

TWENTY-THIRD BIENNIAL REPORT
OF THE
DEPARTMENT OF ROADS
AND IRRIGATION

PART 2

BUREAU OF IRRIGATION
WATER POWER AND
DRAINAGE

TO

HONORABLE R. L. COCHRAN

GOVERNOR OF THE STATE OF NEBRASKA

LINCOLN, NEBRASKA

1939-1940

.

REPORT OF BUREAU OF IRRIGATION
WATER POWER AND DRAINAGE

DIVISION OF IRRIGATION
DIVISION OF STATISTICS

DIVISION OF WATER POWER AND DRAINAGE
DIVISIONS OF HYDROGRAPHY AND SURVEYS

EXECUTIVES AND EMPLOYEES

of the

BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE

A. C. Tilley, State Engineer.....	Lincoln
Robert H. Willis, Chief.....	Bridgeport
M. S. Dodd, Assistant Chief.....	St. Paul
A. W. Hall, Senior Hydrographer.....	Bridgeport
Fred Hervert, Senior Hydrographer.....	Bridgeport
K. S. Essex, Junior Hydrographer.....	Bridgeport
Charles H. Carstens, Junior Hydrographer.....	St. Paul
Alfred L. Chase, Engineer.....	Bridgeport
John Rasmussen, Superintendent Division No. 2.....	Crawford
K. I. Ward, Statistician.....	Lincoln
Marion E. Ball, Engineer.....	Lincoln
Wilma Clay, Clerk-Stenographer.....	Lincoln
Jane Tenk, Clerk-Stenographer.....	Bridgeport
J. E. Pokorny, Draftsman.....	Lincoln
Lucile Ledwith, Stenographer.....	Lincoln
Wilma Nichoalds, Stenographer.....	Bridgeport
Norma Schad, Stenographer.....	Bridgeport
Lorene Johnson, Stenographer.....	St. Paul

WATER COMMISSIONERS

S. B. Hanna.....	Kimball
J. P. Hansen.....	Sidney
Geo. Gerlach.....	Culbertson

ACTING WATER COMMISSIONERS

Frank Ludden	Scottsbluff
A. H. Hamilton.....	Bridgeport
Guy Roberts	Lewellen
Albert McDermott	North Platte

OBSERVERS

Howard C. Dallam, U.S.G.S.....	Crawford
Hugo J. Dryak, U.S.G.S.....	Verdel
Ruben Funk, U.S.G.S.....	Gering
Mary E Hardt, U.S.G.S.....	McGrew

REPORT OF THE STATE ENGINEER

OBSERVERS—Continued

Edwin R. Keyes, U.S.G.S.....	Cambridge
Arlan Luxa, Nebraska.....	Julesburg, Colorado
Lyle A. McDonald, U.S.G.S.....	Benkelman
Hugh L. Meyers, U.S.G.S.....	Red Willow
Wayne Oberg, Nebraska.....	Paxton
J. C. Potts, Nebraska.....	St. Paul
A. W. Schilling, U.S. Weather Bureau.....	North Platte
Carl E. Schobring, Nebraska and U.S.G.S.....	St. Paul
J. H. Schultz, U.S.G.S.....	Morrill
P. C. Smith, U.S.G.S.....	Beaver City
C. W. Tigner, U.S.G.S.....	Culbertson
Frank M. Wright, U.S.G.S.....	Beaver City
W. C. Young, Nebraska.....	Cozad

Bridgeport, Nebraska,
September 30, 1940.

Hon. A. C. Tilley, State Engineer,
Department of Roads and Irrigation,
Lincoln, Nebraska.

Dear Sir:

I have the pleasure of reporting tersely the activities of the Bureau of Irrigation, Water Power, and Drainage, for the biennium ending September 30, 1940.

Water Supply

Observations of the snowfall in the elevated regions of Wyoming, made by the United States Weather Bureau and Forest Service cooperating, were reported for 1939, as of April 30, 69 per cent of normal; and for 1940, 101 per cent of normal.

The inflows of the Pathfinder Reservoir were approximately 658,000 acre-feet and 553,000 acre-feet for the years ending September 30, 1939, and 1940, respectively, or 51 per cent and 43 per cent respectively of the thirty-eight year mean including the year 1940. Maximum quantities of water in storage in the Seminoe, Pathfinder, and Alcova Reservoirs combined were approximately 665,000 acre-feet for 1939, and approximately 342,000 acre-feet for 1940, or a total of 1,007,000 acre-feet for this biennium, which is 34 per cent less than the combined storage of the three reservoirs for the 1937-1938 biennium. Notwithstanding the greater snowfall in 1940, the run-off above the Pathfinder Reservoir was one of the two recorded lows.

The quantities of water passing Guernsey during the months of May to September, 1939, were 994,000 acre-feet; and for 1940, 577,000 acre-feet; or 102 per cent and 59 per cent respectively of the ten-year mean, 1931 to 1940. The five months' flow, May to September, of the North Platte River at the Wyoming-Nebraska State Line for 1939 and 1940, as compared with 1932, generally speaking a satisfactory water supply year, was 65 per cent and 47 per cent respectively. The year 1940 had the lowest flow for the five summer months since 1910 with the exception of 1934.

The mean flow of the North Platte River at Mitchell, Nebraska, during the months of May to September inclusive for the years 1907 to 1930, inclusive, was 893,000 acre-feet; and for the same months of the years 1931 to 1940, inclusive, the ten-year mean flow was

135,200 acre-feet; a mean of 85 per cent less water in the river at Mitchell for each season of the ten years. The flow of the North Platte River at Mitchell for the months of May to September, inclusive, 1940, was 43,600 acre-feet or 68 per cent less than the ten-year mean. For the same period in 1939, the flow was 45 per cent less than the ten-year mean.

The following tabulation shows the flow status of several other streams for 1940:

White River near Crawford.....	78 per cent of mean
Lodgepole Creek near Bushnell.....	76 per cent of mean
Elkhorn River at Waterloo.....	96 per cent of mean
Big Blue River at Barnston.....	60 per cent of mean
Little Blue River near Endicott.....	42 per cent of mean
Republican River at Bloomington.....	64 per cent of mean
Platte River near Ashland.....	58 per cent of mean

The average quantity of water flowing in the North Platte River during the 1939-1940 biennium between the Wyoming-Neb-raska State Line and Sutherland, inclusive, was 711 second-feet as compared with 930 second-feet during the 1937-1938 biennium, which was 24 per cent less.

The average quantity of water flowing in the Platte River during the 1939-1940 biennium between Sutherland and Overton, inclusive, was 1,074 second-feet as compared with 1,288 second-feet during the 1937-1938 biennium, which was 18 per cent less.

The annual flow of the South Platte River for the 1939-1940 biennium was 60 per cent greater than that of the 1937-1938 biennium. The total flow of the South Platte River at Julesburg, Colorado, for the 1939 water year was 437,000 acre-feet; and for the 1940 water year, the total flow was 61,790 acre-feet. The Western Irigation District receives its water at a point about seven miles below the Julesburg gaging station. This project diverted 27,720 acre-feet from the South Platte River during the 1939 water year, and 24,230 acre-feet during the 1940 water year. In addition to the diversions of river water, a number of pumps are diverting underground water for use on lands within this project.

Reservoirs

The Oliver Reservoir is an on-channel reservoir on Lodgepole Creek and impounds the available supply which is measured into the reservoir at a station located immediately above the backwater at the maximum reservoir capacity. During the 1939 water year 3,765 acre-feet were impounded. This quantity together with a carry-over of 1,970 acre-feet from the 1938 water year made a total of

5,735 acre-feet. For the 1940 water year 4,370 acre-feet were impounded. This quantity together with a carry-over of 720 acre-feet from the 1939 water year made a total of 5,090 acre-feet in storage.

The Whitney Reservoir is an off-channel reservoir which receives water from the White River through a wooden-stave pipe line about six miles in length. This reservoir impounded during the 1939 water year 4,020 acre-feet. This amount plus 4,470 acre-feet carry-over from the 1938 water year gave the project a total of 8,490 acre-feet in storage. For the 1940 water year 6,810 acre-feet were impounded. This quantity together with 500 acre-feet carry over from the 1939 water year gave the project a total of 7,310 acre-feet in storage for the 1940 water year.

The Sutherland Reservoir, an off-channel reservoir, receives its water from the North Platte River through a supply canal approximately 35 miles in length. The carry-over of storage water from the 1938 water year was 17,657 acre-feet. This quantity plus 70,755 acre-feet impounded during the 1939 water year made a total of 88,412 acre-feet of available storage for the 1939 water year. The quantity of water diverted from the North Platte River during the 1939 water year was 257,123 acre-feet. The quantity returned to the river through the penstocks during the same year was 98,860 acre-feet. There were remaining in the reservoir at the end of the 1939 water year 13,597 acre-feet, to be carried over to the 1940 water year. Therefore, 162,320 acre-feet were lost or unaccounted for during the 1939 water year. The carry-over from the 1939 water year was 13,597 acre-feet. This quantity together with the amount impounded during the 1940 water year totaled 94,752 acre-feet. The quantity diverted from the North Platte River during the 1940 water year was 316,060 acre-feet. The quantity returned through the penstocks to the river was 147,899 acre-feet. Consequently 165,786 acre-feet were lost or unaccounted for during the 1940 water year.

Crescent Lake is a natural sand hill reservoir situated about 35 miles north and west of Oshkosh, Nebraska. During the 1939 water year the water surface of this lake raised one foot which was a maximum sea level elevation of 3777.9 feet in July and receded to an elevation of 3775.4 feet on September 5, 1940. The elevation of high-water mark in 1929 was 3786.9 feet and the water surface elevation on November 5, 1930, was 3784.2 feet. No water was withdrawn for irrigation during the biennium.

Administration

The administration of the available water supply in the Platte River Basin during the 1939-1940 biennium was very chaotic, part-

icularly during the months of July, August, and September, 1940, due primarily to temporary injunctions and restraining orders granted by the courts.

No serious administrative difficulties were encountered in the 1-B, 1-E, 2-D, and 2-C basins. The 2-A basin administration ceased to function in 1940 due to an impending suit brought by the Loup River Public Power District against the Middle Loup Public Power and Irrigation District, the North Loup River Public Power and Irrigation District, and the Department of Roads and Irrigation, seeking to prevent the diversion of water by appropriators having irrigation rights subsequent to the power rights of the Loup River Public Power District when there is insufficient water for the power appropriator located below irrigation users.

Plaintiffs in the 1940 temporary injunction proceedings contend that the Department is duty bound to deny pump irrigators in the order of priority from diverting water from streams and drains; also the drain waters intercepted by the Farmers Irrigation District should be returned to the river. The Department concurs in this theory, however, it is a question of making a practical application of this theory. More funds for additional water commissioners will be required, after which it is necessary to have the orders of the Department enforced.

Hydrography

Section 81-6308, Compiled Statutes of Nebraska, 1929, is a re-enactment of the original Irrigation Code of April 4, 1895, which provides that the Department shall measure or cause to be measured the quantity of water flowing in the several streams of the state and make a record thereof etc.

Frequent measurements of the public water flowing in the streams together with the canal diversions furnish a record which is used as a basis for determining the trend and limit of development.

"Every drop of water entering a ditch, every drop escaping at the end of a canal is a matter of public concern." Mead's Irrigation Institution

A person who measures the flow of water in a stream or in a canal is a hydrographer. During the period from October 1, 1938, to April 15, 1940, the state employed two full time hydrographers; and from April 15, 1940, to September 30, 1940, the state employed three full time hydrographers. The office engineer made a few measurements during the biennium.

There are 62 cooperative stream gaging stations from which

daily discharge records are obtained. Of this number, 34 are furnished, maintained, and equipped with 36 automatic recorders by the United States Geological Survey; 9 stations by Nebraska equipped with 10 recorders; 3 stations by the United States Bureau of Reclamation equipped with 3 recorders; 1 station by the United States Weather Bureau equipped with 1 recorder; and 1 station by the State of Colorado equipped with 3 recorders located at Julesburg, Colorado. Fourteen stations are equipped with staff or chain gages.

During September, 1940, the State of Nebraska installed five shelters and stilling wells, supplying all material and labor, in the Republican River Basin, viz:—Medicine, Red Willow, Stinking Water, Rock, and Buffalo Creeks. The United States Bureau of Reclamation furnished Stevens Type A-35 automatic recorders for all of the five stations. However, only one of the stations was operating prior to September 30, 1940.

Under the provisions of the cooperative agreement with the United State Geological Survey, Nebraska expended during the 1939 water year \$14,625.81; and for the 1940 water year, \$11,293.48. However, Nebraska expended additional funds on stream measurements other than cooperative stream stations together with canal measurements.

Water Commissioners

Four acting water commissioners were on duty every day including Sundays and holidays in the Platte River Basin from May 1 to September 30 of each year of the biennium. The distribution of the water flowing in Lodgepole Creek in Kimball County was administered by one water commissioner, and in Deuel and Cheyenne Counties by one water commissioner during both seasons of the biennium. One water commissioner supervised the distribution of the waters flowing in the Republican-Frenchman River Basin during the biennium. The water superintendent of Water Division No. 2 divided the waters flowing during the biennium in White River, Hat Creek and tributaries, and Niobrara River among the many appropriators. The waters of the Loup River Basin were administered from April 15, to September 30, 1940, by the Assistant Chief of the Bureau of Irrigation.

Pump Irrigation

The number of underground water diversions by use of pumps in all parts of the State of Nebraska has increased over the 1937-1938 period. To what extent this development has progressed is not known at this time. However, it appears to be quite considerable. There is some sentiment in favor of having the 1941 Legislature

adopt an underground water irrigation code. A number of applications has been received by the Department for recording, however, the applicant is informed that no action will be taken by the Department until there are laws on the Statutes directing the Department as to how these applications are to be handled.

It is quite possible, in the course of a short period of time, that pumping underground waters will become quite general and in part supersede some of the gravity irrigation. There is flexibility and convenience in a pumping system that gravity irrigation does not have, especially with the use of an electric motor for power. The potential possibilities of increasing the irrigated areas with the use of water from underground sources in the state are greater than one might believe.

Public Power and Irrigation Districts

The Loup River Public Power District operated during the entire biennium. This project diverted from the Loup River into its supply canal for the 1939 water year 467,400 acre-feet, or a mean flow of 645 second-feet; for the 1940 water year, they diverted 760,350 acre-feet, or a mean flow of 1,047 second-feet.

The Platte Valley Public Power and Irrigation District diverted from the North Platte River during the 1939 water year a mean flow of 355 second-feet, and for the 1940 water year a mean flow of 435 second-feet.

The Central Nebraska Public Power and Irrigation District diverted during the 1939 water year a mean flow of 192 second-feet into the Phelps County Canal from the Platte River for 109 days, making a total of 41,550 acre-feet for use on 57,500 acres of land. For the 1940 water year they diverted a mean flow of 379 second-feet for 52 days, making a total of 39,100 acre-feet for use on 96,959 acres of land.

Precipitation

The precipitation of several stations within the irrigated area, covering a period comparable with stream records, namely: October 1, to September 30, of each year, is published elsewhere in this biennial.

Riparian Rights

The Department encountered, in its effort to administer appropriated water, some opposition from claimants of riparian water. Obviously it is not possible to distinguish riparian water from appropriated water flowing in the stream. It is one of the statutory duties of the Department to administer appropriated water, but following the opinion of the Attorney General, the Department does not attempt jurisdiction over riparian water. Such a situation, however, is obviously bewildering to an administrator of water flowing in the

streams. The moment that the water commissioner attempts to close a junior appropriator's ditch, the owner of the ditch will inform the commissioner to keep hands off because he is diverting riparian water and not appropriated water. A situation of this type can be carried far enough that no appropriated water is flowing in the streams. During the present biennium as much as 30 second-feet were diverted by one canal under the guise of riparian rights.

The following is a quotation from State Engineer C. B. Channel's report, published in the 1899-1900 Biennial Report:—

"In Great Britain, where the common law of riparian rights had its origin, atmosphere is laden with moisture, which is precipitated with lavish profusion. The law gave to the riparian proprietor, as incident to his ownership of the soil adjoining the water, the right to the natural flow of the stream without material alterations or diminutions. He might use the water for any purpose provided that he restored it to its natural course so that his riparian neighbor below might receive it unimpaired in quality and undiminished in quantity. The great problem there to be solved was how best to draw the water off the land, not to save it and conduct it upon the land for irrigation purposes.

"In a country where the flow of streams must be diminished in order that people may build homes, the old common doctrine of riparian rights universally recognized in states having a humid climate, has no place where the rainfall alone is not sufficient to produce crops. To insist that streams shall flow 'undiminished in quantity' is to condemn vast areas to perpetual barrenness.

"That the riparian proprietors should have the right to the use of water of a stream for household or domestic use, including water for stock, should not be denied.

"This law involves no hardship where the use of water is limited to domestic, power, and navigation purposes, but has been justly denounced as an infamous law in an arid region.

"It can be readily understood that if the common law rule relative to the rights of riparian owners obtains in this State in its unmodified form, there can be no lawful diversions of water for irrigation purposes. To divert water from a stream and use it for irrigation purposes without materially diminishing the flow of the stream is impossible."

State Supreme Court held in the case of Crawford Company vs. Hathaway, 67 N 325:—

"Use of water for domestic purposes permitted to riparian owner by common law, and does not contemplate diversion of large quantities of water in canals or pipe lines."

Citation from case of Meng vs. Coffee, 67 N 500:—

“Reasonable use of water is largely question of fact, depending upon circumstances, but entire diversion, waste or needless diminution, is clearly unreasonable.”

Litigation

Hearings were held before the Honorable Michael J. Doherty, Master in Chancery, appointed by the United States Supreme Court to receive testimony in the Nebraska-Wyoming-Colorado suit. During the 1939-1940 biennium eight sessions, comprising ninety-nine days, were held, of which twenty-three days were in Lincoln; three days in Scottsbluff, Nebraska; ten days in Torrington, Wyoming; three days in Casper, Wyoming; eight days in Rawlins, Wyoming; eighteen days in Cheyenne, Wyoming; and thirty-four days in Denver, Colorado. It is expected that the taking of testimony and rebuttal will be completed in 1941.

The suit of the United States of America vs. A. C. Tilley, State Engineer, and the Farmers Irrigation District, initiated November 20, 1937, was carried to the United States Circuit Court by the United States of America, appellant.

The mandamus suit, State Ex Rel Cary vs. Cochran, was dismissed by District Judge Landis and affirmed by the Nebraska Supreme Court in May, 1940. The findings of the court are published elsewhere in this report.

The Department is a defendant in nine temporary injunction suits which will probably be tried in three District Courts the latter part of 1940 or early part of 1941. There were also six temporary restraining orders obtained by four irrigation projects preventing the Department from regulating their diversions of water.

Township Maps

Pursuant to arrangements made during the spring of 1938 with the Nebraska State Planning Board, township maps are being made from plane table and aerial surveys. As of September 30, 1940, 145 quarter-township maps have been practically completed on a scale of 1500 feet to the inch. The need for accurate maps has been very pressing for a long time and funds should be made available for the completion of this work.

Certificates

Section 81-6312, Compiled Statutes of Nebraska, 1929, providing for certificates of perfected appropriations is obsolete since the opinion of F. N. Prout, Attorney General, dated October 19, 1904.

The Department cannot issue certificates for appropriations acquired prior to April 4, 1895, if not issued within thirty days after the determination of such rights, except in cases where requests are made therefor.

Section 81-6320, Compiled Statutes of Nebraska, 1929, provides for the issuance of certificates for perfected appropriations of water acquired subsequent to April 4, 1895. This law has not proved practical in its application. Many certificates in existence are now valueless because rights were canceled for failure to use the water. The daily records of the use of the appropriation are the best evidence of its validity.

State Engineer Simmons recommended the repeal of these two sections of the law in the 1909-1910 Biennial.

Dams

Section 81-6327, Compiled Statutes of Nebraska, 1929, provides for the examination of plans and specifications of dams by the Department of Roads and Irrigation before beginning construction. Examination of plans and specifications entails considerable work which should be reduced by exempting dams with less than twenty-five acre-feet capacity and a depth of water not exceeding ten feet.

Statistical Summary

The following is a summary of the statistical record for the biennium ending September 30, 1940:

Applications for water appropriations.....	393
Permits issued	312
Appropriations canceled	38
Applications dismissed	4
Total applications pending.....	130
Certificates of perfected appropriations issued by request..	73
Hearings held	24
Relocation permits	11
Optional diversion permits.....	3
Water power lease.....	1
Deeds recorded	29
Districts organized under Senate File 310, Laws of Nebraska 1933, as amended 1935-1937:	
Public power and irrigation district.....	1
Public irrigation district.....	1
Public rural electrification districts.....	5
Public power and irrigation district (underground water)	1
Field investigations	220
Maps and plans filed.....	332

REPORT OF THE STATE ENGINEER

Stream and canal gagings made by Nebraska.....	8062
Stream and canal gagings made by United States Geological Survey	3989
Gaging stations with automatic recorders.....	48
Gaging stations with observers.....	14
Fees collected covering:	
Applications, plans, water power fees, deeds and petitions	\$21,066.32
Copying records	624.52
	<hr/>
Total fees	\$21,690.84

Recommendations

Five hydrographers should be in the service of the Bureau of Irrigation to meet the statutory provisions of Section 81-6308, Compiled Statutes of Nebraska, 1929, to be assigned as follows: Two to the Platte River Basin; one to the Loup and Blue River Basins; one to the Republican River Basin; and one to the Niobrara and White Rivers and Lodgepole and Pumpkinseed Creeks. One additional acting water commissioner is needed to supplement the services of the present four acting water commissioners to locate and to close pump diversions from streams in the order of priority under instructions from the Department.

Section 81-6312 and 81-6320, Compiled Statutes of Nebraska, 1929, should be repealed. The former section is obsolete and the latter is not practical.

Section 81-6327, Compiled Statutes of Nebraska, 1929, should be amended to exclude dams having a water depth behind them of less than ten feet and a storage capacity of not more than twenty-five acre-feet.

Providing funds are available, preparation of township maps made from aerial surveys covering at least that part of the state in which irrigation is practiced should be continued.

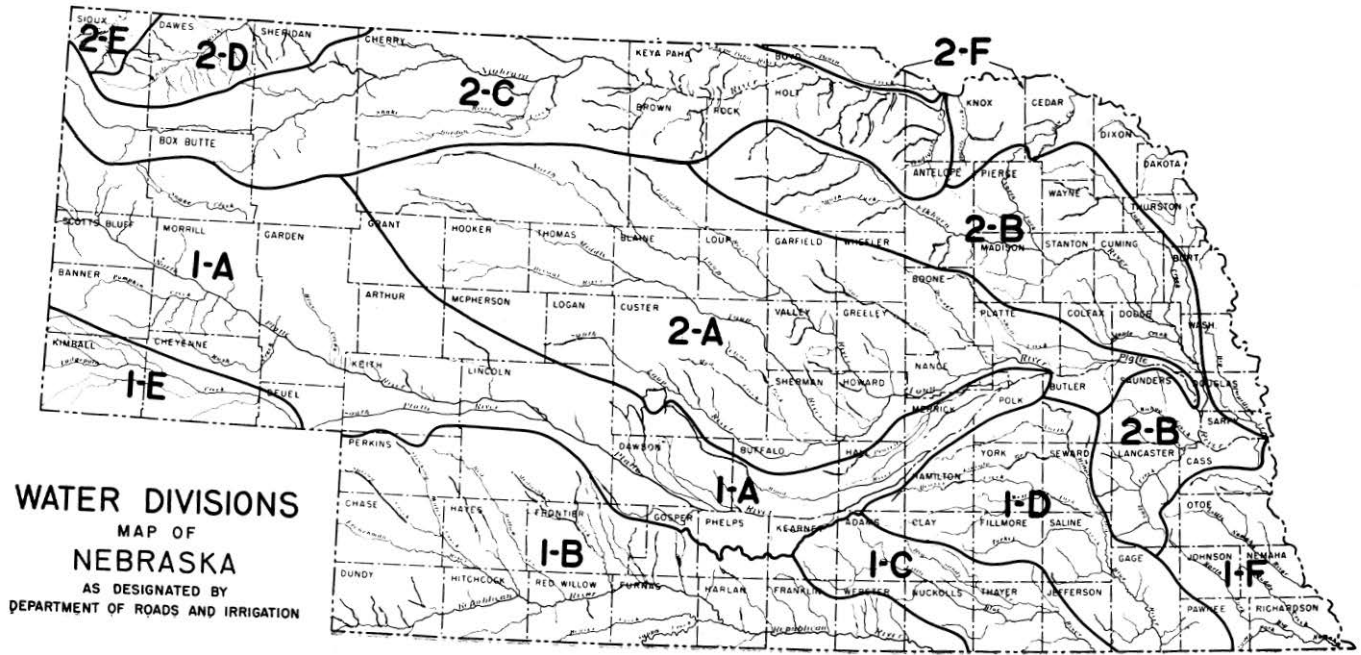
Respectfully submitted,

R. H. WILLIS, Chief,

Bureau of Irrigation,

Water Power, and Drainage.

DIVISION OF STATISTICS



WATER DIVISIONS
MAP OF
NEBRASKA
AS DESIGNATED BY
DEPARTMENT OF ROADS AND IRRIGATION

WATER DIVISIONS AND WATER DISTRICTS

WATER DIVISIONS. The State of Nebraska is hereby divided into two water divisions denominated Water Division No. 1 and Water Division No. 2, respectively. (C.S. 1922, 8415; C.S. 1929, 46-510.)

BOUNDARIES OF DIVISION NO. 1 Water Division No. 1 shall consist of all the lands in the state drained by the Platte Rivers and their tributaries lying west of the mouth of the Loup River; and also all other lands lying south of the Platte and South Platte Rivers that may be watered from other superficial subterranean streams not tributary to the Platte River. (C.S. 1922, 8416; C.S. 1929, 46-511.)

BOUNDARIES OF DIVISION NO. 2. Water Division No. 2 shall consist of all lands that may be watered from the Loup, White, Niobrara and Elkhorn Rivers and their tributaries, and other lands of the State not included in any other water division (C.S. 1922, 8417; C.S. 1929, 46-512.)

For convenience in the adjudication of claims and in the distribution of water, these divisions have been subdivided into twelve water divisions, denominated 1-A, 1-B, 1-C, 1-D, 1-E, 1-F, 2-A, 2-B, 2-C, 2-D, 2-E, and 2-F, as shown on the opposite page.

CLAIMS AND APPLICATIONS

The tables on the following pages give a complete list of all claims and applications of record in the Bureau of Irrigation, Water Power and Drainage of the Department of Roads and Irrigation, which have not been canceled. This list also includes applications which have been filed and not approved. Following this table are the applications and claims which have been canceled, or dismissed during the past two years.

The claims and applications have been arranged in each water division by stream in alphabetical order, and the appropriations on each stream are arranged in order of priority.

Appropriations having docket numbers refer to claims covering rights acquired under the law prior to April 4, 1895, and those having application numbers are permits to appropriate water granted under the law of 1895.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Ash Creek.....	Noetzelman Mrs. Anna	Lewellen.....	Gillard Canal.....	Irrig.	1.43	3	16	42	Garden.....	Dec.	31	1890	812	.....
Barrow Pit.....	Taylor A. O.....	Minatare.....	Barrow Pit Canal.....	Irrig.	.29	19	21	52	Scotts Bluff.	Apr.	23	1904	.....	751
Birdwood Cr.....	Birdwood Irrig. Dist..	North Platte	Birdwood Canal.....	Irrig.	100.00	35	15	33	Lincoln.....	Oct.	21	1893	646	.....
Birdwood Cr.....	Northouse, Mrs.Ed, et al	North Platte	West Birdwood Canal	Irrig.	8.57	22	15	33	Lincoln.....	Jan.	16	1894	652	.....
Birdwood Cr.....	Saxton, Bert.....	Sutherland...	Beaucamp Canal.....	Irrig.	3.00	15	15	33	Lincoln.....	Sept.	19	1894	677	.....
Blue Creek.....	Union Irrig. and Water Power Co.	Lewellen.....	Union Canal.....	Irrig.	23.44	18	16	42	Garden.....	May	16	1890	763	.....
Blue Creek.....	Union Irrig. and Water Power Co.	Lewellen.....	Graf Canal.....	Irrig.	1.20	19	16	42	Garden.....	May	16	1890	763R	.....
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen.....	Union Canal.....	Supple.	D-763	18	16	42	Garden.....	Jan.	30	1920	.....	1575
Blue Creek.....	Hooper Irrig. Dist.....	Lewellen.....	Graf Canal.....	Supple.	D-763R	19	16	42	Garden.....	Jan.	30	1920	.....	1575
Blue Creek.....	Hooper Irrig. Dist.....	Lewellen.....	Hooper Canal.....	Irrig.	12.25	6	16	42	Garden.....	Sept.	7	1893	781	.....
Blue Creek.....	Hooper Irrig. Dist.....	Lewellen.....	Graf Canal.....	Irrig.	.21	19	16	42	Garden.....	Sept.	7	1893	781R	.....
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen.....	Hooper Canal.....	Supple.	D-781	6	16	42	Garden.....	Jan.	30	1920	.....	1575
Blue Creek.....	Graf Canal.....	Lewellen.....	Graf Canal.....	Supple.	D-781R	19	16	42	Garden.....	Jan.	30	1920	.....	1575
Blue Creek.....	Blue Creek Irrig. Dist.	Lewellen.....	Blue Creek Canal.....	Irrig.	185.71	33	17	42	Garden.....	Dec.	27	1893	785	.....
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen.....	Blue Creek Canal.....	Supple.	D-785	33	17	42	Garden.....	Jan.	30	1920	.....	1575
Blue Creek.....	Meeker Ditch Co.....	Lewellen.....	Graf Canal.....	Irrig.	31.43	19	16	42	Garden.....	Apr.	2	1894	788	.....
Blue Creek.....	Meeker Ditch Co.....	Lewellen.....	Hooper Canal.....	Irrig.	.27	6	16	42	Garden.....	Apr.	2	1894	788R	.....
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen.....	Graf Canal.....	Supple.	D-788	19	16	42	Garden.....	Jan.	30	1920	.....	1575
Blue Creek.....	Hooper Canal.....	Lewellen.....	Hooper Canal.....	Supple.	D-788R	6	16	42	Garden.....	Jan.	30	1920	.....	1575
Blue Creek.....	Blue Creek Irrig. Dist.	Lewellen.....	Blue Creek Canal.....	Irrig.	3.79	21	17	42	Garden.....	Sept.	27	1894	795	.....
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen.....	Blue Creek Canal.....	Supple.	D-795	21	17	42	Garden.....	Jan.	30	1920	.....	1575
Blue Creek.....	Paisley Irrig Dist.....	Oshkosh.....	Paisley Canal.....	Irrig.	21.00	28	17	42	Garden.....	Nov.	20	1894	800	.....
(No. Platte R.)	Robinson, A. A.....	Gering.....	Midland-Overland Canal	O. D.	D-800	4	16	44	Garden.....	Nov.	20	1894	.....	1742

(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen	Paisley Canal	Supple.	D-800	28	17	42	Garden	Jan.	30	1920	1575
Blue Creek	Paisley Irrig. Dist.	Oshkosh	Paisley Canal	Irrig.	4.00	33	17	42	Garden	July	14	1899	515
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen	Paisley Canal	Supple.	A-515	33	17	42	Garden	Jan.	30	1920	1575
Blue Creek	Eggers, J. E.	Lewellen	Blue Creek Canal	Irrig.	.42	33	17	42	Garden	Jan.	4	1912	1154
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen	Blue Creek Canal	Supple.	A-1154	33	17	42	Garden	Jan.	30	1920	1575
Blue Creek	Paisley Irrig. Dist.	Oshkosh	Paisley Canal	Irrig.	3.30	28	17	42	Garden	Feb.	25	1924	1738
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen	Paisley Canal	Supple.	A-1738	28	17	42	Garden	Jan.	30	1920	1575
Blue Creek	Blue Creek Public Power & Irrig. Dist.	Lewellen	Blue Creek Reservoir	Irrig.		28	17	42	Garden	Aug.	24	1933	2345*
						33	17	42					
Broncho Lake	Miller, True	Alliance	Broncho Lake	Irrig.	1.16	6	24	48	Box Butte	May	7	1926	1806
Browns Creek	Haxby, George H.	Bridgeport	Haxberry Canal	Irrig.	.43	19	20	48	Morrill	July	17	1903	717
Buckhorn Springs	Maddox, Nellie L.	Keystone	Maddox Canal	Irrig.	2.28	8	14	36	Keith	Oct.	3	1908	918
Buffalo Creek (See A-2181)	Kopf, Walter W.	Buffalo	Kopf Pump	Irrig.	.57	21	12	22	Dawson	Mar.	3	1926	1799
Buffalo Creek	Broe, John L. and Thos. F.	Elm Creek	Streiff Pump	Irrig.	1.81	35	9	19	Dawson	Sept.	15	1926	1859
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Elm Creek Canal (Streiff Pump)	Supple.	A-1859	6	8	19	Dawson	Mar.	31	1937	2726
Buffalo Creek	Stryker, Abram I., Estate	Overton	Stryker Pump	Irrig.	1.62	18	9	19	Dawson	July	19	1927	1944
Buffalo Creek	Philpot, W. J.	Overton	Philpot Pump	Irrig.	3.33	28	9	19	Dawson	July	26	1927	1946
Buffalo Creek	Bowden, C. A.	Overton	Bowden Pump	Irrig.	1.65	12	9	20	Dawson	Oct.	10	1927	1959
Buffalo Creek	Lloyd, Bell F.	Elm Creek	Lloyd Pump	Irrig.	2.16	36	9	19	Dawson	Feb.	29	1928	1985
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Elm Creek Canal (Lloyd Pump)	Supple.	A-1985	6	8	19	Dawson	Mar.	31	1937	2726
Buffalo Creek	Potts, Mrs. Chas. S.	Elm Creek	Potts Pump	Irrig.	4.43	4	8	18	Buffalo	Mar.	5	1928	1988

"R" Denotes relocation.
 "O. D." Denotes optional diversion.
 *Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Elm Creek Canal (Potts Pump)	Supple.	A-1988	6	8	19	Dawson	Mar.	31	1937	.....	2726
Buffalo Creek	Fitzgerald, Elva J.	Elm Creek	Jones Pump	Irrig.	.94	5	8	18	Buffalo	Apr.	30	1928	.....	2012
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal (Jones Pump)	Supple.	A-2012	6	8	19	Dawson	Mar.	31	1937	.....	2726
Buffalo Creek	Wilson, Harry W.	Overton	Wilson Canal	Irrig.	2.29	18	9	19	Dawson	Nov.	12	1928	.....	2052
Buffalo Creek (See Mud Cr.)	Ulrich, Maria A.	Elm Creek	Ulrich Pump	Irrig.	.52	1	8	19	Dawson	Feb.	4	1929	.....	2068
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Elm Creek Canal (Ulrich Pump)	Supple.	A-2068	6	8	19	Dawson	Mar.	31	1937	.....	2726
Buffalo Creek	Gilmore, Eliza A.	Murray	Gilmore Pump	Irrig.	1.03	21	9	19	Dawson	Mar.	5	1929	.....	2074
Buffalo Creek	First Trust Co.	Lincoln	Armstrong Canal	Irrig.	.23	33	9	18	Buffalo	June	19	1929	.....	2087
Buffalo Creek	Phillips, Reber D.	Omaha	Phillips Pump	Irrig.	4.57	12	9	20	Dawson	July	13	1929	.....	2089
Buffalo Creek	Jensen, Peter E.	Cozad	Jensen Pump	Irrig.	†189AF	21	12	22	Dawson	July	17	1929	.....	2090
Buffalo Creek (Kopf Res.)	Kopf, Walter W.	Buffalo	Kopf Reservoir	Irrig.	1.00	21	11	22	Dawson	Dec.	23	1930	.....	2180
Buffalo Creek (Kopf Res.)	Kopf, Walter W.	Buffalo	Kopf Pump	Irrig.		21	12	22	Dawson	Dec.	23	1930	.....	2181
Buffalo Creek	Kopf, Walter W.	Buffalo	Kopf Pump	Supple.	A-1799	21	12	22	Dawson	Dec.	23	1930	.....	2181
Buffalo Creek	Mitchell, Geo. E.	Elm Creek	Mitchell Pump	Irrig.		36	9	19	Dawson	Mar.	31	1932	.....	2265*
Buffalo Creek	Callender, Gladys	Lincoln	Callender Pump	Irrig.		18	9	19	Dawson	June	20	1940	.....	3185*
Bull Drain	Norris, David, Estate	Maxwell	Norris Canal	Irrig.	.93	29	13	28	Lincoln	Feb.	18	1932	.....	2253
Camp Creek	Wehn, J. H.	Lincoln	Camp Creek Canal	Irrig.	1.43	13	18	49	Morrill	Mar.	16	1892	866	.....
Carter Creek	Gardner, Wm. E., Estate	Gering	Carter Canal	Irrig.	3.38	27	21	56	Scotts Bluff	Oct.	13	1922	.....	1691
Cedar Creek	Radcliffe, Mack	Sidney	Nelson-Radcliffe Canal	Irrig.	2.77	28	18	48	Morrill	June	1	1882	1034a	.....
Cedar Creek	Radcliffe, Mack	Sidney	Radcliffe Canal No. 2	Irrig.	1.23	34	18	48	Morrill	July	1	1885	1034b	.....

Cedar Creek.....	Rush Creek Land and Live Stock Company	Lisco.....	Radcliffe Canal No. 3	Irrig.	.76	27	18	48	Morrill.....	Feb	14	1890	1034c	.....
Clear Creek.....	Hooper, Mrs. D. C.	Chappell.....	Clear Creek Canal.....	Irrig.	2.86	32	16	41	Keith.....	July	1	1888	748	.....
Clear Creek.....	Clear Creek Irrig Co.	Lewellen.....	Barber Canal.....	Irrig.	14.57	29	16	41	Keith.....	May	30	1893	754	.....
Clear Creek.....	Clark, Wesley, and Bairn John	Lewellen.....	Williams Canal.....	Irrig.	1.00	28	16	41	Keith.....	May	18	1894	747	.....
Clear Creek.....	Barber, Frank H.	Lincoln.....	Finch Canal.....	Irrig.	1.43	4	15	41	Keith.....	June	30	1895	964	.....
Clear Creek.....	Clear Creek Irrig. Co.	Lewellen.....	Barber Canal.....	Irrig.	1.14	29	16	41	Keith.....	July	5	1911	.....	1111
Clear Creek.....	Scripter, Henrietta	Lewellen.....	Scripter Canal.....	Irrig.	2.49	32	16	41	Keith.....	Oct.	6	1932	.....	2288
Clear Creek.....	Harper, R. F. and Barber, F. H.	Belmar Lincoln	Harper Canal.....	Irrig.	2.97	32	16	41	Keith.....	Apr.	15	1933	.....	2316
Coed Creek.....	Slafter, Elmer S.	Scottsbluff.	Slafter Canal.....	Irrig.	1.66	17	22	55	Scotts Bluff.	July	25	1938	.....	2879
Cold Water Cr...	Lisco Irrig. Dist.....	Lisco.....	Cold Water Canal.....	Irrig.	4.29	26	18	46	Garden.....	Sept.	29	1894	796	.....
Cold Water Cr...	Cold Water Res. Dist.	Lisco.....	Cold Water Res.....	Irrig.		27	18	46	Garden.....	July	20	1936	.....	2591*
Coon Creek.....	Winterer, Wm. H. Estate	Keystone.....	Coon Creek Canal.....	Irrig.	.71	34	15	37	Keith.....	July	3	1895	.....	69
Coon Creek.....	Winterer, Wm. H. Estate	Keystone.....	Coon Creek Canal.....	Irrig.	1.42	34	15	37	Keith.....	Sept.	16	1912	.....	1225
Crescent Lake, et al	Lake Water Carrying Company	Lewellen.....	Crescent Lake Res.....	Irrig.	†7000AF	21	20	44	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Union Canal.....	Supple.	D-763	18	16	42	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Graf Canal.....	Supple.	D-763R	19	16	42	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Hooper Canal.....	Supple.	D-781	6	16	42	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Graf Canal.....	Supple.	D-781R	19	16	42	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Blue Creek Canal.....	Supple.	D-785	33	17	42	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Graf Canal.....	Supple.	D-788	19	16	42	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Hooper Canal.....	Supple.	D-788R	6	16	42	Garden.....	Jan.	30	1920	.....	1575

†Represents reservoir capacity alleged by applicant.

*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						Sec.-ft.	S	T	R	County	Mo.			D	Yr.
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Blue Creek Canal.....	Supple.	D-795	21	17	42	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Paisley Canal.....	Supple.	D-800	28	17	42	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Paisley Canal.....	Supple.	A-515	33	17	42	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Blue Creek Canal.....	Supple.	A-1154	33	17	42	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Company	Lewellen.....	Paisley Canal.....	Supple.	A-1738	28	17	42	Garden.....	Jan.	30	1920	.....	1575
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen.....	Crescent Lake Project	Irrig.	2.06	21	20	44	Garden.....	Feb.	28	1934	.....	2365
Deep Holes Cr.....	Finn, J. L.....	Broadwater..	Finn Canal.....	Irrig.	.50	28	18	49	Morrill.....	July	1	1890	836	.....
Deep Holes Cr.....	Hanway, F. P.....	Broadwater..	Emma Canal.....	Irrig.	1.40	3	18	49	Morrill.....	Mar.	17	1924	.....	1740
Dry Ravine.....	Harvey, Henry M.....	Gothenburg..	Harvey Reservoir.....	Irrig.	‡35AF	28	9	17	Buffalo.....	Sept.	28	1937	.....	2791
Dugout Creek, Lower	Hecht, Tilford M.....	Broadwater..	Cooper Canal.....	Irrig.	.86	4	19	48	Morrill.....	Aug.	15	1892	872	.....
Dugout Creek, Lower	Mulloy, Francis C.....	Broadwater..	Mulloy Canal.....	Irrig.	1.00	27	20	48	Morrill.....	July	18	1907	.....	865
Dugout Creek, Lower	Hecht, Tilford M.....	Broadwater..	Hagerty Canal.....	Irrig.	1.00	4	19	48	Morrill.....	Oct.	26	1912	.....	1238
Dugout Creek, Lower	Hecht, Tilford M.....	Broadwater..	Klondyke Reservoir.....	Supple A-1238	‡3.35AF	4	19	48	Morrill.....	July	11	1919	.....	1547
Elm Creek.....	Scott, Natonia.....	Elm Creek....	Scott Pump.....	Irrig.	1.14	29	9	18	Buffalo.....	Jan.	28	1929	.....	2066
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Elm Creek Canal (Scott Pump)	Supple.	A-2066	6	8	19	Dawson.....	Mar.	31	1937	.....	2726
Fawcus Springs	Oliver, John E.....	Bridgeport...	Oliver Canal.....	Irrig.	2.71	24	20	52	Morrill.....	Apr.	17	1933	.....	2317

Gebauer Lake...	Gebauer, Paul G.....	Northport.....	Gebauer Canal.....	Irrig.	.80	28	20	50	Morrill.....	Apr.	25	1930	.....	2138
Glenn Springs...	Glenn, L. R.....	Henry.....	Glenn Canal.....	Irrig.	.16	3	23	58	Scotts Bluff	May	29	1933	.....	2324
Golden Creek.....	Thies, M. J.....	Ogallala.....	Thies Canal.....	Irrig.	2.71	25	15	39	Keith.....	Sept.	17	1895	.....	160
Gravel (Sand) Creek	Maddox, Nellie L.....	Keystone.....	Sand Creek Canal.....	Irrig.	15.71	9	14	36	Keith.....	Jan.	3	1910	.....	974
Greenwood Cr.	Keenan, Mary K.....	Dalton.....	Trinnier Canal.....	Irrig.	6.29	28	18	50	Morrill.....	Apr.	6	1891	849	.....
Greenwood Cr.	Keenan, Mary K.....	Dalton.....	Nelson Canal.....	Irrig.	3.00	33	18	50	Morrill.....	Apr.	1	1892	845	.....
Greenwood Cr.	Shannon, Ray.....	Bridgeport.....	Capron Canal.....	Irrig.	2.00	15	18	50	Morrill.....	Jan.	1	1893	890	.....
Greenwood Cr.	Meglemre, C. E.....	Bridgeport.....	Meglemre Canal.....	Irrig.	.57	3	18	50	Morrill.....	May	6	1896	.....	294
Greenwood Cr.	Meglemre, C. E.....	Bridgeport.....	Meglemre Canal.....	Irrig.	1.14	3	18	50	Morrill.....	Mar.	11	1907	.....	853
Greenwood Cr.	Keenan, Mary K.....	Dalton.....	Trinnier Canal.....	Irrig.	1.65	28	18	50	Morrill.....	Aug.	18	1919	.....	1551
Ground Water...	Jones, Vera Springer	Mitchell.....	Springer Well.....	Irrig.		1	22	56	Scotts Bluff	July	24	1939	.....	2939*
Ground Water...	Remender, Dora.....	Morrill.....	Remender Well.....	Irrig.		27	24	57	Sioux.....	Sept.	25	1939	.....	2974*
Ground Water...	Cooke, O. F.....	Morrill.....	Cooke Well.....	Irrig.		4	23	57	Scotts Bluff	Jan.	6	1940	.....	3070*
Ground Water...	Schultz, Lester G.....	Morrill.....	Schultz Well.....	Irrig.		3	23	57	Scotts Bluff	Jan.	11	1940	.....	3075*
Ground Water...	Nicholas, Arthur C.....	Central City	Nicholas Well.....	Irrig.		30	13	6	Merrick.....	Jan.	22	1940	.....	3083*
Ground Water...	McCoy, Joe.....	Morrill.....	McCoy Well.....	Irrig.		3	23	57	Scotts Bluff	May	31	1940	.....	3168*
Ground Water...	Kunz, James G.....	Wood River.	Kunz Wells.....	Irrig.		8	12	10	Hall.....	June	4	1940	.....	3174*
						9	12	10						
						17	12	10						
Ground Water...	Kunz, James G.....	Wood River.	Kunz Well.....	Irrig.		7	11	9	Hall.....	June	4	1940	.....	3175*
Ground Water...	Kunz, James G.....	Wood River.	Kunz Well.....	Irrig.		16	10	12	Hall.....	June	4	1940	.....	3176*
Ground Water...	Schmidt, John.....	Paxton.....	Schmidt Well.....	Irrig.		23	14	36	Keith.....	June	11	1940	.....	3178*
Ground Water...	Good, Mrs. Elvira J.	Lincoln.....	Good Wells.....	Irrig.		1	10	12	Hall.....	June	17	1940	.....	3182*
						3	10	12						
Ground Water...	Cooke, Augusta A.....	Morrill.....	Cooke-Andrews Well.	Irrig.		3	23	57	Scotts Bluff	June	25	1940	.....	3189*
Ground Water...	Snyder, Mrs. W. P.....	North Platte	Snyder Well.....	Irrig.		21	14	36	Keith.....	July	5	1940	.....	3193*
Ground Water...	Hanlon, John A.....	Morrill.....	Hanlon Well.....	Irrig.		36	24	57	Sioux.....	July	12	1940	.....	3198*
Ground Water...	Petersen, Thorvald.....	Harrisburg.....	Petersen Pump.....	Irrig.		31	19	56	Banner.....	Aug.	6	1940	.....	3224*
Ground Water...	Miller, Howard A.....	North Platte	Miller Well.....	Irrig.		134	14	31	Lincoln.....	Sept.	10	1940	.....	3260*
Ground Water...	Amundsen, Alfred E.	Morrill.....	Amundsen Well.....	Irrig.		31	24	56	Sioux.....	Sept.	11	1940	.....	3261*
Ground Water...	Stockwell, Elsie J.....	Morrill.....	Stockwell Pump.....	Irrig.		2	23	57	Scotts Bluff	Sept.	18	1940	.....	3269*

*Application pending.

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Ground Water.....	Fouts, Frederick.....	Central City	Fouts Well.....	Irrig.		17	14	6	Merrick.....	Sept.	20	1940	.....	3270*
Horse Creek.....	Mihan, John, Estate.....	Lyman.....	State Line Canal.....	Irrig.	10.00	33	23	58	Scotts Bluff.	Sept.	10	1897	.....	407
Horse Creek.....	Braziel and Marsh.....	Morrill.....	Marsh-Braziel Canal.	Irrig.	7.19	4	22	60	Wyoming.....	Nov.	24	1908	.....	921
Horse Creek.....	Gilmore Ditch Ass'n.	Morrill.....	State Line (Gilmore) Canal	Irrig.	3.71	33	23	58	Scotts Bluff.	Feb.	21	1910	.....	983
Horse Creek.....	Mihan, John, Estate.....	Morrill.....	State Line Canal.....	Irrig.	2.00	33	23	58	Scotts Bluff	Apr.	21	1910	.....	994
Horse Creek.....	Casteel and Jackson.....	Henry.....	State Line (Jackson) Canal	Irrig.	1.00	33	23	58	Scotts Bluff.	May	19	1910	.....	1000
Horse Creek.....	Braziel and Marsh.....	Morrill.....	Marsh-Braziel Canal.	Irrig.	13.00	4	22	60	Wyoming.....	Sept.	18	1911	.....	1126
Horse Creek.....	Great Western Sugar Company	Scottsbluff.....	Lyman Factory.....	Mfg.	15.00	34	23	58	Scotts Bluff.	June	16	1926	.....	1819
Horse Creek.....	Mitchell Irrig. Dist.....	Mitchell.....	Mitchell Canal.....	Supple.		25	23	58	Scotts Bluff	June	9	1931	.....	2206*
Hoth Draw.....	Great Western Sugar Company	Scottsbluff.....	Bayard Factory.....	Mfg.	15.00	34	21	52	Morrill.....	Oct.	4	1920	.....	1593
Hoth Draw.....	O'Holloren, Jas.....	Bayard.....	O'Holloren Pump.....	Power		28	21	52	Morrill.....	July	16	1930	.....	2147*
Huffman Lake.....	Huffman, M. J., et al.....	Gering.....	Huffman Canal.....	Irrig.	1.60	26	21	54	Scotts Bluff	Mar.	19	1909	.....	937
Huntington Spr.	Card, Fred.....	Lyman.....	Card Canal.....	Irrig.	1.43	9	20	58	Scotts Bluff	Dec.	23	1904	.....	778
Kiowa Creek.....	Currie, Edw. A.....	Mitchell.....	Currie Canal.....	Irrig.	9.14	13	21	57	Scotts Bluff.	Mar.	23	1892	938	.....
Kiowa Creek.....	Kellums, John H.....	Morrill.....	Kellums Canal.....	Irrig.	1.43	11	22	58	Scotts Bluff	Oct.	18	1901	.....	641
Kiowa Creek.....	Kellums, John H.....	Morrill.....	Kellums Canal No. 2.	Irrig.	.06	1	22	58	Scotts Bluff.	Nov.	29	1907	.....	880
Lawrence Fork	Randall, Wm. H.....	Bridgeport.....	Laing Canal.....	Irrig.	.50	28	18	52	Morrill.....	Dec.	31	1886	825	.....
Lawrence Fork	Gilman, Byron and Crigler, E. S.	Redington.....	Redington Canal.....	Irrig.	.57	36	19	52	Morrill.....	Oct.	9	1889	820	.....
Lawrence Fork	Lindberg, Fred R., Estate	Bridgeport.....	Crigler Canal.....	Irrig.	.57	1	18	52	Morrill.....	Sept.	11	1891	861	.....
Lawrence Fork	Niehus, Joseph W.....	Bridgeport.....	Spring Branch Canal.	Irrig.	1.00	11	18	52	Morrill.....	Oct.	23	1891	862	.....
Lawrence Fork	Niehus, Joseph W.....	Bridgeport.....	Spring Branch Canal.	Irrig.	.50	11	18	52	Morrill.....	May	1	1893	893	.....
Lawrence Fork	Lindberg, Fred R., Estate	Bridgeport.....	Crigler Canal.....	Irrig.	1.43	1	18	52	Morrill.....	Nov.	25	1898	.....	486

DEPARTMENT OF ROADS AND IRRIGATION

Lawrence Fork	Willis, Mrs. Anna.....	Bridgeport.....	Niehus Canal.....	Irrig.	.86	11	18	52	Morrill.....	Mar.	23	1900	.....	550
Lawrence Fork	Niehus, Joseph W.....	Bridgeport.....	Spring Branch Canal.	Irrig.	1.43	11	18	52	Morrill.....	May	27	1902	.....	669
Lawrence Fork	Randall, Wm. H.....	Bridgeport.....	Randall Canal.....	Irrig.	2.40	21	18	52	Morrill.....	May	15	1911	.....	1100
Lawrence Fork	King, Wm. O.....	Kearney.....	King Canal.....	Irrig.	4.00	15	18	52	Morrill.....	Dec.	8	1915	.....	1440
Lawrence Fork	King, Wm. O.....	Kearney.....	King Canal.....	Irrig.	1.00	15	18	52	Morrill.....	July	3	1920	.....	1587
Lawrence Fork	Niehus, J. W.....	Bridgeport.....	Hopeful Canal.....	Irrig.	1.43	1	18	52	Morrill.....	Apr.	19	1930	.....	2135
Lawrence Fork	Niehus, J. W.....	Bridgeport.....	Pearl Canal.....	Irrig.	.58	11	18	52	Morrill.....	Sept.	30	1935	.....	2560
Loneragan Creek	Soehl, Herman H.....	Lemoyne.....	Soehl Canal.....	Irrig.	2.00	17	15	39	Keith.....	May	10	1889	697a	.....
Loneragan Creek	Jacobs, Lee, Estate.....	Lemoyne.....	Loneragan Canal.....	Irrig.	9.15	17	15	39	Keith.....	May	25	1889	699	.....
Loneragan Creek	Soehl, Herman H.....	Lemoyne.....	Soehl Canal.....	Irrig.	.86	17	15	39	Keith.....	Apr.	27	1893	697b	.....
Lost Creek.....	Campbell, Wm. N.....	Oshkosh.....	Campbell Pump.....	Irrig.	1.69	11	17	44	Garden.....	Dec.	23	1929	.....	2118
Mathews Creek	Mathews, Benj. G.....	Keystone.....	Mathews Canal.....	Irrig.	1.14	28	15	37	Keith.....	Apr.	1	1895	750	.....
Middle Creek.....	Miller, J. L.....	Bridgeport.....	Miller Upper Canal..	Irrig.	.56	33	18	51	Morrill.....	Oct.	19	1936	.....	2646
			Miller Lower Canal..	Irrig.	.85	28	18	51						
Mud Creek(See Buffalo Cr.)	Ulrich, Maria A.....	Elm Creek.....	Ulrich Pump.....	Irrig.	4.20	1	8	19	Dawson.....	Feb.	4	1929	.....	2068
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Elm Creek Canal (Ulrich Pump)	Supple.	A-2068	6	8	19	Dawson.....	Mar.	31	1937	.....	2726
Nealy Springs....	Covington, Paul H.....	Morrill.....	Covington Pipe Line..	Irrig.	.06	11	23	58	Scotts Bluff	Mar.	27	1933	.....	2311
Nealy Springs....	Nealy, Daisy.....	Henry.....	Nealy Canal.....	Irrig.	.38	11	23	58	Scotts Bluff	Aug.	3	1934	.....	2454
North Platte R.	Platte Valley Irrig. District	Hershey.....	North Platte Canal..	Irrig.	300.00	13	14	34	Lincoln.....	May	31	1884	635	.....
(Lincoln County Drainage District No. 1, Ditch No. 2)	Reimers, Oscar.....	Grand Island	Reimers Pump.....	O. D.	D-635	30	14	31	Lincoln.....	May	31	1884	.....	2459
(Lincoln County Drainage District No.1, Ditch No. 1)	Frame, Rolland.....	Hershey.....	Frame Pump.....	O. D.	D-635	21	14	32	Lincoln.....	May	31	1884	.....	2694

*Application pending.
 "O. D." Denotes optional diversion.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
(Lincoln County Drainage District No.1. Ditch No. 1)	Brownfield, Geo. V.....	Hershey.....	Brownfield Pump.....	O. D.	D-635	29	14	32	Lincoln.....	May	31	1884	P211*	.....
North Platte R.	Farmers Irrig. Dist..	Scottsbluff.....	Tri-State (Farmers) Canal	Irrig.	901.93	3	23	58	Scotts Bluff.	Sept.	16	1887	918	.....
North Platte R. (Pathfinder Reservoir)	Farmers Irrig. Dist..	Scottsbluff.....	Ramshorn Canal.....	Irrig.	3.07	13	23	58	Scotts Bluff.	Sept.	16	1887	918R	.....
(Alliance Drain Feeder)	Farmers Irrig. Dist..	Scottsbluff.....	Tri-State Canal.....	Supple.	D-918	3	23	58	Scotts Bluff.	Sept.	16	1887	P189*	.....
(Dry Spotted Tail Creek)	Farmers Irrig. Dist..	Scottsbluff.....	Tri-State Canal.....	O. D.	D-918	18	22	53	Scotts Bluff.	Sept.	16	1887	P189*	.....
(Dry Spotted Tail Feeder)	Frasky, Frank and Warner, Violet A.	Mitchell.....	Roberts Canal.....	O. D.	D-918	16	23	56	Scotts Bluff.	Sept.	16	1887	.....	1241
(Dry Spotted Tail Creek)	Farmers Irrig. Dist..	Scottsbluff.....	Tri-State Canal.....	O. D.	D-918	4	23	56	Scotts Bluff.	Sept.	16	1887	P188*	.....
(Farmers Canal Seep)	Kellum, John H.....	Morrill.....	Kellum Pump.....	O. D.	D-918	16	23	56	Scotts Bluff.	Sept.	16	1887	P195*	.....
(Hoth Draw).....	Warner, Frank.....	Morrill.....	Warner Canal.....	O. D.	D-918	12	23	57	Scotts Bluff.	Sept.	16	1887	.....	1769
(Sheep Creek).....	O'Holloren, Jas.....	Bayard.....	O'Holloren Canal.....	O. D.	D-918	28	21	52	Morrill.....	Sept.	16	1887	.....	1473
(Sheep Creek).....	Sheep Creek Lateral Company	Morrill.....	Sheep Creek Lateral.	O. D.	D-918	8	23	57	Scotts Bluff.	Sept.	16	1887	.....	1176
(Sheep Creek).....	Sheep Creek Lateral Company	Morrill.....	Sheep Creek Lateral.	O. D.	D-918	8	23	57	Scotts Bluff.	Sept.	16	1887	.....	1398
(Tub Springs Feeder)	Farmers Irrig. Dist..	Scottsbluff.....	Tri-State Canal.....	O. D.	D-918	8	23	57	Scotts Bluff.	Sept.	16	1887	P191*	.....
(Wet Spotted Tail Creek)	Farmers Irrig. Dist..	Scottsbluff.....	Tri-State Canal.....	O. D.	D-918	27	23	55	Scotts Bluff.	Sept.	16	1887	P192*	.....
(Wet Spotted Tail Creek)	Stewart, H. G.....	Mitchell.....	Stewart Canal.....	O. D.	D-918	10	23	56	Scotts Bluff.	Sept.	16	1887	449	.....
(Wet Spotted Tail Creek)	Farmers Irrig. Dist..	Scottsbluff.....	Tri-State Canal.....	O. D.	D-918	10	23	56	Scotts Bluff.	Sept.	16	1887	P190*	.....

DEPARTMENT OF ROADS AND IRRIGATION

North Platte R. (Taylor Drain)	Minatare Mutual Canal and Irrig. Co... Oberlies, L. C.....	Minatare..... Tacoma, Wash.	Minatare Canal..... Oberlies Canal.....	Irrig. O. D.	249.43 32 22 54 D-919 3 21 55	Scotts Bluff Scotts Bluff	Jan. Jan.	14 1888 14 1888	919 .....	..... 2502
North Platte R. (Winters Creek)	Winters Creek Irrig. Company Winters Creek Irrig. Company	Scottsbluff... Scottsbluff...	Winters Creek Canal. Winters Creek Canal.	Irrig. O. D.	124.29 17 22 55 D-952 19 22 54	Scotts Bluff Scotts Bluff	Oct. Oct.	18 1888 18 1888	952 .....	..... 1446
North Platte R. (Nelson or Akers Draw)	Enterprise Irrig. Dist. Enterprise Irrig. Dist.	Scottsbluff... Scottsbluff...	Enterprise Canal..... Nelson Draw Canal...	Irrig. O. D.	138.40 27 33 57 D-920 13 23 57	Scotts Bluff Scotts Bluff	Mar. Mar.	28 1889 28 1889	920 .....	..... 1290
North Platte R. (Toohey Drain)	Fanning, Leo T.....	Mitchell.....	Fanning Pump.....	O. D.	D-920 20 23 56	Scotts Bluff	Mar.	28 1889	.....	2413
North Platte R. (Winters Creek)	Enterprise Irrig. Dist.	Scottsbluff...	Enterprise Lateral.....	O. D.	D-920 8 22 54	Scotts Bluff	Mar.	28 1889	.....	2409
North Platte R.	Castle Rock Irrig. District	McGrew.....	Castle Rock Canal.....	Irrig.	82.57 4 21 54	Scotts Bluff	Apr.	18 1889	921	.....
North Platte R.	Logan Irrig. Co.....	Bridgeport...	Logan Canal.....	Irrig.	5.71 24 20 51	Morrill.....	Oct.	17 1889	821	.....
North Platte R. (Atkins Drain)	Bridgeport Irrig. Dist. Atkins, A. W., Estate	Bridgeport... Bridgeport...	Belmont Canal..... Atkins Canal.....	Irrig. O. D.	270.00 18 20 51 D-828 15 19 49	Morrill..... Morrill.....	Dec. Dec.	19 1889 19 1889	828 .....	..... 1450
North Platte R. (Cedar Creek)	Bridgeport Irrig. Dist.	Bridgeport...	Cedar Creek Feeder...	O. D.	D-828 23 18 48	Morrill.....	Dec.	19 1889	.....	1397
North Platte R.	Mitchell Irrig. Dist...	Mitchell.....	Mitchell Canal.....	Irrig.	‡194.29 10 23 60	Wyoming.....	June	20 1890	1052	.....
North Platte R. (Pathfinder Reservoir)	Central Irrig. Dist... Central Irrig. Dist...	Gering..... Gering.....	Central Canal..... Central Canal.....	Irrig. Supple.	36.00 27 22 55 D-926 27 22 55	Scotts Bluff Scotts Bluff	June	23 1890	926 .....	..... 768
North Platte R.	Sheridan, J. Wake, Estate	Paxton.....	Sheridan-Wilson Canal	Irrig.	10.00 19 14 35	Keith.....	Oct.	9 1890	710	.....
North Platte R.	Chimney Rock Irrig. District	Bayard.....	Chimney Rock Canal.	Irrig.	60.00 1 20 53	Scotts Bluff	Dec.	3 1890	844	.....
North Platte R.	Chimney Rock Irrig. District	Bayard.....	Chimney Rock Canal.	Irrig.	1 20 53	Scotts Bluff	Dec.	3 1890	1031	.....
North Platte R. (Pathfinder Reservoir)	Chimney Rock Irrig. District	Bayard.....	Chimney Rock Canal.	Supple. Supple.	D-844 1 20 53 D-1031	Scotts Bluff	.....	.....	.....	..... 768
North Platte R. (Anderson Seep)	Empire Canal Co..... Clarke, M. G.....	Bridgeport... Okmulgee, Okla.	Empire Canal..... Gordon Canal.....	Irrig. O. D.	28.57 18 20 51 D-858 26 20 51	Morrill..... Morrill.....	June June	25 1891 25 1891	858 .....	..... 2248

*Application or petition pending.

"O. D." Denotes optional diversion.

‡Mitchell Irrigation District's appropriation adjudicated in Wyoming.

"R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
North Platte R.	Kah, D., Estate.....	Minatare.....	Kah Canal.....	Irrig.	4.57	11	21	54	Scotts Bluff..	Nov.	1	1891	944	.....
North Platte R.	Brown Creek Irrig. District	Bridgeport....	Brown Creek Canal....	Irrig.	188.71	29	20	50	Morrill.....	Jan.	20	1892	857	.....
North Platte R.	Brown Creek Irrig. District	Bridgeport....	Brown Creek Canal....	Irrig.		29	20	50	Morrill.....	Jan.	20	1892	1033	.....
(Pathfinder Reservoir)	Brown Creek Irrig. District	Bridgeport....	Brown Creek Canal....	Supple. D-1033	D-857	29	20	50	Morrill.....					768
North Platte R.	Alliance Irrig. Dist....	Bridgeport....	Alliance Canal.....	Irrig.	100.00	5	20	52	Morrill.....	Dec.	26	1892	874	.....
North Platte R.	Alliance Irrig. Dist....	Bridgeport....	Alliance Canal.....	Irrig.		5	20	52	Morrill.....	Dec.	26	1892	1035	.....
(Bayard Sugar Factory Dr.)	Alliance Irrig. Dist....	Bridgeport....	Alliance Canal.....	O. D.	D-874	5	20	52	Morrill.....	Dec.	26	1892		1776
(Red Willow Creek)	Alliance Irrig. Dist....	Bridgeport....	Alliance Canal.....	O. D.	D-874	6	20	51	Morrill.....	Dec.	26	1892		1429
North Platte R.	Ramshorn Irrig. Dist	Morrill.....	Ramshorn Canal.....	Irrig.	45.71	13	23	58	Scotts Bluff	Mar.	20	1893	945	.....
North Platte R.	Short Line Irrig. District	Bayard.....	Short Line Canal.....	Irrig.	65.57	25	21	53	Scotts Bluff	May	1	1893	946	.....
North Platte R.	Lisco Irrig. Dist.....	Lisco.....	Lisco Canal.....	Irrig.	19.85	14	18	47	Morrill.....	July	1	1893	856	.....
North Platte R.	Nine Mile Irrig. Dist.	Bayard.....	Nine Mile Canal.....	Irrig.	200.00	18	21	53	Scotts Bluff	Dec.	6	1893	925	.....
(Nine Mile Draw)	Nine Mile Irrig. Dist.	Bayard.....	Nine Mile Canal.....	O. D.	D-925	10	21	53	Scotts Bluff	Dec.	6	1893		1431
North Platte R.	Cody Land and Cattle Company	North Platte	Cody-Dillon Canal.....	Irrig.	125.81	9	14	31	Lincoln.....	Dec.	29	1893	649	.....
North Platte R.	Maloney, W. R.....	North Platte	Maloney Pump.....	Irrig.	1.19	29	14	30	Lincoln.....	Dec.	29	1893	649R	.....
North Platte R.	Keith-Lincoln County Irrig. District	Sutherland....	Keith-Lincoln Canal	Irrig.	186.00	18	14	36	Keith.....	Feb.	2	1894	722	.....
North Platte R.	Paxton-Hershey Water Company	Hershey.....	Paxton-Hershey Canal	Irrig.	130.00	18	14	33	Lincoln.....	Feb.	12	1894	653	.....
North Platte R.	Lisco Irrig. Dist.....	Lisco.....	Lisco Canal.....	Irrig.	5.37	14	18	47	Morrill.....	Mar.	27	1894	787R	.....
North Platte R.	No. River Irrig. Dist..	Oshkosh.....	North River Canal....	Irrig.	16.00	14	18	47	Morrill.....	Mar.	27	1894	787R	.....

North Platte R. (Lincoln County Drainage District No. 1, Ditch No. 1)	Suburban Irrig. Dist. Evans, R. V.	North Platte Wallace	Suburban Canal..... Evans Pump.....	Irrig. O. D.	183.00 D-662	12 14 33 26 14 31	Lincoln..... Lincoln.....	May May	22 1894 22 1894	662 .....	..... 2638
(Lincoln County Drainage District No. 1, Ditch No. 2)	Suburban Irrig. Dist. Evans, R. V.	North Platte Wallace	Suburban Canal..... Evans Pump.....	O. D. O. D.	D-662	29 14 31	Lincoln.....	May	22 1894	.....	2648
(Lincoln County Drainage District No. 1, Ditch No. 2)	Suburban Irrig. Dist. Evans, R. V.	North Platte Wallace	Suburban Canal..... Evans Pump.....	O. D. O. D.	D-662	26 14 31	Lincoln.....	May	22 1894	P-198	.....
(Lincoln County Drainage District No. 1, Ditch No. 1)	Suburban Irrig. Dist. Evans, R. V.	North Platte Wallace	Suburban Canal..... Evans Pump.....	O. D. O. D.	D-662	25 14 32	Lincoln.....	May	22 1894	P-213	.....
North Platte R.	Roberts, C. F.	Lewellen	Midland-Overland Canal	Irrig.	12.00	4 16 44	Garden.....	June	9 1894	789	.....
North Platte R.	Contryman, Chas., et al	Oshkosh	Midland-Overland Canal	Irrig.	20.00	4 16 44	Garden.....	Aug.	14 1894	791	.....
North Platte R.	Hannah Irrig. Co.	Lisco	Hannah Canal	Irrig.	5.71	24 18 47	Morrill.....	Sept.	24 1894	886	.....
North Platte R.	Oshkosh Irrig. Dist.	Oshkosh	Oshkosh Canal	Irrig.	40.00	33 17 44	Garden.....	Oct.	5 1894	797	.....
North Platte R.	Beerline Canal Co.	Broadwater	Beerline Canal	Irrig.	30.00	24 19 49	Morrill.....	Oct.	13 1894	887	.....
(Pathfinder Reservoir)	Beerline Canal Co.	Broadwater	Beerline Canal	Supple.	D-887	24 19 49	Morrill.....	.....	.....	.....	768
North Platte R.	Spohn, William	Oshkosh	Spohn Canal	Irrig.	13.14	13 17 45	Garden.....	Dec.	6 1894	801	.....
North Platte R.	Rush Creek Irrig Co.	Lisco	Rush Creek Canal	Irrig.	9.64	2 17 46	Garden.....	Dec.	11 1894	802	.....
North Platte R.	Lyons Irrig. District	Oshkosh	Lyons Canal	Irrig.	38.49	30 17 44	Garden.....	Dec.	22 1894	803	.....
North Platte R.	Spohn, Wm.	Oshkosh	Spohn Canal	Irrig.	2.40	13 17 45	Garden.....	Dec.	22 1894	803R	.....
North Platte R.	Western Land and Cattle Company	Omaha	Signal Bluff Canal	Irrig.	30.13	16 16 43	Garden.....	Jan.	16 1895	807	.....
North Platte R.	Alfalfa Irrig. District	Ogallala	Alfalfa Canal	Irrig.	100.00	1 15 42	Garden.....	Mar.	25 1895	738	.....
North Platte R.	Steamboat Irrig. Dist.	Melbeta	Steamboat Canal	Irrig.	15.00	4 21 54	Scotts Bluff	Oct.	22 1895	.....	186
North Platte R.	North River Irrig. Canal and Water Power Company	Oshkosh	North River Canal	Irrig.	81.00	14 18 47	Morrill.....	Feb.	24 1896	.....	243

"O. D." Denotes optional diversion.
"R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S | T | R		County	Mo.	D	Yr.			
North Platte R.	No. River Irrig. Dist.	Oshkosh.....	North River Canal.....	Irrig.	76.00	14	18	47	Morrill.....	Feb.	24	1896	.....	243R
North Platte R.	No. River Irrig. Dist.	Oshkosh.....	Oshkosh Canal.....	Irrig.	2.29	33	17	44	Garden.....	Feb.	24	1896	.....	243R
North Platte R.	Lisco Irrig. Dist.....	Lisco.....	Lisco Canal.....	Irrig.	9.00	14	18	47	Morrill.....	Feb.	24	1896	.....	243R
North Platte R.	Lees Creek Mutual Irrig Company	Broadwater.	Lamore Canal.....	Irrig.	20.00	34	19	48	Morrill.....	July	18	1896	.....	327
North Platte R.	Steamboat Irrig. Dist.	Melbeta.....	Steamboat Canal.....	Irrig.	.86	4	21	54	Scotts Bluff.	July	22	1896	.....	350
North Platte R.	Gering Irrig. Dist.....	Gering.....	Gering Canal.....	Irrig.	208.87	4	23	58	Scotts Bluff.	Mar.	15	1897	.....	365
(Pathfinder Reservoir)	Gering Irrig. Dist.....	Gering.....	Gering Canal.....	Supple.	A-365	4	23	58	Scotts Bluff.	.....	.....	.....	.....	768
North Platte R.	Schermerhorn Irrig. Company	Bridgeport...	Schermerhorn Canal...	Irrig.	29.71	16	20	51	Morrill.....	Oct.	25	1897	.....	418
(Camp Clark Seep and Red Willow Creek)	Schermerhorn Irrig. Company	Bridgeport...	Alliance Canal.....	O. D.	A-118	9	20	51	Morrill.....	Oct.	25	1897	.....	2088
(Degraw Drain)	Mitchell, Bertha N....	Scottsbluff...	Schermerhorn Canal...	O. D.	A-418	14	20	51	Morrill.....	Oct.	25	1897	.....	P-226
North Platte R.	Farmers Irrig. Dist...	Scottsbluff...	Tri-State (Columbia) Canal	Irrig.	600.00	3	23	58	Scotts Bluff.	Apr.	14	1902	.....	660
(Pathfinder Reservoir)	Farmers Irrig. Dist...	Scottsbluff...	Tri-State (Columbia) Canal	Supple.	A-660	3	23	58	Scotts Bluff.	.....	.....	.....	.....	768
North Platte R.	Dept. of the Interior U. S. R. S.	Denver, Colo	Pathfinder Reservoir.	Irrig.	+1,070,000	34	29	84	Wyoming.....	Sept.	19	1904	.....	768
North Platte R.	Pathfinder Irrig. Dist.	Mitchell.....	Inter-State Canal.....	Irrig.	1572.00	11	26	65	Wyoming.....	Sept.	19	1904	.....	768
(Pathfinder Reservoir)	Pathfinder Irrig. Dist.	Mitchell.....	Inter-State Canal.....	Supple.	A-768	11	26	65	Wyoming.....	.....	.....	.....	.....	768
North Platte R.	Northport Irrig. Dist.	Bridgeport...	Tri-State Canal.....	Irrig.	230.00	11	26	65	Wyoming.....	Sept.	19	1904	.....	768
(Pathfinder Reservoir)	Northport Irrig. Dist.	Bridgeport...	Tri-State Canal.....	Supple.	A-768	11	26	65	Wyoming.....	.....	.....	.....	.....	768
North Platte R.	Gering and Fort Laramie Irrig. Dist.	Gering.....	Gering and Fort Laramie Canal	Irrig.	784.00	11	26	65	Wyoming.....	Sept.	19	1904	.....	768
(Pathfinder Reservoir)	Gering and Fort Laramie Irrig. Dist.	Gering.....	Gering and Fort Laramie Canal	Supple.	A-768	11	26	65	Wyoming.....	.....	.....	.....	.....	768
North Platte R.	Liebhardt Brothers.....	Denver, Colo	Empire Canal.....	Irrig.	1.00	18	20	51	Morrill.....	July	20	1907	.....	866

North Platte R.	Lisco Irrig. Dist.....	Lisco.....	Lisco Canal.....	Irrig.	3.00	14	18	47	Garden.....	Apr.	9	1910	.....	221
North Platte R.	French Ditch Co.....	Hampton.....	French Canal.....	Irrig.	11.00	9	23	60	Wyoming.....	Dec.	21	1911	.....	1149
North Platte R.	Dobson, Mary E.....	Monrovia, Cal.	Dobson Canal.....	Irrig.	3.14	5	20	52	Morrill.....	Feb.	28	1912	.....	1181
(Red Willow Creek)	Dobson, Mary E.....	Monrovia Cal.	Dobson Canal.....	O. D.	A-1181	12	20	51	Morrill.....	Sept.	10	1915	.....	1432
North Platte R.	Stone, Myron H.....	San Diego, Cal.	Stone Canal.....	Irrig.	1.00	28	18	46	Morrill.....	Jan.	19	1915	.....	1401
North Platte R.	French Ditch Co.....	Hampton.....	French Canal.....	Irrig.	3.00	9	23	60	Wyoming.....	Sept.	11	1915	.....	1433
North Platte R. and Red Willow Creek	Dobson, Mary E.....	Monrovia, Cal.	Dobson Lateral.....	Irrig.	.57	12	20	51	Morrill.....	Nov.	3	1915	.....	1436
North Platte R.	Liebhardt, Harry G.....	Denver, Colo.	Liebhardt Lateral.....	Irrig.	2.92	6	20	52	Morrill.....	Mar.	1	1916	.....	1448
North Platte R.	McCue, Albert F.....	Gering.....	Castle Rock Canal.....	Irrig.		4	21	54	Scotts Bluff	Mar.	1	1916	.....	1448R*
North Platte R.	Intermountain Railway Light and Power Company	Colo. Springs Colo.	Gering Hydroelectric Plant	Power	250.00	10	23	60	Wyoming.....	Apr.	15	1916	.....	1452
North Platte R.	U. P. Railway Co.....	Omaha.....	Locomotive Water Supply	Dom.	1.00	29	14	30	Lincoln.....	Jan.	19	1917	.....	1472
North Platte R.	French Ditch Co.....	Hampton.....	French Canal.....	Irrig.	.60	9	23	60	Wyoming.....	Mar.	20	1920	.....	1581
North Platte R.	North Platte Water Department	North Platte	Water Supply.....	Steam	.125	29	14	30	Lincoln.....	Mar.	16	1927	.....	1912
North Platte R.	Great Western Sugar Company	Scottsbluff...	Gering Factory.....	Mfg.	15.00	36	22	55	Scotts Bluff	Nov.	15	1928	.....	2054
(Winter Creek Drain)	Great Western Sugar Company	Scottsbluff...	Gering Factory.....	O. D.	A-2054	31	22	54	Scotts Bluff	Nov.	15	1928	.....	P-216
North Platte R.	Great Western Sugar Company	Scottsbluff...	Gering Factory.....	O. D.	A-2054	26	22	55	Scotts Bluff	Nov.	15	1928	.....	2150
North Platte R.	Maddox, P. P., & al.	Keystone.....	Pawnee Canal.....	Irrig.		35	14	30	Lincoln.....	Nov.	24	1928	.....	2055*
North Platte R.	Chimney Rock Irrig. District	Bayard.....	Chimney Rock Canal.	Irrig.	.67	1	20	53	Scotts Bluff.	Feb.	2	1931	.....	2190
North Platte R. and Tributaries	Farmers Irrig. Dist...	Scottsbluff...	Farmers Irrig. District Plant	Power		10	23	58	Scotts Bluff.	Nov.	17	1932	.....	2291*
North Platte R.	Glasgow, Anna.....	Gering.....	Gering-Fort Laramie Canal	Irrig.	2.11	11	26	65	Wyoming.....	July	19	1933	.....	2336

"R" Denotes relocation.

‡Represents reservoir capacity alleged by applicant.

"O. D." Denotes optional diversion.

*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
North Platte R.	Platte Valley Public Power and Irrig. District	North Platte	Sutherland Supply Canal	I. & P.	†140,000 AF	2	14	38	Keith.....	Jan.	13	1934	.....	2350
North Platte R.	Platte Valley Public Power and Irrig. District	North Platte	Sutherland Supply Canal	I. & P.	†6000 AF	16	13	33	Lincoln.....	Jan.	13	1934	.....	2352
North Platte R.	Platte Valley Public Power and Irrig. District	North Platte	Sutherland Supply Canal	Power	975.00	2	14	38	Keith.....	Jan.	13	1934	.....	2353
North Platte R.	Platte Valley Public Power and Irrig. District	North Platte	Sutherland Supply Canal	Increase Head A-2353		2	14	38	Keith.....					2640
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Sutherland Head Race	Supple.	A-2353	16	13	33	Lincoln.....	Mar.	8	1937	.....	2710
North Platte R.	Platte Valley Public Power and Irrig. District	North Platte	Sutherland Supply Canal	I. & P.	†150,000 AF	2	14	38	Keith.....	Feb.	8	1934	.....	2361
North Platte R.	The Central Nebraska Public Power and Irrig. Dist.	Hastings.....	Kingsley (Keystone) Reservoir	I. & P.	†2,000,000 AF		15	38	Keith.....	Apr.	27	1934	.....	2374
North Platte R.	Cooper, Wm. Miller.....	Gering.....	Gering-Fort Laramie Canal	Irrig.	1.46	11	26	65	Wyoming.....	May	5	1934	.....	2378
North Platte R.	Butler, J. A.....	Gering.....	Gering-Fort Laramie Canal	Irrig.	.99	11	26	65	Wyoming.....	Mar.	23	1940	.....	3123
North Platte R.	Platte Valley Public Power and Irrig. District	North Platte	Keystone Reservoir.....	Irrig.		2	14	38	Keith.....	Sept.	12	1940	.....	3263*
Otter Creek.....	Felt, Elmer G., et al.	Lemoyne.....	Otter Creek (Cascade) Canal	Irrig.	3.30	5	15	40	Keith.....	Apr.	1	1891	1032	.....
Otter Creek.....	The Otter Creek Mutual Irrig. Co.	Lemoyne.....	Otter Creek Canal.....	Irrig.	10.71	5	15	40	Keith.....	May	24	1912	.....	1198

DEPARTMENT OF ROADS AND IRRIGATION

Otter Creek.....	Mutual Irrig. Co. The Otter Creek Mutual Irrig. Co.	Lemoine.....	son) Canal Otter Creek (Hol- comb) Canal	Irrig.	15.49	5	15	40	Keith.....	Nov.	6	1912	.....	1
Owl Creek.....	Kellums, John H.....	Morrill.....	Sunflower Canal.....	Irrig.	.79	12	22	58	Scotts Bluff.	Sept.	17	1897	.....	411
Owl Creek.....	Kellums, John H.....	Morrill.....	Sunflower Canal.....	Irrig.	1.14	12	22	58	Scotts Bluff.	Oct.	10	1904	.....	770
Owl Creek.....	Kellums, John H.....	Morrill.....	Sunflower Canal No. 2	Irrig.	1.14	12	22	58	Scotts Bluff.	Nov.	29	1907	.....	879
Owl Creek.....	Kellums, John H.....	Morrill.....	Sunflower Canal No. 1	Irrig.	.57	12	22	58	Scotts Bluff.	Nov.	29	1907	.....	881
Pawnee Creek....	Burke, Edw. L., Jr.	Genoa.....	Holcombe Canal.....	Irrig.	8.00	13	13	28	Lincoln.....	Oct.	18	1890	636	.....
Pawnee Creek....	Burke, Edw. L., Jr.	Genoa.....	Kent-Burke Canal.....	Irrig.	5.85	18	13	27	Lincoln.....	Nov.	16	1922	.....	1694
Pawnee Creek....	Janssen, H., Estate..	Gothenburg..	Janssen Canal.....	Irrig.	8.42	20	13	27	Lincoln.....	Aug.	31	1931	.....	2231
Pawnee Creek....	Murphy, Milton C.....	North Platte	Murphy Pump.....	Irrig.	1.01	33	13	27	Lincoln.....	June	19	1940	.....	3184
Platte River.....	Central Power Co.....	Grand Island	Kearney Canal.....	Irrig. Power	22.00	3	8	18	Buffalo.....	Sept.	10	1882	1023	.....
(Kearney Tail Race)	Peaker, Howard.....	Kearney.....	Peaker Pump.....	O. D.	140.00	3	8	18	Buffalo.....	Sept.	10	1882	.....	1744
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Kearney Canal.....	Supple.	D-1023	3	8	18	Buffalo.....	Mar.	31	1937	.....	2726
Platte River.....	Gothenburg Light and Power Co.	Gothenburg..	Gothenburg Canal.....	I. & P.	200.00	19	12	26	Lincoln.....	July	5	1890	645aR.....	
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Gothenburg Canal.....	Supple.	D-645a	29	12	26	Lincoln.....	Mar.	31	1937	.....	2726
Platte River.....	Kjar, Hans C., et al.	Lexington.....	Dawson County Canal	Irrig.	7.00	18	10	23	Dawson.....	June	14	1894	621	.....
(Dawson County Drainage Dist. No. 1)	Murray, J. E.....	Lincoln.....	Murray Pump.....	O. D.	D-621	1	9	22	Dawson.....	June	14	1894	P-201	.....
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Dawson County Canal	Supple.	D-621	18	10	23	Dawson.....	Mar.	31	1937	.....	2726
Platte River.....	Dawson County Irrig. Company	Lexington.....	Dawson County Canal	Irrig.	1142.86	18	10	23	Dawson.....	June	26	1894	622	.....
(Buffalo Creek)	Savins, Richard T.....	Lexington.....	Savins Pump.....	O. D.	D-622	22	10	21	Dawson.....	June	26	1894	.....	1495
(Buffalo Creek)	Doughty, Mrs. Ida.....	Lexington.....	Doughty Pump.....	O. D.	D-622	21	10	21	Dawson.....	June	26	1894	.....	1648

†Represents reservoir capacity alleged by applicant.
 *Application pending.
 "O. D." Denotes optional diversion.
 "R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
(Buffalo Creek)	Hodgson, Martha.....	Lexington.....	Hodgson Pump.....	O. D.	D-622	33	10	20	Dawson.....	June	26	1894	.....	1868
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Dawson County Canal	Supple.	D-622	18	10	23	Dawson.....	Mar.	31	1937	.....	1276
Platte River.....	Beatty, H. T.....	Overton.....	Dawson County Canal	Irrig.	1.71	18	10	23	Dawson.....	Sept.	15	1894	624	.....
Platte River.....	Malm, T. H., Estate	Lexington.....	Dawson County Canal	Irrig.	9.14	18	10	23	Dawson.....	Sept.	15	1894	624	.....
Platte River.....	Fellers, R. C.....	Lexington.....	Dawson County Canal	Irrig.	.57	18	10	23	Dawson.....	Sept.	15	1894	624	.....
Platte River.....	Boyles, Carl J., et al	Overton.....	Dawson County Canal	Irrig.	1.14	18	10	23	Dawson.....	Sept.	15	1894	624	.....
Platte River.....	Peterson, Elizabeth	Lexington.....	Dawson County Canal	Irrig.	2.30	18	10	23	Dawson.....	Sept.	15	1894	624	.....
Platte River.....	Dawson County Irrig. Company	Lexington.....	Dawson County Canal	Irrig.	28.54	18	10	23	Dawson.....	Sept.	15	1894	624	.....
(Dawson County Drainage Dist. No. 1)	Rosenberg Bros.....	Lexington.....	Orthman Pump.....	O. D.	D-624	14	9	21	Dawson.....	Sept.	15	1894	.....	2129
(Ground Water)	Beatty, Henry M.....	Lexington.....	Beatty Well.....	O. D.	D-624	20	9	20	Dawson.....	Sept.	15	1894	.....	2281
(Ground Water)	Beatty, H. T.....	Overton.....	Beatty Well.....	O. D.	D-624	19	9	20	Dawson.....	Sept.	15	1894	.....	2513
(Streyer Creek)	Jurgenson, John.....	Overton.....	Jurgenson Pump.....	O. D.	D-624	35	9	20	Dawson.....	Sept.	15	1894	.....	2049
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Dawson County Canal	Supple.	D-624	18	10	23	Dawson.....	Mar.	31	1937	.....	2726
Platte River.....	Gothenburg Light and Power Co.	Gothenburg.	Gothenburg Canal.....	Irrig.	240.00	19	12	26	Lincoln.....	Sept.	22	1894	645bR	.....
(Pedens Lake)..	Bean, Smith and Good	Cozad.....	Excell Canal.....	O. D.	D-645b	12	11	23	Dawson.....	Sept.	22	1894	.....	1860
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Gothenburg Canal.....	Supple.	D-645b	19	12	26	Lincoln.....	Mar.	31	1937	.....	2726
Platte River.....	Six Mile Ditch Co.....	Gothenburg.	Thirty Mile Canal.....	Irrig.	40.00	30	12	26	Lincoln.....	Oct.	22	1894	680R	.....
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte.	Six Mile Canal.....	Supple.	D-680R	11	11	26	Lincoln.....	Mar.	31	1937	.....	2726

(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Cozad Canal	Irrig. Supple.	593.86	16	11	25	Dawson	Dec.	28	1894	626	2726
Platte River (Ground Water)	South Side Irrig. Co. Neil, Leo	Cozad	Orchard-Alfalfa Canal	Irrig.	85.00	9	10	24	Dawson	Jan.	23	1895	627	
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Orchard-Alfalfa Canal	O. D. Supple.	D-627	33	10	23	Dawson	Jan.	23	1895	P204*	
					D-627	9	10	24	Dawson	Mar.	31	1937	.....	2726
Platte River	Central Power Co.	Grand Island	Kearney Canal	Power	485.00	3	8	18	Buffalo	Feb.	12	1920	.....	1577
Platte River	Central Power Co.	Grand Island	Central Canal	Steam	925.00	29	11	8	Merrick	Aug.	12	1920	.....	1588
Platte River	Steele, Chas.	Elm Creek	Cottonwood Canal	Irrig.	5.33	7	8	18	Phelps	Dec.	15	1921	.....	1629
Platte River (Sutherland Reservoir)	Faught, Carl E., et al	Cozad	Faught Pump	Irrig.	.80	9	10	24	Dawson	Oct.	20	1925	.....	1784
	Platte Valley Public Power and Irrig. District	North Platte	Thirty Mile (Faught Pump) Canal	Supple.	A-1784	30	12	26	Dawson	Mar.	31	1937	.....	2726
Platte River	Johnson, P. L.	Hastings	Johnson Pump	Irrig.	2.56	1	8	13	Buffalo	Feb.	13	1926	.....	1796
Platte River	Hagge, Fred, et al	Grand Island	Hagge Pump	Irrig.	4.58	28	11	9	Hall	Aug.	24	1926	.....	1849
Platte River (Sutherland Reservoir)	Thirty Mile Canal Co.	Gothenburg	Thirty Mile Canal	Irrig.	275.06	30	12	26	Lincoln	Sept.	7	1926	.....	1853
	Platte Valley Public Power and Irrig. District	North Platte	Thirty Mile Canal	Supple.	A-1853	30	12	26	Lincoln	Mar.	31	1937	.....	2726
Platte River (Sutherland Reservoir)	Robertson, Nina	Cozad	Robertson Pump	Irrig.	.75	9	10	24	Dawson	Nov.	2	1926	.....	1870
	Platte Valley Public Power and Irrig. District	North Platte	Thirty Mile (Robertson Pump) Canal	Supple.	A-1870	30	12	26	Dawson	Mar.	31	1937	.....	2726
Platte River	Frost, Matts.	Overton	Frost Canal	Irrig.	1.43	16	9	20	Dawson	Sept.	3	1927	.....	1957
Platte River	Priel, Wm. and Jas.	Overton	Priel Canal	Irrig.	2.27	22	9	20	Dawson	Sept.	3	1927	.....	1958
Platte River (Sutherland Reservoir)	Thirty Mile Canal Co.	Gothenburg	Thirty Mile Canal	Irrig.	50.79	30	12	26	Lincoln	Dec.	13	1927	.....	1976
	Platte Valley Public Power and Irrig. District	North Platte	Thirty Mile Canal	Supple.	A-1976	30	12	26	Lincoln	Mar.	31	1937	.....	2726
Platte River	Schulz, Louis F.	Brady	Schulz Pump	Irrig.	2.10	20	12	27	Lincoln	Oct.	1	1928	.....	2038
Platte River (Strever Creek)	Berquist, J. T., et al	Lexington	Dawson County Canal	Irrig.	91.11	18	10	23	Dawson	Oct.	3	1928	.....	2039
(Sutherland Reservoir)	Wengler, J. P.	Overton	Wengler Pump	O. D.	A-2039	27	9	20	Dawson	Oct.	3	1928	.....	2101
	Platte Valley Public Power and Irrig. District	North Platte	Dawson County Canal	Supple.	A-2039	18	10	23	Dawson	Mar.	31	1937	.....	2726

"O. D." Denotes optional diversion.
 "R" Denotes relocation.
 *Petition pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Platte River..... (Sutherland Reservoir)	Thirty Mile Canal Co. Platte Valley Public Power and Irrig. District	Gothenburg..	Thirty Mile Canal.....	Irrig.	4.57	30	12	26	Lincoln.....	Apr.	9	1929	.....	2077
		North Platte	Thirty Mile Canal.....	Supple.	A-2077	30	12	26	Lincoln.....	Mar.	31	1937	.....	2726
Platte River..... (Sutherland Reservoir)	Pettett, Joe, et al..... Platte Valley Public Power and Irrig. District	Elm Creek.....	Dawson County Canal	Irrig.	3.00	18	10	23	Dawson.....	Aug.	3	1929	.....	2093
		North Platte	Dawson County Canal	Supple.	A-2093	18	10	23	Dawson.....	Mar.	31	1937	.....	2726
Platte River..... (Sutherland Reservoir)	Elm Creek Ditch Co. Platte Valley Public Power and Irrig. District	Elm Creek.....	Elm Creek Canal.....	Irrig.	227.00	6	8	19	Dawson.....	Sept.	17	1929	.....	2104
		North Platte	Elm Creek Canal.....	Supple.	A-2104	6	8	19	Dawson.....	Mar.	31	1937	.....	2726
Platte River..... (Sutherland Reservoir)	Dawson County Irrig. Company Platte Valley Public Power and Irrig. District	Lexington.....	Dawson County Canal	Irrig.	284.91	18	10	22	Dawson.....	Oct.	25	1929	.....	2110
		North Platte	Dawson County Canal	Supple.	A-2110	18	10	22	Dawson.....	Mar.	31	1937	.....	2726
Platte River..... (Dawson County Drainage Dist. No. 1) (Sutherland Reservoir)	Dawson County Irrig. Company Sheldon, Mrs. O. N..	Lexington.....	Dawson County Canal (Beatty Lateral)	Irrig.	14.21	18	10	23	Dawson.....	June	14	1930	.....	2145
		Lexington.....	Sheldon Pump.....	O. D.	A-2145	11	9	21	Dawson.....	June	14	1930	.....	P-197
Platte River..... Platte River..... (Sutherland Reservoir)	Platte Valley Public Power and Irrig. District Eavey, W. J.....	North Platte	Dawson County Canal	Supple.	A-2145	18	10	22	Dawson.....	Mar.	31	1937	.....	2726
		Hastings.....	Eavey Pump.....	Irrig.	1.70	3	12	27	Lincoln.....	Feb.	20	1911	.....	2191
Platte River..... (Sutherland Reservoir)	Dawson County Irrig. Company Platte Valley Public Power and Irrig. District	Lexington.....	Dawson County Canal	Irrig.	12.71	18	10	22	Dawson.....	Mar.	1	1932	.....	2262
		North Platte	Dawson County Canal	Supple.	A-2262	18	10	23	Dawson.....	Mar.	31	1937	.....	2726

Platte River.....	The Central Nebraska Public Power and Irrig. District	Hastings.....	The Central Nebraska Supply Canal	Irrig.	1171.00	8 13 29	Lincoln.....	Jan.	13 1934	.....	2355
						2 8 21	Gosper.....				
						17 8 29	Kearney.....				
Platte River.....	The Central Nebraska Public Power and Irrig. District	Hastings.....	The Central Nebraska Supply Canal	I. & P.	†509,000 AF	8 13 29	Lincoln.....	Apr.	27 1934	.....	2351
Platte River.....	The Central Nebraska Public Power and Irrig. District	Hastings.....	The Central Nebraska Supply Canal	Power	1500.00	8 13 29	Lincoln.....	Apr.	27 1934	.....	2354
Platte River.....	Tyler, Floyd.....	Chapman.....	Tyler Pump.....	Irrig.	.96	2 12 7	Merrick.....	May	17 1940	.....	3163
Plum Creek.....	Delatour, Agnes E.....	Lewellen.....	Plum Creek Reservoir	Irrig.	.74	23 16 42	Garden.....	Jan.	12 1914	.....	1344
Plum Creek.....	Delatour, Agnes E.....	Lewellen.....	Plum Creek Reservoir	Irrig.	.40	14 16 42	Garden.....	Jan.	12 1914	.....	1344R
Plum Creek.....	Bossung, E. S., et al.	Smithfield.....	Bossung Pump.....	Irrig.	.33	5 7 21	Gosper.....	Mar.	14 1935	.....	2527
Prairie Creek...	MacQueen, Glen D....	Silver Creek.	Braeside Pump.....	Irrig.	7.89	29 16 3	Merrick.....	Sept.	8 1931	.....	2235
Prairie Creek...	Santin, Henry.....	Palmer.....	Santin Pump.....	Irrig.	.36	24 15 6	Merrick.....	Sept.	5 1933	.....	2958
Pumpkinseed Cr.	Kelley, Wm. J.....	Harrisburg...	Kelley Canal.....	Irrig.	1.43	5 19 54	Banner.....	May	10 1886	915	.....
Pumpkinseed Cr.	Zing, Henry N.....	Platte Center	Heard Canals Nos. 1-2	Irrig.	1.29	14 19 54	Banner.....	June	1 1887	916	.....
Pumpkinseed Cr.	Olsen, Albert H.....	Harrisburg...	Logan Canal.....	Irrig.	4.00	7 19 55	Banner.....	July	16 1890	902	.....
Pumpkinseed Cr.	Court House Rock Company	Bridgeport...	Court House Rock Canal	Irrig.	30.50	30 19 50	Morrill.....	Oct.	6 1890	840	.....
Pumpkinseed Cr.	Court House Rock Company	Bridgeport...	Court House Rock Canal	Irrig.		30 19 50	Morrill.....	Oct.	6 1890	1028	.....
Pumpkinseed Cr.	Nielsen, Eiler S. and Halver G.	Bridgeport...	Smith-Wheeler South Canal	Irrig.	1.57	26 19 51	Morrill.....	Oct.	16 1890	842a	.....
Pumpkinseed Cr.	Mutual Ditch Co.....	Redington...	Mutual Canal.....	Irrig.	8.57	33 19 52	Morrill.....	Nov.	1 1890	843	.....
Pumpkinseed Cr.	Sweet, S. R.....	Bridgeport...	Meredith-Ammer Canal	Irrig.	14.00	23 19 50	Morrill.....	Feb.	20 1893	876	.....
Pumpkinseed Cr.	Finn and Trott.....	Bridgeport...	Last Chance Canal...	Irrig.	6.32	27 19 50	Morrill.....	Apr.	12 1894	883	.....
Pumpkinseed Cr.	McCord, Mrs. Gracie.	San Bernardino Cal.	Round House Rock Canal	Irrig.	2.77	28 19 51	Morrill.....	May	29 1894	884	.....
Pumpkinseed Cr.	Nunn, Rose.....	Bridgeport...	Nunn Canal.....	Irrig.	.23	27 19 51	Morrill.....	May	29 1894	884R	.....
Pumpkinseed Cr.	Thompson, R. S., et al	Redington...	Bird Cage Canal.....	Irrig.	1.00	20 19 51	Morrill.....	June	1 1895	892	.....

†Represents reservoir capacity alleged by applicant.
 "O. D." Denotes optional diversion.
 "R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Pumpkinseed Cr.	Nielsen, Eiler S. and Halver G	Bridgeport.....	Smith-Wheeler North Canal	Irrig.	.71	26	19	51	Morrill.....	June	1	1896	842b	.....
Pumpkinseed Cr.	Cluck, Millard.....	Harrisburg..	Peter Canal.....	Irrig.	2.57	2	19	56	Banner.....	July	1	1902	913	.....
Pumpkinseed Cr.	Airedale Ranch and Cattle Company	Scottsbluff....	Airedale Canal No. 1.	Irrig.	5.52	2	19	55	Banner.....	Jan.	24	1903	.....	698
Pumpkinseed Cr.	Airedale Ranch and Cattle Company	Scottsbluff....	Airedale Canal No. 2.	Irrig.	3.22	1	19	55	Banner.....	Jan.	24	1903	.....	699
Pumpkinseed Cr.	Gifford, Owen.....	Gering.....	Scott Reservoir.....	Irrig.	†AF	7	19	55	Banner.....	June	24	1903	.....	711
Pumpkinseed Cr.	Gifford, Owen.....	Gering.....	Scott Reservoir.....	Irrig.	1.31	7	19	55	Banner.....	June	24	1903	.....	711
Pumpkinseed Cr.	Seybolt Investment Company	Bridgeport.....	Swanger Canal.....	Irrig.	.43	30	19	50	Morrill.....	Feb.	28	1907	.....	851
Pumpkinseed Cr.	Airedale Ranch and Cattle Company	Scottsbluff....	Airedale Canal No. 2.	Irrig.	1.48	1	19	55	Banner.....	Oct.	26	1911	.....	1133
Pumpkinseed Cr.	Airedale Ranch and Cattle Company	Scottsbluff....	Airedale Canal No. 1.	Irrig.	.51	2	19	55	Banner.....	Sept.	4	1914	.....	1380
Pumpkinseed Cr.	Airedale Ranch and Cattle Company	Scottsbluff....	Airedale Canal No. 3.	Irrig.	4.41	2	19	55	Banner.....	Mar.	15	1918	.....	1508
Pumpkinseed Cr.	Quinn, T. E.....	Bridgeport.....	Quinn Canal.....	Irrig.	.23	20	19	51	Morrill.....	Oct.	15	1919	.....	1561
Pumpkinseed Cr.	Sears, Willis G.....	Omaha.....	Sears Pump.....	Irrig.	1.68	25	19	53	Banner.....	Dec.	20	1929	.....	2117
Pumpkinseed Cr.	Sears, Willis G.....	Omaha.....	Sears Pump.....	Irrig.		25	19	53	Banner.....	June	2	1932	.....	2272
Pumpkinseed Cr.	Reuter, Leonard.....	Bridgeport.....	Court House Rock Canal	Irrig.	.08	30	19	50	Morrill.....	Apr.	11	1933	.....	2315
Red Willow Cr (See North Platte River)	Dobson, Mary E.....	Monrovia, Cal.	Dobson Lateral.....	Irrig.	2.00	12	20	51	Morrill.....	Sept.	10	1915	.....	1432
Red Willow Cr (See North Platte River)	Dobson, Mary E.....	Monrovia, Cal.	Dobson Lateral.....	Irrig.		12	20	51	Morrill.....	Nov.	3	1915	.....	1436
Sand Creek.....	Dudley, W. H.....	Lemoyne.....	Patrick Canal.....	Irrig.	2.43	10	15	40	Keith.....	May	31	1891	725	.....
Sand Creek.....	Nissen, Peter.....	Lemoyne.....	Nissen Canal.....	Irrig.	3.07	10	15	40	Keith.....	Mar.	18	1901	.....	606
Schuetz Springs	Schuetz, Louis.....	Dalton.....	Schuetz Canal.....	Irrig.	.21	28	18	50	Morrill.....	May	10	1892	881	.....

Sheep Creek.....	Covert, Pitt.....	Cheyenne Wyo.	Nebraska Reservoir Canal	Irrig.	3.57	36	27	58	Sioux.....	May	18	1907	.....	859
Sheep Creek.....	Carpenter and Broad-bent	Morrill.....	West Fork Canal.....	Irrig.	5.14	1	26	58	Sioux.....	Sept.	21	1907	.....	871
Sheep Creek.....	Cunningham, H. B.....	Exeter.....	Lower Canal.....	Irrig.	.37	11	25	58	Sioux.....	Nov.	2	1907	.....	875
Sheep Creek.....	Carpenter and Broad-bent	Morrill.....	Horse Camp Res.....	Irrig.	.43	36	27	58	Sioux.....	Jan.	20	1908	.....	885
Sheep Creek..... (See North Platte River)	Sheep Creek Lateral Company	Morrill.....	Sheep Creek Lateral..	Irrig.	.10	8	23	57	Scotts Bluff..	Feb.	26	1912	.....	1176
Sheep Creek, Tributary to	Sheep Creek Lateral Company	Morrill.....	Sheep Creek Lateral..	Irrig.	.28	8	23	57	Scotts Bluff..	Feb.	20	1915	.....	1403
Sheep Creek Tributary to	Morrill and Sons.....	Scottsbluff..	Morrill and Sons Power Plant	Power		21	23	57	Scotts Bluff..	Jan.	13	1933	.....	2296*
Skunk Creek.....	Knight, H. H.....	Keystone.....	Miller Canal.....	Irrig.	2.29	1	14	37	Keith.....	Apr.	1	1895	740	.....
Skunk Creek.....	Maddox, Nellie L.....	Keystone.....	Skunk Creek Canal..	Irrig.	5.00	6	14	36	Keith.....	Nov.	5	1909	.....	968
Slough, Warm...	Johnson, Abram M., Estate	Gibbon.....	Johnson Pump.....	Irrig.	.50	30	9	13	Buffalo.....	Feb.	20	1923	.....	1707
Snake Creek.....	Kilpatrick Brothers...	Beatrice.....	Oasis Canal.....	Irrig.	54.86	6	24	51	Box Butte...	June	6	1894	567	.....
Snake Creek..... (Elmore Res.)...	Kilpatrick Brothers...	Beatrice.....	Elmore Reservoir.....	Irrig.	†2300AF	1	24	52	Box Butte...	June	7	1911	.....	1104
	Kilpatrick Brothers...	Beatrice.....	Kilpatrick North and South Canals	Irrig.		6	24	51	Box Butte...	June	7	1911	.....	1159
South Platte R.	Hollingsworth, Clark..	Ogallala.....	Hollingsworth Canal	Irrig.	30.00	7	13	38	Keith.....	June	5	1894	723	.....
South Platte R.	Reck, Wm. J.....	Big Springs..	Miller-Warren Canal..	Irrig.	.57	7	12	42	Deuel.....	Jan.	5	1895	805	.....
South Platte R.	Meyer Henry, Estate..	Brule.....	Meyer Canal.....	Irrig.	1.46	22	13	40	Keith.....	Apr.	14	1896	.....	283
South Platte R.	Western Irrig. Dist..	Big Springs..	Western Canal.....	Irrig.	**154.40	14	12	43	Keith.....	June	14	1897	.....	393
South Platte R.	Western Irrig. Dist..	Big Springs..	Western Canal.....	Irrig.	**25.60	29	13	41	Keith.....	June	14	1897	.....	393R
South Platte R.	Beal, Orvill.....	Brule.....	Beal Power Plant.....	Power	17.60	20	13	40	Keith.....	Sept.	20	1921	.....	1619
South Platte R.	Beal, Orvill.....	Brule.....	Beal Canal.....	Irrig.	5.16	20	13	40	Keith.....	Sept.	20	1921	.....	1620
South Platte R.	Goodall, Robt., et al.	Ogallala.....	Goodall Reservoir.....	Storage					Deuel.....	Dec.	17	1921	.....	1630*
South Platte R.	Western Irrig. Dist..	Big Springs..	Western Canal.....	Irrig.	11.43	14	12	43	Keith.....	Apr.	13	1926	.....	1804
South Platte R.	Junge, M. F.....	Big Springs..	Junge Canal.....	Irrig.	1.07	31	13	41	Deuel.....	Sept.	11	1926	.....	1857
South Platte R.	Paxton Irrig. Dist..	Paxton.....	Paxton Canal.....	Irrig.	70.19	1	13	38	Keith.....	Nov.	22	1926	.....	1874

†Represents reservoir capacity alleged by applicant.

"R" Denotes relocation.

*Application pending.

**120.00 Second-feet stipulated under Colorado-Nebraska South Platte River Compact.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
South Platte R.	Contryman, C. L.....	Ogallala.....	Hollingsworth Canal.	Irrig.		12	13	39	Keith.....	Mar.	16	1938	2848 ^o
Spotted Tail, Dry	Great Western Sugar Company	Scottsbluff...	Mitchell Factory.....	Mfg.	15.00	20	23	56	Scotts Bluff..	Mar.	24	1920	1582
Spotted Tail, Wet	Storz, G.....	Omaha.....	Stewart-Brown Canal.	Irrig.	1.59	26	24	56	Scotts Bluff.	Mar.	2	1904	743
Spotted Tail, Wet	Storz, G.....	Omaha.....	Stewart-Brown Canal.	Irrig.	2.28	26	24	56	Scotts Bluff.	Mar.	17	1911	1072
Spotted Tail, Wet	Young, Thos. H.....	Mitchell.....	Spring Creek Res.....	Ice.	+20AF	27	23	56	Scotts Bluff.	Feb.	6	1922	1642
Springs, Trib. to No. Platte R.	Gatch, Chas.....	Melbeta.....	Gatch Canal.....	Irrig.	.93	25	21	54	Scotts Bluff..	Aug.	21	1912	1220
Spring Branch.	Brogan Brothers.....	Keystone.....	Brogan Canal.....	Irrig.	.57	35	15	37	Keith.....	Sept.	24	1897	410
Spring Creek...	Barden, Wm. E.....	Redington.....	Barden Pump.....	Irrig.	.89	11	18	52	Morrill.....	June	17	1929	2086
Spring Creek...	Otter Creek Mutual Irrig. Company	Lemoyno.....	Spring Creek Canal.	Irrig.	.57	12	15	40	Keith.....	June	18	1894	724
Spring Creek...	U. P. Railway Co.....	Omaha.....	Frazier Lake.....	Ice	4.00	35	14	30	Lincoln.....	Sept.	6	1907	868
Spring Cr. Little	Keystone Irrig. Co.....	Keystone.....	Little Spring Canal.	Irrig.	.57	29	15	37	Keith.....	Apr.	1	1902	659
Spring Cr. Little	Hawkins, Ardis.....	Keystone.....	Hawkins Canal.....	Irrig.	1.31	29	15	37	Keith.....	Apr.	8	1939	2914
Spring Cr. Little	Beatty, Wallace D.....	Scottsbluff...	Shramek Canal.....	Irrig.	1.53	22	22	55	Scotts Bluff.	June	9	1913	1295
Spring Cr. Little	Graves, Johnson H.....	Scottsbluff...	Gilchrist Canal.....	Irrig.	.14	22	22	55	Scotts Bluff.	July	29	1913	1310
Spring Cr. Little	McClenahan, E.....	Scottsbluff...	Shramek Canal.....	Irrig.	.57	22	22	55	Scotts Bluff	July	30	1917	1492
Spring Cr. Little	Martin, D. H.....	Scottsbluff...	Shramek Canal.....	Irrig.	.14	22	22	55	Scotts Bluff.	June	8	1918	1515
Strever Creek...	Jensen, Anton.....	Cozad.....	Jensen Canal.....	Irrig.	.56	23	11	23	Dawson.....	July	27	1925	1772
Strever Creek...	Anders, Ida M.....	Cozad.....	Anders Canal.....	Irrig.	1.10	23	11	23	Dawson.....	July	27	1925	1773
Strever Creek...	Gardner, H. L.....	Cozad.....	Gardner Pump.....	Irrig.	1.00	30	12	23	Dawson.....	Apr.	11	1927	1924
Strever Creek...	Siebenaler, Nat.....	Overton.....	Siebenaler Pump.....	Irrig.	2.31	6	8	19	Dawson.....	Nov.	22	1927	1969

DEPARTMENT OF ROADS AND IRRIGATION

Strever Creek... (Dawson County Drainage Dist. No. 1)	Beatty, Harry T..... Beatty, Harry T.....	Overton..... Overton.....	Beatty Canal..... Beatty Pump.....	Irrig. O. D.	1.13 18 9 20 A-2083 18 9 20	Dawson..... Dawson.....	June June	3 1929 3 1929	2083 2777*
Strever Creek...	Peterson, P. R.....	Lexington.....	Peterson Pump.....	Irrig.	1.11 18 9 20	Dawson.....	Aug.	8 1929	2094
Strever Creek...	Beatty, Esther.....	Lincoln.....	Bend Canal.....	Irrig.	1.63 36 9 20	Dawson.....	Aug.	26 1929	2099
Strever Creek...	Jurgenson, Henry.....	Overton.....	Jurgenson Pump.....	Irrig.	1.03 35 9 20	Dawson.....	May	7 1931	2202
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte.	Sutherland Head Race	Supple. A-2353	†54,000 16 13 33 AF	Lincoln.....	Mar.	31 1937	2710
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte.	Cozad Canal.....	Supple.	D-626 16 11 25	Dawson.....	Mar.	31 1937	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte.	Cozad Canal.....	Irrig.	16 11 25	Dawson.....	Mar.	31 1937	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte.	Dawson County Canal	Supple.	D-621, 18 10 23 et al	Dawson.....	Mar.	31 1937	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte.	Dawson County Canal	Irrig.	18 10 23	Dawson.....	Mar.	31 1937	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte.	Elm Creek Canal.....	Supple.	A-2104, 6 8 19 et al	Dawson.....	Mar.	31 1937	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte.	Gothenburg Canal.....	Supple.	D-645a 29 12 26 D-645b	Dawson.....	Mar.	31 1937	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte.	Kearney Canal.....	Supple.	D-1023 3 8 18	Buffalo.....	Mar.	31 1937	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte.	Kearney Canal.....	Irrig.	3 8 18	Buffalo.....	Mar.	31 1937	2726

*Application pending.

†Represents reservoir capacity alleged by applicant.

"O. D." Denotes optional diversion.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.		
						S	T	R	County	Mo.	D			Yr.	
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Orchard-Alfalfa Cana.	Supple.	D-627	9	10	24	Dawson.....	Mar.	31	1937	.....	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Six Mile Canal.....	Supple.	D-680	11	11	26	Lincoln.....	Mar.	31	1937	.....	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Thirty Mile Canal.....	Supple.	A-1853, et al	30	12	26	Lincoln.....	Mar.	31	1937	.....	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Thirty Mile Canal.....	Irrig.		30	12	26	Lincoln.....	Mar.	31	1937	.....	2726
White Horse Cr.	Tobin Inv. Company and Herrod, Catherine	North Platte	Lamplough Lake.....	Irrig.	2.86	8	14	30	Lincoln.....	Dec.	31	1883	658	.....
White Horse Cr.	Bratt, John, Estate...	North Platte	Bratt Canal.....	Irrig.	6.00	9	14	30	Lincoln.....	Aug.	25	1913	.....	1316
White Horse Cr.	McCrone, Scott.....	North Platte	McCrone Pump.....	Irrig.	1.71	5	14	30	Lincoln.....	Mar.	10	1930	.....	2127
White Tail Cr.	McCarthy, J. M.....	Keystone.....	McCarthy Canal.....	Irrig.	1.00	36	15	38	Keith.....	July	15	1890	749	.....
White Tail Cr.	McGinley, Geo., et al.	Ogallala.....	Halloway-Phelps Canal	Irrig.	3.86	36	15	38	Keith.....	June	1	1893	717	.....
White Tail Cr.	McGinley, Geo., et al.	Ogallala.....	Keystone Canal.....	Irrig.	8.00	26	15	38	Keith.....	Oct.	30	1894	730	.....
White Tail Cr.	Martin, Chas. O.....	Keystone.....	Reed Canal.....	Irrig.	.57	15	15	38	Keith.....	May	15	1895	751	.....
White Tail Cr.	Keystone Irrig. Co.....	Keystone.....	Keystone Canal.....	Irrig.	39.00	26	15	38	Keith.....	Apr.	26	1902	.....	662b
(Paxton Creek)	Coyner, S. C.....	Keystone.....	Coyner Canal.....	O. D.	A-662b	31	15	37	Keith.....	Apr.	26	1902	.....	P-185
White Tail Cr.	Keystone Irrig. Co.....	Keystone.....	Keystone Canal.....	Irrig.	4.30	26	15	38	Keith.....	Nov.	30	1906	.....	843
White Tail Cr.	Keystone Irrig. Co.....	Keystone.....	Keystone Canal.....	Irrig.	7.41	26	15	38	Keith.....	May	27	1910	.....	1003
Willow Creek...	Banner County Bank	Harrisburg...	Willow Springs Canal No. 1	Irrig.	.57	16	19	56	Banner.....	Jan.	21	1902	.....	650
Willow Creek...	Banner County Bank	Harrisburg...	Willow Springs Canal No. 2	Irrig.	.86	16	19	56	Banner.....	Jan.	21	1902	.....	651
Willow Creek...	Cross, Inez V.....	Harrisburg...	Cross Canal.....	Irrig.	1.70	16	19	56	Banner.....	May	8	1926	.....	1808
						20	15	14	25	Keith.....	Nov.	20	1923	1914

Willow Creek.....	Knight, W. F.....	Sarben.....	Willow Creek Canal.....	Irrig.	15	14	35	Keith.....	Oct.	13	1934	2488*	
Winters Creek.....	Bouton, Chas. A.....	Gering.....	Bouton Canal.....	Irrig.	1.00	3	22	54	Scotts Bluff.....	Aug.	17	1889	923
Winters Creek.....	Great Western Sugar Company	Scottsbluff.....	Scottsbluff Factory.....	Mfg.	15.00	19	22	54	Scotts Bluff.....	Oct.	4	1920	1592
Wood River.....	Ashburn, J. N.....	Gibbon.....	Ashburn Canal.....	Power	40.00	13	9	14	Buffalo.....	Nov.	1	1873	993
Wood River.....	Bearss, Guy S.....	Kearney.....	Bearss Canal.....	Power	25.40	13	9	16	Buffalo.....	May	1	1881	995
Wood River.....	Klein, J. J.....	Kearney.....	White Bridge Park.....	Irrig.	.03	8	9	15	Buffalo.....	Mar.	14	1900	545a
Wood River.....	Klein, J. J.....	Kearney.....	White Bridge Park.....	Power	10.00	8	9	15	Buffalo.....	Mar.	14	1900	545b
Wood River (See A-1576)	Jacobson, C. A.....	Riverdale.....	Jacobson Canal.....	Irrig.	.50	31	10	16	Buffalo.....	Nov.	10	1910	1038
Wood River.....	Kimbrough, Cora.....	Shelton.....	Kimbrough Canal.....	Irrig.	4.00	36	10	13	Buffalo.....	Sept.	21	1912	1227
Wood River.....	Jacobson, C. A.....	Riverdale.....	Jacobson Reservoir.....	Supple. A-1038	†3000AF	31	10	16	Buffalo.....	Feb.	3	1920	1576
Wood River.....	Haug, James, Estate	Shelton.....	Haug Pump.....	Irrig.	.64	9	9	13	Buffalo.....	Sept.	7	1920	1590
Wood River.....	Petersen, Christianna..	Shelton.....	Petersen Pump.....	Irrig.	1.07	10	9	13	Buffalo.....	July	11	1921	1611
Wood River.....	Nutter, M. D.....	Shelton.....	Nutter Pump.....	Irrig.	2.28	8	9	13	Buffalo.....	Aug.	29	1921	1616
Wood River.....	Rodgers, J. H., Estate	Gibbon.....	Rodgers Pump.....	Irrig.	.30	14	9	14	Buffalo.....	Feb.	4	1922	1641
Wood River.....	Nebr. Conf. Assn. of Seven Day Ad- ventists	Shelton.....	Shelton Academy Pump	Irrig.	2.28	31	10	12	Hall.....	Feb.	16	1922	1643
Wood River.....	Haug, James, Estate	Shelton.....	Haug Pump No. 2.....	Irrig.	.92	9	9	13	Buffalo.....	Feb.	28	1922	1644
Wood River.....	Hallen, Hjalmar.....	Kearney.....	Hallen Reservoir.....	I. & P.	†1AF	5	9	16	Buffalo.....	Apr.	4	1922	1654
Wood River.....	Hallen, Hjalmar.....	Kearney.....	Hallen Dam.....	Irrig.	.47	5	9	16	Buffalo.....	Apr.	17	1922	1656
Wood River.....	Durtschi, Rudolph.....	Wood River.....	Durtschi Pump.....	Irrig.	1.37	18	10	11	Hall.....	May	22	1922	1668
Wood River.....	Howe, Lloyd M.....	Wood River.....	Howe Pump.....	Irrig.	.54	17	10	11	Hall.....	July	14	1922	1679
Wood River.....	Wilson, C. C.....	Omaha.....	Wilson Pump.....	Irrig.	1.21	14	9	15	Buffalo.....	Nov.	15	1922	1693
Wood River.....	Smith, Evan F.....	Shelton.....	Smith Pump.....	Irrig.	1.04	1	9	13	Buffalo.....	Jan.	12	1923	1702
Wood River.....	Ross, W. M.....	Gibbon.....	Ross Pump.....	Irrig.	.26	13	9	14	Buffalo.....	Apr.	28	1924	1743
Wood River.....	Travelers Insurance Company	Omaha.....	Foley Pump.....	Irrig.	1.76	36	10	17	Buffalo.....	Dec.	2	1924	1753
Wood River.....	Richardson, Frank.....	Gibbon.....	Richardson Pump.....	Irrig.	.49	13	9	14	Buffalo.....	Sept.	8	1925	1780
Wood River.....	Wilcox, Eva C.....	Gibbon.....	Wilcox Pump.....	Irrig.	.90	8	9	13	Buffalo.....	Jan.	22	1926	1793
Wood River.....	Nutter, John N.....	Gibbon.....	Darby Pump.....	Irrig.	.70	8	9	13	Buffalo.....	Feb.	10	1926	1794
Wood River.....	Kirk, I. A.....	Gibbon.....	Kirk Pumps.....	Irrig.	2.57	14	9	14	Buffalo.....	Feb.	23	1926	1797
						16	9	14					

*Application pending.

"O. D." Denotes optional diversion.

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Concluded.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Wood River.....	Langan, Thos.....	Wood River.....	Langan Pump.....	Irrig.	1.14	19	10	11	Hall.....	Mar.	19	1926	1800
Wood River.....	McConnell, Sadie L., et al	Gibbon.....	McConnell Pump.....	Irrig.	3.43	7	9	13	Buffalo.....	Apr.	21	1926	1805
Wood River.....	Mercer, Howard R.....	Gibbon.....	Mercer Pump.....	Irrig.	.80	9	9	14	Buffalo.....	May	25	1926	1814
Wood River.....	Oliver Brothers.....	Shelton.....	Wood River Pump.....	Irrig.	1.57	2	9	13	Buffalo.....	June	15	1926	1818
Wood River.....	Carlson, Carl E.....	Shelton.....	Carlson Pump.....	Irrig.	1.10	35	10	13	Buffalo.....	July	19	1926	1830
Wood River.....	Hayman, Mrs. O. O.....	Shelton.....	Hayman Pump.....	Irrig.	.57	4	9	13	Buffalo.....	July	20	1926	1831
Wood River.....	Power and Son.....	Gibbon.....	Power Pump.....	Irrig.	.11	13	9	14	Buffalo.....	July	24	1926	1834
Wood River.....	Schnoor, Jacob.....	Amherst.....	Schnoor Pump.....	Irrig.	.80	16	10	17	Buffalo.....	Oct.	18	1926	1867
Wood River.....	Oliver, Henry E., Jr.....	Shelton.....	Oliver Pump.....	Irrig.	.86	9	9	13	Buffalo.....	Feb.	29	1928	1987
Wood River.....	Nickel, Emil.....	Kearney.....	Nickel Pump.....	Irrig.	1.95	12	9	16	Buffalo.....	July	16	1930	2148
Wood River.....	Abels, Carl H.....	Amherst.....	Abels Pump.....	Irrig.	1.23	6	10	17	Buffalo.....	Jan.	10	1931	2186
Wood River.....	Nye, Kate D.....	Kearney.....	Nye Pump.....	Irrig.	.28	10	9	16	Buffalo.....	Sept.	11	1937	2785
Wood River.....	Thornton, S. Cary.....	Kearney.....	Thornton Pump.....	Irrig.	.42	9	9	15	Buffalo.....	Apr.	17	1939	2915
Wood River.....	Czenkusch, Carl.....	Amherst.....	Czenkusch Pump.....	Irrig.	.15	25	11	18	Buffalo.....	May	22	1939	2924
Wood River.....	Conklin, Grace L.....	Lincoln.....	Conklin Pumps.....	Irrig.	2.09	4	11	8	Merrick.....	Apr.	29	1940	3143
Wood River.....	Belschner, Fred.....	Amherst.....	Belschner Pump.....	Irrig.	.12	16	10	17	Buffalo.....	July	24	1940	3212
Wood River.....	Huffstutter, W. F.....	Kearney.....	Huffstutter Pump.....	Irrig.		9	9	15	Buffalo.....	Sept.	17	1940	3267
Wood River.....	Sharp, Earl H.....	Broken Bow.....	Sharp Pump.....	Irrig.	.83	12	9	16	Buffalo.....	Sept.	30	1940	3278

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Arikaree River..	Jenkins, Chas. T.....	Haigler.....	Haigler Res. Canal...	Irrig.	171.00	15	18	42	Colorado.....	Jan.	21	1910	.....	979
Askey Lake.....	Pleas, Watler P., Est.	Oxford.....	Pleas Pump.....	Irrig.	2.31	5	3	21	Furnas.....	Jan.	4	1930	.....	2120
Beaver Creek....	Newton, Thos. F.....	Beaver City..	Newton Pump.....	Irrig.	.97	10	2	21	Furnas.....	Apr.	11	1927	.....	1923
Beaver Creek....	Versaw, Paul E.....	Beaver City..	Versaw Pump.....	Irrig.	1.22	22	2	23	Furnas.....	Feb.	11	1928	.....	1982
Beaver Creek....	Weber, John, Estate..	Lebanon.....	Weber Pump.....	Irrig.	1.43	17	1	26	Red Willow..	Aug.	8	1930	.....	2156
Beaver Creek....	Fletcher, G. W.....	Beaver City..	Fletcher Pump.....	Irrig.	.43	24	2	23	Furnas.....	Aug.	8	1933	.....	2342
Beaver Creek....	Beaver-Sappa Public	Stamford.....	South Beaver Canal...	Irrig.		23	2	23	Furnas.....	Dec.	14	1936	.....	2671a*
(See Sappa Cr.)	Power and Irrig. District		North Beaver Canal...	Irrig.		23	2	23						
Beaver Creek....	Beaver-Sappa Public	Stamford.....	Lake Beaver Res.....	Irrig.		23	2	23	Furnas.....	Dec.	14	1936	.....	2672a*
(See Sappa Cr.)	Power and Irrig. District													
Beaver Creek....	Wood, A. B.....	Bartley.....	Wood Pump.....	Irrig.	.88	24	1	28	Red Willow..	Oct.	8	1937	.....	2796
Beaver Creek....	Puelz, Robert A., and Lowell V.	Danbury.....	Puelz Pump.....	Irrig.	.71	24	1	28	Red Willow..	Apr.	1	1938	.....	2857
Beaver Creek, Beaver Creek, Ravine Tributary to	Morris, James E.....	Lebanon.....	Morris Pump.....	Irrig.	.64	11	1	26	Red Willow..	May	10	1939	.....	2920
	Garey, Raymond R.....	Beaver City..	Garey Reservoir.....	Irrig.	†57AF	12	2	23	Furnas.....	Oct.	14	1939	.....	2986
Bell Creek.....	Bell, J. E.....	Superior.....	Valley Reservoir.....	Irrig.	†25AF	29	1	6	Nuckolls.....	Apr.	30	1928	.....	2013
Berger Creek (See School Cr.)	Sughrue, Edward.....	Indianola.....	Sughrue Pump.....	Irrig.	.64	15	3	27	Red Willow..	Aug.	16	1932	.....	2280
Blackwood Cr..	Barth, Lydia.....	Culbertson..	Barth Pump.....	Irrig.	.47	33	4	31	Hitchcock....	Apr.	27	1940	.....	3143
Buffalo Creek....	Larned, Wm. H., et al	Haigler.....	Allen-Larned Canal...	Irrig.	6.00	18	1	40	Dundy.....	Oct.	16	1890	117	.....
Buffalo Creek....	Porter, J. R., et al.....	Haigler.....	Porter Canal.....	Irrig.	2.68	1	1	41	Dundy.....	Nov.	26	1890	171	.....

*Application pending.

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.		
						S	T	R	County		Mo.			D	Yr.
Buffalo Creek.....	Jenkins, Chas. T.....	Haigler.....	Jenkins Canal No. 1.	Irrig.	4.57	18	1	40	Dundy.....	Dec.	12	1908	.....	924
Buffalo Creek.....	Porter Land and Investment Company	Haigler.....	Porter Canal.....	Irrig.	3.32	1	1	41	Dundy.....	June	23	1913	.....	1298
Brush Creek.....	Lofton, Frank S.....	McCook.....	Brush Creek Res.....	Irrig.	†250AF	3	2	29	Red Willow..	June	1	1912	.....	1201
Bushy Creek.....	Young, Lee.....	Maywood.....	Young Canal.....	Irrig.	.20	33	8	29	Frontier.....	Apr.	5	1927	.....	1921
Center Creek.....	Gregory, A. B., and P. C.	Franklin.....	Gregory Canal.....	Irrig.	2.00	1	1	15	Franklin.....	Aug.	11	1894	182	.....
Center Creek.....	Joy, C. G., et al.....	Franklin.....	Blank and Joy Canal.	Irrig.	2.82	1	1	15	Franklin.....	Aug.	17	1928	.....	2025
Center Creek.....	Hevner Serum Co.....	Franklin.....	Joy-Blank-Hevner Canal	Irrig.	.64	1	1	15	Franklin.....	Jan.	23	1940	.....	3084
Center Creek.....	Versaw, Willie K. and F. F.	Franklin.....	Versaw Pump.....	Irrig.	.18	27	2	15	Franklin.....	June	1	1940	.....	3169
Cook Creek.....	Haskell, W. G., Est.	Alma.....	Cook Creek Canal.....	Irrig.	2.20	33	2	18	Harlan.....	July	21	1917	.....	1491
Cook Creek.....	Shaffer, Frank.....	Alma.....	Shaffer Canal.....	Irrig.	1.08	33	2	18	Harlan.....	July	10	1918	.....	1517
Cook Creek.....	Shaffer, Frank.....	Alma.....	Shaffer Reservoir.....	Irrig.	†.24AF	33	2	18	Franklin.....	Aug.	24	1918	.....	1522
Cottonwood Cr..	Worden, Jennie.....	Superior.....	Worden Lake.....	Resort	†50AF	11	1	8	Nuckolls.....	Nov.	25	1938	.....	2897
Cottonwood, Big	Morlan, Henry, Estate	Bloomington	Bloomington Canal.....	Irrig.	.50	25	2	16	Franklin.....	Dec.	31	1881	185	.....
Cottonwood, Big	Siegel, Benj. E.....	Naponee.....	Bloomington Mill.....	Power	6.00	25	2	16	Franklin.....	Nov.	23	1898	.....	483
				Irrig.	1.06	25	2	16							
Cottonwood, Lit.	Gardner, C. D.....	Bloomington	Gardner Canal.....	Irrig.	1.14	6	1	15	Franklin.....	Mar.	20	1922	.....	1647
Cottonwood, Lit.	Bradshaw, Geo. F.....	Bloomington	Home Irrig. Plant.....	Irrig.	.23	6	1	15	Franklin.....	Apr.	27	1922	.....	1661
Cottonwood, Lit.	Koelmel, John.....	Bloomington	Koelmel Pump.....	Irrig.	.04	31	2	15	Franklin.....	Feb.	24	1940	.....	3094
Craig Creek.....	Hoylman, M. B.....	Naponee.....	Hoylman Canal.....	Irrig.	1.69	14	1	17	Harlan.....	Aug.	1	1927	.....	1948
Crooked Creek..	Kaley, C. H.....	Red Cloud.....	Fish Pond.....	Fish	1.00	1	1	11	Webster.....	May	7	1902	.....	665
Crooked Creek..	Slawson, E. R.....	Red Cloud.....	Slawson Pond.....	Fish	†5AF	1	1	11	Webster.....	Aug.	8	1912	.....	1213
Crooked Creek..	Perry, Lora B.....	Red Cloud.....	Weesner Canal.....	Irrig.	.30	36	2	11	Webster.....	June	23	1925	.....	1765

Crystal Springs	Eshelman, C. F.....	Riverton.....	Crystal Springs Canal	Irrig.	.28	10	2	13	Franklin.....	Aug.	17	1921	.....	1615
Curtis Creek.....	Nelson, D. O. and H. L.	Curtis.....	Nelson Pump.....	Irrig.	.27	36	8	28	Frontier.....	Apr.	19	1927	.....	1927
Deep Creek.....	Runck, John J.....	Orleans.....	Runck Pump No. 2.....	Irrig.	.65	22	3	20	Harlan.....	Sept.	18	1928	.....	2030
Deer Creek.....	Farr, Ed.....	Cambridge.....	Farr Pump.....	Irrig.	.22	10	5	25	Frontier.....	Feb.	7	1938	.....	2833
Driftwood Cr.....	Schmitz, Mrs. J. A.....	McCook.....	Schmitz Canal.....	Irrig.	1.50	12	2	30	Red Willow..	May	3	1913	.....	1287
Driftwood Cr.....	Hesterwerth, Mrs. John T. et al	McCook.....	Hesterwerth Canal.....	Irrig.	1.00	14	2	30	Red Willow..	Nov.	17	1913	.....	1332
Driftwood Cr.....	Kueffer, Mattie S., et al	Culbertson.....	Sylvan Dell Canal.....	Irrig.	2.80	1	2	30	Red Willow..	Dec.	6	1913	.....	1340
Driftwood Cr.....	Hoyt, Frank.....	McCook.....	Hoyt Pump.....	Irrig.	.56	24	2	31	Hitchcock....	Sept.	7	1937	.....	2780
Driftwood Cr.....	De Groff, Elsie M.....	Oak Park, Illinois.	De Groff Pump.....	Irrig.	.67	14	2	30	Red Willow..	Sept.	5	1939	.....	2957
Elk Creek.....	Murray, Esther.....	Arapahoe.....	Murray Canal.....	Irrig.	2.85	11	4	23	Furnas.....	Aug.	13	1913	.....	1315
Elm Creek.....	Rasser, William and Walter	Red Cloud.....	Rasser Canal.....	Irrig.	1.02	3	1	10	Webster.....	Jan.	24	1934	.....	2357
Elm Creek.....	Rasser, William and Walter	Red Cloud.....	Rasser Bros. Canal.....	Irrig.	.45	3	1	10	Webster.....	Apr.	26	1939	.....	2917
Fox Creek.....	Schick, Wm.....	Curtis.....	Schick Pump.....	Irrig.	.43	5	8	28	Frontier.....	May	16	1940	.....	3161
Fox Creek.....	Keldsen, Chris.....	Curtis.....	Keldsen Pump.....	Irrig.	.35	8	8	28	Frontier.....	May	16	1940	.....	3162
Frenchman R.....	Athey, H. E.....	Wauneta.....	Wauneta Power Plant	Power	35.00	11	5	36	Chase.....	July	31	1886	178	.....
Frenchman R.....	Wauneta Light and Power Company	Wauneta.....	Wauneta Power Plant D-178	Rs Dam		11	5	36	Chase.....	May	7	1928	.....	2015
Frenchman R.....	Daschosifsky, G.....	Lamar.....	Lamar Rolling Mills..	Power	30.00	18	6	40	Chase.....	Dec.	30	1887	1013	.....
Frenchman R.....	Knotwell, Glen R.....	Champion.....	Champion Mills.....	Power	28.30	21	6	39	Chase.....	Dec.	31	1887	179	.....
Frenchman R.....	Sheridan, Ellen T., et al	McCook.....	Aberdeen Canal.....	Irrig.	2.00	3	5	38	Chase.....	July	1	1888	50a	.....
Frenchman R.....	Grosbach, H. H. and Rose	Wauneta.....	Harlan Canal.....	Irrig.	2.00	1	5	38	Chase.....	July	1	1888	56	.....
Frenchman R. and Stinking Water Creek	Frenchman Valley Irrig. District	Culbertson.....	Culbertson Canal.....	Irrig.	215.00	31	5	33	Hayes.....	May	16	1890	24-25 29-30	.....
Frenchman R. (See A-1108)	Kilpatrick Brothers.....	Beatrice.....	Champion Canal.....	Irrig.	‡24.00	23	6	40	Chase.....	Dec.	23	1890	47	.....

‡Represents reservoir capacity alleged by applicant.
‡Amount affirmed by U. S. Supreme Court.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.		
						S	T	R	County	Mo.	D			Yr.	
Frenchman R.....	Sheridan, Ellen T., et al	McCook.....	Aberdeen Canal.....	Irrig.	50	3	5	38	Chase.....	Feb.	2	1891	50b	.....
Frenchman R.....	Farmers Canal Co.....	Culbertson.....	Farmers Canal.....	Irrig.	10.00	11	3	32	Hitchcock.....	Dec.	19	1893	10	.....
(Canyon No. 10)	Wacker, Geo., Estate	Culbertson.....	Wacker Canal.....	O. D.	D-10	17	3	31	Hitchcock.....	Dec.	19	1893	.....	1523
(Canyon No. 10)	Crews, C. G.....	Culbertson.....	Farmers Canal.....	O. D.	D-10	17	3	31	Hitchcock.....	Dec.	19	1893	.....	1573
Frenchman R.....	Fuller, C. D.....	Imperial.....	Fuller Canal.....	Irrig.	23.86	4	5	36	Chase.....	June	12	1894	62	.....
Frenchman R.....	Riverside Irrig. Co..	Culbertson.....	Riverside Canal.....	Irrig.	12.00	33	4	32	Hitchcock.....	July	28	1894	18	.....
Frenchman R.....	Dissmore, Geo. A.....	Des Moines, Iowa.	Frenchman Valley Canal	Irrig.	5.40	31	5	33	Hayes.....	Aug.	23	1894	38	.....
Frenchman R.....	Grosbach, H. H. and Rose	Wauneta.....	Gould Canal.....	Irrig.	2.00	1	5	38	Chase.....	Oct.	9	1894	67	.....
Frenchman R.....	Maranville, E., et al	Champion.....	Maranville Canal.....	Irrig.	6.00	12	6	41	Chase.....	Dec.	8	1894	70-71	.....
Frenchman R.....	Woods, John and Francis	Wauneta.....	North Guernsey Canal	Irrig.	1.30	3	5	37	Chase.....	Jan.	14	1895	74	.....
Frenchman R.....	Woods, John and Francis	Wauneta.....	South Guernsey Canal	Irrig.	22.57	10	5	37	Chase.....	Jan.	14	1895	75	.....
Frenchman R.....	Inman, Norton.....	Champion.....	Inman Canal.....	Irrig.	1.50	17	6	40	Chase.....	Feb.	28	1895	79	.....
Frenchman R.....	Kilpatrick Brothers.....	Beatrice.....	North Side Canal.....	Irrig.	.79	21	6	39	Chase.....	Feb.	25	1896	.....	246
Frenchman R.....	Shallenberger and Hoffmeister	Imperial.....	Shallenberger Canal.....	Irrig.	1.77	25	6	39	Chase.....	Dec.	21	1897	.....	423
Frenchman R.....	Inman Irrig. Co.....	Imperial.....	Inman Canal.....	Irrig.	6.43	17	6	40	Chase.....	Feb.	10	1898	.....	436
Frenchman R.....	Hoke, J. A., Estate.....	Champion.....	Champion Creamery.....	Power	34.40	21	6	39	Chase.....	Dec.	12	1900	.....	591
Frenchman R.....	Follett-Krotter.....	Palisade.....	Follett-Krotter Pump.....	Irrig.	4.29	35	5	34	Hayes.....	Apr.	30	1903	.....	705
Frenchman R.....	Follett-Krotter.....	Palisade.....	Follett-Krotter Pump.....	Irrig.	2.57	35	5	34	Hayes.....	Aug.	11	1903	.....	720
Frenchman R.....	Hagerman, Wm.....	Hamlet.....	Hagerman Canal.....	Irrig.	.86	19	5	34	Hayes.....	Mar.	11	1909	.....	935
Frenchman R.....	Krotter, F. C., Estate	Palisade.....	Follett-Krotter Canal.....	Irrig.	5.70	35	5	34	Hayes.....	Jan.	15	1910	.....	975
Frenchman R.....	Krotter, F. C., Estate	Palisade.....	Krotter Power Plant.....	Power	55.00	35	5	34	Hayes.....	Aug.	17	1910	.....	1021
Frenchman R.....	Krotter, F. C., Estate	Palisade.....	Krotter Canal.....	Irrig.	2.42	35	5	34	Hayes.....	Dec.	15	1910	.....	1047
Frenchman R.....	Hoke, J. A., Estate.....	Champion.....	Hoke Canal.....	Irrig.	1.29	21	6	39	Chase.....	May	1	1911	.....	1094
Frenchman R.....	Kilpatrick Brothers.....	Beatrice.....	Champion Supply Canal	Irrig.	1000	AF	23	6	40	Chase.....	June	22	1911	1108
(Kilpatrick Reservoir)	Kilpatrick Brothers.....	Beatrice.....	Kilpatrick Res. Canal	Supple.	D-47	30	6	39	Chase.....	June	22	1911	.....	1160

DEPARTMENT OF ROADS AND IRRIGATION

Frenchman R.....	Sheridan, Ellen T.....	McCook.....	Aberdeen Canal.....	Irrig.	1.57	3	5	38	Chase.....	July	29	1911	1117
Frenchman R.....	Theobald and Athey.....	Wauneta.....	Wauneta Power Plant.....	Power	75.00	11	5	36	Chase.....	Nov.	16	1911	1136
Frenchman R.....	Arterburn, E. E.....	Lincoln.....	Arterburn Reservoir.....	Irrig.	†1800AF	11	6	41	Chase.....	Nov.	28	1911	1142
Frenchman R.....	Bishop, Stephen S., Estate	Lincoln.....	Inman Reservoir.....	Irrig.	†2000AF	17	6	40	Chase.....	Dec.	8	1911	1145
Frenchman R.....	Oliver Brothers.....	Wauneta.....	Oliver Power Plant.....	Power	50.00	7	5	35	Hayes.....	Apr.	28	1913	1284
Frenchman R.....	Oliver Brothers.....	Wauneta.....	Oliver Power Plant.....	Rs dam A-1284		7	5	35	Hayes.....	Jan.	16	1929	2061
Frenchman R.....	Oliver Brothers.....	Wauneta.....	Oliver Canal.....	Irrig.	3.20	7	5	35	Hayes.....	Apr.	28	1913	1285
Frenchman R.....	Krotter, F. C., Estate	Palisade.....	Krotter Power Plant.....	Power	65.00	35	5	34	Hayes.....	Dec.	2	1913	1339
Frenchman R.....	Village of Imperial.....	Imperial.....	Imperial Power Plant	Power	55.00	25	6	39	Chase.....	Feb.	7	1917	1474
Frenchman R.....	Shallenberger, Mrs. O. P.	Imperial.....	Lake Imperial.....	Storage	†960AF	25	6	39	Chase.....	May	14	1917	1487
Frenchman R.....	Riverside Ditch Co.....	Culbertson.....	Riverside Canal.....	Irrig.	2.90	33	4	32	Hitchcock.....	July	3	1922	1674
Frenchman R.....	Severns, Fred.....	Palisade.....	Severns Pump.....	Irrig.	2.01	9	4	33	Hitchcock.....	Sept.	11	1926	1856
Frenchman R.....	Krotter, F. C., Estate	Palisade.....	Krotter-Imperial Res.	Irrig.	†7000AF	3	5	38	Chase.....	Feb.	10	1928	1979
Frenchman R.....	Krotter, F. C., Estate	Palisade.....	Krotter-Imperial Power Plant	Power	50.00	3	5	38	Chase.....	Feb.	10	1928	1980
Frenchman R.....	Krotter, F. C., Estate	Palisade.....	Follett-Krotter Ext.....	Irrig.	2.98	35	5	34	Hayes.....	Jan.	6	1933	2294
Frenchman R.....	Grosbach, H. H. and Rose	Wauneta.....	Harlan Canal.....	Irrig.	1.26	32	6	37	Chase.....	July	11	1933	2331
Frenchman R.....	Grosbach & Williams	Wauneta.....	Grosbach-Williams Power Plant	Power	75.00	5	5	37	Chase.....	July	27	1933	2338
Frenchman R.....	Grimm, Fred R.....	Wauneta.....	Grimm Pumps.....	Irrig.	1.19	15	5	35	Hayes.....	Apr.	25	1935	2542
Frenchman R.....						16	5	35					
Frenchman R.....						22	5	35					
Frenchman R. and Springs (Hoffmeister Reservoir)	Hoffmeister, Geo.....	Imperial.....	Hoffmeister Reservoir	Irrig.	†100AF	31	6	38	Chase.....	Mar.	13	1936	2570
	Hoffmeister, Geo.....	Imperial.....	Hoffmeister Reservoir Canal	Irrig.		30	6	38	Chase.....	Mar.	13	1936	2575
Frenchman R.....	Krausnick, Fred W.....	Wauneta.....	Krausnick Pump.....	Irrig.	.56	3	5	37	Chase.....	Mar.	2	1937	2705
Frenchman R.....	Wise, Emma J.....	Palisade.....	Wise Pump.....	Irrig.	1.38	22	5	35	Hayes.....	Aug.	10	1937	2722
Frenchman R.....	Witt and Follett.....	Palisade.....	Follett-Witt Pump.....	Irrig.	.46	35	5	34	Hayes.....	Nov.	20	1937	2805
Frenchman R.....	Hoffmeister, Chas.....	Imperial.....	Hoffmeister Reservoir	Resort		24	6	40	Chase.....	Jan.	21	1938	2829*
Frenchman R.....	Severns, U. S.....	Palisade.....	Severns Pump.....	Irrig.	.91	9	4	33	Hitchcock.....	Mar.	15	1938	2847
Frenchman R.....	Oliver Brothers.....	Wauneta.....	Oliver Pump.....	Irrig.	.35	16	5	35	Hayes.....	Apr.	2	1938	2858

"O. D." Denotes optional diversion.
 †Represents reservoir capacity alleged by applicant.
 *Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued.

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Frenchman R.....	Sims, Guy R. and Engell, J. B.	Wauneta.....	Engell-Sims Pump.....	Irrig.	1.23	17	5	35	Hayes.....	Feb.	9	1939	.....	2908
Frenchman R.....	Gruver, Clyde L.....	Palisade.....	Gruver Pump.....	Irrig.	1.03	5	4	33	Hitchcock.....	Feb.	27	1939	.....	2910
Frenchman R.....	Handel, Raymond J.....	Palisade.....	Handel Pump.....	Irrig.	1.35	8	4	33	Hitchcock.....	Mar.	11	1940	.....	3112
Ground Water..	Krotter, F. C., Estate	Palisade.....	Krotter Well No. 1....	Irrig.	.36	5	34	Hayes.....	May	6	1938	.....	2872*	
			Krotter Well No. 2....	Irrig.										1	4	34	Hitchcock.....
Ground Water..	Rice, Floyd W.....	Palisade.....	Rice Well.....	Irrig.	.34	5	34	Hayes.....	Oct.	8	1938	.....	2889*	
Ground Water..	Ashmore, Hugh B.....	Palisade.....	Ashmore Well.....	Irrig.	.25	5	34	Hayes.....	Mar.	11	1940	.....	3113*	
Ground Water..	Bauerle, William.....	Trenton.....	Baurele Well.....	Irrig.	.34	3	32	Hitchcock.....	June	3	1940	.....	3170*	
Ground Water..	Lichty, Nettie Grable	Republican City	Grable Well.....	Irrig.	.13	1	18	Harlan.....	Aug.	21	1940	.....	3237*	
Horse Creek.....	Pringle, Geo. N.....	Parks.....	Horse Creek Canal....	Irrig.	1.86	23	1	39	Dundy.....	Aug.	31	1885	159 } 173 }	..... .....
Horse Creek, Tributary to	Pringle, Geo. N.....	Parks.....	Pringle Canal.....	Irrig.	1.57	14	1	39	Dundy.....	May	11	1906	.....	824
‡Indian Creek....	Thompson, R. P. et al.	Benkelman.....	Thompson-Van Sickle Canal	Irrig.	.93	8	2	37	Dundy.....	June	20	1895	.....	237
Indian Creek....	Chamberlain, J. C.....	Mt. Sterling, Illinois.	Chamberlain Canal....	Irrig.	.06	18	2	36	Dundy.....	Oct.	4	1895	.....	240
Indian Creek....	Foster, Chas.....	Max.....	Wilson Canal.....	Irrig.	1.42	23	2	36	Dundy.....	June	22	1895	.....	268
Indian Creek....	Daniels, E. E.....	Max.....	Daniels Canal.....	Irrig.	.03	23	2	36	Dundy.....	Sept.	9	1926	.....	1854
Indian Creek....	Gardner, W. A.....	Max.....	Gardner Pump.....	Irrig.	.56	18	2	36	Dundy.....	Apr.	2	1938	.....	2859
Indian Creek....	Phillips, Daniel.....	Red Cloud.....	Phillips Pump.....	Irrig.	2.21	21	2	11	Webster.....	Jan.	9	1926	.....	1791
Indian Creek....	Ramey, O. E.....	Red Cloud.....	Ramey Pump.....	Irrig.	3.87	20	2	11	Webster.....	Jan.	19	1926	.....	1792
Macklin Creek..	Bradley, Francis E.....	Trenton.....	Bradley Pump.....	Irrig.	.36	1	2	34	Hitchcock.....	Mar.	7	1928	.....	1989
Macklin Creek..	Thuman, A.....	Trenton.....	Cemer Pump.....	Irrig.	.09	36	3	34	Hitchcock.....	Mar.	28	1928	.....	1992
Mauer Springs..	C. B. & Q. R. R. Co.	Lincoln.....	Burlington Pipe Line..	Dom.	1.48	23	2	11	Webster.....	Nov.	28	1911	.....	1143

Indian Creeks in Dundy and Webster Counties are separate streams.

Medicine Creek..	Gold Coin Mills.....	Cambridge..	Cambridge Mill.....	Power	68.00	29	4	25	Furnas.....	Dec.	31	1878	92-93	.....
Medicine Creek..	Cambridge-Arapahoe Irrig. and Improv- ment Co.	Arapahoe.....	Cambridge-Arapahoe Canal	Irrig.	170.00	29	4	25	Furnas.....	Aug.	26	1891	89	.....
Medicine Creek..	Reed, Martha.....	Stockville..	Sanders Canal.....	Irrig.	1.43	27	7	27	Frontier.....	Feb.	8	1895	83	.....
Medicine Creek..	Crete Mills.....	Curtis.....	Curtis Lake.....	Power		32	8	28	Frontier.....				364*	.....
Medicine Creek..	Maywood Mill Co.....	Maywood.....	Maywood Mills.....	Power	11.88	16	8	29	Frontier.....	May	4	1907	858	.....
Medicine Creek..	Nelson, Elmer F.....	Holdrege..	Nelson Pump.....	Irrig.	.61	21	8	29	Frontier.....	Oct.	2	1926	1865	.....
Medicine Creek..	Game, Forestation & Parks Commission	Lincoln.....	Wellfleet Dam.....	Resort	†80AF	16	9	30	Lincoln.....	June	15	1931	2210	.....
Medicine Creek..	United Public Power and Irrig. District	Cambridge..	Medicine Creek Canal	Irrig.		20	4	25	Furnas.....	Jan.	27	1937	2686*	.....
Medicine Creek..	United Public Power and Irrig. District	Cambridge..	Medicine Creek Res..	I. & P.		25	5	26	Frontier.....	Jan.	27	1937	2687*	.....
Medicine Creek..	Towne, W. E.....	Maywood.....	Towne Pump.....	Irrig.	.59	26	8	29	Frontier.....	Feb.	6	1940	3088	.....
Medicine Creek..	Compton, C. H.....	Cambridge..	Compton Pump.....	Irrig.	.67	24	5	26	Frontier.....	May	14	1940	3158	.....
Medicine Creek..	Tridle, R. D.....	Freedom.....	Tridle Pumps.....	Irrig.	.70	34	6	26	Frontier.....	June	4	1940	3173	.....
						2	5	26						
Medicine Creek..	Towne, W. E.....	Maywood.....	Towne Pump.....	Irrig.	.15	26	8	29	Frontier.....	July	11	1940	3197	.....
Muddy Creek....	Larson, Oscar F.....	Arapahoe..	Larson Pump.....	Irrig.	3.53	17	4	23	Furnas.....	Feb.	9	1927	1898	.....
Muddy Creek....	Michel, Geo. N.....	Arapahoe..	Michel Pump.....	Irrig.	.29	15	4	23	Furnas.....	Oct.	13	1928	2042	.....
Prairie Dog Cr.	Feese, C. A.....	Alma.....	Feese Pump No. 1.....	Irrig.	.69	24	1	18	Harlan.....	Aug.	2	1937	2768	.....
			Feese Pump No. 2.....	Irrig.	.44	25	1	18						
Prairie Dog Cr.	Seyler, Lew.....	Alma.....	Seyler Pump.....	Irrig.	.50	33	1	18	Harlan.....	Sept.	13	1937	2786	.....
Prairie Dog Cr.	Stolts, Carrol.....	Republican City	Stolts Pump.....	Irrig.	.39	24	1	18	Harlan.....	Aug.	2	1939	2946	.....
Prairie Dog Cr.	Kauk Fred.....	Alma.....	Kauk Pump.....	Irrig.	.29	32	1	18	Harlan.....	Aug.	7	1939	2948	.....
Prairie Dog Cr.	McCleery, Winifred W.	Alma.....	McCleery Pumps.....	Irrig.	.44	31	1	18	Harlan.....	Nov.	6	1939	3010	.....
Prairie Dog Cr.	Lethem, John R.....	Republican City	Lethem Pumps.....	Irrig.	.33	24	1	18	Harlan.....	Dec.	12	1939	3046	.....
Prairie Dog Cr.	Kauk, Wm.....	Alma.....	Kauk Pump.....	Irrig.	.19	28	1	18	Harlan.....	Jan.	19	1940	3078	.....
Prairie Dog Cr.	Stone, Earl D.....	Republican City	Stone Pumps.....	Irrig.	.58	23	1	18	Harlan.....	Mar.	4	1940	3103	.....
Prairie Dog Cr.	Thompson, Eva M.....	Alma.....	Thompson Pumps.....	Irrig.	.31	34	1	18	Harlan.....	Mar.	4	1940	3104	.....

*Application pending or claim not adjudicated
†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provis- ional Grant in Sec.-ft.	Location of Division or dam			Date of Priority			Doc. No.	App. No.		
						S	T	R	County		Mo.			D	Yr.
Prairie Dog Cr.	Beyer, Freda..... Waldo, Cartha.....	Alma..... Republican City	Waldo-Beyer Pump.....	Irrig.		23	1	18	Harlan.....	Sept.	5	1940	.....	3256*
Prairie Dog Cr. Tributary to....	Kauk, Fred.....	Alma.....	Kauk Canal.....	Irrig.	.22	29	1	18	Harlan.....	Dec.	12	1939	.....	3047
Red Willow Cr.	Cooper, Jas.....	Wallace.....	Red Willow Canal.....	Irrig.	2.00	36	9	33	Lincoln.....	Dec.	20	1893	647	.....
Red Willow Cr.	Helm, John F.....	McCook.....	Helm Canal.....	Irrig.	.93	8	3	28	Red Willow..	Dec.	5	1910	.....	1042
Red Willow Cr.	Hadley, Flora B.....	McCook.....	Hadley Canal.....	Irrig.	8.43	16	3	28	Red Willow..	Oct.	22	1927	.....	1964
Red Willow Cr.	Fitzgerald, Elmer.....	HayesCenter	Fitzgerald Pump.....	Irrig.	.57	21	8	32	Hayes.....	July	27	1934	.....	2447
Red Willow Cr.	Kelley, Charles W.....	McCook.....	Kelly Pump Canal.....	Irrig.		16	5	30	Frontier.....	Dec.	20	1938	.....	2901*
Red Willow Cr.	Bortner, Wm.....	St. Ann.....	Bortner Pump.....	Irrig.	.57	28	5	30	Frontier.....	July	21	1939	.....	2938
Red Willow Cr.	Walker, Chas.....	St. Ann.....	Walker Pump.....	Irrig.	.81	9	6	31	Hayes.....	Dec.	6	1939	.....	3037
Red Willow Cr.	Quick, Merritt W.....	Quick.....	Quick Pump.....	Irrig.	.76	31	5	29	Frontier.....	Jan.	22	1940	.....	3082
Red Willow Cr.	McKillip, A. P.....	HayesCenter	McKillip Pump.....	Irrig.	.97	22	6	31	Hayes.....	Mar.	9	1940	.....	3111
Red Willow Cr.	Bortner, Wm.....	St. Ann.....	Bortner Pump.....	Irrig.	.18	21	5	30	Frontier.....	Mar.	12	1940	.....	3114
Red Willow Cr.	Hill, Howard W.....	HayesCenter	Hill Pump.....	Irrig.	.23	27	6	31	Hayes.....	Mar.	28	1940	.....	3124
Republican R....	Southern Nebraska Power Company	Superior.....	Guthrie Canal.....	Power	400.00	34	1	7	Nuckolls.....	Sept.	1	1877	1036	.....
Republican R....	Western Public Ser- vice Company	Scottsbluff..	Arapahoe Star Mills.	Power	196.00	27	4	23	Furnas.....	July	24	1879	1029	.....
Republican R....	Kirtland, E. S.....	Orleans.....	Orleans Mill and Elev.	Power		27	2	19	Harlan.....	.....	.....	.....	.....	1043*
Republican R....	Carson, A.....	McCook.....	Carson Canal No. 1.	Irrig.	1.43	27	3	30	Red Willow..	July	1	1888	103	.....
Republican R....	Pioneer Irrig Co.....	Haigler.....	Haigler Canal.....	Irrig.	27.00	2	1	43	Yuma, Colo..	Apr.	4	1890	1025	.....
Republican R....	Pioneer Irrig. District	Haigler.....	Haigler Canal.....	Irrig.	±50.00	2	1	43	Yuma, Colo..	Apr.	4	1890	1025	.....
Republican R....	Brown, W. A.....	Haigler.....	Sand Point Canal.....	Irrig.	11.00	11	1	42	Dundy.....	Sept.	25	1890	115	.....
Republican R....	Dundy County Irrig. Company	Benkelman..	Dundy County Canal..	Irrig.	45.00	24	1	39	Dundy.....	Nov.	22	1890	118	.....
Republican R....	Trite, W. H., et al.....	Culbertson..	Trite-Davenport Canal	Irrig.	7.00	20	3	31	Hitchcock....	Dec.	18	1890	3	.....
Republican R....	McCook Ditch Co.....	McCook.....	Meeker Canal.....	Irrig.	143.00	15	3	31	Hitchcock....	Dec.	22	1890	4-9	.....
Republican R....	Trenton Farmers Irrig. Association	Trenton.....	Trenton Canal.....	Irrig.	32.00	10	2	34	Hitchcock....	Dec.	24	1890	5	.....

Republican R.....	Carson, A.....	McCook.....	Carson Canal No. 2.....	Irrig.	18.00	27	3 30	Red Willow.....	May	5	1891	102	.....
Republican R.....	Neighbors, E. G.....	Benkelman.....	Neighbors Canal.....	Irrig.	2.86	24	1 39	Dundy.....	Mar.	18	1891	133	.....
Republican R.....	Republican Irrig. Co.....	Benkelman.....	Republican R. Canal.....	Irrig.	30.00	29	1 38	Dundy.....	May	2	1892	147	.....
Republican R.....	Larned, W. H., et al.....	Haigler.....	White-Larned Canal.....	Irrig.	3.00	22	1 40	Dundy.....	Apr.	29	1893	150	.....
Republican R.....	Marr, Lorenzo.....	Culbertson.....	Marr Canal.....	Irrig.	4.29	16	3 31	Hitchcock.....	Jan.	22	1891	11	.....
Republican R.....	Anderson, Anders.....	Max.....	Anderson Canal.....	Irrig.	1.90	1	1 37	Dundy.....	Jan.	26	1894	151	.....
Republican R.....	Thomas, A. J.....	Haigler.....	Thomas Canal.....	Irrig.	2.00	23	1 40	Dundy.....	June	5	1894	154	.....
Republican R.....	Ballard, Henry L.....	Oxford.....	Ballard Canal.....	Irrig.	8.00	8	3 21	Furnas.....	June	9	1894	91	.....
Republican R.....	Wilcox, F. S.....	McCook.....	Wilcox Canal.....	Irrig.	4.50	32	3 29	Red Willow.....	Oct.	4	1894	109	.....
Republican R.....	Delaware-Hickman Ditch Company	Benkelman.....	Delaware-Hickman Canal	Irrig.	20.00	17	1 37	Dundy.....	Jan.	7	1895	157	.....
Republican R.....	Allen, E. M. et al	Arapahoe.....	Allen Canal.....	Irrig.	14.00	2	3 26	Red Willow.....	Jan.	26	1895	110	.....
Republican R.....	Spooners, J. A.....	Parks.....	Private Canal.....	Irrig.	1.00	25	1 40	Dundy.....	Oct.	7	1897	413	.....
Republican R.....	Hamilton, Henry L.....	McCook.....	Harmon Pond.....	Ice	10.00	32	3 29	Red Willow.....	Jan.	22	1900	535	.....
Republican R.....	Walsh, Patrick.....	McCook.....	Walsh Canal.....	Irrig.	11.00	35	3 30	Red Willow.....	Jan.	31	1900	537	.....
Republican R.....	Rogers, W. N.....	McCook.....	Shadeland Park Canal	Irrig.	38.00	26	3 29	Red Willow.....	Jan.	3	1911	1049	.....
Republican R.....	McConnell Brothers.....	Trenton.....	McConnell Canal.....	Irrig.	180.00	10	2 34	Hitchcock.....	Jan.	23	1911	1055	.....
Republican R.....	Hurst, J. C., et al.....	Trenton.....	Hurst-Day Canal.....	Irrig.	7.00	28	2 35	Hitchcock.....	Mar.	2	1911	1068	.....
Republican R.....	Cappel, Geo.....	McCook.....	Cappel Canal.....	Irrig.	1.57	19	3 30	Red Willow.....	May	1	1911	1093	.....
Republican R.....	Rogers, W. N.....	McCook.....	Shadeland Park Canal	Irrig.	7.00	25	3 29	Red Willow.....	Sept.	28	1911	1129	.....
Republican R.....	Anderson, Christen, et al	Benkelman.....	Cottonwood Canal.....	Irrig.	3.35	6	1 36	Dundy.....	Feb.	19	1912	1172	.....
Republican R.....	Rupert Ditch Co.....	Culbertson.....	Rupert Canal.....	Irrig.	20.00	32	3 32	Hitchcock.....	Apr.	19	1912	1192	.....
Republican R.....	Pringle, Geo. N.....	Parks.....	Parks Canal.....	Irrig.	16.00	20	1 39	Dundy.....	June	18	1912	1202	.....
Republican R.....	Bartlett, Wm. C.....	Alma.....	Lake Disappointment	Resort	+60AF	32	2 18	Harlan.....	Dec.	18	1915	1442	.....
Republican R.....	Everson, P. M. and Mitchell, J. C.	Alma.....	Everson Canal.....	Irrig.	1.07	13	2 18	Harlan.....	Dec.	18	1915	1443	.....
Republican R.....	Pringle, Geo. N.....	Farks.....	Parks Canal.....	Irrig.	2.00	20	1 39	Dundy.....	Dec.	31	1915	1444	.....
Republican R.....	Pringle, Geo. N.....	Parks.....	Parks Extension.....	Irrig.	1.14	20	1 39	Dundy.....	Sept.	5	1919	1555	.....
Republican R.....	Ham, Roy A.....	Benkelman.....	Ham Canal.....	Irrig.	3.47	9	1 37	Dundy.....	Sept.	14	1921	1618	.....
Republican R.....	Campbell, W. E.....	Trenton.....	Campbell Canal.....	Irrig.	9.27	9	2 34	Hitchcock.....	Nov.	26	1921	1627	.....
Republican R.....	Crews, L. E.....	Haigler.....	Crews Canal No. 2.....	Irrig.	2.59	20	1 41	Dundy.....	Mar.	29	1923	1709	.....
Republican R.....	Luther, Walter.....	Cambridge.....	Dunlay Pump.....	Irrig.	5.00	26	2 19	Harlan.....	July	8	1925	1768	.....
Republican R.....	Fischbach, Geo.....	Crleans.....	Fischbach Pump.....	Irrig.	1.58	33	2 19	Harlan.....	Aug.	27	1925	1778	.....
Republican R.....	Stevenson, L. E. Est.	Alma.....	Stevenson Pump.....	Irrig.	6.34	5	1 18	Harlan.....	Sept.	30	1925	1781	.....

DEPARTMENT OF ROADS AND IRRIGATION

*Application pending or claim not adjudicated.
 †Amount affirmed by U. S. Supreme Court; 35.00 second-feet for Nebraska; 15.00 second-feet for Colorado.
 ‡Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in	Location of Diversion or dam			Date of Priority		Doc. No.	App. No.
						Sec.-ft.	S	T	R	County			Mo.	D	Yr.
Republican R.....	Drummond, Dean.....	Republican City	Drummond Pump.....	Irrig.	2.37	11	1	17	Harlan.....	Oct. 13	1925	1782
Republican R.....	Scott, C. E.....	Alma.....	Scott Pump.....	Irrig.	3.37	36	2	19	Harlan.....	Dec. 22	1925	1789
Republican R.....	Haeker, K. G.....	Alma.....	Haeker Pump.....	Irrig.	4.60	35	2	19	Harlan.....	Mar. 2	1926	1798
Republican R.....	Peterson, Elam.....	Orleans.....	Republican Valley Pump	Irrig.	2.06	27	3	20	Harlan.....	June 18	1926	1821
Republican R.....	Olson, L.....	Orleans.....	Lake View Project.....	Irrig.	1.15	27	3	20	Harlan.....	June 29	1926	1824
Republican R.....	Crews, L. E.....	Hajgler.....	Crews North Side Canal No. 3	Irrig.	4.00	20	1	45	Dundy.....	June 30	1926	1826
Republican R.....	Worden, Dorsey.....	Superior.....	Worden Pump.....	Irrig.	1.04	32	1	6	Nuckolls.....	Sept. 23	1926	1862
Republican R.....	Workman, Rich.....	Republican City	Workman Pump.....	Irrig.	1.10	16	1	17	Harlan.....	Jan. 19	1927	1886
Republican R.....	Sheffrey, C. E.....	Oxford.....	Sheffrey Pump.....	Irrig.	1.85	16	3	20	Harlan.....	Feb. 28	1927	1906
Republican R.....	Wintersteen, V. L.....	Republican City	Wintersteen Pump.....	Irrig.	.11	12	1	18	Harlan.....	Mar. 17	1927	1914
Republican R.....	Best, John H.....	Oxford.....	Best Pump.....	Irrig.	1.41	27	3	20	Harlan.....	June 30	1927	1936
Republican R.....	Wilson, J. F., Jr.....	Guide Rock.....	Wilson Pump.....	Irrig.	.57	14	1	9	Webster.....	July 8	1927	1937
Republican R.....	Romjue, Carl M.....	Red Cloud.....	Romjue Pump.....	Irrig.	2.03	12	1	11	Webster.....	Apr. 16	1928	2005
Republican R.....	Jansen, Wm.....	Superior.....	Jansen Pump.....	Irrig.	1.60	29	1	7	Nuckolls.....	May 14	1928	2017
Republican R.....	Runck, John J.....	Orleans.....	Runck Pumps.....	Irrig.	3.29	22	3	20	Harlan.....	Sept. 18	1928	2029
Republican R.....	Keifer, J. Warren, Jr.....	Bostwick.....	Keifer Canal No. 1.....	Irrig.	9.83	21	1	8	Nuckolls.....	Sept. 22	1930	2167
Republican R.....	Furry, Cameron J.....	Franklin.....	Furry Pumps.....	Irrig.	2.26	12	1	15	Franklin.....	Nov. 10	1930	2171
Republican R.....	Keifer, J. Warren, Jr.....	Bostwick.....	Keifer Canal No. 2.....	Irrig.	9.15	26	1	8	Nuckolls.....	Nov. 17	1930	2175
Republican R.....	Mendell, B. C.....	Superior.....	Mendell Canal.....	Irrig.	2.61	35	1	7	Nuckolls.....	Sept. 7	1932	2383
Republican R.....	Fischbach, Geo.....	Orleans.....	Fischbach Pump Ext.	Irrig.	.33	2	19		Harlan.....	Feb. 15	1933	2304
Republican R.....	Hill, Roy E.....	Edison.....	Hill Pump.....	Irrig.	1.86	33	4	22	Furnas.....	Mar. 29	1933	2314
Republican R.....	Arneson, F. L.....	Inavale.....	Valley Grove Pump.....	Irrig.	.97	2	1	12	Webster.....	Apr. 17	1933	2318
Republican R.....	Broeker, A. F.....	Edison.....	Broeker Pump.....	Irrig.	.57	33	4	22	Furnas.....	July 12	1933	2332
Republican R.....	Hall, Dorthy A.....	Hastings.....	Sherwood Pump.....	Irrig.	.97	12	3	21	Furnas.....	July 19	1933	2333
Republican R.....	Fritzer, G. E.....	Edison.....	Fritzer Pump.....	Irrig.	1.29	32	4	22	Furnas.....	Aug. 3	1933	2340
Republican R.....	Mayfield, L. L.....	Edison.....	Mayfield Pump.....	Irrig.	1.17	35	4	22	Furnas.....	June 8	1934	2403

Republican R.....	Best, John.....	Oxford.....	Best Pump.....	Irrig.	2.50	36	4	22	Furnas.....	Nov.	9	1934	.....	2492
Republican R.....	Warner, George.....	Edison.....	Warner Pumps.....	Irrig.	.57	1	3	22	Furnas.....	Jan.	28	1935	.....	2510
Republican R.....	Lideen, N. E.....	Orleans.....	Lideen Pump.....	Irrig.	.29	19	2	19	Harlan.....	Feb.	20	1935	.....	2516
Republican R.....	Williams, Joe F.....	Stratton.....	Williams Canal.....	Irrig.	.19	19	2	34	Hitcheock.....	May	1	1935	.....	2545*
Republican R.....	Fisher, Marshall.....	Edison.....	Fisher Pump.....	Irrig.	.32	36	4	22	Furnas.....	June	23	1936	.....	2583
Republican R.....	Republican River Public Power and Irrig. District	Bostwick.....	Republican River Canal No. 1	Irrig.	.11	1	1	17	Harlan.....	Feb.	1	1937	.....	2691*
			Republican River Canal No. 2	Irrig.	.5	1	1	13	Franklin.....					
			Republican River Canal No. 3	Irrig.	.8	1	9		Webster.....					
Republican R....	Republican River Public Power and Irrig. District	Bostwick.....	Republican City Res..	Irrig.	.14	1	1	17	Harlan.....	Feb.	1	1937	.....	2692*
Republican R.....	Lang, Alfred E.....	Indianola.....	Riverside Pump.....	Irrig.	.42	14	3	27	Red Willow.....	Feb.	16	1937	.....	2698
Republican R.....	French, J. A.....	Edison.....	French Pump.....	Irrig.	.39	6	3	21	Furnas.....	Feb.	25	1937	.....	2703
Republican R.....	Dick, Daniel B.....	Cambridge.....	Dick Pump.....	Irrig.	.26		4	25	Furnas.....	Mar.	24	1938	.....	2855*
Republican R.....	Andrews, Donald.....	Cambridge.....	Andrews Pump.....	Irrig.	.56	29	4	24	Furnas.....	Apr.	29	1938	.....	2867
Republican R.....	Kiehl, W. C., Estate.	Guide Rock.....	Kiehl Pump.....	Irrig.	.26	9	1	9	Webster.....	May	2	1939	.....	2919
Republican R.....	Mendell, B. C.....	Superior.....	Mendell Canal.....	Irrig.	.07	35	1	7	Nuckolls.....	July	13	1939	.....	2934
Republican R.....	Uplinger, Mabel E.....	Naponee.....	Uplinger Canal.....	Irrig.	.75	11	1	17	Harlan.....	Nov.	15	1939	.....	3019
Republican R.....	Dunn, Hiram J., and Chambers, Laura M.	Inavale.....	Chambers-Dunn Pump	Irrig.	.36	1	1	16	Franklin.....	Jan.	19	1940	.....	3079
Republican R.....	Kahrs, Charles E., and Lienemann, Elizabeth	Franklin.....	Kahrs-Lienemann Pump	Irrig.	.78	7	1	15	Franklin.....	Jan.	22	1940	.....	3081
Republican R.....	Martin, Morris G. and Ethel L.	Hastings.....	Martin Pump.....	Irrig.	.18	8	1	11	Webster.....	Mar.	13	1940	.....	3116
Republican R.....	Houchin, George.....	Red Cloud.....	Houchin Pump.....	Irrig.	.07	15	1	9	Webster.....	Apr.	5	1940	.....	3131
Republican R.....	Howell, Charles.....	Franklin.....	Howell Pump.....	Irrig.	.75	10	1	16	Franklin.....	Apr.	15	1940	.....	3134
Republican R.....	Reisher, Noah G.....	Benkelman.....	Reisher Pump.....	Irrig.	1.21	30	1	38	Dundy.....	July	29	1940	.....	3221
Republican R.....	Meyer, Ernst.....	Superior.....	Meyer Pump.....	Irrig.	.34	1	7		Nuckolls.....	Aug.	26	1940	.....	3240*
Republican R.....	Amack, Geo.....	Red Cloud.....	Amack Pump.....	Irrig.	.7	1	10		Webster.....	Aug.	28	1940	.....	3244*
Republican R.....	Auld, Jessica C.....	Palo Alto, Calif.	Auld-Crowell Pump....	Irrig.	.9	1	11		Webster.....	Aug.	31	1940	.....	3248*
Republican R.....	Stephenson, R. J.....	Superior.....	Stephenson Pump.....	Irrig.	.34	1	7		Nuckolls.....	Sept.	3	1940	.....	3252*

*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Republican R., Ravine Trib. to	Lueking, H. L.....	Edison.....	Lueking Reservoir.....	Irrig.	‡234AF	3	3	22	Furnas.....	Feb.	28	1940	.....	3098
Republican R., Ravine Trib. to	Paine, Clyde S.....	Edison.....	Paine Reservoir.....	Irrig.	‡420AF	21	4	22	Furnas.....	Apr.	18	1940	.....	3138
Republican R., South Fork	Karr, J. W.....	Benkelman...	Karr Canal.....	Irrig.	2.00	20	1	37	Dundy.....	July	28	1894	155	.....
Republican R., South Fork	Riverside Ditch Co...	Benkelman...	Riverside Canal.....	Irrig.	13.00	29	1	37	Dundy.....	Aug.	5	1894	156	.....
Republican R., South Fork	McDonald, J. A.....	Benkelman...	McDonald Canal.....	Irrig.	.79	36	1	38	Dundy.....	Nov.	13	1901	.....	644
Republican R., Springs, Tributary to	Pringle, Esther L.....	Parks.....	Pringle Canal.....	Irrig.	.57	11	1	39	Dundy.....	Jan.	12	1897	.....	364
Rock Creek.....	Barker, Charles C.....	Parks.....	Phelan Canal.....	Irrig.	4.29	17	1	39	Dundy.....	Dec.	31	1883	138	.....
Rock Creek.....	Owens, J. S., et al.....	Parks.....	Owens Canal.....	Irrig.	.36	31	2	39	Dundy.....	June	20	1895	.....	265
Rock Creek.....	Campbell, R. R.....	Parks.....	Rock Creek Canal.....	Irrig.	.33	13	2	40	Dundy.....	Dec.	18	1899	.....	526
Rock Creek.....	Benkelman Light Association	Benkelman...	Benkelman Power Plant	Power	20.00	8	1	39	Dundy.....	Nov.	30	1912	.....	1245
Rock Creek.....	Pringle, Geo. N.....	Parks.....	Parks Canal Ext.....	Supple.		17	1	39	Dundy.....	June	29	1921	.....	1609
Rock Creek.....	Barker, Charles C.....	Parks.....	Kara Lake Reservoir.....	Irrig.	‡50AF	17	1	39	Dundy.....	Oct.	31	1931	.....	2246
(Kara Lake Reservoir)	Barker, Charles C.....	Parks.....	Kara Supply Canal.....	Irrig.		20	1	39	Dundy.....	Oct.	31	1931	.....	2480
Rock Creek.....	Game, Forestation & Parks Commission	Lincoln.....	Rock Creek Lake.....	Fish	‡215AF	6	1	39	Dundy.....	Feb.	28	1934	.....	2366
Rock Canyon Creek	Stonberg, Sanford.....	Max.....	Stonberg Canal.....	Irrig.	1.00	2	2	37	Dundy.....	Mar.	13	1911	.....	1070
Rock Canyon Creek	Rudisell, L. C.....	Benkelman...	Rudisell Dam.....	Fish	‡5AF	35	3	37	Dundy.....	Nov.	26	1927	.....	1970
Sacramento Cr.	Davidson, Martin E.....	Holdrege.....	Davidson Pump.....	Irrig.	.50	12	5	18	PHELPS.....	June	12	1937	.....	2753
Sanna Creek.....	Zulauf, Geo. W.....	Stamford.....	Stamford Mills.....	Power		21	2	20	Harlan.....				997*	.....

Sappa Creek.....	Fults, J. F.....	Stamford.....	Floome Pump.....	Irrig.	1.55	19	2	20	Harlan.....	Sept.	9	1926	1855
Sappa Creek.....	Winslow, Mrs. Orin E.	Beaver City.	Fults Pump.....	Irrig.	1.48	13	1	23	Furnas.....	Apr.	6	1927	1922
Sappa Creek.....	Johnson, Edw. E.....	Orleans.....	Winslow Pump.....	Irrig.	.86	15	1	22	Furnas.....	Feb.	10	1932	2252
Sappa Creek	Beaver-Sappa Public	Cambridge.....	Sappa Valley Pump.....	Irrig.	1.09	24	2	20	Harlan.....	May	23	1934	2385
(See Beaver Cr)	Power and Irrig.		South Sappa Canal.....	Irrig.		18	1	22	Furnas.....	Dec.	14	1936	2671b*
	District		North Sappa Canal.....	Irrig.		18	1	22	Furnas.....				
Sappa Creek	Beaver-Sappa Public	Cambridge.....	Spring Green Lake	I. & P.		19	1	22	Furnas.....	Dec.	14	1936	2672b*
(See Beaver Cr)	Power and Irrig.		Reservoir										
	District												
Sappa Creek.....	Caffrey, E. F.....	Omaha.....	Caffrey Pump.....	Irrig.	.76	22	2	20	Harlan.....	Aug.	1	1939	2945
Sappa Creek.....	Lubeck, John C.....	Stamford.....	Lubeck Pump.....	Irrig.	.46	23	2	20	Harlan.....	Aug.	14	1939	2951
Sappa Creek.....	Collins, Horace.....	Wilsonville.....	Collins Pump.....	Irrig.	.25	30	1	23	Furnas.....	Feb.	17	1940	3091
Sappa Creek.....	Gerd, Albin, Estate.....	Stamford.....	Gerd Pump.....	Irrig.	.13	35	2	21	Furnas.....	Feb.	26	1940	3095
Sappa Creek.....	Brown, Floyd T.....	Stamford.....	Brown Pump.....	Irrig.	.35	9	1	21	Furnas.....	Mar.	6	1940	3109
Sappa Creek.....	Smith, Otto.....	Stamford.....	Smith Pump.....	Irrig.	.60	19	2	20	Harlan.....	May	4	1940	3148
Sappa Creek.....	Burt, Maude T.....	Stamford.....	Burt Pump.....	Irrig.	1.22	34	2	21	Furnas.....	Sept.	21	1940	3271
Sappa Creek,	Gerd, Clarence.....	Stamford.....	Gerd Reservoir.....	Irrig.	†54AF	34	2	21	Furnas.....	Feb.	29	1940	3099
Ravine Trib-													
utary to													
School Creek	Sughrone, Edward.....	Indianola.....	Sughrone Pump.....	Irrig.	.32	15	3	27	Red Willow.	Aug.	16	1932	2280
(See Berger Cr.)													
Spring Creek.....	Carlton, J. C.....	Benkelman.....	Benkelman Canal.....	Irrig.	1.29	19	1	37	Dundy.....	Dec.	31	1896	373
Spring Creek.....	Twin Lakes Co.....	Benkelman.....	Twin Lakes Res.....	Resort	†7AF	34	2	38	Dundy.....	Apr.	16	1930	2133
†Spring Creek.....	Sindt, Henry.....	Naponee.....	Sindt Pumps.....	Irrig.	1.00	18	2	16	Franklin.....	July	30	1926	1838
Spring Creek.....	Sindt, Albert.....	Naponee.....	Spring Creek Canal.....	Irrig.	.27	17	2	16	Franklin.....	Jan.	14	1939	2906
Stinking Water	Kilpatrick Brothers.....	Beatrice.....	Chase County Land	Irrig.	2.86	10	7	38	Chase.....	Mar.	10	1894	57
Creek			and Live Stock										
			Canal										
Stinking Water	Crandall and Taylor.....	Imperial.....	McLain Canal.....	Irrig.	2.50	28	7	37	Chase.....	Sept.	24	1894	65
Creek													
Stinking Water	Kilpatrick Brothers.....	Beatrice.....	Chase County Land	Irrig.	4.57	36	7	37	Chase.....	Dec.	21	1894	72
Creek			and Live Stock										
			Canal No. 7										175

†Represents reservoir capacity alleged by applicant.

*Application pending or claim not adjudicated

†Spring Creeks in Dundy and Franklin Counties are separate streams.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Concluded.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Stinking Water Creek	Kilpatrick Brothers...	Beatrice.....	Chase County Land and Live Stock Canal No. 6	Irrig.	2.00	13	7	38	Chase.....	Jan.	28	1895	76	.....
Stinking Water Creek	Kilpatrick Brothers...	Beatrice.....	Chase County Land and Live Stock Canal No. 5	Irrig.	1.50	14	7	38	Chase.....	Jan.	29	1895	77	.....
Stinking Water Creek	Kilpatrick Brothers...	Beatrice.....	Chase County Land and Live Stock Canal No. 3	Irrig.	1.71	14	7	38	Chase.....	Jan.	29	1895	78	.....
Stinking Water Creek	Kilpatrick Brothers...	Beatrice.....	Chase County Land and Live Stock Canal No. 4	Irrig.	.91	14	7	38	Chase.....	June	27	1895	.....	56
Stinking Water Creek	Kilpatrick Brothers...	Beatrice.....	Chase County Land and Live Stock Canal No. 1	Irrig.	.70	4	7	38	Chase.....	June	27	1895	.....	57
Stinking Water Creek	Krotter, F. C., Estate	Palisade.....	Krotter Canal.....	Irrig.	3.00	25	5	34	Hayes.....	Dec.	15	1910	.....	1046
Stinking Water Creek	Nutzman, O. E.....	Palisade.....	Nutzman Pump.....	Irrig.	.95	15	5	34	Hayes.....	Oct.	5	1939	.....	2981
Stinking Water Creek	Nutzman, O. E.....	Palisade.....	Nutzman Pump.....	Irrig.	.36	15	5	34	Hayes.....	Apr.	15	1940	.....	3136
Thompson Cr.....	Ziegler, J. and O.....	Riverton.....	Ziegler Pump.....	Irrig.	.73	27	2	13	Franklin.....	Jan.	16	1935	.....	2505
Thompson Cr.....	Eshelman, C. F.....	Riverton.....	Eshelman Pump.....	Irrig.	.06	10	2	13	Franklin.....	June	6	1935	.....	2550
Thompson Cr., North Springs, Tributary to	Eshelman, C. F.....	Riverton.....	North Spring Canal	Irrig.	.09	10	2	13	Franklin.....	July	27	1932	.....	2278
‡Turkey Creek...	Leising, Carl.....	Oxford.....	Carpenter Canal.....	Irrig.	.71	30	4	21	Furnas.....	Sept.	18	1926	.....	1861
Turkey Creek...	Watson, John W. E., Estate	Oxford.....	Watson Pump.....	Irrig.	2.80	31	4	21	Furnas.....	Nov.	30	1926	.....	1876

Turkey Creek....	The Imperial Council of the Ancient Arab- ic Order of the Nobles of the Mystic Shrine for North America	Kansas City Missouri	Johnson Pump.....	Irrig.	1.18	5	3	21	Furnas.....	May	30	1927	.....	1934
Turkey Creek....	Wengert, J. H.....	Oxford.....	Wengert Pump.....	Irrig.	.94	4	3	21	Furnas.....	July	9	1927	.....	1938
Turkey Creek....	Wilt and Polly.....	Naponee.....	Wilt and Polly Canal	Power		4	1	16	Franklin.....	Dec.	31	1874	183*	.....
Turkey Creek....	Post, Walter A.....	Naponee.....	Post Pump.....	Irrig.	1.90	8	1	16	Franklin.....	May	27	1927	.....	1933
Turkey Creek....	Post, Walter A.....	Naponee.....	Post Pump.....	Irrig.	.79	8	1	16	Franklin.....	Aug.	21	1936	.....	2621
Turkey Creek....	Larick, Joseph A., et al	Franklin.....	Post Pump.....	Irrig.	1.11	8	1	16	Franklin.....	Aug.	21	1936	.....	2622
Turkey Creek....	Sindt, Karl.....	Naponee.....	Karl Sindt Pump No. 1	Irrig.	.26	19	2	16	Franklin.....	Dec.	20	1939	.....	3063
Turkey Creek....	Ray, Staque.....	Naponee.....	Ray Pump.....	Irrig.	.33	4	1	16	Franklin.....	July	25	1940	.....	3216
Valley Home Cr (Lunt Res.).....	Lunt, W. A.....	Superior.....	Lunt Reservoir.....	Irrig.	+100AF	28	1	6	Nuckolls.....	Nov.	19	1930	.....	2176
	Lunt, W. A.....	Superior.....	Lunt Reservoir Canal	Irrig.		28	1	6	Nuckolls.....	Nov.	19	1930	.....	2201
Vining Creek	Betts, Mrs. N. O.....	Franklin.....	James Canal.....	Irrig.	.36	28	2	15	Franklin.....	Feb.	28	1935	.....	2521
Vining Creek.....	Betts, Mrs. N. O.....	Franklin.....	James Reservoir.....	Irrig.	+22AF	28	2	15	Franklin.....	Sept.	28	1935	.....	2559
(James Res.).....	Betts, Mrs. N. O.....	Franklin.....	James Canal.....	Irrig.		28	2	15	Franklin.....	Sept.	28	1935	.....	2719
Wasp Creek....	Osterbuhr, E. O.....	Franklin.....	Osterbuhr Canal.....	Irrig.	.18	28	2	14	Franklin.....	June	28	1940	.....	3192

*Claim not adjudicated.

+Represents reservoir capacity alleged by applicant.

‡Turkey Creeks in Furnas and Franklin Counties are separate streams.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-C

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Babcock Creek..	United States of America	Washington, D. C.	Rural Rehabilitation Project No. 1	Irrig.	34	25	2	2E	Jefferson.....	Aug.	18	1934	.....	2466
Blue River Lit.	Southern Nebraska Power Company	Superior.....	Oak Mill Race.....	Power		16	3	5	Nuckolls.....				991*	.....
Blue River Lit.	Game, Forestation & Parks Commission	Lincoln.....	Crystal Lake.....	Ice	†32A	F27	6	10	Adams.....	Aug.	17	1912	.....	1219
(Crystal Lake Reservoir)	Game, Forestation & Parks Commission et al	Lincoln.....	Crystal Lake.....	Irrig.		27	6	10	Adams.....	Aug.	17	1912	.....	1526
Blue River, Lit.	Lyon, Geo., Jr.....	Nelson.....	Lyon Power Plant.....	Power	150.00	29	4	6	Nuckolls.....	Apr.	26	1915	.....	1410
Blue River, Lit.	Lyon, Geo., Jr.....	Nelson.....	Lyon Canal.....	Irrig.	4.00	18	4	6	Nuckolls.....	Apr.	26	1915	.....	1411
Blue River, Lit.	Southern Nebraska Power Company	Superior.....	Meyer Power Plant.....	Power	150.00	16	3	5	Nuckolls.....	July	27	1916	.....	1467
Blue River, Lit.	Bozarth-Carter	Hebron.....	Hebron Power Plant.....	Power	216.00	9	2	2	Thayer.....	Mar.	31	1919	.....	1538
Blue River, Lit.	Campbell, J. T.....	Hebron.....	Blue Valley Plant.....	Power	200.00	3	2	1	Thayer.....	May	28	1919	.....	1542
Blue River, Lit.	Game, Forestation & Parks Commission	Lincoln.....	Larkins Canal.....	Power	1.50	27	6	10	Adams.....	Nov.	29	1920	.....	1594
Blue River, Lit.	Hurlburt, Chas. M.....	Fairbury.....	Hurlburt Canal.....	Irrig.	.20	22	2	2E	Jefferson.....	Aug.	7	1922	.....	1685
Blue River, Lit.	Dunn, H. J.....	Hastings.....	Blue Valley Yacht Club	Resort		10	5	9	Adams.....	May	23	1924	.....	1745
Blue River, Lit.	Steele, R. B.....	Fairbury.....	Steele Sand and Mining Project	Mfg.		22	2	2E	Jefferson.....	Aug.	16	1926	.....	1874*
Blue River, Lit.	Kistler, Geo. S.....	Roseland.....	Kistler Pump.....	Irrig.	.08	9	5	11	Adams.....	Nov.	1	1926	.....	1869
Blue River, Lit.	Vap, Alois.....	Ludell, Kan.	Vap Pump.....	Irrig.	.81	31	5	7	Clay.....	Dec.	8	1926	.....	1878
Blue River, Lit.	Gaudreault, I. S.....	Hastings.....	Gaudreault Pump.....	Irrig.	.39	26	6	10	Adams.....	Feb.	22	1927	.....	1903
Blue River, Lit.	Anderson, Felix G.....	Ayr.....	Pratt Pump.....	Irrig.	1.01	28	6	10	Adams.....	Feb.	23	1927	.....	1904
Blue River, Lit.	Hubbell, C. J.....	Deweese.....	Logan Canal.....	Irrig.	1.88	33	5	7	Clay.....	Mar.	7	1927	.....	1907
Blue River, Lit.	Knopf, Clyde L.....	Pauline.....	Knopf Pumps.....	Irrig.	1.60	25	6	10	Adams.....	Mar.	8	1927	.....	1908
Blue River, Lit.	Graham, Harry.....	Ayr.....	Graham Pump.....	Irrig.	.80	13	5	11	Adams.....	Mar.	8	1927	.....	1909
Blue River, Lit.	City of Fairbury.....	Fairbury.....	Fairbury Plant.....	Mfg.	16.70	15	2	2E	Jefferson.....	Oct.	22	1927	.....	1963
Blue River, Lit.	Hornberger, Thos.....	Ayr.....	Hornberger Pump.....	Irrig.	2.19	14	5	11	Adams.....	Jan.	24	1928	.....	1978
Blue River, Lit.	Grant, Wm.....	Lincoln.....	Plant No. 1.....	Power		9	2	2E	Jefferson.....	Oct.	16	1928	.....	2043*

Blue River, Lit.	Grant, Wm.	Lincoln.	Plant No. 2	Power	26	2	2E	Jefferson	Oct.	16	1928	2044*
Blue River, Lit.	Bergt, Theodore	Davenport.	Bergt Pump	Irrig.	1.50	22	3 4	Thayer	Apr.	17	1930	2134
Blue River, Lit.	Dutton, K. M. J. and Schardt, Harry G.	Hastings.	Blue Haven Pumps	Irrig.	5.24	29	3 3	Thayer	Aug.	4	1930	2152
		Hebron				30	3 3					
Blue River, Lit.	Jones, E. H.	Fairbury.	Midwest Garden Pump	Irrig.	1.74	26	2 2E	Jefferson	Sept.	4	1930	2165
Blue River, Lit.	Heinrich, C. W.	Davenport.	Riverside Pump	Irrig.	2.23	20	3 4	Thayer	Feb.	24	1931	2193
Blue River, Lit.	Nehrig, Henry H.	Davenport.	Nehrig Pump	Irrig.	5.00	26	3 4	Thayer	Mar.	10	1931	2194
Blue River, Lit.	Sanford, Harry K.	Ayr.	Sanford Pump	Irrig.	.28	4	5 10	Adams	Sept.	22	1931	2238
Blue River, Lit.	Heiler, H. H.	Hastings.	Heiler Pump	Irrig.	.46	27	6 10	Adams	Sept.	30	1931	2241
Blue River, Lit.	Weyenberg, John T.	Hastings.	Weyenberg Pump	Irrig.	1.20	17	5 8	Clay	Oct.	8	1931	2243
Blue River, Lit.	Zweifel, Albert	Fairbury	Zweifel Pump	Irrig.	.25	9	2 2E	Jefferson	July	25	1932	2277
Blue River, Lit.	Paus, Geo. H.	SpringRanch	Paus Pump	Irrig.	.22	16	5 8	Clay	May	15	1933	2321
Blue River, Lit.	Peters, Cornelius R., Estate	Angus.	Peters Pump	Irrig.	.71	27	4 6	Nuckolls	May	31	1934	2389
Blue River, Lit.	Meyer, John H.	Oak.	Meyer Pump	Irrig.	1.31	1	3 6	Nuckolls	June	2	1934	2394
Blue River, Lit.	Davis, John H.	Fairfield.	Davis Pump	Irrig.	.66	15	5 8	Clay	June	5	1934	2399
Blue River, Lit.	Stokebrand, Wm.	De Witt	Stokebrand Pump	Irrig.	.84	5	2 1	Thayer	Aug.	1	1934	2451
Blue River, Lit.	Johnston, Mrs. Hester	Oak.	Johnston Pump	Irrig.	1.14	8	3 5	Nuckolls	Aug.	13	1934	2460
Blue River, Lit.	Kasperek, I.	Fairbury.	Kasperek Pump	Irrig.	.54	6	1 3E	Jefferson	Nov.	3	1934	2491
Blue River, Lit.	Rice, Clarence E.	Odell.	Endcott Pump	Irrig.	.46	36	2 2E	Jefferson	Feb.	1	1935	2511
Blue River, Lit.	Rice, C. E.	Odell.	Powell Pump	Irrig.	.54	24	3 1E	Jefferson	Feb.	20	1935	2517
Blue River, Lit.	Lindgren, T. J., Bartlett, Clyde F.	Edgar.	Lindgren-Bartlett Pumps	Irrig.	.21	19	4 6	Nuckolls	Aug.	7	1935	2553
Blue River, Lit.	Corliss, Albert N.	Hebron.	Corliss Pump	Irrig.	.93	9	2 2	Thayer	Jan.	25	1937	2682
Blue River, Lit.	Hubbell, C. J.	Deweese.	Hubbell Pump No. 1.	Irrig.	.04	32	5 7	Clay	Jan.	30	1937	2689
Blue River, Lit.	Hill, James R.	Deweese.	Hill Pump	Irrig.	.33	32	5 7	Clay	Mar.	26	1937	2723
Blue River, Lit.	Hubbell, C. J.	Deweese.	Hubbell Pump No. 2.	Irrig.	.51	32	6 9	Adams	May	28	1937	2749
Blue River, Lit.	McKenzie, F. W.	Hebron.	McKenzie Pump	Irrig.	.30	36	3 3	Thayer	Nov.	2	1937	2799
Blue River, Lit.	Rice, Clarence E.	Odell.	Powell Reservoir	Irrig.	+74AF	24	3 1E	Jefferson	May	10	1940	3153
(Powell Res.)	Rice, Clarence E.	Odell.	Powell Res. Canal	Irrig.		25	3 1E	Jefferson	May	10	1940	3154
Blue River, Lit.	Goble, Jay	Ayr.	Goble Pump	Irrig.	.20	26	6 10	Adams	July	16	1940	3203
Blue River, Lit.	Lehman, Clyde W.	Rushville.	Lehman Pump	Irrig.		18	4 6	Nuckolls	Aug.	31	1940	3247*
Liberty Creek	Hubbell, C. J.	Deweese.	Hubbell Pump	Irrig.	.07	32	5 7	Clay	Jan.	30	1937	2690
Pawnee Creek.	Massie, D. B.	Clay Center.	Massie Lake	Resort	+65AF	16	5 8	Clay	Mar.	10	1933	2307
Rose Creek	Wilson, Clyde	Fairbury	Wilson Pump	Irrig.	1.01	3	1 2E	Jefferson	July	14	1934	2425

*Application pending or claim not adjudicated.
 †Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-C—Concluded

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App No.	
						S	T	R	County	Mo.	D			Yr.
Rose Creek.....	Rice, Clarence E.....	Odell.....	Rice Pump No. 3.....	Irrig.	1.00	7	1	E	Jefferson.....	May	10	1940	.....	3152
Sandy Cr., Big.	Brinegar, M. A.....	Alexandria.....	Brinegar Pump.....	Irrig.	.43	6	3	1	Thayer.....	Apr.	11	1935	.....	2537
Sandy Cr., Big, Spring Trib- utary to	Game, Forestation & Parks Commission	Lincoln.....	Jefferson County Recreation Grounds..	Resort	+300AF	16	3	E	Jefferson.....	June	14	1940	.....	3179
Spring Branch....	Brown, Vinton F., et al	Hubbell.....	Brown Pump.....	Irrig.	.33	16	1	1	Thayer.....	Oct.	14	1938	.....	2892
						17	1	1						

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Bear Creek.....	Mangus, Jerry T.....	Beatrice.....	Mangus Pump.....	Irrig.	.50	24	4	6E	Gage.....	Jan.	24	1927	.....	1887
Bear Creek.....	State Board of Control	Lincoln.....	Feeble Minded Institution Pumps	Irrig.	.95	36	4	6E	Gage.....	Apr.	22	1928	.....	2010
Beaver Creek.....	Wright, G. D.....	York.....	Wright Mill.....	Power	40.00	7	10	2	York.....	Nov.	1	1878	.....	963
Beaver Creek.....	Gould, W. E.....	York.....	Gould Pump.....	Irrig.	.18	1	10	3	York.....	Sept.	19	1939	.....	2965
							2	10	3					
Beaver Creek.....	Kirkpatrick, W. L.....	York.....	Kirkpatrick Pump.....	Irrig.	.34	8	10	2	York.....	Dec.	6	1939	.....	3036
Blue River, Big..	Black Brothers Flour Mills	Beatrice.....	Black Brothers Plant (Beatrice)	Power	300.00	33	4	6E	Gage.....	Jan.	11	1860	.....	1048
Blue River, Big..	Iowa-Nebraska Light and Power Company	Lincoln.....	Milford Mills.....	Power	300.00	2	9	3E	Seward.....			1866	.....	1044
Blue River, Big..	Gage County Electric Company	Beatrice.....	Black Brothers Plant No. 2 (Blue Springs)	Power	450.00	17	2	7E	Gage.....			1868	.....	1047
Blue River, Big..	Gage County Electric Company	Beatrice.....	Power Plant No. 2.....	Dredge D-1047		17	2	7E	Gage.....	Nov.	7	1922	.....	1692
Blue River, Big..	Gage County Electric Company	Beatrice.....	Power Plant No. 2.....	Dredge D-1047		17	2	7E	Gage.....	Dec.	15	1922	.....	1698
Blue River, Big..	Black Brothers Flour Mills	Beatrice.....	Power Plant No. 2.....	Rs. dam D-1047		17	2	7E	Gage.....	Dec.	15	1923	.....	1732*
Blue River, Big..	Zwonecheck and Aksamit	Wilber.....	De Witt Mill.....	Power	200.00	19	5	5E	Gage.....	Jan.	1	1875	.....	1046
Blue River, Big..	Iowa-Nebraska Light and Power Co.	Lincoln.....	Holmesville Plant.....	Power	500.00	29	3	7E	Gage.....	Jan.	1	1903	.....	1046
Blue River, Big..	Iowa-Nebraska Light and Power Co.	Lincoln.....	Holmesville Plant.....	Power					Gage.....	Apr.		1882	.....	1021
Blue River, Big..	Iowa-Nebraska Light and Power Co.	Lincoln.....	Plant No. 1.....	Rs. dam D-1021		29	3	7E	Gage.....	May	3	1911	.....	1095
Blue River, Big..	Jacobs, E.....	Staplehurst.....	Jacobs Power Plant..	Power	40.00	26	12	2E	Seward.....	Nov.	13	1911	.....	1135
Blue River, Big..	Beatrice Power Co.....	Barneston.....	Barneston Pwr. Plant	Power	500.00	13	1	7E	Gage.....	Feb.	18	1913	.....	1262
Blue River, Big..	Beatrice Power Co.....	Barneston.....	Barneston Pwr. Plant	Rs. dam A-1262		13	1	7E	Gage.....	May	27	1920	.....	1585

*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-D—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.
						Sec.-ft.	County		Mo.	D.	Yr.		
							S	T						R
Blue River, Big.	Beatrice Power Co.	Barneston	Barneston Pwr. Plant	Dredge A-1262	13	1	7E	Gage	Dec.	17	1925	1788	
Blue River, Big.	Mares, Frank	Wilber	Mares Canal	Irrig.	2.28	2	6.4E	Saline	Aug.	12	1913	1314	
Blue River, Big.	C. B. & Q. R. R. Co	Lincoln	C. B. & Q. Pipe Line	Dom.	.50	2	9.3E	Seward	Apr.	30	1914	1366	
Blue River, Big.	C. B. & Q. R. R. Co	Lincoln	Wymore Pipe Line	Dom.	.50	21	2.7E	Gage	Dec.	24	1914	1394	
Blue River, Big.	C. B. & Q. R. R. Co.	Lincoln	Seward Pipe Line	Dom.	.50	21	11.3E	Seward	Dec.	24	1914	1395	
Blue River, Big.	Iowa-Nebraska Light and Power Co.	Lincoln	Plant No. 4	Power	100.00	32	9.4E	Seward	Aug.	14	1916	1463	
Blue River, Big.	Iowa-Nebraska Light and Power Co.	Lincoln	Plant No. 4	Dredge A-1463	32	9	4E	Seward	Nov.	25	1924	1752	
Blue River, Big.	Iowa-Nebraska Light and Power Co.	Lincoln	Shestak Power Plant	Power	200.00	35	7.4E	Saline	Feb.	6	1918	1506	
Blue River, Big.	Iowa-Nebraska Light and Power Co.	Lincoln	Shestak Power Plant	Dredge A-1506	35	7	4E	Saline	Mar.	30	1925	1761	
Blue River, Big.	Iowa-Nebraska Light and Power Co.	Lincoln	Wilber Power Plant	Power	200.00	12	5.4E	Saline	Dec.	17	1920	1597	
Blue River, Big.	Gage County Electric Company	Beatrice	Power Plant No. 3	Power	400.00	2	3.6E	Gage	Oct.	7	1922	1690	
Blue River, Big.	Black Brothers Flour Mills	Beatrice	Power Plant No. 3	Dredge A-1690	2	3	6E	Gage	Nov.	26	1923	1731*	
Blue River, Big.	Gage County Electric Company	Beatrice	Plant No. 5	Power	13	4	5E	Gage	Oct.	17	1927	1961*	
Blue River, Big.	Johnson, Chas. S. F.	Stromsburg	Johnson Pump	Irrig.	1.29	8	13.2	Polk	Mar.	26	1930	2130	
Blue River, Big.	Sonderegger Nurseries and Seed House	Beatrice	Sonderegger Pump	Irrig.	.43	3	3.6E	Gage	Aug.	29	1930	2164	
Blue River, Big.	Blevins, Mrs. Geo. E.	Shelby	Blevins Pump	Irrig.	.57	2	13.1	Polk	May	19	1934	2384	
Blue River, Big.	Cekal, Edward J.	Beatrice	Cekal Pump	Irrig.	.41	24	3.6E	Gage	July	24	1934	2438	
Blue River, Big.	Martz, Jno. E.	Seward	Martz Pump	Irrig.	.64	20	11.3E	Seward	July	24	1934	2440	
Blue River, Big.	Quackenbush, A. E.	Beatrice	Quackenbush Pump	Irrig.	.07	3	3.6E	Gage	July	25	1934	2441	
Blue River, Big.	Olson, Paul A.	Milford	Olson Pump	Irrig.	.64	22	10.3E	Seward	Aug.	1	1934	2453	
Blue River, Big.	Chermak, C. J.	Seward	Chermak Pump	Irrig.	.58	28	11.3E	Seward	Sept.	5	1934	2470	
Blue River, Big.	Jorgenson, L.	Staplehurst	Jorgenson Pump No. 1	Irrig.	1.59	20	13.2E	Butler	Sept.	11	1934	2473	
Blue River, Big.	Jorgenson, L.	Staplehurst	Jorgenson Pump No. 2	Irrig.	.74	24	13.1E	Butler	Sept.	26	1934	2479	

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-D—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provis- ional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Blue River, Big..	Mayland, Mrs. Chas. H.	Staplehurst..	Mayland Pump No. 1	Irrig.	.47	26	12	2E	Seward.....	July	30	1940	.....	3222
Blue River, Big..	Janecek, Mrs. Josephine	Wilber.....	Janecek Pump.....	Irrig.	.68	10	6	4E	Saline.....	Aug.	6	1940	.....	3225
Blue River, Big..	Sack, Jacob.....	Crete.....	Sack Pump.....	Irrig.		9	8	4E	Saline.....	Aug.	13	1940	.....	3230*
Blue River, Big..	Weber, Wm.....	Beatrice.....	Weber Pump.....	Irrig.		13	4	5E	Gage.....	Aug.	26	1940	.....	3241*
Blue River, Big..	Roehrkassee, Wm.....	Seward.....	Roehrkassee Pump.....	Irrig.		28	11	3E	Seward.....	Aug.	29	1940	.....	3245*
Blue River, Big..	Coffin, Pearle.....	Shelby.....	Coffin Reservoir.....	Irrig.		3	13	1	Polk.....	Sept.	3	1940	.....	3251*
Blue River, Big, Tributary to	Andrews, W. E.....	Beatrice.....	Andrews Pump.....	Irrig.	.20	10	3	6E	Gage.....	Apr.	3	1931	.....	2196
Blue River, Big, West Fork	Iowa- Nebraska Light and Power Co.	Lincoln.....	Plant No. 2.....	Power	100.00	32	9	3E	Seward.....	Jan.	3	1912	.....	1153
Blue River, Big, West Fork	Iowa- Nebraska Light and Power Co.	Lincoln.....	Plant No. 2.....	Rs. dam A-1153		32	9	3E	Seward.....	Aug.	21	1918	.....	1520
Blue River, Big, West Fork	Iowa- Nebraska Light and Power Co.	Lincoln.....	Plant No. 3.....	Power	100.00	5	8	4E	Saline.....	Mar.	13	1913	.....	1265
Blue River, Big, West Fork	Iowa- Nebraska Light and Power Co.	Lincoln.....	Plant No. 3.....	Rs. dam A-1265		5	8	4E	Saline.....	Aug.	21	1918	.....	1521
Blue River, Big, West Fork	Iowa- Nebraska Light and Power Co.	Lincoln.....	Plant No. 3.....	Rs. dam A-1265		5	8	4E	Saline.....	Dec.	28	1920	.....	1599
Blue River, Big, West Fork	Iowa- Nebraska Light and Power Co.	Lincoln.....	Plant No. 3.....	Dredge A-1265		5	8	4E	Saline.....	Jan.	30	1924	.....	1733
Blue River, Big, West Fork	Iowa- Nebraska Light and Power Co.	Lincoln.....	Plant No. 3.....	Dredge A-1265		5	8	4E	Saline.....	Nov.	21	1924	.....	1751
Blue River, Big, West Fork	Iowa- Nebraska Light and Power Co.	Lincoln.....	Plant No. 5.....	Power	100.00	11	8	3E	Saline.....	Feb.	13	1917	.....	1476
Blue River, Big, West Fork, & School Creek	Garbe, Albert	Grafton.....	Blue Park Dam.....	Power	66.00	1	8	4	Fillmore.....	Aug.	4	1917	.....	1494
Blue River, Big, West Fork	Iowa-Nebraska Light and Power Co	Lincoln.....	Bow Span Plant.....	Power	100.00	26	9	2E	Seward.....	Dec.	17	1920	.....	1595
Blue River, Big, West Fork	Iowa-Nebraska Light and Power Co	Lincoln.....	Big Bend Plant.....	Power	100.00	11	8	3E	Saline.....	Dec.	17	1920	.....	1596

Blue River, Big West Fork	Warren, Herbert F.....	Trumbull.....	Warren Pump.....	Irrig.	.16	13	8	9	Adams.....	Nov.	26	1927	.....	1971
Blue River, Big West Fork	Show, Frank.....	McCool Junction	Show Pump.....	Irrig.	.42	18	9	2	York.....	Oct.	19	1928	.....	2048
Blue River, Big West Fork	Swanson, S. A.....	Hastings.....	Swanson Pump.....	Irrig.	1.90	4	7	9	Adams.....	Apr.	4	1929	.....	2076
Blue River, Big West Fork	Muirhead, Wm. C.....	Bradshaw.....	Muirhead Canal.....	Irrig.	.93	30	9	5	Hamilton.....	Sept.	13	1929	.....	2103
Blue River, Big West Fork	Show, Frank.....	McCool Junction	Show Pump.....	Irrig.	.82	18	9	2	York.....	Mar.	16	1934	.....	2368
Blue River, Big West Fork	Schmidt, Otto.....	Fairmont.....	Schmidt Pump.....	Irrig.	.43	3	8	3	Fillmore.....	July	14	1934	.....	2426
Blue River, Big West Fork	Casteel, Lonie E.....	Crete.....	Casteel Pump.....	Irrig.	1.43	5	8	4E	Saline.....	July	18	1934	.....	2429
Blue River, Big West Fork	Nave, C. D.....	Crete.....	Nave Pump.....	Irrig.	.39	5	8	4E	Saline.....	July	18	1934	.....	2430
Blue River, Big West Fork	Johnson, Arthur F.....	Dorchester.....	Johnson Pump.....	Irrig.	.37	32	9	3E	Seward.....	July	23	1934	.....	2435
Blue River, Big West Fork	Mohlman, Elsie.....	Hastings.....	Mohlman Pump.....	Irrig.	.56	25	8	9	Adams.....	Aug.	9	1934	.....	2458
Blue River, Big West Fork	Rehor, Clara W.....	Beaver Crossing	Rehor Pump.....	Irrig.	.41	3	9	1E	Seward.....	Apr.	30	1935	.....	2543
Blue River, Big West Fork	Steffegen, Mrs. Marfe	Grafton.....	Budler Pump.....	Irrig.	.08	8	8	3	Fillmore.....	June	15	1936	.....	2581
Blue River, Big West Fork	Morford, J. C.....	Beaver Crossing	Morford Pump.....	Irrig.	.29	18	9	2E	Seward.....	July	21	1936	.....	2593
Blue River, Big West Fork	Gilmore, Oden S.....	York.....	Gilmore Pump.....	Irrig.	.43	7	9	1	York.....	July	27	1936	.....	2600
Blue River, Big West Fork	Kaliff, R. L.....	York.....	Kaliff Pumps.....	Irrig.	1.10	25	9	3	York.....	Aug.	15	1936	.....	2614
Blue River, Big West Fork	Semler, Emil F.....	Dorchester.....	Semler Pump.....	Irrig.	.25	32	9	3E	Seward.....	Aug.	27	1936	.....	2626
Blue River, Big West Fork	Franz, George G.....	Henderson.....	Franz Pump.....	Irrig.	.12	19	9	4	York.....	Oct.	24	1936	.....	2649
Blue River, Big West Fork	Sandy, Dorothy E.....	Baxer, Iowa	Sandy Pump.....	Irrig.	.11	15	9	2	York.....	Nov.	2	1936	.....	2650

*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-D—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Blue River, Big. West Fork	City Trust Co.....	York.....	City Trust Co. Pump.	Irrig.	.71	19	9	2	York.....	Feb.	6	1937	2695	
Blue River, Big. West Fork	Miller, Clifford E.....	Omaha.....	Miller Pump.....	Irrig.	.97	27	9	4	York.....	Apr.	17	1937	2732	
Blue River, Big. West Fork	Miller, Sam.....	Dorchester...	Miller Pump.....	Irrig.	.35	3	8	3E	Saline.....	July	6	1937	2758	
Blue River, Big. West Fork	Gard, Alvin J.....	Beaver Crossing	Gard Pump.....	Irrig.	.86	1	9	1	York.....	Aug.	19	1937	2775	
Blue River, Big. West Fork	United Insurance Company	Lincoln.....	United Insurance Company Pump	Irrig.	.37	31	10	1E	Seward.....	Sept.	10	1937	2783	
Blue River, Big. West Fork	Simmons, Robt. G., and Matzke, Stanley	Lincoln	Simmons-Matzke Pump	Irrig.	.31	16	9	2E	Seward.....	Sept.	11	1937	2784	
Blue River, Big. West Fork	Baller, Albert L.....	York.....	Baller Pump.....	Irrig.	1.04	7	9	1	York.....	Nov.	1	1938	2894	
Blue River, Big. West Fork	Miller, Clifford.....	McCool.....	Miller Power Plant.....	Power	28.00	10	9	2	York.....	Aug.	31	1939	2955	
Blue River, Big. West Fork	Sack, Dean.....	York.....	Sack Pump.....	Irrig.	.99	9	9	1	York.....	Nov.	1	1939	3003	
Blue River, Big. West Fork	Buller, Cornelius P.....	Fairmont.....	Buller Pump.....	Irrig.	.20	36	9	4	York.....	Nov.	14	1939	3017	
Blue River, Big. West Fork	Broehl, C. A.....	Grafton.....	Broehl Pump.....	Irrig.	.29	35	9	4	York.....	Dec.	23	1939	3066	
Blue River, Big. West Fork	Novak, Joe H.....	Fairmont.....	Novak Pump.....	Irrig.	.24	2	8	3	Fillmore.....	Jan.	24	1940	3085	
Blue River, Big. West Fork	Bors, Joe, Jr.....	McCool Junction	Bors Pump.....	Irrig.	.84	36	9	3	York.....	Apr.	12	1940	3133	
Blue River, Big. West Fork	Pieper, Adolph.....	Waco.....	Pieper Pump.....	Irrig.	.44	9	9	1	York.....	May	14	1940	3159	
Blue River, Big. West Fork	Steenburg, Donald B	Aurora.....	Steenburg Pump.....	Irrig.	.26	9	5		Hamilton.....	July	5	1940	3194	
Blue River, Big. West Fork	Kubicek, Ralph.....	Waco.....	Kubicek Pump.....	Irrig.	.37	2	9	1	York.....	July	15	1940	3199	

DEPARTMENT OF ROADS AND IRRIGATION

Blue River, Big, West Fork	Madison, M.....	Goehner.....	Madison Pump.....	Irrig.	.31	17	9	2E	Seward.....	Aug.	7	1940	.....	3226
Blue River, Big, West Fork	Cast, Friedrich, Estate	Lincoln.....	Cast Pump.....	Irrig.		17	9	2E	Seward.....	Aug.	23	1940	.....	3238*
Blue River, Big, West Fork	Farney, Geo. B., and Work, Thos. R.	Aurora.....	Farney-Work Pump...	Irrig.		33	9	6	Hamilton.....	Aug.	27	1940	.....	3242*
Blue River, Big, West Fork	Bors, Victor E.....	McCool Junction	Bors Pump.....	Irrig.		36	9	3	York.....	Sept.	4	1940	.....	3254*
Blue River, Big, West Fork	Gocke, H. F.....	Waco.....	Gocke Pump.....	Irrig.		3	9	1	York.....	Sept.	23	1940	.....	3272*
Blue River, Big, West Fork	Simmons, Robt. G., and Matzke, Stanley	Lincoln Seward	Simmons-Matzke Pump No. 2	Irrig.		16	9	2E	Seward.....	Sept.	24	1940	.....	3273*
Blue River, Big, West Fork	Morrison, Anna J....	York.....	Morrison Pump.....	Irrig.		35	9	3	York.....	Sept.	28	1940	.....	3277*
Blue River, Big, West Fork, Trib. to	Eckert, Edward H....	Crete.....	Eckert Pump.....	Irrig.	.16	10	8	3E	Saline.....	Sept.	25	1939	.....	2975
Indian Cr., Big (See Spring Branch)	Fink, Alvin M.....	Wymore.....	Fink Pump.....	Irrig.	.10	25	2	6E	Gage.....	Feb.	23	1935	.....	2518
Indian Cr., Big.	Rawlings, Melvin L..	Wymore.....	Rawlings Pump.....	Irrig.		29	2	7E	Gage.....	June	18	1940	.....	3183
Lincoln Creek....	Ritterbush, Fred.....	Seward.....	Ritterbush Pumps No. 1 and No. 2.....	Irrig.	.67	33	12	2E	Seward.....	Nov.	22	1934	.....	2496
Lincoln Creek....	Daehling, Ernest.....	Staplehurst...	Ritterbush Pump.....	Irrig.	.36	33	12	2E	Seward.....	July	22	1937	.....	2764
Lincoln Creek....	Imig, Edw. P., et al.	Seward.....	Imig Pump No. 1.....	Irrig.	.31	20	11	3E	Seward.....	July	27	1937	.....	2765
Lincoln Creek....	Nelson, Lee M.....	Hastings.....	Nelson Pumps.....	Irrig.	.34	13	11	2E	Seward.....	Aug.	18	1937	.....	2773
Lincoln Creek....	Curry, J. F.....	Seward.....	Curry Pump.....	Irrig.	.32	24	11	2E						
Lincoln Creek....	Kruse, Herman F. and Henry H	Seward.....	Kruse Pump.....	Irrig.	.94	19	11	3E	Seward.....	Apr.	12	1938	.....	2861
Lincoln Creek....	Lindstrom, Annie B., et al	Seward.....	Kruse Pump.....	Irrig.	.81	19	11	3E	Seward.....	Sept.	12	1938	.....	2883
Lincoln Creek....	Lindstrom, Annie B., et al	Waco.....	Lindstrom Pump.....	Irrig.	.36	21	12	1	York.....	Nov.	8	1939	.....	3013
Lincoln Creek....	Zieme, Wm.....	Utica.....	Zieme Pump.....	Irrig.	.26	31	12	1E	Seward.....	Dec.	1	1939	.....	3034
Lincoln Creek....	Jones, Harry T., Est.	Seward.....	Jones Pump.....	Irrig.	.28	13	11	2E	Seward.....	Dec.	11	1939	.....	3045

*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-D—Concluded

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Lincoln Creek....	Schneebeck, Mrs. Sophia	Seward.....	Schneebeck Pump.....	Irrig.	.46	24	11	2E	Seward.....	Dec.	18	1939	.....	3056
Lincoln Creek....	Curry, J. F.....	Seward.....	Curry Pump.....	Irrig.	1.15	19	11	3E	Seward.....	Feb.	28	1940	.....	3097
Lincoln Creek....	Mayland, Mrs. Chas. H.	Staplehurst..	Mayland Pump No. 2.	Irrig.	.36	11	11	2E	Seward.....	July	30	1940	.....	3223
Lincoln Creek....	Parker, Cora Belle..	Utica.....	Parker-Talbert Pump..	Irrig.		34	12	2	York.....	Sept.	16	1940	.....	3266*
Lincoln Creek....	Steenburg, Donald B.	Aurora.....	Steenburg Pumps.....	Irrig.		2	10	6	Hamilton	Sept.	27	1940	.....	3276*
School Creek.....	Trautman, Henry, et al	Sutton.....	Trautman Pump.....	Irrig.	.16	17	8	4	Fillmore.....	Apr.	19	1940	.....	3141
Spring Branch. (See Indian Cr.)	Fink, Alvin M.....	Wymore.....	Fink Pump.....	Irrig.	.07	25	2	6E	Gage.....	Feb.	23	1935	.....	2518
Swan Creek.....	Schmidt, Frederick	De Witt.....	Smith Pump.....	Irrig.	.03	19	5	4E	Saline.....	Apr.	6	1937	.....	2728
Turkey Creek....	Grothe, Chas.....	Pleasant Hill		Power		4	7	3E	Saline.....				.....	990*
Turkey Creek....	Lane, J. K.....	Pleasant Hill	Lane Model Canal.....	Irrig.	.09	4	7	3E	Saline.....	July	16	1895	.....	81
Turkey Creek....	Lane, J. K.....	Pleasant Hill	Lane Model Canal.....	Irrig.					Saline.....	July	18	1895	.....	84
Turkey Creek....	Pecka, Frank, Jr.....	Friend.....	Pecka Pump.....	Irrig.	1.23	4	7	1E	Saline.....	May	3	1934	.....	2376
Turkey Creek....	Divoky, Rudolph.....	Friend.....	Divoky Pump.....	Irrig.	1.13	34	8	1E	Saline.....	May	25	1934	.....	2386
Turkey Creek....	Dilley, Edward A.....	Friend.....	Dilley Pump.....	Irrig.	2.11	33	8	2E	Saline.....	June	30	1934	.....	2414
Turkey Creek....	Belka, John.....	Dorchester..	Belka Pump.....	Irrig.	.58	4	7	3E	Saline.....	July	13	1934	.....	2424
Turkey Creek....	Engel, H. H.....	Friend.....	Engel Pump.....	Irrig.	.73	8	7	1E	Saline.....	July	19	1934	.....	2432
Turkey Creek....	Hasenohr, Fred.....	De Witt.....	Hasenohr Pump.....	Irrig.	.33	24	5	4E	Saline.....	May	3	1935	.....	2546
Turkey Creek....	Stokebrand, Edwin..	De Witt.....	Stokebrand Pump.....	Irrig.	.49	29	5	5E	Gage.....	Oct.	18	1935	.....	2562
Turkey Creek....	Ebke, Henry.....	De Witt.....	Ebke Pump.....	Irrig.	.40	24	5	4E	Saline.....	Oct.	16	1936	.....	2645
Turkey Creek....	Hamouz, Lew.....	Milligan.....	Hamouz Pump.....	Irrig.	.04	35	7	1	Fillmore.....	Nov.	3	1936	.....	2651
Turkey Creek....	Yokel, J. C.....	Friend.....	Yokel Pump.....	Irrig.	.96	17	7	1E	Saline.....	Mar.	24	1938	.....	2853
Turkey Creek....	Barney, John F.....	Friend.....	Barney Pump.....	Irrig.	.30	32	8	2E	Saline.....	Sept.	9	1939	.....	2961
Turkey Creek....	Marcelino, F. J., Est.	Crete.....	Marcelino Pump.....	Irrig.	.41	34	8	2E	Saline.....	July	23	1940	.....	3209
Turkey Creek....	Harms, Alfred F.....	De Witt.....	Harms Pumps.....	Irrig.		29	5	5E	Gage.....	Aug.	20	1940	.....	3235*
Turkey Creek....	Waldo, Mrs. Lizzie..	De Witt.....	Waldo Pump.....	Irrig.		30	5	5E						
Turkey Creek....	Waldo, Mrs. Lizzie..	De Witt.....	Waldo Pump.....	Irrig.		24	5	4E	Saline.....	Aug.	27	1940	.....	3243*
Turkey Creek....	Drake, D. E.....	Friend.....	Drake Pump.....	Irrig.		32	8	2E	Saline.....	Sept.	24	1940	.....	3274*

*Application pending or claim not adjudicated.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-E

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Flood Water.....	Fifield, C. M.....	Kimball.....	Fifield Canal.....	Irrig.	.57	22	15	56	Kimball.....	Apr.	27	1911	.....	1091
Ground Water....	McIntosh, J. L., and Martin, Paul L.	Sidney.....	McIntosh-Martin Pump	Irrig.	1.23	35	14	50	Cheyenne.....	Nov.	22	1922	.....	1695
Ground Water....	S. A. Foster Lumber Company	Lincoln.....	Foster Wells.....	Irrig.	.66	8	13	46	Cheyenne.....	Apr.	29	1931	.....	2200
Ground Water....	Rodman, Roland V....	Denver, Colo	Rodman Well No. 1....	Irrig.		28	15	54	Kimball.....	Aug.	7	1937	.....	2770*
Ground Water....	Bright, Joe S.....	Bridgeport....	Bright Well.....	Irrig.		2	13	50	Cheyenne.....	May	4	1938	.....	2870*
Ground Water....	Killham, Edward H....	Lodgepole....	Killham Well.....	Irrig.		1	12	52	Cheyenne.....	Dec.	21	1938	.....	2903*
Ground Water....	Gunderson, Howard....	Dix.....	Gunderson Well.....	Irrig.		36	15	54	Kimball.....	Dec.	22	1939	.....	3065*
Ground Water....	Lobb, Jason O.....	Gurley.....	Lobb Well.....	Irrig.		27	15	55	Kimball.....	Mar.	29	1940	.....	3126*
Ground Water....	Gunderson, Robert....	Dix.....	Gunderson Well.....	Irrig.		33	15	54	Kimball.....	May	11	1940	.....	3156*
Ground Water....	Russell, Gail H.....	Kimball.....	Russell Wells.....	Irrig.		29	15	55	Kimball.....	May	27	1940	.....	3167*
						27	15	54						
						35	15	54						
Lodgepole Cr.....	Giesecking, Herman....	Altamont, Ill.	Bickel Canal.....	Irrig.	.30	30	15	55	Kimball.....	Dec.	31	1876	347	.....
Lodgepole Cr.....	Forsling, Mrs. Alfred	Kimball.....	Owasco Canal.....	Irrig.	1.20	29	15	55	Kimball.....	Dec.	31	1876	347R	.....
Lodgepole Cr.....	Gunderson, A., Estate	Potter.....	Gunderson Canal.....	Irrig.	1.43	1	14	52	Cheyenne.....	June	1	1879	305	.....
Lodgepole Cr.....	Fuller, Mrs. Jessie L	Sidney.....	Runge Canal No. 1....	Irrig.	1.71	20	14	50	Cheyenne.....	Apr.	15	1880	339	.....
Lodgepole Cr.....	Fuller, Mrs. Jessie L	Sidney.....	Runge Canal No. 2....	Irrig.	.50	20	14	50	Cheyenne.....	Apr.	15	1882	338	.....
Lodgepole Cr.....	Page, Edith Connelly	Sidney.....	Anderson Canal No. 1	Irrig.	2.50	8	14	51	Cheyenne.....	June	30	1882	373	.....
Lodgepole Cr.....	Rodman, Walter M....	Kimball.....	Circle Arrow Canal...	Irrig.	3.71	30	15	54	Kimball.....	July	1	1882	346	.....
Lodgepole Cr.....	Fuller, Clark H. and Mary J.	Sidney.....	Urbach Canal.....	Irrig.	.86	15	14	51	Cheyenne.....	Sept.	1	1882	308	.....
Lodgepole Cr.....	Thomas, Elsie O.....	Omaha.....	Hale Canal No. 3.....	Irrig.	.57	36	14	49	Cheyenne.....	Apr.	30	1883	320	.....
Lodgepole Cr.....	Thomas, Elsie O.....	Omaha.....	Hale Canal No. 4.....	Irrig.	.71	36	14	49	Cheyenne.....	Apr.	30	1883	321	.....
Lodgepole Cr.....	Thomas, Elsie O.....	Omaha.....	Hale Canal No. 5.....	Irrig.	.57	36	14	49	Cheyenne.....	Apr.	30	1883	322	.....
Lodgepole Cr.....	Thomas, Elsie O.....	Omaha.....	Lower Whitney Canal	Irrig.	2.29	31	14	48	Cheyenne.....	May	1	1883	317	.....
Lodgepole Cr.....	Booth, Mrs. Esther...	Sunol.....	Booth Canal.....	Irrig.	4.29	29	14	47	Cheyenne.....	May	31	1883	309 }	.....
													310 }	.....
Lodgepole Cr.....	McAuliffe, John F....	Chappell....	McAuliffe Canal.....	Irrig.	2.29	21	13	45	Deuel.....	Dec.	31	1884	814	.....
Lodgepole Cr.....	Rodman, Walter M....	Kimball.....	Kinney Canal No. 2....	Irrig.	2.71	33	15	56	Kimball.....	Dec.	31	1884	348	.....
Lodgepole Cr.....	Libby, Mary A., Est..	Lodgepole....	Libby Canal.....	Irrig.	2.00	36	14	47	Cheyenne.....	Dec.	31	1884	312	.....

*Application pending.
"R" Denotes relocation.

DEPARTMENT OF ROADS AND IRRIGATION

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-E—Continued

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						Sec.-ft.	S	T	R	County	Mo.			D	Yr.
Lodgepole Cr.....	Dickinson, Chas. C.....	Lodgepole.....	Dickinson Canal.....	Irrig.	1.14	26	14	47	Cheyenne.....	Jan.	1	1885	969	.....
Lodgepole Cr.....	Ruttner, Edward A.....	Lodgepole.....	Howard Canal.....	Irrig.	.86	31	14	47	Cheyenne.....	Apr.	10	1885	336	.....
Lodgepole Cr.....	Krueger, R. and F. W.....	Sidney.....	Krueger Canal No. 3.....	Irrig.	1.14	32	14	48	Cheyenne.....	May	1	1885	323	.....
Lodgepole Cr.....	Wolf, Mrs. H. D.....	Chappell.....	Wolf Canal.....	Irrig.	1.00	18	13	45	Deuel.....	Dec.	31	1885	813	.....
Lodgepole Cr.....	Rodman, Walter M., and Uhl, David.....	Kimball.....	McIntosh Canal.....	Irrig.	3.31	23	15	55	Kimball.....	Apr.	16	1886	351	.....
Lodgepole Cr.....	Krueger, R. and F. W.....	Sidney.....	Krueger Canal No. 2.....	Irrig.	2.29	32	14	48	Cheyenne.....	Oct.	10	1886	324	.....
Lodgepole Cr.....	Helfrich, Peter.....	Sidney.....	Borquist Canal.....	Irrig.	.71	34	14	49	Cheyenne.....	Apr.	30	1887	300	.....
Lodgepole Cr.....	Helfrich, Peter.....	Sidney.....	Borquist Canal.....	Irrig.	1.29	34	14	49	Cheyenne.....	Apr.	30	1887	301	.....
Lodgepole Cr.....	Thomas, Elsie O.....	Omaha.....	Upper Whitney Canal.....	Irrig.	2.29	36	14	49	Cheyenne.....	May	1	1887	316	.....
Lodgepole Cr.....	Dickinson, Friend.....	Sunol.....	McLaughlin Canal.....	Irrig.	1.00	25	14	48	Cheyenne.....	May	1	1887	966	.....
Lodgepole Cr.....	Thomas, Elsie O.....	Omaha.....	Hale Canal No. 1.....	Irrig.	1.14	36	14	49	Cheyenne.....	July	1	1887	318	.....
Lodgepole Cr.....	Keefe, D. S.....	Sidney.....	Mitchell Canal.....	Irrig.	.86	8	14	51	Cheyenne.....	Sept.	1	1887	304	.....
Lodgepole Cr.....	Bernt, William.....	Columbus.....	Tobin Canal.....	Irrig.	2.29	28	14	47	Cheyenne.....	July	31	1888	330	.....
Lodgepole Cr.....	Peetz, John.....	Sidney.....	Bordwell Canal.....	Irrig.	1.43	35	14	49	Cheyenne.....	Aug.	1	1888	303	.....
Lodgepole Cr.....	Wearin, Wm. H.....	Carleton.....	Premier Canal.....	Irrig.	2.43	3	14	58	Kimball.....	Apr.	11	1889	340	.....
Lodgepole Cr.....	Peetz, John.....	Sidney.....	Bordwell Canal.....	Irrig.	.86	35	14	49	Cheyenne.....	Apr.	27	1889	302	.....
Lodgepole Cr.....	Farmer, Marion.....	Kimball.....	Atkins-Polly Canal.....	Irrig.	.79	30	15	55	Kimball.....	May	6	1889	342	.....
Lodgepole Cr.....	Wearin, Wm. H.....	Carleton.....	Independent Canal.....	Irrig.	3.14	7	14	58	Kimball.....	May	6	1889	343	.....
Lodgepole Cr.....	Atkins, D. K.....	Kimball.....	Atkins-Polly Canal.....	Irrig.	.43	30	15	55	Kimball.....	May	6	1889	344	.....
Lodgepole Cr.....	Rodman, Walter M.....	Kimball.....	Kinney Canal.....	Irrig.	2.00	31	15	56	Kimball.....	May	14	1889	345	.....
Lodgepole Cr.....	Haberstroh, W. A.....	Omaha.....	Young Canal.....	Irrig.	.50	33	15	57	Kimball.....	May	28	1889	349	.....
Lodgepole Cr.....	Linn, Kenneth.....	Kimball.....	Ruttner (Old) Canal.....	Irrig.	.81	31	15	56	Kimball.....	June	4	1889	350	.....
Lodgepole Cr.....	Linn, Kenneth.....	Kimball.....	Ruttner (New) Canal.....	Irrig.	.33	36	15	57	Kimball.....	June	4	1889	350R	.....
Lodgepole Cr.....	Oberfelder, R. S.....	Sidney.....	Oberfelder Canal.....	Irrig.	.43	31	14	46	Cheyenne.....	June	10	1889	333	.....
Lodgepole Cr.....	Carter, Thos. B. et al.....	Chappell.....	Bullock Canal.....	Irrig.	1.43	3	13	46	Deuel.....	June	25	1889	296	.....
Lodgepole Cr.....	Searcy, Mrs. Geo. H.....	Tuscaloosa, Ala.....	Persinger Canal.....	Irrig.	4.57	33	14	46	Deuel.....	June	25	1889	297	.....
Lodgepole Cr.....	Krueger, R. and F. W.....	Sidney.....	Krueger Canal No. 1.....	Irrig.	3.00	29	14	48	Cheyenne.....	June	26	1889	325	.....
Lodgepole Cr.....	Thomas, Elsie O.....	Omaha.....	Hale Canal No. 2.....	Irrig.	.43	36	14	49	Cheyenne.....	June	26	1889	319	.....
Lodgepole Cr.....	Peters Trust Co.....	Omaha.....	Brady Canal.....	Irrig.	.71	28	15	54	Kimball.....	Aug.	16	1889	352	.....
Lodgepole Cr.....	Gross, Wm. A. and Chas. C.....	Pine Bluff, Wyoming.....	Hoover Canal.....	Irrig.	1.43	12	14	59	Kimball.....	Sept.	4	1889	353	.....

DEPARTMENT OF ROADS AND IRRIGATION

Lodgepole Cr.....	Equitable Life Insurance Company	Des Moines, Iowa	Ickes Canal.....	Irrig.	2.50	28	14	50	Cheyenne.....	Mar.	25	1891	329	.....
Lodgepole Cr.....	Johnson, Chas. W.....	Potter.....	Adams Canal.....	Irrig.	1.43	3	14	52	Cheyenne.....	July	1	1891	371	.....
Lodgepole Cr.....	Garrad, Robert, et al.....	Kimball.....	Hurley-Lilly-Polly Canal	Irrig.	2.57	26	15	56	Kimball.....	Oct.	1	1891	354	.....
Lodgepole Cr.....	Thorstensen, Nels.....	Potter.....	Christensen Canal.....	Irrig.	.57	7	14	51	Cheyenne.....	Apr.	15	1893	366	.....
Lodgepole Cr.....	Thorstensen, Nels.....	Potter.....	Christensen Canal.....	Irrig.	.43	7	14	51	Cheyenne.....	Apr.	15	1893	367	.....
Lodgepole Cr.....	Van Aelstyn, Ed.....	Sidney.....	Trognitz Canal.....	Irrig.	1.00	36	14	50	Cheyenne.....	June	1	1893	365	.....
Lodgepole Cr.....	Oberfelder, R. S.....	Sidney.....	Oberfelder Canal.....	Irrig.	2.00	31	14	46	Cheyenne.....	Dec.	30	1893	306	.....
Lodgepole Cr.....	Borgmann, Henry F.....	Lodgepole.....	Barrett Canal.....	Irrig.		32	14	46	Cheyenne.....				334*	.....
Lodgepole Cr.....	Krueger, R. S.....	Sidney.....	Krueger Canal.....	Irrig.	1.00	29	14	48	Cheyenne.....	May	1	1894	968	.....
Lodgepole Cr.....	Lyngholm, Hannah.....	Sidney.....	Lyngholm Canal.....	Irrig.	.36	14	14	51	Cheyenne.....	Nov.	1	1894	337	.....
Lodgepole Cr.....	Dickinson, Geo. W., et al.....	Lodgepole.....	Dickinson Canal.....	Irrig.	2.29	33	14	47	Cheyenne.....	May	10	1896	967	.....
Lodgepole Cr.....	Searcy, Mrs. Geo. H.....	Tuscaloosa, Ala	Bullock Canal.....	Irrig.	.57	4	13	46	Deuel.....	Feb.	16	1898		437
Lodgepole Cr.....	Forsling, Mrs. A.....	Kimball.....	Maltese Cross Canal.....	Irrig.	.21	36	15	57	Kimball.....	May	16	1898		454
Lodgepole Cr.....	Wearin, Wm. H.....	Carleton.....	Bushnell Canal.....	Irrig.	3.00	2	14	58	Kimball.....	Apr.	15	1899		504
Lodgepole Cr.....	Wiegand, Lyle H.....	Chappell.....	Wiegand Canal.....	Irrig.	2.00	17	13	45	Deuel.....	May	31	1900		563
Lodgepole Cr.....	Brown, G. B.....	Chappell.....	Neuman Canals 1-2.....	Irrig.	1.89	36	13	45	Deuel.....	June	12	1900		565
Lodgepole Cr.....	McHatton, Jas. W.....	Chappell.....	Wertz Canal.....	Irrig.	2.86	12	13	46	Deuel.....	Feb.	14	1901		600
Lodgepole Cr.....	Neuman, Guy C.....	Chappell.....	Neuman Canal.....	Irrig.	1.29	26	13	45	Deuel.....	Apr.	17	1901		611
Lodgepole Cr.....	Johnson, J. C., Estate	Chappell.....	Johnson Canal.....	Irrig.	2.01	23	13	45	Deuel.....	Apr.	17	1901		612
Lodgepole Cr.....	Rodman, Walter M.....	Kimball.....	Bennett Reservoir.....	Irrig.	†700AF	22	15	55	Kimball.....	Mar.	13	1902		657
(See A-1974)														
Lodgepole Cr.....	Rabe, George H.....	Chappell.....	Naslund Canal.....	Irrig.	.90	1	12	45	Deuel.....	Apr.	16	1902		661
Lodgepole Cr.....	Rodman, Walter M.....	Kimball.....	Bennett Res. Canal.....	Irrig.	1.22	22	15	55	Kimball.....	Oct.	2	1902		691
(Bennett Res.)	Rodman, Walter M.....	Kimball.....	Bennett Res. Canal.....	Supple	A-691	22	15	55	Kimball.....	Oct.	2	1902		691
Lodgepole Cr.....	Forsling, Alfred.....	Kimball.....	Forsling Canal.....	Irrig.	1.50	34	15	57	Kimball.....	Apr.	24	1903		703
Lodgepole Cr.....	Rodman, Roland V.....	Denver, Colo	Kinney-Forsling Canal	Irrig.	1.07	33	15	56	Kimball.....	July	25	1903		718
Lodgepole Cr.....	Rodman, Roland V.....	Denver, Colo	Ruttner-Kinney Canal	Irrig.	.75	31	15	56	Kimball.....	July	25	1903		718R
Lodgepole Cr.....	Giesecking, Herman.....	Altamont, Ill.	Bickel Canal.....	Irrig.	.93	30	15	55	Kimball.....	Aug.	3	1903		719
Lodgepole Cr.....	Fuller, Clark H. and Mary J.	Sidney.....	Pomeroy Canal No. 1	Irrig.	.57	15	14	51	Cheyenne.....	Aug.	20	1903		723

“R” Denotes relocation.

*Claim not adjudicated.

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-E—Concluded

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Lodgepole Cr.	Atkins, D. K.	Kimball	Faden Canal	Irrig.	.14	30	15	55	Kimball	Sept.	9	1903	721	
Lodgepole Cr.	Rodman, Walter M.	Kimball	Owasco Canal	Irrig.	9.84	29	15	55	Kimball	Sept.	12	1903	725	
Lodgepole Cr.	Linn, Kenneth	Kimball	Ruttner (New) Canal	Irrig.	.51	36	15	57	Kimball	Sept.	16	1903	727	
Lodgepole Cr.	Rodman, Walter M. and Uhl, David	Kimball Dix	McIntosh Canal Ext.	Irrig.	1.75	23	15	55	Kimball	Dec.	15	1903	734	
Lodgepole Cr.	Soderquist, Peter, Estate	Chappell	Smith Canal	Irrig.	3.86	12	12	45	Deuel	Aug.	18	1906	850	
Lodgepole Cr.	Soderquist, Peter, Estate	Chappell	Ralton System	Irrig.	2.59	12	12	45	Deuel	Jan.	4	1907	847	
Lodgepole Cr.	Rodman, Roland V.	Denver, Colo	Ruttner (Yoder) Canal	Irrig.	2.71	36	15	57	Kimball	Apr.	9	1907	857	
Lodgepole Cr.	Walker, I. S.	Kimball	Ruttner (New) Canal	Irrig.	.63	36	15	57	Kimball	Sept.	16	1907	869	
Lodgepole Cr.	Gross, Wm. and Chas.	Pine Bluff, Wyoming	Tracy Canal	Irrig.	.50	12	14	59	Kimball	Sept.	21	1907	870	
Lodgepole Cr.	Soderquist, Peter, Estate	Chappell	Ralton Canal	Irrig.	12.40	36	13	45	Deuel	Dec.	4	1907	882	
Lodgepole Cr.	Kimball Irrig. Dist.	Kimball	Oliver Reservoir	Irrig.	†20,000	36	15	57	Kimball	Apr.	15	1908	897	
(Oliver Res.)	Kimball Irrig. Dist.	Kimball	Kimball Canal	Supple.	A-897	36	15	57	Kimball	Apr.	15	1908	897	
Lodgepole Cr.	Kimball Irrig. Dist.	Kimball	Kimball Canal	Irrig.		36	15	57	Kimball	Apr.	15	1908	897	
Lodgepole Cr.	Atkins, D. K.	Kimball	Atkins-Polly Canal	Irrig.	.11	30	15	55	Kimball	Apr.	15	1908	897R	
Lodgepole Cr.	Wilds, Turner	Chappell	Wilds Canal	Irrig.	.57	11	13	46	Deuel	June	2	1908	904	
Lodgepole Cr.	Ruttner, Joseph B.	Sunol	Ruttner Canal	Irrig.	.57	30	14	47	Cheyenne	June	25	1908	906	
Lodgepole Cr.	Rodman, Walter M.	Kimball	Bennett Canal No. 3.	Irrig.	1.00	29	15	54	Kimball	Feb.	17	1909	934	
Lodgepole Cr.	Maginnis, P.	Kimball	MaGinnis Ice Pond	Ice	+500AF	26	15	56	Kimball	Sept.	19	1911	1127	
Lodgepole Cr.	Brown, Cyrus D., et al	Chappell	Soderquist Canal	Irrig.	2.00	36	13	45	Deuel	Oct.	22	1912	1237	
Lodgepole Cr.	Heming, Howard C.	Chappell	Wiegend Canal No. 3.	Irrig.	1.21	16	13	45	Deuel	Sept.	10	1913	1322	
Lodgepole Cr.	Heming, Howard C.	Chappell	Weigend Canal No. 2.	Irrig.	.43	16	13	45	Deuel	Sept.	10	1913	1323	
Lodgepole Cr.	Brown, Cyrus D., et al	Chappell	Soderquist Canal	Irrig.	2.33	36	13	45	Deuel	June	29	1915	1420	
Lodgepole Cr.	Neuman, A. G.	Chappell	Neuman Canal	Irrig.	1.03	26	13	45	Deuel	Jan.	5	1916	1445	
Lodgepole Cr.	Bentley, Bertha M.	Sidney	Bentley Reservoir	Dom.	+50AF	34	14	50	Cheyenne	Feb.	14	1917	1478	
Lodgepole Cr.	Sudman, Mrs. Minnie	Chappell	Sudman Canal	Irrig.	.79	22	13	45	Deuel	Apr.	5	1917	1483	
Lodgepole Cr.	McAuliffe, Beulah	Omaha	McAuliffe Canal	Irrig.	1.77	21	13	45	Deuel	Oct.	6	1919	1559	

Lodgepole Cr.	Ruttner, Joseph B.	Sunol	Howard-Ruttner Canal	Irrig.	.20	31	14	47	Cheyenne	Mar.	7	1922	1645
Lodgepole Cr.	Stuht, Fred W.	Sidney	Stuht Canal	Irrig.	.40	32	14	49	Cheyenne	Apr.	26	1922	1659
Lodgepole Cr.	Gieseking, C. H.	Altamont, Illinois	Gieseking Canal	Irrig.	.90	20	15	55	Kimball	Mar.	31	1926	1801
Lodgepole Cr.	McIntosh, Grace	Sidney	Bluhm Canal	Irrig.	1.00	36	14	48	Cheyenne	May	24	1926	1811
Lodgepole Cr.	Stahla, Phillip	Kimball	Kinney Canal	Irrig.	.20	31	15	56	Kimball	July	14	1926	1828
Lodgepole Cr.	Wearin, Wm. H.	Carleton	Wearin Canal	Irrig.	1.50	8	14	58	Kimball	Sept.	28	1926	1864
Lodgepole Cr.	Rodman, Walter M.	Kimball	Bennet Reservoir Enlargement	Irrig.	†262A	22	15	55	Kimball	Jan.	13	1928	1974
(See A-657)	Rodman, Walter M.	Kimball	Bennet Res. Canal	Irrig.		22	15	55	Kimball	Jan.	13	1928	1975
Lodgepole Cr.	Peterson, Geo. H.	Chappell	Peterson Canal	Irrig.	.66	26	13	45	Deuel	Apr.	17	1928	2006
Lodgepole Cr.	McLernon, Mrs. Emma	Sidney	McLernon Canal	Irrig.	.24	31	14	49	Cheyenne	Sept.	1	1928	2027
Lodgepole Cr.	Pantenburg, Wm. F.	Sidney	Pantenburg Canal	Irrig.	1.00	34	14	49	Cheyenne	Nov.	15	1929	2113
Lodgepole Cr.	Thorstensen, Nels	Potter	Thorstensen Pump	Irrig.	.29	7	14	51	Cheyenne	Mar.	10	1936	2569
Lodgepole Cr.	Anderson, Harry	Sidney	Anderson Pump	Irrig.	.20	10	14	51	Cheyenne	Feb.	14	1938	2839
Lodgepole Cr.	Peetz, John	Sidney	Peetz Pump	Irrig.	.20	35	14	49	Cheyenne	Feb.	21	1939	2909
Lodgepole Cr.	Radcliffe, C. S.	Sidney	Radcliffe Pumps	Irrig.	.41	31	14	49	Cheyenne	Dec.	21	1939	3064
						6	13	49					
Lodgepole Cr.	Fuller, Mrs. Jessie L.	Sidney	Fuller Canal No. 1	Irrig.	.33	20	14	50	Cheyenne	June	25	1940	3191
Springs	Oberfelder, R. S.	Sidney	Oberfelder Canal	Irrig.	2.29	31	14	46	Cheyenne	May	29	1889	307
Springs	Chambers, Chas. P., Estate	Sidney	Private Canal	Irrig.	.04	14	13	51	Cheyenne	Mar.	19	1895	335
Springs	Libby, H. H., Estate.	Lodgepole	Spring Branch Canal	Irrig.	.29	36	14	47	Cheyenne	July	1	1901	623

"R" Denotes relocation.

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-F

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Nemaha River...	City of Falls City.....	Falls City.....	City Supply.....	Dom.	4.63	22	1	16E	Richardson.....	Aug.	5	1936	.....	2605
Nemaha River, North Fork	C. B. & Q. R. R. Co.....	Lincoln.....	C. B. & Q. Water Supply	Dom.	1.00	33	3	12E	Pawnee.....	Aug.	8	1922	.....	1687
Nemaha River, North Fork	Estes, E. B.....	Tecumseh.....	Estes Pumps.....	Irrig.	1.43	19	5	11E	Johnson.....	Aug.	15	1930	.....	2159
Nemaha River, North Fork (Drainage Channel)	Goracke, Roy C.....	Tecumseh.....	Goracke Pumps.....	Irrig.	4.20	13	5	10E	Johnson.....	May	4	1934	.....	2377
Nemaha River, North Fork (Drainage Channel)	Goracke, Raymond A.....	Tecumseh.....	Goracke Pumps.....	Irrig.	.54	14	5	10E	Johnson.....	July	16	1934	.....	2428
Nemaha River, North Fork (Drainage Channel)	Goracke, Joe.....	St. Mary.....	Goracke Pumps.....	Irrig.	1.12	14	5	10E	Johnson.....	Sept.	26	1934	.....	2478
Nemaha River, North Fork	City of Humboldt.....	Humboldt.....	Humboldt Lake Supply Canal	Resort	425A	10	2	13E	Richardson.....	June	20	1935	.....	2551
Nemaha River, North Fork	City of Tecumseh.....	Tecumseh.....	City Supply.....	Dom.	2.30	33	5	11E	Johnson.....	Sept.	5	1936	.....	2634
Nemaha River, North Fork	Elk Creek Recreation Club	Elk Creek.....	Elk Lake Reservoir..	Fish	.25	1	4	11E	Johnson.....	Apr.	26	1938	.....	2864
Nemaha River, North Fork	Binder, W. R.....	Table Rock.....	Binder Pump.....	Irrig.	1.54	33	3	12E	Pawnee.....	Jan.	24	1940	.....	3086
Nemaha R., Lit.	Clarke, J. E.....	Brock.....	Cedar Drive Stock Farm Pumps	Irrig.	1.23	25	6	13E	Nemaha.....	Nov.	20	1937	.....	2806
Nemaha R. Lit.	Missouri Pacific Railway Corporation	St. Louis, Mo	Missouri Pacific Railroad Water Supply..	Dom.	3.00	15	5	14E	Nemaha.....	May	11	1938	.....	2873
Rock Creek.....	Stevenson, Julien R.....	Nebraska City	Stevenson Pump.....	Irrig.	.70	30	7	14E	Otoe.....	Dec.	5	1936	.....	2668

Walnut Creek....	Kimmel, R. P.....	Nebraska City	Kimmel Pump.....	Irrig.	.46	36	9	13E	Otoe.....	Aug.	27	1936	.....	2625
Weeping Water Creek	Gilmore, Chas.....	Weeping Water	Gilmore Pond.....	Ice	8.00	2	10	11E	Cass.....	Aug.	5	1909	.....	955
Weeping Water Creek	University of Nebraska	Lincoln.....	University Pump.....	Irrig.	.57	35	10	13E	Cass.....	Nov.	27	1936	.....	2664
Weeping Water Creek	Department of Roads and Irrigation	Lincoln.....	Nebraska State Pump	Irrig.	.71	35	10	13E	Cass.....	Jan.	18	1937	.....	2681

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Ash Creek.....	Swenson, John E.....	Eddyville.....	Tierney Pump.....	Irrig.	2.95	7	14	20	Custer.....	May	17	1932	.....	2271
Barnum Creek.....	Sheldon, Charles H.....	Columbus.....	Sheldon Pump No. 1.....	Irrig.	.13	31	17	1E	Platte.....	Nov.	4	1939	.....	3007
Barnum Creek.....	Mueller, Paul.....	Columbus.....	Mueller Pump.....	Irrig.	.06	36	17	1	Platte.....	Jan.	27	1940	.....	3087
‡Beaver Creek.....	Quackenbush, J. W.....	Albion.....	Pioneer Canal.....	Irrig.	3.57	22	20	6	Boone.....	Dec.	8	1894	287	.....
Beaver Creek.....	Long, Wm. M.....	Genoa.....	Windmill Project.....	Irrig.	.14	14	17	4	Nance.....	Mar.	31	1896	.....	277
Beaver Creek.....	Central Electric and Telephone Co.	Sioux City, Iowa	Albion Power Plant.....	Power	67.00	26	20	6	Boone.....	Oct.	3	1901	.....	639
Beaver Creek.....	Iowa-Nebraska Light and Power Co.	Lincoln.....	St. Edward Plant.....	Power	130.00	27	19	5	Boone.....	Feb.	11	1911	.....	1058
Beaver Creek.....	Central Electric and Telephone Co.	Sioux City, Iowa	Albion Power Plant.....	Power	70.00	26	20	6	Boone.....	Feb.	20	1917	.....	1480
Beaver Creek.....	Umbarger, Arthur.....	Genoa.....	Umbarger Pump.....	Irrig.	.99	10	17	4	Nance.....	July	8	1933	.....	2329
Beaver Creek.....	Peterson, Homer S.....	St. Edward.....	Peterson Pump.....	Irrig.	.64	18	18	4	Platte.....	Sept.	10	1934	.....	2471
Beaver Creek.....	Peterson, Henry M.....	St. Edward.....	Peterson Pump.....	Irrig.	.63	2	18	5	Boone.....	Aug.	7	1935	.....	2554
Beaver Creek.....	Self, Irene.....	Omaha.....	Self Pump.....	Irrig.	.38	20	19	5	Boone.....	June	19	1936	.....	2582
Beaver Creek.....	Battles, S. T.....	Genoa.....	Battles Pump.....	Irrig.	.19	14	17	4	Nance.....	Oct.	21	1936	.....	2647
Beaver Creek.....	Kellner, Maurine H.....	Tuscon, Ariz	Kellner Pump.....	Irrig.	.50	10	21	7	Boone.....	Dec.	1	1936	.....	2665
Beaver Creek.....	Delarm, Ara V.....	Albion.....	Delarm Pump.....	Irrig.	.27	3	21	7	Boone.....	Mar.	26	1937	.....	2722
Beaver Creek.....	State Board of Control	Lincoln.....	Genoa State Hospital Canal	Irrig.	1.28	29	18	4	Nance.....	Apr.	21	1937	.....	2735
Beaver Creek.....	Myers, A. A.....	Albion.....	Myers Pump.....	Irrig.	.71	1	20	7	Boone.....	Sept.	1	1937	.....	2779
Beaver Creek.....	Qualsett, Olaf.....	Petersburg.....	Qualsett Pump.....	Irrig.	.29	30	22	7	Boone.....	Nov.	16	1937	.....	2803
Beaver Creek.....	Watson, W. B.....	Albion.....	Watson Pump.....	Irrig.	.44	16	19	5	Boone.....	Dec.	2	1937	.....	2811
Beaver Creek.....	Kent-Burke Co.....	Genoa.....	Genoa Ranch Canal.....	Irrig.	.29	24	17	4	Nance.....	Dec.	6	1937	.....	2812
Beaver Creek.....	Olson, Frank, Estate	Genoa.....	Olson Pump.....	Irrig.	.47	15	17	4	Nance.....	Feb.	8	1938	.....	2835
Beaver Creek.....	Mansfield, F. E.....	Albion.....	Mansfield Pumps.....	Irrig.	.38	36	20	6	Boone.....	Feb.	21	1938	.....	2840
					.72	31	20	5						
Beaver Creek.....	Harris, Thomas.....	St. Edward.....	Harris Pump.....	Irrig.	.39	27	19	5	Boone.....	Mar.	8	1938	.....	2843
Beaver Creek.....	Gillespie, H. H.....	Boone.....	Gillespie Pump.....	Irrig.	.59	8	19	5	Boone.....	Mar.	15	1938	.....	2846
Beaver Creek.....	Hunter, Elga B.....	Albion.....	Hunter Pump.....	Irrig.	.52	10	21	7	Boone.....	Mar.	24	1938	.....	2856
Beaver Creek.....	Battles, Newell H.....	Genoa.....	Newell H. Battles Pump	Irrig.	.69	14	17	4	Nance.....	Oct.	27	1938	.....	2893

Beaver Creek.....	Ohlson, C. L.....	Petersburg.....	Ohlson Pump.....	Irrig.	1.39	4 21	7	Boone.....	May	25	1939	.....	2926
Beaver Creek.....	Stretter, S. W.....	Petersburg.....	Stretter Pump.....	Irrig.	.13	32 22	7	Boone.....	Aug.	14	1939	.....	2950
Beaver Creek.....	Blough, L. N.....	Tecumseh.....	Blough Pump.....	Irrig.	.35	10 21	7	Boone.....	Sept.	21	1939	.....	2969
Beaver Creek.....	Price, W. S.....	Albion.....	Price Pump.....	Irrig.	.41	16 20	6	Boone.....	Feb.	27	1940	.....	3096
Beaver Creek.....	Shaffer, C. J.....	St. Edward.....	Shaffer Pump.....	Irrig.	.25	2 18	5	Boone.....	Apr.	10	1940	.....	3132
Beaver Creek.....	Blough, L. N.....	Tecumseh.....	Blough Pump.....	Irrig.	.04	10 21	7	Boone.....	Apr.	18	1940	.....	3140
Beaver Creek.....	Hall, Edward C.....	St. Edward.....	Hall Pump No. 1.....	Irrig.		12 18	5	Boone.....	Aug.	17	1940	.....	3234*
Bogus Creek.....	Fisher, Fred.....	St. Edward.....	Fisher Pump.....	Irrig.	1.02	11 18	5	Boone.....	May	11	1937	.....	2741
Bogus Creek.....	Hall, Edward C.....	St. Edward.....	Hall Pump No. 2.....	Irrig.		12 18	5	Boone.....	Sept.	5	1940	.....	3255*
Calamus River.....	Calamus Irrig. Dist..	Harrop.....	Calamus Canal.....	Irrig.	121.18	5 24	20	Loup.....	Oct.	31	1925	.....	1785
Calamus River.....	Calamus Irrig. Dist..	Harrop.....	Calamus Reservoir.....	Irrig.	†650AF	5 24	20	Loup.....	June	8	1926	.....	1816
Calamus River.....	Calamus Irrig. Dist..	Harrop.....	Calamus Canal.....	Irrig.	4.86	5 24	20	Loup.....	Jan.	12	1927	.....	1883
Calamus River.....	Phillipps, J. C., et al	Burwell.....	Phillipps Pump.....	Irrig.	.53	25 25	21	Brown.....	June	13	1932	.....	2273
Cedar River.....	Central Power Co.....	Grand Island	Van Ackeren Plant.....	Power	290.00	5 18	7	Boone.....	May	1	1881	1049	.....
Cedar River.....	Iowa-Nebraska Light and Power Co.	Lincoln.....	Fullerton Power Plant	Power	200.00	11 16	6	Nance.....	Sept.	9	1901	.....	636
Cedar River.....	Western Public Service Company	Scottsbluff...	Ericson Power Plant..	Power	175.00	25 21	12	Wheeler.....	May	24	1915	.....	1415
Cedar River.....	Western Public Service Company	Scottsbluff...	Ericson Power Plant..	Rs. dam A-1415		25 21	12	Wheeler.....	May	17	1929	.....	2081
Cedar River.....	Iowa-Nebraska Light and Power Co.	Lincoln.....	Fullerton Power Plant	Rs. dam A-636	250.00	11 16	6	Nance.....	Aug.	8	1922	.....	1686
Cedar River.....	Iowa-Nebraska Light and Power Co.	Lincoln.....	Fullerton Power Plant	Rs. dam A-636 A-1686		11 16	6	Nance.....	Jan.	27	1925	.....	1758
Cedar River.....	Christensen, Chas.....	Fullerton.....	Christensen Pump.....	Irrig.	2.37	30 17	6	Nance.....	Sept.	29	1931	.....	2240
Cedar River.....	Maxwell, David Edw.	Columbus.....	Maxwell Pumps.....	Irrig.	4.01	23 19	8	Boone.....	Feb.	14	1934	.....	2364
Cedar River.....	Haggerty, John C.....	Spalding.....	Haggerty Pump.....	Irrig.	.30	34 20	9	Greeley.....	May	31	1934	.....	2390
Cedar River.....	Haggerty, John C.....	Spalding.....	Haggerty Pump.....	Irrig.	.76	34 20	9	Greeley.....	July	20	1936	.....	2592
Cedar River.....	Kinnier, Susan, et al	Spalding.....	Kinnier Pump.....	Irrig.	.57	28 20	9	Greeley.....	Aug.	17	1936	.....	2617
Cedar River.....	Dobson, W. H. et al	Cedar Rapids	Dobson Pump.....	Irrig.	2.09	25 19	8	Boone.....	Feb.	24	1937	.....	2702
Cedar River.....	Puetz, John M.....	Primrose.....	Puetz Pump.....	Irrig.	.65	17 19	8	Boone.....	Nov.	22	1937	.....	2807
Cedar River.....	Batenhorst, Mrs. Anna	Cedar Rapids	Batenhorst Pump.....	Irrig.	2.00	15 18	7	Boone.....	Dec.	29	1937	.....	2819
Cedar River.....	Scott, W. J., et al.....	Cedar Rapids	Bevins Pump.....	Irrig.	1.09	9 18	7	Boone.....	Jan.	25	1938	.....	2830
Cedar River.....	Homan, John M.....	Cedar Rapids	Homan Pump.....	Irrig.	.81	9 18	7	Boone.....	Feb.	7	1938	.....	2834

*Application pending.

†Represents reservoir capacity alleged by applicant.

‡See appropriations under Mud (Beaver) Creek.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Cedar River.....	Abbey, George B.....	Kalamazoo, Mich.	Abbey Pump.....	Irrig.	.89	1	17	7	Nance.....	Oct.	4	1938	.....	2887
Cedar River.....	Noble, Leah E.....	Lincoln.....	Noble Pump.....	Irrig.	.49	32	19	7	Boone.....	Nov.	19	1938	.....	2895
Cedar River.....	Cedar Valley Public Power and Irrig. District	Cedar Rapids	Cedar Valley Canal...	Irrig.		5	20	10	Greeley.....	Apr.	24	1939	.....	2916a*
Cedar River.....	Cedar Valley Public Power and Irrig. District	Cedar Rapids	Cedar Valley Canal...	Irrig.		5	20	10	Greeley.....	Apr.	24	1939	.....	2916b*
Cedar River.....	Cedar Valley Public Power and Irrig. District	Cedar Rapids	Cedar Valley Canal...	Irrig.		22	19	8	Boone.....	Apr.	24	1939	.....	2916c*
Cedar River.....	Cedar Valley Public Power and Irrig. District	Cedar Rapids	Cedar Valley Res.....	Irrig.		4	20	11	Greeley.....	May	11	1939	.....	2921*
Cedar River.....	Hodges, Herbert and Herbert F.	Fullerton.....	Hodges Pump.....	Irrig.	.23	31	17	6	Nance.....	Sept.	30	1939	.....	2979
Cedar River.....	Vanderheiden, Louis L.	Cedar Rapid	Vanderheiden Pump...	Irrig.	.41	5	18	7	Boone.....	Oct.	20	1939	.....	2993
Cedar River.....	Lowery, J. B.....	Burwell.....	Lowery Pump.....	Irrig.	.29	21	24	14	Garfield.....	Nov.	22	1939	.....	3027
Cedar River.....	Palmer, George.....	Fullerton.....	Palmer Pump.....	Irrig.	.15	33	17	6	Nance.....	Dec.	15	1939	.....	3051
Cedar River.....	McCart, Martha Y., et al	Coffeyville... Kansas.	McCart-Frenzen Pump	Irrig.	.53	29	17	6	Nance.....	Jan.	8	1940	.....	3071
Cedar River.....	Foland, Ona B.....	Anaheim, Calif.	Foland Pump.....	Irrig.		33	17	6	Boone.....	Aug.	17	1940	.....	3233*
Cedar River.....	Homan, Peter N.....	Cedar Rapids	Peter Homan Pump...	Irrig.		31	19	7	Boone.....	Sept.	9	1940	.....	3257*
Cedar River.....	Miller, Jacob.....	Primrose.....	Puetz-Miller Pump.....	Irrig.		17	19	8	Boone.....	Sept.	12	1940	.....	3264*
Clear Creek.....	Sherbeck, Albert I., Estate	Westerville...	Sherbeck Pumps.....	Irrig.	4.13	5	16	17	Custer.....	Feb.	7	1927	.....	1894
Clear Creek.....	Dean, Paul H.....	Broken Bow	Sutton Pump.....	Irrig.	2.43	36	16	17	Custer.....	Oct.	18	1927	.....	1962
Clear Creek.....	Lowery, Maurice T.	Mason City...	Lowery Pump.....	Irrig.	1.11	1	15	17	Custer.....	Aug.	22	1928	.....	2026
Clear Creek.....	Dean, Paul H.....	Broken Bow	Dean Pump.....	Irrig.	2.00	22	16	17	Custer.....	Oct.	9	1928	.....	2040

Clear Creek.....	Banker, Louis, Jr.....	Litchfield.....	Banker Pump.....	Irrig.	.13	36	14	16	Sherman.....	Mar.	30	1934	.....	2370
Clear Creek.....	Vansant, J. A. and Scott, G. H.	Ansley.....	Vansant-Scott Pump.....	Irrig.	.96	27	17	18	Custer.....	Dec.	15	1938	.....	2900
Clear Creek.....	Heapy, Albert.....	Litchfield.....	Heapy Pump.....	Irrig.	.15	10	14	16	Sherman.....	Nov.	2	1939	.....	3004
Clear Creek.....	Casteel, A.....	Ansley.....	Casteel Pump.....	Irrig.	.93	1	16	18	Custer.....	Dec.	12	1939	.....	3049
Cold Spring Cr.	Ballweg, Michael.....	Spalding.....	Ballweg Pump.....	Irrig.	.84	11	20	10	Greeley.....	Mar.	14	1940	.....	3118
Columbus Drain Ditch	Luchsinger, Ernst.....	Columbus.....	Luchsinger Pump.....	Irrig.	1.23	9	17	1E	Platte.....	May	24	1940	.....	3165
Cow Creek.....	Hanna, Don E.....	Brownlee.....	Homestead Canal.....	Irrig.	2.29	7	26	27	Cherry.....	July	14	1894	194	.....
Dane Creek.....	Koupal, Frank.....	Ord.....	Koupal Canal.....	Irrig.	.14	20	19	14	Valley.....	July	5	1912	.....	1207
Davis Creek.....	Christensen, Martin..	Solvang, Cal	Christensen Pump.....	Irrig.	.25	7	16	12	Howard.....	Aug.	4	1937	.....	2769
Dismal River...	Van Antwerp, A. J., et al	Broken Bow	Dismal Canal.....	Irrig.		21	21	26	Thomas.....	Aug.	18	1938	.....	2880*
Elm Creek.....	Rogers, Wilber A.....	Ord.....	Rogers Pump.....	Irrig.	1.68	25	19	14	Valley.....	Sept.	30	1929	.....	2107
Goose Creek.....	Erickson, P. C. and J. M.	Brewster.....	Erickson Canal.....	Irrig.	8.00	18	25	24	Brown.....	Apr.	3	1895	209	.....
Goose Creek.....	Giles, R. P., et al.....	Elsmere.....	Giles Canal.....	Irrig.	10.00	2	25	25	Cherry.....	June	1	1895	187	.....
Goose Creek.....	Crook, F.....	Giles.....	Crook Canal.....	Irrig.	6.80	33	25	24	Brown.....	June	2	1896	.....	345
Goose Creek.....	Fink, C. E.....	Elsmere.....	Empire Ranch Canal	Irrig.	1.62	35	26	25	Cherry.....	June	11	1934	.....	2405
Goose Creek.....	Giles, Richard, et al.	Elsmere.....	Giles Canal.....	Irrig.		35	26	25	Cherry.....	Aug.	14	1934	.....	2462b*
Gracie Creek.....	Shoemaker, A. E.....	Burwell.....	Gracie High Line Canal	Irrig.	.29	29	23	17	Loup.....	July	9	1897	.....	397
Ground Water.	Myers, Morris E.....	Eddyville.....	Myers Well.....	Irrig.		16	14	20	Custer.....	Sept.	3	1940	.....	3253*
Homan Creek...	Homan, Matt.....	CedarRapids	Homan Pump.....	Irrig.	1.40	31	19	7	Boone.....	Jan.	6	1938	.....	2820
Lake Creek.....	Toman, Joseph C.....	St. Paul.....	Toman Lake Res.....	Resort	+15A	F	36	15	10	Howard.....	Nov.	11	1936	2658
Lillian Creek...	Davis, Frank J.....	Broken Bow	Davis Pump.....	Irrig.	4.90	1	19	20	Custer.....	Feb.	7	1927	.....	1895

*Application pending.

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			County	Date of Priority			Doc. No.	App. No.
						S	T	R		Mo.	D	Yr.		
Lillian Creek.....	Meyers, W. F.....	Broken Bow	Myers Canal.....	Irrig.	.11	15	19	20	Custer.....	Aug.	30	1927	.....	1956
Looking Glass Creek	Girard, E. A. and F. H	Monroe.....	Monroe Canal.....	Irrig.	2.86	1	17	3	Platte.....	June	12	1894	289	.....
Loseke Creek.....	Klug, Arthur and Emil	Columbus.....	Klug Pump.....	Irrig.	.27	13	18	1E	Platte.....	Nov.	2	1939	.....	3005
Lost Creek..... (Warm Slough)	Travelers Insurance Company	Omaha.....	Dworak Pump.....	Irrig.	1.30	28	17	3E	Colfax.....	Oct.	12	1928	.....	2041
Lost Creek (Slough)	Ballou, James.....	Schuyler.....	Ballou Reservoir.....	Resort	†14AF	29	17	3E	Colfax.....	June	11	1934	.....	2406
Lost Creek.....	Ballou, James.....	Schuyler.....	Ballou Pump.....	Irrig.	.91	29	17	3E	Colfax.....	Aug.	28	1936	.....	2628
Lost Creek.....	City of Schuyler.....	Schuyler.....	Community Park Res.	Resort	†15AF	21	17	3E	Colfax.....	May	15	1937	.....	2742
Lost Creek.....	Reisch, Mary.....	Springfield, Ill.	Reisch Pump.....	Irrig.	.51	21	17	2E	Colfax.....	Jan.	7	1938	.....	2824
Lost Creek.....	Oehlich, Herman, et al	Columbus.....	Oehlich Pump.....	Irrig.	.76	20	17	2E	Colfax.....	Nov.	15	1939	.....	3018
Lost Creek.....	Siefken, John H.....	Columbus.....	Siefken Pump.....	Irrig.	.25	30	17	2E	Colfax.....	Dec.	15	1939	.....	3054
Lost Creek.....	Hellbusch, Herman.....	Columbus.....	Hellbusch Pump.....	Irrig.	.57	18	17	1E	Platte.....	Dec.	18	1939	.....	3059
Loup River.....	Loup River Public Power District	Columbus.....	Columbus-Genoa Power Canal	Power	3500.00	6	16	4	Nance.....	Sept.	15	1932	.....	2287**
Loup River.....	Loup River Public Power District	Columbus.....	Columbus-Genoa Power Canal	Incr. Hd A-2287		6	16	4	Nance.....	Apr.	4	1936	.....	2573
Loup River.....	Grant, William.....	Lincoln.....	Nebraska Utilities Hydroelectric Plant.	Power		26	17	4	Nance.....	Jan.	10	1933	.....	2295*
Loup River.....	Forbes, J. A.....	Palmer.....	Forbes Pump.....	Irrig.	.16	16	15	8	Nance.....	Oct.	18	1939	.....	2989
Loup River.....	Sheldon, Charles H.....	Columbus.....	Sheldon Pump No. 2	Irrig.	.15	25	17	1	Platte.....	Nov.	4	1939	.....	3008
Loup River.....	Carter, Kathryn.....	Columbus.....	Carter Pump.....	Irrig.	.70	6	16	4	Nance.....	Feb.	23	1940	.....	3093
Loup River.....	Forbes, J. A.....	Palmer.....	Forbes Pump.....	Irrig.	.57	16	15	8	Nance.....	June	4	1940	.....	3171
Loup River.....	Santin and Vaughn.....	Fullerton.....	Santin-Vaughn Pump	Irrig.		6	15	6	Nance.....	Aug.	8	1940	.....	3227*

DEPARTMENT OF ROADS AND IRRIGATION

Loup R. Middle	vice Company Muhlback, Fred.....	Mullen.....	Power Plant Mullen Grist and Light Plant	Power	124.00	6	24	32	Hooker.....	Mar.	12	1912	1185
Loup R. Middle	St. Paul Electric Light Works	St. Paul.....	St. Paul Power Plant..	Power	2000.00	3	14	10	Howard.....	Aug.	12	1912	1216
Loup R. Middle	Western Public Ser- vice Company	Scottsbluff...	Lundy Mill and Power Plant	Rs. dam D-1024	400.00	4	19	19	Custer.....	Sept.	16	1912	1224
Loup R. Middle	United States of America	Halsey.....	Bessey Nursery Canal	Irrig.	1.00	3	22	26	Thomas.....	Sept.	16	1912	1226
Loup R. Middle	Midwest Life In- surance Company	Lincoln.....	Loup Valley Canal...	Irrig.	.86	36	20	21	Custer.....	May	31	1913	1294
Loup R. Middle	Central Power Co.....	Grand Island	Boelus Power Canal	Power	1000.00	30	13	12	Howard.....	July	14	1914	1373
Loup R. Middle	C. B. & Q. R. R. Co..	Lincoln.....	Seneca Pipe Line.....	Dom.	.50	18	24	30	Thomas.....	Dec.	28	1914	1396
Loup R. Middle	Stancilff, E. L.....	St. Louis,	Arcadia Power Plant	Power		35	18	17	Custer.....	Apr.	4	1927	1918*
	Mo.												
Loup R. Middle	Knapp, Harry R.....	Broken Bow.	Knapp Pump.....	Irrig.	5.49	32	15	14	Sherman.....	July	18	1927	1943
Loup R. Middle	Klausen, Paul.....	Rockville..	Klausen Canal.....	Irrig.	2.17	36	14	14	Sherman.....	Aug.	14	1929	2095
Loup R. Middle	John, Vincent L.....	Loup City....	John Canal.....	Irrig.	.59	18	15	14	Sherman.....	Sept.	18	1929	2105
Loup R. Middle	Obermiller, John.....	Farwell.....	Obermiller Pump.....	Irrig.	.97	28	13	12	Howard.....	May	7	1930	2139
Loup R. Middle	Haesler, John.....	Loup City....	Haesler Pump.....	Irrig.	1.75	13	15	15	Sherman.....	July	27	1931	2222
Loup R. Middle	U. S. Forest Service.	Halsey.....	Bessey Nursery Canal	Irrig.	.30	3	22	26	Thomas.....	July	30	1931	2223
Loup R. Middle	Middle Loup Public Power & Irrig. Dist.	Arcadia.....	Middle Loup Hydroelectric Plant..	Power		35	18	17	Custer.....	Dec.	28	1932	2292*
Loup R. Middle	Middle Loup Public Power & Irrig. Dist.	Arcadia.....	Canal No. 1 (South)..	Irrig.	26.83	10	19	18	Custer.....	Dec.	28	1932	2293**
			Canal No. 2 (North)..	Irrig.	61.00	10	19	18	Custer.....	Dec.	28	1932	2293**
			Canal No. 3.....	Irrig.	126.60	1	17	17	Custer.....	Dec.	28	1932	2293**
			Canal No. 4.....	Irrig.	84.58	36	18	17	Custer.....	Dec.	28	1932	2293**
Loup R. Middle	Books, William J.....	Broken Bow.	Books Pump.....	Irrig.	1.36	36	20	21	Custer.....	July	8	1933	2330
Loup R. Middle	Leininger, John P.....	Loup City....	Leininger Pump.....	Irrig.	.93	12	15	15	Sherman.....	June	2	1934	2395
Loup R. Middle	Rankin, Mary L.....	Broken Bow.	Rankin Canal.....	Irrig.	14.50	4	21	23	Blaine.....	Sept.	22	1934	2477
Loup R. Middle	Rankin, Mary L.....	Broken Bow.	McMillan Canal.....	Irrig.	6.97	23	21	22	Blaine.....	Sept.	22	1934	2477R
Loup R. Middle	Middle Loup Public Power & Irrig. Dist.	Arcadia.....	Canal No. 1 (South)..	Irrig.	3.00	10	19	18	Custer.....	Jan.	4	1937	2678
			Canal No. 2 (North)..	Irrig.	7.93	10	19	18	Custer.....	Jan.	4	1937	2678
			Canal No. 3.....	Irrig.	4.00	1	17	17	Custer.....	Jan.	4	1937	2678
			Canal No. 4.....	Irrig.	14.68	36	18	17	Custer.....	Jan.	4	1937	2678
Loup R. Middle	McMillan, J. M., et al	Theford.....	McMillan Canal.....	Irrig.	8.21	23	21	22	Blaine.....	Oct.	22	1937	2797

*Application pending.

†Represents reservoir capacity alleged by applicant.

"R" Denotes relocation.

**By stipulation entered into by each of the following districts, the Loup River Public Power District is subsequent in priority to Application 2293 filed by the Middle Loup Public Power and Irrigation District, and Application 2312 filed by the North Loup River Public Power and Irrigation District.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam.			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Loup R. Middle	Vandeventer, A.....	Dunning.....	A. Vandeventer Pump	Irrig.	1.10	30	22	24	Blaine.....	Oct.	7	1938	2888	
Loup R. Middle	Green, J. C., et al.....	Sargent.....	Milburn-Sargent canal	Irrig.		15	21	22	Blaine.....	Sept.	23	1939	2970*	
Loup R. Middle	Drobny, Lad.....	Martin, S. D.	Drobny Pump.....	Irrig.	1.28	35	18	17	Custer.....	Oct.	23	1939	2995	
Loup R. Middle	Game Forestation & Parks Commission	Lincoln.....	Loup City State Lake	Resort	†140AF	11	15	15	Sherman.....	Dec.	15	1939	3052	
Loup R. Middle (Broadmouth Canyon)	Sargent Public Irrig. District	Sargent.....	Broadmouth Reservoir	Irrig.		15	21	22	Blaine.....	Mar.	6	1940	3105*	
Loup R. Middle (Winnegar Canyon)	Sargent Public Irrig. District	Sargent.....	Winnegar Reservoir...	Irrig.		15	21	22	Blaine.....	Mar.	6	1940	3106*	
Loup R. Middle (Winnegar Canyon)	Sargent Public Irrig. District	Sargent.....	Lower Winnegar Res.	Irrig.		15	21	22	Blaine.....	Mar.	6	1940	3107*	
Loup R. Middle (Kissell Ravine)	Sargent Public Irrig. District	Sargent.....	Kissell Reservoir.....	Irrig.		15	21	22	Blaine.....	Mar.	6	1940	3108*	
Loup R. Middle	Lundy, Laura E.....	Lincoln.....	Doris Lake Canal.....	Irrig.		9	19	19	Custer.....	June	25	1940	3190	
Loup R. Middle	Ogle, Arthur C.....	Loup City.....	Ogle Pump.....	Irrig.		4	14	14	Sherman.....	Sept.	13	1940	3250*	
Loup R., North	North Loup Power Company	North Loup..	Scotia Power Plant...	Power		27	17	12	Greeley.....	Mar.	31	1928	1995*	
Loup R., North	Steinmeyer, Geo. W..	Beatrice.....	North Loup Plant.....	Power		35	19	13	Valley.....	Apr.	26	1928	2011*	
Loup R., North	Naab, J. Peter.....	Burwell.....	Naab Pump.....	Irrig.	1.40	28	21	17	Loup.....	Aug.	3	1929	2091	
Loup R., North	Anderson Brothers Irrig. Company	Hastings.....	Anderson Pump.....	Irrig.	5.17	7	15	9	Howard.....	Apr.	5	1930	2131	
Loup R., North	Smith, Daniel B.....	Ord.....	Smith Pump.....	Irrig.	2.25	9	19	14	Valley.....	Aug.	6	1930	2154	
Loup R., North	Mortensen, Crawford, J.	Ord.....	Mortensen Pump.....	Irrig.	1.94	5	19	14	Valley.....	Aug.	8	1930	2155	
Loup R., North	Stewart, Wm. J.....	Ord.....	Stewart Pump.....	Irrig.	.54	9	19	14	Valley.....	Aug.	11	1930	2158	

Loup R., North	Blomquist, O. V.	Walla Walla Wash.	Blomquist Pump	Irrig.	1920	1919	1919	Howard	Nov.	20	1930	2110	
Loup R., North	Sailing, Ira L.	Cushing	Sailing Pump	Irrig.	.86	7	15	9	Howard	Jan.	14	1931	2187
Loup R., North	Cox, R. K.	Purdum	Cox Pumps	Irrig.	4.87	9	24	25	Blaine	Feb.	25	1932	2255
Loup R., North	Newton Irrig. Dist.	Moulton	Newton Canal	Irrig.	19.28	35	23	21	Blaine	Mar.	18	1932	2263
Loup R., North	North Loup River Public Power and Irrig. District	Ord	Taylor-Ord Canal	Irrig.	120.18	13	21	19	Loup	Mar.	28	1933	2312**
Loup R., North	North Loup River Public Power and Irrig. District	Ord	Ord-North Loup Canal	Irrig.	55.65	22	19	14	Valley	Mar.	28	1933	2312**
Loup R., North	North Loup River Public Power and Irrig. District	Ord	Burwell-Sumter Canal	Irrig.	62.17	14	21	16	Garfield	Mar.	28	1933	2312**
Loup R., North	North Loup River Public Power and Irrig. District	Ord	Sioux Creek Plant	Power		36	21	17	Loup	Mar.	28	1933	2313*
Loup R., North	North Loup River Public Power and Irrig. District	Ord	Ord Plant	Power		32	19	13	Valley	Mar.	28	1933	2313*
Loup R., North	North Loup River Public Power and Irrig. District	Ord	Fort Hartsuff Plant	Power		10	20	15	Valley	Mar.	28	1933	2313*
Loup R., North	Tetschner, Frank	Burwell	Tetschner Pump	Irrig.	.21	14	21	16	Garfield	May	24	1933	2323
Loup R., North	City of Ord	Ord	Municipal Pipe Line	Dom.	1.00	22	19	14	Valley	Jan.	5	1934	2349
Loup R., North	Cole, J. H. and W. B.	Taylor	Taylor-Ord Canal	Irrig.	1.31	13	21	19	Loup	July	6	1934	2417R
Loup R., North	Bales, Henry A.	Burwell	Bales Pump	Irrig.	.65	11	21	16	Garfield	July	14	1934	2427
Loup R., North	Wells, Lee	Taylor	Well Pump	Irrig.	.74	20	21	18	Loup	Aug.	6	1934	2455
Loup R., North	Britton, Jack	Burwell	Britton Pump	Irrig.	1.00	26	21	18	Loup	Aug.	20	1934	2467
Loup R., North	Almeria Public Power and Irrig. Dist	Almeria	Almeria Canal	Irrig.	12.09	10	22	20	Loup	Aug.	28	1934	2469
Loup R., North (See A-2574)	Coble, W. C.	Whitman	Coble Canal	Irrig.	.48	20	28	35	Cherry	Oct.	10	1934	2485
Loup R., North (Coble Res.)	Coble, W. C.	Whitman	Coble Reservoir	Irrig.	†41A	20	28	35	Cherry	Oct.	10	1934	2486
Loup R., North (Coble Res.)	Coble, W. C.	Whitman	High Line Canal	Supple.	A-2485	20	28	35	Cherry	Oct.	10	1934	2574
Loup R., North (See A-2574)	Krebs, M. L., Estate	Scotia	Krebs Canal	Irrig.	1.75	27	17	12	Greeley	Feb.	26	1935	2520
Loup R., North (See A-2574)	Coble, W. C.	Whitman	High Line Canal	Irrig.	1.32	20	28	35	Cherry	Mar.	12	1935	2525
Loup R., North	Ferguson, Robert W.	Brewster	Ferguson Pump	Irrig.	1.32	36	23	21	Blaine	Sept.	8	1936	2635
Loup R., North	Wells and Kilpatrick	Cotesfield	Wells-Kilpatrick Pump	Irrig.	.12	12	16	12	Howard	Nov.	14	1936	2660
Loup R., North	Rusho, Robert	Taylor	Rusho Pump	Irrig.	1.11	33	22	19	Loup	Apr.	8	1937	2729
Loup R., North	Pemberton, James H.	Palmer	Pemberton Pump	Irrig.	.46	2	16	12	Howard	Sept.	27	1937	2790
Loup R., North	Blomquist, O. V.	Walla Walla Wash.	Blomquist Pump	Irrig.	.11	16	15	10	Howard	Nov.	27	1937	2808
Loup R., North	Van Diest, A. C.	Almeria	Newton Canal Ext.	Irrig.	2.22	35	23	21	Blaine	Apr.	26	1938	2863

*Application pending. †Represents reservoir capacity alleged by applicant. "R" Denotes relocation.
 **By stipulation entered into by each of the following districts, the Loup River Public Power District is subsequent in priority to Application 2293 filed by the Middle Loup Public Power and Irrigation District, and Application 2312 filed by the North Loup River Public Power and Irrigation District.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						Sec.-ft.	County			Mo.	D			Yr.
							S	T	R					
Loup R., North	Almeria Public Power and Irrig. Dist.	Almeria.....	Almeria Canal Ext....	Irrig.	13.65	10	22	20	Loup.....	Apr.	29	1938	.....	2868
Loup R., North	Cole, W. B., et al.....	Taylor.....	Almeria Canal Ext....	Irrig.	6.46	10	22	20	Loup.....	Apr.	30	1938	.....	2869
Loup R., North	Van Diest, A. C.....	Almeria.....	Van Diest Pump.....	Irrig.	.89	24	21	17	Loup.....	May	12	1938	.....	2874
Loup R., North	Newton Irrig. Dist....	Moulton.....	Newton Irrig. Canal..	Irrig.	.86	35	23	21	Blaine.....	May	29	1939	.....	2927
Loup R., North	Wegner, F. C.....	Palmer.....	Krebs Pump.....	Irrig.	.70	22	17	12	Greeley.....	Nov.	29	1939	.....	3032
Loup R., North	Lakin, Glenn C.....	Burwell.....	Lakin Pump.....	Irrig.	.24	14	21	16	Garfield.....	Apr.	15	1940	.....	3137
Loup R., North	City of Ord.....	Ord.....	Bussell Park Lake.....	Resort	.13	21	19		Loup.....	Apr.	27	1940	.....	3144 ^c
Loup R., North	McOstrich, Darrell B.	Ord.....	McOstrich Pump.....	Irrig.	.22	30	19	13	Valley.....	June	4	1940	.....	3177
Loup R., North	North Loup River	Ord.....	Taylor-Ord Canal.....	Irrig.		13	21	19	Loup.....	July	25	1940	.....	3215a*
	Public Power and		Burwell-Sumter	Irrig.		14	21	16	Garfield.....	July	25	1940	.....	3215b*
	Irrig. District		Canal											
			Ord-North Loup	Irrig.		22	19	14	Valley.....	July	25	1940	.....	3215c*
			Canal											
Loup R., North	Kent, Lulu.....	Burwell.....	Kent Pump.....	Irrig.	29	21	15		Garfield.....	Oct.	5	1936	.....	2644*
	Tributary to													
Loup R., South	Callaway Milling and Electric Company	Callaway.....	Callaway Mill.....	Power	83.00	2	15	23	Custer.....	Oct.	1	1889	988	.....
Loup R., South	Tillson, W. Z.....	Poole.....	Tillson Canal.....	Irrig.	15.57	29	12	15	Buffalo.....	Dec.	28	1894	236	.....
Loup R., South	Boblitz, E. J.....	Oconto.....	Boblitz Canal.....	Irrig.	.50	10	14	21	Custer.....	Jan.	17	1895	219a	.....
Loup R., South	Boblitz, E. J.....	Oconto.....	Boblitz Canal.....	Power	20.00	10	14	21	Custer.....	Jan.	17	1895	219b	.....
Loup R., South	Brown, A. D.....	Milldale.....	Brown Canal.....	Irrig.	.86	31	17	24	Custer.....	Feb.	23	1897	.....	363
Loup R., South	Hartzell, B. F.....	Logan.....	Hartzell Canal.....	Irrig.	.37	27	18	26	Logan.....	May	18	1897	.....	390
Loup R., South	C. B. & Q. R. R. Co.	Lincoln.....	Ravenna Pipe Line...	Dom.	.50	9	12	14	Buffalo.....	Dec.	24	1914	.....	1393
Loup R., South	Central Power Co.....	Grand Island	Grand Island Plant...	Power	840.00	35	13	12	Howard.....	Jan.	18	1915	.....	1400
Loup R., South	Perkins, Mrs. Ethel..	Arnold.....	Perkins Canal.....	Irrig.	3.77	25	17	25	Custer.....	Mar.	30	1928	.....	1994
Loup R., South	Shaw, Orren.....	Callaway.....	Finch Pump.....	Irrig.	2.30	9	16	24	Custer.....	Sept.	27	1928	.....	2037
Loup R., South	Quest, C. E.....	Boelus.....	Quest Canal.....	Irrig.	1.55	33	13	12	Howard.....	June	13	1930	.....	2143
Loup R., South	Roth, Fred.....	Ravenna.....	Roth Pump.....	Irrig.	.57	5	12	13	Buffalo.....	June	7	1934	.....	2400
Loup R., South	Wall, R. V.....	Logan.....	Wall Pump.....	Irrig.	.32	35	18	26	Logan.....	June	18	1934	.....	2410
Loup R., South	May, Jesse S.....	Callaway.....	May Pump.....	Irrig.	.75	15	15	22	Custer.....	Apr.	8	1937	.....	2730

Loup R., South	Turley, F. E.....	Arnold.....	Turley Pump.....	Irrig.	.32	6	16	24	Custer.....	May	7	1937	2740
Loup R., South	Pressey, H. E.....	Oconto.....	Pressey Pump No. 2.....	Irrig.	.19	10	14	21	Custer.....	Feb.	28	1938	2841
Loup R., South	Smith, Lizzie B.....	Long Beach, Calif.	Smith Pump.....	Irrig.	.77	16	15	22	Custer.....	Nov.	22	1939	3029
Loup R., South	First Trust Co.....	Lincoln.....	Wallace Pump.....	Irrig.	1.23	32	15	21	Custer.....	Feb.	7	1940	3089
Loup R., South	Bogue, H. C., et al....	Galesburg, Ill.	Bogue Pump.....	Irrig.	1.23	7	15	22	Custer.....	May	10	1940	3151
Loup R., South	Prudential Insurance Co.	Omaha.....	Dunn Pump.....	Irrig.	.45	10	14	21	Custer.....	June	21	1940	3186
Loup R., South	Glendy, Carl.....	Oconto.....	Glendy Pump.....	Irrig.	.66	13	14	21	Custer.....	July	6	1940	3195
Loup R., South	Hunter, Robert A.....	Pleasanton.....	Hunter-Bateman Pump	Irrig.	4.07	2	11	16	Buffalo.....	July	16	1940	3202
Loup R., South	Devine, Frank.....	Oconto.....	Devine Pump.....	Irrig.	2.61	20	14	20	Custer.....	July	23	1940	3208
Loup R., South	Glendy, Leonard O.....	Oconto.....	L. O. Glendy Pump.....	Irrig.	.25	13	14	21	Custer.....	July	26	1940	3218
Loup R., South	Popp, John.....	Mason City.....	Popp Pump.....	Irrig.	.26	23	13	19	Custer.....	July	29	1940	3220
Loup R., South	Meyers, Morris E.....	Eddyville.....	Morris Pump.....	Irrig.		20	14	20	Custer.....	Aug.	14	1940	3231*
Messenger Cr.....	Bartz, Paul.....	North Loup.....	Bartz Pump.....	Irrig.	.24	26	19	13	Valley.....	Dec.	20	1934	2501
Mira Creek.....	McClellan, C. W.....	North Loup.....	Mira Reservoir.....	Irrig.	+14AF	26	18	13	Valley.....	Mar.	8	1912	1182
(Mira Res.).....	McClellan, C. W.....	North Loup.....	McClellan Pumps.....	Irrig.		26	18	13	Valley.....	Mar.	8	1912	1239
						27	18	13					
Mira Creek.....	Hutchins, W. T.....	North Loup.....	Hutchins Dam.....	Irrig.	.03	26	18	13	Valley.....	Apr.	18	1916	1453
Mud (Beaver) Creek	Ravenna Mills.....	Ravenna.....	Ravenna Mills.....	Power		8	12	14	Buffalo.....				1037*
Mud (Beaver) Creek	Benson, C. W.....	Litchfield.....	Litchfield Mills.....	Power		33	14	16	Sherman.....				999*
Mud (Beaver) Creek	Mason City Roller Mill and Light Plant	Mason City.....	Mason City Mill and Light Plant	Power		31	15	17	Custer.....				1042*
Mud (Beaver) Creek	Penn, Chas.....	Broken Bow.....	Penn Canal.....	Irrig.	.50	33	17	20	Custer.....	Aug.	14	1894	215
Mud (Beaver) Creek	C. B. & Q. R. R. Co...	Lincoln.....	C.B.&Q. Water Supply	Dom.	1.00	8	12	14	Buffalo.....	July	26	1919	1550
Mud (Beaver) Creek	Lang, Geo. W.....	Litchfield.....	Lang Pump.....	Irrig.	1.21	13	14	17	Custer.....	Aug.	20	1926	1848

*Application pending or claim not adjudicated.
 †Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Mud (Beaver) Creek	Skochdopole, Ernest.....	Ravenna.....	Skochdopole Pump.....	Irrig.	2.10	1	12	15	Buffalo.....	Nov.	8	1926	1871	
Mud (Beaver) Creek	Wilson, Otis N.....	Litchfield.....	Wilson Pump.....	Irrig.	.51	14	14	17	Custer.....	Dec.	10	1926	1879	
Mud (Beaver) Creek	Vansant, J. A.....	Broken Bow	Vansant Pump...	Irrig.	.27	33	17	26	Custer.....	Dec.	13	1926	1880	
Mud (Beaver) Creek	Sorensen, U.....	Berwyn.....	Sorensen Pump.....	Irrig.	1.00	21	16	19	Custer.....	Jan.	14	1927	1884	
Mud (Beaver) Creek	Willoughby, C. D.....	Mason City..	Willoughby Pump.....	Irrig.	1.10	34	15	17	Custer.....	Feb.	8	1927	1896	
Mud (Beaver) Creek	Yanda, Geo. J.....	Ravenna.....	Yanda Pumps.....	Irrig.	.90	8	12	14	Buffalo.....	Apr.	4	1927	1920	
Mud (Beaver) Creek	Duke, R. H., et al.....	Mason City..	Dorsett-Duke-Amsberry Pump	Irrig.	2.41	31	15	17	Custer.....	Nov.	10	1928	2051	
Mud (Beaver) Creek	Leui, Harvey C.....	Broken Bow	Yeoman Pump.....	Irrig.	.47	18	16	19	Custer.....	Jan.	3	1929	2059	
Mud (Beaver) Creek	Tracy, R. N.....	Mason City..	Tracy Pump.....	Irrig.	.13	32	15	17	Custer.....	Apr.	23	1929	2079	
Mud (Beaver) Creek	Slote, E. A.....	Litchfield.....	Slote Pump.....	Irrig.	.64	33	14	16	Sherman.....	May	31	1934	2391	
Mud (Beaver) Creek	Haller, H. F.....	Litchfield.....	Haller Pump.....	Irrig.	.71	19	14	16	Sherman.....	July	13	1934	2423	
Mud (Beaver) Creek	Lang, J. R., Sr.....	Litchfield.....	Lang Pump.....	Irrig.	1.25	13	14	17	Custer.....	July	27	1934	2445	
Mud (Beaver) Creek	Dietrich, Catherine, et al	Ravenna.....	Dietrich Pump.....	Irrig.	1.26	4	12	15	Buffalo.....	Aug.	16	1934	2464	
Mud (Beaver) Creek	Perry, John J.....	Sweetwater..	Perry Pump.....	Irrig.	.47	3	12	15	Buffalo.....	Aug.	21	1936	2620	
Mud (Beaver) Creek	Amsberry, Rollie.....	Mason City..	Amsberry Pump.....	Irrig.	.22	22	15	18	Custer.....	Jan.	26	1937	2684	
Mud (Beaver) Creek	Amsberry, Emma.....	Mason City..	Amsberry Pump.....	Irrig.	.56	23	15	18	Custer.....	Sept.	18	1937	2789	

Mud (Beaver) Creek	Hall, John.....	Ansley.....	Hall Pump.....	Irrig.	.54	15	15	18	Custer.....	Oct.	1	1937	2792
Mud (Beaver) Creek	Lang, C. E.....	Litchfield.....	Lang Pump.....	Irrig.	1.15	19	14	16	Sherman.....	Oct.	4	1937	2793
Mud (Beaver) Creek	Luther, Violet B.....	Mason City..	Luther Pump.....	Irrig.	.39	25	15	18	Custer.....	Oct.	4	1937	2794
Mud (Beaver) Creek	Banning, Roy J.....	Mason City..	Banning Pump.....	Irrig.	.40	33	15	17	Custer.....	Nov.	5	1937	2800
Mud (Beaver) Creek	West, Charles.....	Mason City..	West Pump.....	Irrig.	.84	23	15	18	Custer.....	Nov.	16	1937	2802
Mud (Beaver) Creek	Sherbeck, Melvin H.....	Ansley.....	Sherbeck Pump.....	Irrig.	.43	5	15	18	Custer.....	Sept.	14	1938	2884
Mud (Beaver) Creek	Glass, C. O.....	Omaha.....	Glass Pump.....	Irrig.	.51	1	13	16	Sherman.....	Sept.	25	1939	2973
Mud (Beaver) Creek	Williams, Earl.....	Ansley.....	Williams Pump.....	Irrig.	.46	31	16	18	Custer.....	Nov.	10	1939	3015
Mud (Beaver) Creek	Engleman, L. A.....	Litchfield.....	Engleman-Lewis Pump	Irrig.	.17	33	14	16	Sherman.....	Nov.	22	1939	3025
Mud (Beaver) Creek	Sherbeck, Clarence I.....	Ansley.....	Sherbeck Pump.....	Irrig.	.54	15	15	18	Custer.....	Feb.	9	1940	3090
Mud (Beaver) Creek	Nelson, Charley A.....	Litchfield.....	Nelson Pump.....	Irrig.	.23	11	14	17	Custer.....	Mar.	1	1940	3100
Mud (Beaver) Creek	Cooper, Bob C. and Anderson, John A.....	Omaha..... Litchfield.....	Cooper-Anderson Pump	Irrig.	.53	28	14	16	Sherman.....	Mar.	12	1940	3115
Mud (Beaver) Creek	Mortensen, Pearl L.....	Sweetwater..	Mortensen Pump.....	Irrig.	.21	34	13	15	Sherman.....	Mar.	15	1940	3119
Mud (Beaver) Creek	Fisher, James H., Estate	Ravenna.....	Fisher Pump.....	Irrig.	.67	34	13	15	Sherman.....	Apr.	1	1940	3128
Mud (Beaver) Creek	Moody, Cleon M.....	Ansley.....	Moody Pump.....	Irrig.	.40	5	15	18	Custer.....	May	13	1940	3157
Mud (Beaver) Creek	Chamberlin, W. C.....	Mason City..	Chamberlin Pump.....	Irrig.	.52	32	15	17	Custer.....	July	15	1940	3200
Mud (Beaver) Creek	Vopalensky, Jacob L.....	Ravenna.....	Vopalensky Pump.....	Irrig.	.37	2	12	15	Buffalo.....	July	16	1940	3201
Mud (Beaver) Creek	Schulz, Martin.....	Ravenna.....	Schulz Pump.....	Irrig.	1.02	7	12	14	Buffalo.....	July	18	1940	3205
Mud (Beaver) Creek	Talbot, V. C.....	Broken Bow	Talbot Pump No. 2.....	Irrig.	.18	17	16	19	Custer.....	July	24	1940	3210

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Mud (Beaver) Creek	Beranek, Albina.....	Ravenna.....	Beranek Pump.....	Irrig.	.09	8	12	14	Buffalo.....	July	24	1940	.....	3213
Mud (Beaver) Creek	Jungles, Peter R.....	Ravenna.....	Jungles Pump.....	Irrig.		12	12	15	Buffalo.....	Aug.	10	1940	.....	3229*
Mud (Beaver) Creek	Morris, E. O.....	Ansley.....	Morris Pump.....	Irrig.		9	15	18	Custer.....	Aug.	15	1940	.....	3232*
Mud (Beaver) Creek	Nelsen, Chris.....	Berwyn.....	Nelsen Pump.....	Irrig.		36	16	19	Custer.....	Sept.	3	1940	.....	3249*
Mud (Beaver) Creek	Niedt, Senate.....	Broken Bow	Niedt Pump.....	Irrig.		17	16	19	Custer.....	Sept.	10	1940	.....	3259*
Munson Creek...	Lassen, Niels P.....	Elba.....	Lassen Pump.....	Irrig.	.50	1	15	12	Howard.....	Oct.	10	1929	.....	2108
Oak Creek.....	Larson, L. E.....	Dannebrog...	Dannebrog Reservoir	Dom.		2	13	11	Howard.....	Sept.	16	1919	.....	1556
Oak Creek.....	Krogh, Peter, et al...	Omaha.....	Krogh Pump.....	Irrig.	.53	30	14	11	Howard.....	Mar.	5	1930	.....	2126
Oak Creek.....	Village of Dannebrog	Dannebrog...	Dannebrog Lake Res.	Fish	†58AF	2	13	11	Howard.....	Nov.	29	1937	.....	2809
Oak Creek.....	Krogh, Peter.....	Omaha.....	Krogh Pump.....	Irrig.	.25	30	14	11	Howard.....	Sept.	26	1939	.....	2976
Oak Creek.....	Lamb, Hertha J.....	Farwell.....	Lamb Pump.....	Irrig.	.09	23	14	12	Howard.....	Mar.	22	1940	.....	3122
Platte River.....	Fremont Canal and Power Company	Fremont.....	Fremont Canal.....	I. & P.	2500.00	30	17	4E	Butler.....	June	21	1895	.....	40
Platte River.....	City of Omaha.....	Omaha.....	Fremont-Omaha Canal	Power	2000.00	30	17	4E	Butler.....	Mar.	25	1908	.....	894
Platte River.....	Grant, William.....	Lincoln.....		Power		1	16	1E	Butler.....	Nov.	18	1933	.....	2346*
Platte River, Tributary to	Klosterman, H. F.....	David City...	Klosterman Canal.....	Irrig.	.43	9	16	2E	Butler.....	Oct.	9	1939	.....	2982
Qualsett Creek.	Qualsett, Olaf.....	Petersburg...	Qualsett Pump.....	Irrig.	.26	30	22	7	Boone.....	Apr.	19	1937	.....	2733
Sand Creek.....	Steiger, Phillip J.....	Callaway.....	Troyer Pump.....	Irrig.	.24	10	15	23	Custer.....	Feb.	21	1916	.....	1447
Shady Lake.....	Smith, Adam.....	Columbus.....	Smith Pump.....	Irrig.	1.66	15	17	1	Platte.....	Feb.	2	1939	.....	2907
Shell Creek	Schmitt, P. Estate	Columbus	Schmitt Canal	Irrig.	0.08	10	16	27	Platte	Nov.	17	1907	.....	200

Shell Creek.....	Gottberg, Max.....	Columbus.....	Gottberg Canal.....	Irrig.	1.00	24	18	1	Platte.....	June	6	1895	.....	2
Shell Creek.....	Arndt, Edward.....	PlatteCenter	Arndt Pump.....	Irrig.	2.21	24	18	2	Platte.....	July	31	1936	.....	2603
Shell Creek.....	Herde, Phillip.....	Schuyler.....	Herde Pump.....	Irrig.	.39	34	18	3E	Colfax.....	Sept.	28	1936	.....	2642
Shell Creek.....	Wolfe, John H.....	Schuyler.....	Wolfe Pump.....	Irrig.	.46	28	18	3E	Colfax.....	Aug.	9	1937	.....	2771
Shell Creek.....	Herde, Phillip.....	Schuyler.....	Herde Pump.....	Irrig.	.25	34	18	3E	Colfax.....	Sept.	10	1937	.....	2782
Shell Creek.....	Carrig, C. J.....	Columbus.....	Carrig Pump.....	Irrig.	2.36	30	18	1	Platte.....	Sept.	14	1937	.....	2787
Shell Creek.....	Kavan, Emil L.....	Schuyler.....	Kavan Pump.....	Irrig.	.48	29	18	3E	Colfax.....	Nov.	1	1937	.....	2798
Shell Creek.....	Marohn, Herman, et al	Schuyler.....	Marohn Pump.....	Irrig.	.64	23	18	2E	Colfax.....	Dec.	10	1937	.....	2814
Shell Creek.....	Kluck, Rose.....	Richland.....	Kluck Pump.....	Irrig.	.48	13	18	2	Platte.....	Dec.	18	1937	.....	2815
Shell Creek.....	Bailey, John C.....	Schuyler.....	Bailey Pump.....	Irrig.	1.69	1	17	3E	Colfax.....	May	6	1938	.....	2871
Shell Creek.....	Krivohlavek, John F.....	Schuyler.....	Krivohlavek Pump.....	Irrig.	1.10	35	18	3E	Colfax.....	Apr.	29	1939	.....	2918
Shell Creek.....	Bailey, T. O.....	Schuyler.....	Bailey Pump.....	Irrig.	.69	12	17	3E	Colfax.....	May	19	1939	.....	2923
Shell Creek.....	Kolouch, Fred G.....	Schuyler.....	Kolouch Pump.....	Irrig.	1.06	22	18	2E	Colfax.....	May	24	1939	.....	2925
Shell Creek.....	Hughes, Frank M., Estate	Schuyler.....	Hughes Pump.....	Irrig.	1.99	1	17	3E	Colfax.....	June	17	1939	.....	2929
Shell Creek.....	Schmid, Adam.....	Columbus.....	Schmid Pump.....	Irrig.	1.09	19	18	2E	Colfax.....	July	28	1939	.....	2941
Shell Creek.....	Klug, Arthur and Emil	Columbus.....	Klug Pump.....	Irrig.	.26	24	18	1E	Platte.....	July	29	1939	.....	2943
Shell Creek.....	De Bower, Garrett A.....	Schuyler.....	De Bower Pump.....	Irrig.	.44	30	18	3E	Colfax.....	July	31	1939	.....	2944
Shell Creek.....	Lusche, G. W.....	Columbus.....	Lusche Pump.....	Irrig.	.51	14	18	1E	Platte.....	Oct.	26	1939	.....	2997
						23	18	1E						
Shell Creek.....	Heibel, Julius.....	Columbus.....	Heibel Pump.....	Irrig.	.37	22	18	1E	Platte.....	Nov.	6	1939	.....	3009
Shell Creek.....	Heibel, Julius.....	Columbus.....	Heibel Pump No. 2.....	Irrig.	.41	22	18	1E	Platte.....	Nov.	21	1939	.....	3023
Shell Creek.....	Gossman, Charles A.....	PlatteCenter	Gossman Pump.....	Irrig.	.47	19	18	1	Platte.....	Nov.	22	1939	.....	3028
Shell Creek.....	Heibel, Carl.....	Columbus.....	Heibel Pump.....	Irrig.	.21	24	18	1E	Platte.....	Dec.	1	1939	.....	3035
Shell Creek.....	Mastny, Anton, Sr.....	Schuyler.....	Mastny Pump.....	Irrig.	.90	35	18	3E	Colfax.....	Jan.	20	1940	.....	3080
Shell Creek.....	Dawson, H. H.....	Linwood.....	Dawson Pump.....	Irrig.	1.18	26	17	4E	Butler.....	Nov.	20	1939	.....	3022
Spring Branch..	Milldale Farm and Live Stock Impr. Co.	Council Bluffs Ia.	Haskill Canal.....	Irrig.	7.00	31	17	24	Custer.....	Feb.	27	1914	.....	1357
Spring Branch (Dutchman Cr.)	Talbot, V. C.....	Broken Bow	Talbot Pump No. 1.....	Irrig.	.12	17	16	19	Custer.....	July	24	1940	.....	3211
Spring Creek.....	Hendryx, H. J.....	Monroe.....	Hendryx Canal.....	Irrig.	1.33	2	17	3	Platte.....	June	25	1894	290	.....
Springs	State Game and Parks Commission	Lincoln.....	Ravenna State Lake..	Resort	†80AF	9	12	14	Buffalo.....	Sept.	15	1939	.....	2964
Springs	Ash, Silas.....	Comstock.....	Ash Pump.....	Irrig.	.34	13	19	18	Custer.....	Dec.	11	1939	.....	3044

*Application pending.

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Concluded.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Tucker Creek.....	Pressey, H. E.....	Oconto.....	Maples Canal.....	Irrig.	.97	9	14	21	Custer.....	Sept.	13	1934	.....	2475
Turkey Creek.....	Mortensen, M. C.....	Dannebrog.....	Mortensen Reservoir.....	Irrig.	†6.25AF	21	14	11	Howard.....	Aug.	31	1931	.....	2232
(Mortensen Reservoir)	Mortensen, M. C.....	Dannebrog.....	Mortensen Canal.....	Irrig.		21	14	11	Howard.....	Aug.	31	1931	.....	2251
Turkey Creek.....	Miller, Andrew S.....	Dannebrog.....	Miller Reservoir.....	Irrig.	†600AF	35	14	11	Howard.....	Jan.	20	1934	.....	2356
(Miller Res.).....	Miller, Andrew S.....	Dannebrog.....	Miller Res. Canal.....	Irrig.		35	14	11	Howard.....	Jan.	20	1934	.....	2476
Turkey Creek.....	McKoski, Joe.....	Dannebrog.....	McKoski Pump.....	Irrig.	.24	20	14	11	Howard.....	Aug.	26	1937	.....	2778
Victoria Creek..	Meyers, Perry.....	Anselmo.....	Victoria Canal No. 1.	Irrig.	.71	1	19	21	Custer.....	Mar.	17	1894	210 } 212 }	.....
Victoria Creek..	Victoria Ditch Ass'n.	Broken Bow	Victoria Canal No. 2.	Irrig.	8.88	1	19	21	Custer.....	July	17	1894	213	.....
Victoria Creek..	Laughran, Thomas.....	Anselmo.....	Laughran and Bell Canal	Irrig.	.31	3	19	21	Custer.....	Sept.	22	1894	217	.....
Victoria Creek..	Myers, Perry A.....	Anselmo.....	Myers Canal.....	Irrig.	1.51	1	19	21	Custer.....	Aug.	5	1926	.....	1843
Victoria Creek..	Victoria Ditch Ass'n.	Broken Bow	Victoria Canal No. 2.	Irrig.	1.01	1	19	21	Custer.....	Aug.	12	1926	.....	1845
Victoria Creek..	McGraw, Chas.....	Broken Bow	McGraw Canal.....	Irrig.	2.95	6	19	20	Custer.....	July	23	1927	.....	1945
Victoria Creek..	McGraw, Chas.....	Broken Bow	McGraw Canal.....	Irrig.	2.86	6	19	20	Custer.....	Aug.	6	1928	.....	2023
Victoria Creek..	McGraw, Chas. M.....	Broken Bow	McGraw Pump.....	Irrig.	.80	6	19	20	Custer.....	June	4	1934	.....	2398
Wagner Creek..	Leui, Joseph.....	Comstock.....	Leui Pump.....	Irrig.	.82	3	18	17	Custer.....	July	18	1939	.....	2935
Wiggle Creek.....	May, J. H.....	Callaway.....	Morrison Pump.....	Irrig.	.30	3	15	23	Custer.....	Oct.	17	1928	.....	2045

†Represents reservoir capacity alleged by applicant.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Mo.			D	Yr.
Battle Creek.....	Hohenstein, Emma and Tomhagan, Ida	Battle Creek	Battle Creek Mills.....	Power	10.67	36	24	3	Madison.....	Nov.	12	1898	484
Battle Creek.....	Hohenstein, Emma and Tomhagan, Ida	Battle Creek	Battle Creek Mills.....	Power	20.00	36	24	3	Madison.....	Apr.	20	1906	818
Battle Creek.....	Lucht, Mary.....	Battle Creek	Lucht Pump.....	Irrig.	.59	12	23	3	Madison.....	Oct.	20	1939	2994
Battle Creek.....	Bierman, Herbert.....	Battle Creek	Bierman Pump.....	Irrig.	.64	14	23	3	Madison.....	Nov.	4	1939	3006
Battle Creek.....	Eyl, Carl.....	Battle Creek	Eyl Pump.....	Irrig.	.46	12	23	3	Madison.....	Nov.	8	1939	3012
Battle Creek.....	Lewis, Emma S.....	Washington, D. C.	Lewis Pump.....	Irrig.	.54	12	23	3	Madison.....	Nov.	22	1939	3026
Battle Creek.....	Bierman, Erich.....	Battle Creek	Bierman-Ryan Pump	Irrig.	.32	12	23	3	Madison.....	Dec.	11	1939	3042
Buffalo Creek....	Lewis, Sylvester.....	Meadow Grove	Lewis Pump.....	Irrig.	.79	23	24	4	Madison.....	Nov.	9	1936	2655
Buffalo Creek....	Lewis, Sylvester.....	Meadow Grove	Lewis Pump.....	Irrig.	.48	23	24	4	Madison.....	Oct.	26	1939	3000
Camp Creek.....	Pinney, E. R.....	Lincoln.....	Pinney Pump.....	Irrig.	.50	25	11	8E	Lancaster....	Nov.	22	1939	3024
Cedar Creek.....	Carlson, C. A.....	Elgin.....	Carlson Pump.....	Irrig.	.15	3	23	6	Antelope.....	Mar.	17	1937	2716
Cedar Creek.....	Johnson Brothers.....	Oakdale.....	Johnson Pump.....	Irrig.	.41	11	24	6	Antelope.....	Oct.	10	1938	2891
Cedar Creek.....	Ofe Brothers.....	Oakdale.....	Ofe Pump.....	Irrig.	.09	1	24	6	Antelope.....	Dec.	27	1938	2904
Cedar Creek.....	Cram, V.S.....	Oakdale.....	Cram Pump.....	Irrig.	.04	12	24	6	Antelope.....	Mar.	1	1939	2911
Cedar Creek.....	Michaelson, Peter.....	Tilden.....	Michaelson Pump.....	Irrig.	.23	10	23	6	Antelope.....	Oct.	16	1939	2987
Cedar Creek.....	Mills, G. O.....	Tilden.....	Mills Pump.....	Irrig.	.18	3	23	6	Antelope.....	Oct.	18	1939	2991
Cedar Creek.....	Hunter, G. W.....	Oakdale.....	Hunter Pump.....	Irrig.	.86	12	24	6	Antelope.....	May	25	1940	3166
Clear Creek.....	Lyons Drainage District	Lyons.....	Main Ditch No. 1.....	Drain		14	23	8E	Burt.....	Mar.	9	1911	1069
Clear Creek.....	Gilmore, E. L. C.....	Ashland.....	Gilmore Canal.....	Irrig.	.86	35	13	9E	Saunders.....	Aug.	10	1927	1950
Clear Creek (Clear Creek Drain)	Keiser, Ira.....	Ashland.....	Keiser Pump.....	Irrig.		34	14	9E	Saunders.....	July	18	1940	3204
Clearwater Cr.....	Thiele, Carl J.....	Clearwater...	Thiele Pump.....	Irrig.	.46	26	25	9	Holt.....	Dec.	12	1939	3048

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-B—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Clearwater Cr...	McDonald, Charles W.	Ewing.....	McDonald Pump.....	Irrig.	.29	33	25	9	Holt.....	Dec.	18	1939	.....	3055
Clearwater Cr...	Schrunk, Mabel E.	Atkinson.....	Schrunk Pump.....	Irrig.		14	24	10	Wheeler.....	Sept.	25	1940	.....	3275
Dee Creek.....	Hilt, Peter Jr.....	Waverly.....	Hilt Pump.....	Irrig.	1.72	7	11	9E	Cass.....	June	12	1933	.....	2326
Dog (Dog Town) Creek	Beckman, John.....	Wayne.....	Beckman Pump.....	Irrig.	.63	6	26	4E	Wayne.....	Aug.	15	1936	.....	2613
Dry Gully.....	Scott, R. D.....	Lincoln.....	Scott Reservoir.....	Irrig.	†72A	22	12	5E	Lancaster...	Dec.	7	1936	.....	2669
(Scott Res.).....	Scott, R. D.....	Lincoln.....	Scott Pump.....	Irrig.		22	12	5E	Lancaster...	Dec.	7	1936	.....	2762
Elkhorn River...	Interstate Power Co.	Dubuque, Ia.	Atkinson Mill.....	Power	38.50	30	30	14	Holt.....	Nov.	1	1883	271	.....
Elkhorn River...	Elkhorn Irrig. Co.....	O'Neill.....	Elkhorn Canal.....	Irrig.	131.43	22	29	13	Holt.....	Feb.	3	1894	259	.....
Elkhorn River...	Davis, Jos.....	O'Neill.....	Davis Canal.....	Irrig.	1.43	31	29	11	Holt.....	Feb.	8	1894	260	.....
Elkhorn River...	Carlton, Thos.....	O'Neill.....	Carlton Canal No. 1.....	Irrig.	1.00	32	29	11	Holt.....	Feb.	8	1894	261	.....
Elkhorn River...	Carlton, Thos.....	O'Neill.....	Carlton Canal No. 2.....	Irrig.	5.00	30	29	11	Holt.....	Feb.	8	1894	262	.....
Elkhorn River...	Cain, N. E., et al.....	O'Neill.....	Cain Canal.....	Irrig.	5.00	32	29	11	Holt.....	Feb.	20	1895	283	.....
Elkhorn River...	Ross, Chas. P.....	Omaha.....	Platte River Plant.....	Power	500.00	14	15	10E	Douglas.....	Nov.	24	1909	.....	971
Elkhorn River...	Neligh, W. T. S.....	West Point.....	West Point Plant.....	Power	400.00	18	22	6E	Cuming.....	Dec.	26	1912	.....	1250
Elkhorn River...	Sibberson Brothers.....	Omaha.....	Sibberson Canal.....	Irrig.	2.50	10	29	14	Holt.....	Sept.	5	1925	.....	1779
Elkhorn River...	Eubank, C. W.....	Lincoln.....	Eubank Pump.....	Irrig.	.79	10	25	7	Antelope.....	July	5	1934	.....	2416
Elkhorn River...	Heitzman, Herman.....	West Point.....	Heitzman Pump.....	Irrig.	.31	21	22	6E	Cuming.....	Mar.	16	1935	.....	2528
Elkhorn River...	McGuire, F. V.....	Wisner.....	McGuire Pump.....	Irrig.	1.21	32	24	4E	Cuming.....	Aug.	14	1936	.....	2612
Elkhorn River...	Collins, John M.....	West Point.....	Collins Pump.....	Irrig.	.39	22	22	6E	Cuming.....	Aug.	31	1936	.....	2630
Elkhorn River...	Dwyer, Geo. F.....	Waterloo.....	Dwyer Pump.....	Irrig.	.08	10	15	10E	Douglas.....	Sept.	22	1936	.....	2641
Elkhorn River...	J. C. Robinson Real Estate Co.	Waterloo.....	Evergreen Pump.....	Irrig.	1.10	3	15	10E	Douglas.....	Nov.	5	1936	.....	2653
Elkhorn River...	Torbert F. B. Estate..	Norfolk.....	Torbert Pump.....	Irrig.	.09	36	24	2	Madison.....	Dec.	21	1936	.....	2674
Elkhorn River...	Rozmarin, Joseph R.	Stanton.....	Rozmarin Pump.....	Irrig.	.05	13	23	2E	Stanton.....	Mar.	1	1937	.....	2704
Elkhorn River...	Brink, Orris.....	Oakdale.....	Brink Pump.....	Irrig.	.82	8	24	5	Antelope.....	June	4	1937	.....	2750
Elkhorn River...	Feldhahn, Albert.....	Norfolk.....	Feldhahn Pump.....	Irrig.	.69	6	23	1E	Stanton.....	July	30	1937	.....	2767
Elkhorn River...	Steward, J. B.....	Tilden.....	Steward Pump.....	Irrig.	.69	15	24	4	Madison.....	Mar.	18	1938	.....	2850

Elkhorn River....	Bauermeister, C. H....	Battle Creek	Bauermeister Pump....	Irrig.	.88	30	24	2	Madison.....	Sept. 28	1939	2977
Elkhorn River....	Flesner, William, and Unkel, Albert	Battle Creek	Flesner-Unkel Pump.	Irrig.	3.14	29	24	2	Madison.....	Oct. 11	1939	2983
Elkhorn River....	O'Brien, John F., et al	Tilden.....	O'Brien Pump.....	Irrig.	.76	4	24	5	Antelope.....	Oct. 18	1939	2990
Elkhorn River...	Freiberg, Harry.....	Stanton.....	Freiberg Pump.....	Irrig.	.56	8	23	3E	Stanton.....	Nov. 10	1939	3016
Elkhorn River....	Dworak, Mary.....	Neligh.....	Dworak Pump.....	Irrig.	.72	1	24	6	Antelope.....	Nov. 29	1939	3033
Elkhorn River....	Boldt, William, Jr....	Stanton.....	Boldt Pump.....	Irrig.	.27	29	23	2E	Stanton.....	Dec. 13	1939	3050
Elkhorn River....	City of West Point...	West Point..	Neligh Park Lake.....	Resort		27	22	6E	Cuming.....	Dec. 18	1939	3058
Elkhorn River....	Eggers, Elman.....	Tilden.....	Eggers Pump.....	Irrig.	.64	11	24	5	Antelope.....	Dec. 19	1939	3061
Elkhorn River....	Zimmerer, Joe.....	Humphrey....	Zimmerer-Schafer Pump No. 1	Irrig.	.40	17	23	3E	Stanton.....	Jan. 2	1940	3069
Elkhorn River....	Martensen, Peter.....	Oakdale....	Martensen Pump.....	Irrig.	.42	8	24	5	Antelope.....	Jan. 9	1940	3073
Elkhorn River....	Childs, F. A.....	Oakdale....	Childs Pump.....	Irrig.	.21	3	24	5	Antelope.....	Mar. 4	1940	3102
Elkhorn River....	Idlewild Farm Co....	Fremont.....	Idlewild Pump.....	Irrig.	.81	29	18	9E	Dodge- Washington..	May 10	1940	3155
Elkhorn River, North Fork	Norfolk Cereal Flour Mills	Norfolk.....	Norfolk Cereal and Flour Mill	Power	100.00	23	24	1	Madison.....	Mar. 1	1870	996
Elkhorn River, North Fork	Norfolk Packing Co..	Norfolk.....	Warfield Pump.....	Irrig.	1.03	15	24	1	Madison.....	June 15	1929	2085
Elkhorn River, North Fork	Stahl, Carl C.....	Norfolk.....	Stahl Pump.....	Irrig.	.42	10	24	1	Madison.....	Aug. 17	1933	2343
Elkhorn River, North Fork	Hagel, Robert A.....	Norfolk.....	Hagel Pump.....	Irrig.	.50	15	24	1	Madison.....	Sept. 12	1934	2474
Elkhorn River, North Fork	Bathke, Robert.....	Norfolk.....	Bathke Pump.....	Irrig.	.02	22	24	1	Madison.....	Apr. 4	1935	2533
Elkhorn River, North Fork	Norfolk Packing Co..	Norfolk.....	Warfield Pump.....	Irrig.	.53	15	24	1	Madison.....	May 2	1936	2577
Elkhorn River, North Fork and Dry Cr.	Chilvers, C. H.....	Pierce.....	Chilvers Pumps.....	Irrig.	5.91	9	26	2	Pierce.....	July 14	1936	2588
Elkhorn River, North Fork	Werner, John.....	Norfolk.....	Werner Pump.....	Irrig.	.56	26	24	1	Madison.....	July 24	1936	2597
Elkhorn River, North Fork	Kolterman, Erwin....	Pierce.....	Kolterman Pump.....	Irrig.	1.89	15	26	2	Pierce.....	July 30	1936	2602
Elkhorn River, North Fork	Koehler, Walter.....	Osmond.....	Koehler Pump.....	Irrig.	.71	19	27	2	Pierce.....	Aug. 13	1936	2611

†Represents reservoir capacity alleged by applicant.

DEPARTMENT OF ROADS AND IRRIGATION

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-B—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Elkhorn River, North Fork	Doughty, L. H.	Norfolk	Doughty Pump	Irr.g.	.24	26	24	1	Madison	Nov.	18	1936	2661
Elkhorn River, North Fork	Kirchmann, Christian C.	Pierce	Kirchmann Pump	Irrig.	.01	26	26	2	Pierce	Dec.	11	1936	2670
Elkhorn River, North Fork	Kluender, Bertha and Riggart, Mrs. M.	Norfolk	Kluender-Riggart-Stewart Pump	Irr.g.	.21	22	24	1	Madison	May	25	1937	2747
Elkhorn River, North Fork	Richter, Herman	Norfolk	Richter Pump	Irrig.	.43	36	24	1	Madison	Apr.	27	1938	2865
Elkhorn River, North Fork	U. S. Forest Service	Grand Island	Norfolk Nursery Pump	Irrig.	.15	26	24	1	Madison	May	26	1938	2875
Elkhorn River, North Fork	Hecker, Ida D.	San Diego, Calif.	Hecker Pump	Irrig.	1.05	28	25	1	Pierce	Nov.	20	1939	2875R 3021
Elkhorn River, North Fork	Meierhenry, Fred	Haskins	Meierhenry Pump	Irrig.	.18	33	25	1	Pierce	Dec.	11	1939	3043
Elkhorn River, North Fork	Brown, Willard H.	Norfolk	Brown Pump	Irrig.	1.25	36	24	1	Madison	Mar.	8	1940	3110
Elkhorn River, North Fork	Baksa, Joseph	Norfolk	Baksa Pump	Irrig.	.22	26	24	1	Madison	Mar.	18	1940	3121
Elkhorn River, North Fork	The Union Central Life Insurance Co.	Cincinnati, Ohio	Union Central Life Insurance Co. Pump	Irrig.		36	26	2	Pierce	Sept.	13	1940	3265
Elkhorn River, North Fork	Petersen, Peter E.	Osmond	Petersen Pump	Irrig.		36	28	3	Pierce	Sept.	17	1940	3268
Ives Creek	First Trust Co.	Lincoln	First Trust Co. Pump	Irrig.		15	24	5	Antelope	Mar.	16	1940	3120
Knebel-Pofahl Lake	Knebel, Ernest H.	Norfolk	Knebel Pump	Irrig.	.27	2	23	1	Madison	Nov.	20	1939	3020
Knebel-Pofahl Lake	Knebel, Sophia	Norfolk	Sophia Knebel Pump	Irrig.	.35	2	23	1	Madison	Feb.	17	1940	3092

Logan Creek..... (Oakland Dr.)	Johnson, Harry G.....	Oakland.....	Johnson Pump.....	Irrig.	1.71	35	22	8E	Burt.....	Feb.	20	1931	.....	2192
Logan Creek..... (Oakland Dr.)	Johnson, J. A.....	Oakland.....	Johnson Pump.....	Irrig.	.92	36	22	8E	Burt.....	Sept.	10	1931	.....	2236
Logan Creek.....	Havekost, Bernard.....	Hooper.....	Havekost Pump.....	Irrig.	.37	33	20	8E	Dodge.....	July	10	1936	.....	2586
Logan Creek.....	Meyer, Sophie H.....	Hooper.....	Meyer Pump.....	Irrig.	1.41	16	20	8E	Dodge.....	July	24	1936	.....	2595
Logan Creek.....	Schole, George H.....	Hooper.....	Schole Pump.....	Irrig.	.38	32	20	8E	Dodge.....	July	24	1936	.....	2596
Logan Creek.....	Uehling, Orville T.....	Uehling.....	Uehling Pump.....	Irrig.	.26	3	20	8E	Dodge.....	July	25	1936	.....	2598
Logan Creek.....	Meyer, Wm. J.....	Bancroft.....	Meyer Pump.....	Irrig.	1.33	26	24	7E	Cuming.....	July	27	1936	.....	2599
Logan Creek..... (Oakland Dr.)	Kuhlman, John D. G. and Von Essen, Herman	Oakland.....	Von Essen Pump.....	Irrig.	.70	14	21	8E	Burt.....	Aug.	1	1936	.....	2604
Logan Creek.....	Hoegermeyer, Otto.....	Hooper.....	Hoegermeyer Pump.....	Irrig.	.69	33	20	8E	Dodge.....	Aug.	17	1936	.....	2615
Logan Creek.....	Golder, J. S.....	Oakland.....	Golder Pump.....	Irrig.	.14	3	20	8E	Dodge.....	Aug.	26	1936	.....	2624
Logan Creek..... (Pender Dr.)	Novak, Victor.....	Pender.....	Novak Pump.....	Irrig.	.78	36	25	6E	Thurston.....	Sept.	2	1936	.....	2632
Logan Creek.....	Havekost, William.....	Hooper.....	Havekost Pump.....	Irrig.	.43	29	20	8E	Dodge.....	Nov.	12	1936	.....	2659
Logan Creek..... (Bancroft Dr.)	Ronnenkamp, William	Bancroft.....	Ronnenkamp Pump.....	Irrig.	.26	26	24	7E	Cuming.....	Dec.	26	1936	.....	2675
Logan Creek.....	Hall, D.....	Wayne.....	Hall Pump.....	Irrig.	.08	13	26	3E	Wayne.....	Jan.	28	1937	.....	2688
Logan Creek.....	Beckenhauer, Charles	West Point..	Beckenhauer Pump.....	Irrig.	.95	9	24	7E	Cuming.....	Feb.	12	1937	.....	2697
Logan Creek..... (Pender Dr.)	Burmester, H. H.....	Pender.....	Burmester Pump.....	Irrig.		16	25	6E	Thurston.....	Mar.	2	1937	.....	2707
Logan Creek.....	Moodie & Jordan.....	Bancroft.....	Moodie-Jordan Pump..	Irrig.	1.42	22	24	7E	Cuming.....	Mar.	9	1937	.....	2712
Logan Creek.....	Uehling, Ernest.....	Oakland.....	Uehling Pump.....	Irrig.	.26	3	20	8E	Dodge.....	Mar.	13	1937	.....	2714
Logan Creek.....	Ross, Albert T.....	Bancroft.....	Ross Pump.....	Irrig.	.76	15	24	7E	Cuming.....	May	4	1937	.....	2739
Logan Creek..... (Lyons Drain)	Roscoe, Irving G.....	Lyons.....	Roscoe Pump.....	Irrig.	1.04	23	23	8E	Burt.....	Oct.	5	1937	.....	2795
Logan Creek..... (Bancroft Dr.)	Hughes, Helen M.....	Gretna.....	Hughes Pump.....	Irrig.	.64	32	24	8E	Thurston.....	July	28	1939	.....	2942
Logan Creek..... (Bancroft Dr.)	Samson, Kenneth.....	Bancroft.....	Samson Pump.....	irrig.	.35	23	24	7E	Cuming.....	Aug.	4	1939	.....	2947
Logan Creek..... (Lyons Dr.)	White, H. S.....	Lyons.....	White Pump.....	Irrig.	.97	2	23	8E	Burt.....	Sept.	6	1939	.....	2959
Logan Creek..... (Bancroft Dr.)	Kratochvil, Vaclaw....	Bancroft.....	Kratochvil Pump.....	Irrig.	1.73	22	24	7E	Cuming.....	Sept.	12	1939	.....	2963

"R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-B—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						Sec.-ft.	County			Mo.	D			Yr.
							S	T	R					
Logan Creek..... (Pender Dr.)	Hilker, John.....	Pender.....	Hilker Pump.....	Irrig.	.66	5	25	7E	Cuming.....	Sept.	20	1939	.....	2966
Logan Creek..... (Pender Dr.)	Branham, Ruth E.....	Omaha.....	Barton Pump.....	Irrig.	.49	22	25	6E	Thurston	Dec.	18	1939	.....	3057
Logan Creek..... (Pender Dr.)	John Hancock Mutual Life Insurance Co.	Sioux City, Ia.	Zvacek Pump.....	Irrig.	.96	22	25	6E	Thurston	Jan.	8	1940	.....	3072
Logan Creek..... (Logan Dr.)	Bradford, Richard.....	Wakefield.....	Bradford-Kinney Pump	Irrig.	.49	25	26	5E	Thurston.....	Apr.	15	1940	.....	3135
Logan Creek..... (South Logan Drain)	Collins, Helen.....	Wakefield.....	Collins Pump.....	Irrig.	.20	36	27	4E	Dixon.....	Apr.	18	1940	.....	3139
Logan Creek..... (Logan Dr.)	Mason, Wm.....	Laurel.....	Mason Pump.....	Irrig.	.71	3	28	3E	Cedar.....	June	17	1940	.....	3181
Maple Creek.....	Luther, Howard J.....	Nickerson.....	Luther Pump.....	Irrig.	2.72	10	18	8E	Dodge.....	Dec.	19	1934	.....	2500
Maple Cr., East	Kovarik, Joseph F.....	Howells.....	Kovarik Pump.....	Irrig.	.36	10	19	4E	Colfax.....	Aug.	7	1939	.....	2949
Maple Cr., East	Svoboda, Milo.....	Dodge.....	Svoboda Pump.....	Irrig.	.96	15	19	4E	Colfax.....	Aug.	16	1939	.....	2952
Maple Creek, Middle Fork	Janecek, James.....	Schuyler.....	Janecek Pump.....	Irrig.	.26	13	19	3E	Colfax.....	Jan.	18	1940	.....	3077
Middle Creek.....	Malone, Robert.....	Lincoln.....	Malone Ice Plant.....	Ice	10.00	30	10	6E	Lancaster.....	Dec.	26	1907	.....	883
Middle Creek.....	Ivers, Claude B.....	Lincoln.....	Ivers Pump.....	Irrig.	.26	28	10	6E	Lancaster.....	Jan.	7	1938	.....	2823
Middle Creek.....	Lilly, Richard J.....	Lincoln.....	Lilly Pump.....	Irrig.	.73	28	10	6E	Lancaster.....	Dec.	26	1939	.....	3068
Oak Creek.....	Eiche, Herman.....	Lincoln.....	Eiche Plant.....	Irrig.	.71	17	10	6E	Lancaster.....	Jan.	4	1899	.....	489
Oak Creek.....	Cheney, E. J.....	Lincoln.....	Cheney Pump.....	Irrig.	.45	8	10	6E	Lancaster.....	Feb.	6	1929	.....	2069
Oak Creek.....	Hanich, Edward.....	Lincoln.....	Hanich Pump.....	Irrig.	.15	8	10	6E	Lancaster.....	Nov.	21	1929	.....	2115
Oak Creek.....	Clark, Arthur.....	Lincoln.....	Clark Pump.....	Irrig.	.14	17	10	6E	Lancaster.....	Apr.	11	1930	.....	2132
Oak Creek.....	Cheney, L. H.....	McCook.....	Cheney Pump.....	Irrig.	.66	8	10	6E	Lancaster.....	Sept.	22	1931	.....	2239
Oak Creek.....	Witmer, J. L.....	Lincoln.....	Witmer Pump.....	Irrig.	.04	15	10	6E	Lancaster.....	Feb.	8	1933	.....	2301
Oak Creek.....	Burcham, W. F.....	Lincoln.....	Burcham Pump.....	Irrig.	1.73	20	11	6E	Lancaster.....	July	13	1934	.....	2422
Oak Creek.....	Bennett, John R.....	Lincoln.....	Bennett Pump.....	Irrig.	1.49	29	11	6E	Lancaster.....	Sept.	14	1936	.....	2639

DEPARTMENT OF ROADS AND IRRIGATION

Pebble Creek.....	Dahl, John W.....	Scribner.....	Dahl Pump.....	Irrig.	.46	6	19	7E	Dodge.....	July	17	1936	.....	2589
Pebble Creek.....	Vakiner Brothers.....	West Point.....	Vakiner Pump.....	Irrig.	1.63	31	20	5E	Dodge.....	Sept.	9	1936	.....	2637
Pebble Creek.....	Gordon, George S.....	Scribner.....	Gordon Pump.....	Irrig.	.18	35	20	6E	Dodge.....	Dec.	8	1939	.....	3039
Pebble Creek.....	Dahl, Alex H.....	Scribner.....	Dahl Pump.....	Irrig.	.57	36	20	6E	Dodge.....	Jan.	10	1940	.....	3074
Platte River.....	Ross, Chas. P.....	Omaha.....	Platte River Plant.....	Power	2500.00	6	14	10E	Douglas.....	Nov.	24	1909	.....	970
Platte River.....	Parmlee and Rawls.....	Plattsmouth.....	Plattsmouth Plant.....	Power	2000.00	32	13	13E	Cass.....	Sept.	4	1914	.....	1379
Rawhide Creek.....	Cowles, S. C.....	Gridley, Kan.....	Cowles Pump.....	Irrig.	.46	17	16	10E	Douglas.....	Aug.	7	1936	.....	2606
Rawhide Creek.....	Hollingsworth, R. E.....	Omaha.....	Hollingsworth Pump.....	Irrig.	.43	16	16	10E	Douglas.....	June	9	1937	.....	2751
Rock Creek.....	Stark, Chris.....	Ceresco.....	Stark Pump.....	Irrig.	1.08	31	13	7E	Saunders.....	Aug.	6	1931	.....	2225
Rock Creek.....	Jeffrey, Lloyd.....	Waverly.....	Jeffery Pump.....	Irrig.	.46	34	12	8E	Lancaster.....	May	12	1934	.....	2382
Rock Creek.....	Armstrong, Charles and Landon, E. A.....	Greenwood.....	Armstrong-Landon Pump	Irrig.	1.24	35	12	8E	Lancaster.....	Sept.	2	1939	.....	2956
Rock Creek.....	Jeffrey, Lloyd.....	Waverly.....	Jeffrey Pump.....	Irrig.	.20	35	12	8E	Lancaster.....	Sept.	29	1939	.....	2978
Rock Creek.....	Van Landingham, Claude	Lincoln.....	Van Landingham Pump	Irrig.	.50	25	13	6E	Saunders.....	Nov.	27	1939	.....	3031
Ryans Creek.....	Elkhorn River Drain- age District	Fremont.....	Cutoff "H".....	Drain		4	17	9E	Dodge.....	Oct.	16	1909	.....	966
Salt Creek.....	C. B. & Q. R. R. Co.....	Lincoln.....	C. B. & Q. Supply.....	Dom.	2.00	3	9	6E	Lancaster.....	Sept.	20	1923	.....	1722
Salt Creek.....	Rutherford, Frank.....	Hastings.....	Rutherford Pump.....	Irrig.	9.11	24	11	7E	Lancaster.....	July	1	1925	.....	1766
Salt Creek.....	State Board of Control	Lincoln.....	Penitentiary Canal.....	Irrig.	3.00	11	9	6E	Lancaster.....	June	15	1926	.....	1817
Salt Creek.....	Roper, C. H.....	Lincoln.....	University Shooting Club	Resort		32	11	7E	Lancaster.....	July	29	1926	.....	1837
Salt Creek.....	Splain, William F.....	Lincoln.....	Splain-Bogan Pump.....	Irrig.	.11	25	9	6E	Lancaster.....	June	18	1934	.....	2412
Salt Creek.....	Cropsey, Harry T.....	Lincoln.....	Cropsey Pump.....	Irrig.	.72	26	9	6E	Lancaster.....	Dec.	8	1939	.....	3040
Salt Creek.....	Cropsey, Harry T.....	Lincoln.....	Cropsey Pump.....	Irrig.	.33	26	9	6E	Lancaster.....	May	24	1940	.....	3164
Sand Creek.....	Hudec, Joe.....	Wahoo.....	Wanahoo Park Res.....	Fish	†12AF	3	14	7E	Saunders.....	July	25	1934	.....	2442
Sand Creek.....	Dolezal, Edward.....	Wahoo.....	Dolezal Reservoir.....	Fish	†2.25AF	22	15	7E	Saunders.....	Aug.	1	1934	.....	2452
Silver Creek.....	Game Forestation & Parks Commission	Lincoln.....	Armour & Co. Res.....	Ice	10.00	7	13	9E	Saunders.....	Oct.	18	1897	.....	415
Silver Creek.....	Swift and Company.....	Chicago, Ill.....	Swift & Co. Ice Plant	Ice	10.00	7	13	9E	Saunders.....	Dec.	6	1899	.....	524
Silver Creek.....	Hanke, Herman.....	Ithaca.....	Hanke Pump.....	Irrig.	.50	35	14	8E	Saunders.....	July	23	1934	.....	2436

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-B—Concluded.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Mo.			D	Yr.
Springs	Newton Land Co.	Omaha	Spring Branch Canal	Irrig.	.07	13	14	13E	Sarpy	June	18	1895	29	
Springs, Trib. to Elkhorn R. (Childs Res.)	Childs, F. A.	Oakdale	Childs Reservoir	Irrig.	†102A	F	3	24	5	Antelope	Mar.	4	1940	3101
	Childs, F. A.	Oakdale	Childs Res. Canal	Irrig.			3	24	5	Antelope	Mar.	4	1940	3125
Springfield Cr.	Trumble, Floyd D.	Papillion	Trumble Pump	Irrig.	.55	36	13	11E	Sarpy	July	8	1937	2760	
Stevens Creek	Moore, R. E.	Lincoln	Stevens Creek Canal	Irrig.	1.00	2	10	7E	Lancaster	Nov.	19	1913	1335	
Taylor Creek	Leu, John	Madison	Leu Pump	Irrig.	.65	25	22	2	Madison	Aug.	19	1936	2619	
Taylor Creek	Robertson, J. D.	Madison	Robertson Pump	Irrig.	.75	30	22	1	Madison	Oct.	30	1939	3002	
Union and Taylor Creeks	Brechler and Neeley	Madison	Union Valley Roller Mills	Power		32	22	1	Madison				998*	
Union Creek	Krueger, Helen R.	Humphrey	Krueger Pump	Irrig.	.43	24	21	2	Madison	May	9	1934	2379	
Union Creek	Steckelberg, Carl Frederic	Lincoln	Steckelberg Pump	Irrig.	2.33	31	22	1E	Stanton	Aug.	13	1934	2461	
Union Creek	Omaha National Bank	Omaha	Fuchs Pump	Irrig.	.85	31	23	2E	Stanton	May	22	1936	2580	
Union Creek	Christian Bros.	Madison	Christian Pump	Irrig.	1.68	32	22	1	Madison	Nov.	4	1936	2652	
Union Creek	Mastny, Frank	Stanton	Mastny Pump	Irrig.	1.45	1	22	1E	Stanton	Nov.	9	1936	2656	
Union Creek	Jacobsen, Chas. H.	Madison	Jacobsen Pump	Irrig.	.43	13	21	2	Madison	Mar.	20	1937	2720	
Union Creek	Long, Fred and Sons	Madison	Long Pump	Irrig.	.72	29	22	1E	Stanton	July	15	1937	2761	
Union Creek	Luxa, Longin	Stanton	Luxa Pump	Irrig.	1.02	1	22	1E	Stanton	Aug.	29	1939	2954	
Union Creek	Price, Willet J.	Wisner	Price Pump	Irrig.	.33	21	22	1E	Stanton	Sept.	8	1939	2960	
Union Creek	Martin, J. E., et al.	Madison	Martin Pump	Irrig.	.43	1	21	1	Madison	Oct.	26	1939	2998	
Union Creek	Maurer, John F.	Madison	Maurer Pump	Irrig.	.39	35	21	2	Madison	Dec.	19	1939	3062	
Union Creek	Martin, J. E., et al.	Madison	Martin Pump	Irrig.	.07	1	21	1	Madison	May	2	1940	3146	
Wahoo Creek	Wahoo Hunting Club	Lincoln	Ayr Lake	Resort	†160A	F	28	13	9E	Saunders	Dec.	30	1930	2184

Wahoo Creek.....	Treptow, Herman.....	Ithaca.....	Treptow Pumps.....	Irrig.	1.43	20	14	8E	Saunders.....	July	29	1932	.....	2112
						29	14	8E						
Wahoo Creek.....	Breyer, William F.....	Ithaca.....	Breyer Pump.....	Irrig.	.96	29	14	8E	Saunders.....	Aug.	15	1934	.....	2463
Wahoo Creek.....	Lanik, Joe L.....	Wahoo.....	Lanik Pump.....	Irrig.	.61	8	14	7E	Saunders.....	May	6	1940	.....	3150
Walz Lake.....	Walz, Dorothy C.....	Battle Creek	Walz Pump.....	Irrig.	.17	22	24	3	Madison.....	Mar.	3	1937	.....	2708
Willow Creek.....	Hetrick, Geo. J.....	Pierce.....	Hetrick Pump.....	Irrig.	.05	26	26	4	Pierce.....	May	18	1937	.....	2743
Willow Creek.....	Synovec, Fred.....	Pierce.....	Synovec Pump.....	Irrig.	.64	32	26	3	Pierce.....	June	19	1939	.....	2931
Zimmerer- Kuehn Lake	Zimmerer, Joe.....	Humphrey.....	Zimmerer-Schafer Pump No. 2	Irrig.	.48	17	23	3E	Stanton.....	Jan.	16	1940	.....	3076

*Claim not adjudicated.

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Abitz Creek.....	Fullerton, J. E.....	Atkinson.....	Fullerton Canal No. 2	Irrig.	.36	18	30	13	Holt.....	Mar.	23	1896	.....	278
Antelope Creek..	Julian, A. R., et al.....	Gordon.....	Antelope Canal.....	Irrig.	.36	21	32	40	Cherry.....	June	29	1905	.....	798
Antelope Creek..	Louks, W. A.....	Gordon.....	Louks Pump.....	Irrig.	.12	30	33	41	Sheridan.....	May	22	1933	.....	2322
Antelope Creek..	Green, M. E.....	Gordon.....	Green Pump.....	Irrig.	.09	30	33	41	Sheridan.....	May	29	1934	.....	2387
Ashburn Creek..	Zilmer, W. H.....	Valentine.....	Ashburn Canal.....	Irrig.	.43	27	34	26	Cherry.....	June	17	1902	.....	676
Bear Creek.....	Skinner, Thomas.....	Springview.....	Skinner Canal.....	Irrig.	.23	15	32	21	Keya Paha.....	June	20	1888	609	.....
Bear Creek.....	Cederberg, P.....	Springview.....	Cederberg Canals 1-2	Irrig.	.02	3	32	21	Keya Paha.....	Oct.	3	1898	.....	479
Bear Creek.....	Woods Brothers Realty Company	Lincoln.....	Woods Brothers Canal	Irrig.	11.78	29	34	35	Cherry.....	Sept.	21	1928	.....	2035
Bear Creek.....	Cole, D. Jason.....	Merriman.....	Cole Project.....	Irrig.	8.19	13	34	37	Cherry.....	Feb.	24	1932	.....	2254
							14	34	37					
							7	34	36					
							8	34	36					
							10	34	36					
Bear Creek.....	Bates, Harold S.....	Merriman.....	Bates Project.....	Irrig.	6.50	8	34	37	Cherry.....	July	12	1932	.....	2276
							7	34	37					
							12	34	38					
Bear Creek.....	Bowring, Arthur.....	Merriman.....	Bar 99 Ranch Canal..	Irrig.	.43	15	34	37	Cherry.....	Aug.	31	1932	.....	2282
Bear Creek.....	Bowring, Arthur.....	Merriman.....	Bar 99 Ranch Canal..	Irrig.	.37	16	34	37	Cherry.....	Aug.	31	1932	.....	2282R
Bear Creek.....	Bowring, Arthur.....	Merriman.....	Bar 99 Ranch Canal..	Irrig.	.47	8	34	37	Cherry.....	Feb.	9	1937	.....	2696
Bear Creek.....	Bowring, Eva.....	Merriman.....	Bar 99 Ranch Canal..	Irrig.	.13	16	34	37	Cherry.....	Dec.	8	1938	.....	2898
Beeman Creek..	Vargason, Orval.....	Riverview.....	Beeman Canal.....	Irrig.	1.00	23	32	20	Keya Paha.....	May	20	1892	620	.....
Beeman Creek..	Barnard, C. O.....	Springview.....	Barnard Canal.....	Irrig.	.43	21	32	20	Keya Paha.....	June	1	1892	603	.....
Big Sandy Cr..	Pickler, W. S.....	Cody.....	Badger Canal.....	Irrig.	1.14	12	33	14	Holt.....	May	16	1902	.....	667
Big Sandy Cr..	Johnson, C. A.....	Butte.....	Badger Mill.....	Power	35.00	12	33	14	Holt.....	Aug.	28	1902	.....	685
Black Bird Cr..	Mullen, A. F.....	O'Neill.....	Mullen Canal.....	Irrig.	1.00	20	31	11	Holt.....	Aug.	18	1894	267	.....

DEPARTMENT OF ROADS AND IRRIGATION

Blue Bird Cr.....	Murphy, F.....	O'Neill.....	Murphy Canal.....	Irrig.	1.90	20	30	11	Holt.....	Sept.	17	1935	.....	2506
Boardman Cr.....	Bachelor, J. H.....	Valentine.....	Bachelor Canal.....	Irrig.	27.29	33	30	32	Cherry.....	Jan.	17	1935	.....	2506
Boardman Cr.....	Bachelor, C. B.....	Valentine.....	Bachelor Canal.....	Irrig.	9.17	31	30	32	Cherry.....	May	11	1939	.....	2922
Box Butte Cr.....	Sandoz, Wm.....	Marsland.....	Billys Canal.....	Irrig.	.21	29	25	45	Sheridan.....	Jan.	13	1900	.....	533
Brush Creek.....	Nebraska Townsite Company	Perry.....	Brush Creek Plant...	Power	15.00	23	33	13	Holt.....	Sept.	28	1898	.....	474
Brush Creek, East Branch	McCarthy, M. H.....	O'Neill.....	McCarthy Canal No. 1	Irrig.	.50	24	32	14	Holt.....	July	1	1894	264	.....
Brush Creek, West Branch	McCarthy, M. H., et al	O'Neill.....	McCarthy Canal No. 2	Irrig.	.64	26	32	14	Holt.....	Aug.	15	1894	266	.....
Burton Creek.....	Mutz, Otto.....	Springview.....	Burton Creek Canal...	Irrig.	.57	19	34	19	Keya Paha...	June	30	1895	608b	.....
Burton Creek.....	Mutz, Otto.....	Springview.....	One Trip Canal.....	Irrig.	.36	2	33	20	Keya Paha...	Sept.	2	1895	.....	142
Canyon	Gilmore, Emery.....	So. Omaha...	Gilmore Canal.....	Irrig.	14.29	36	30	54	Sioux.....	July	5	1907	.....	863
Cedar Creek.....	McNamee, Leonard P.	Johnstown...	Cedar Creek Canal...	Irrig.	.43	4	30	24	Brown.....	Sept.	28	1910	.....	1027
Coffey Lake, et al	Coffey Lake Drain- age District	Valentine.....	Coffey Lake Ditch...	Drain			33	39	Cherry.....	Nov.	22	1923	.....	1729
Coon Creek (See Laughing Water Cr.)	Leonard J. R.....	Bassett...	Leonard Pump.....	Irrig.	1.00	24	32	19	Rock.....	Aug.	17	1933	.....	2344
Cottonwood Cr.....	Morrissey, Tim.....	Hemingford..	Morrissey Canal.....	Irrig.	.71	17	29	48	Dawes.....	Feb.	16	1895	481	.....
Cottonwood Cr.....	Fendrich and Lichte..	Hemingford..	Fendrich-Lichte Canal	Irrig.	.64	22	29	48	Dawes.....	May	9	1896	.....	336
Cottonwood Cr.....	Lichte, Hugo.....	Chadron.....	Dunlap Canal.....	Irrig.	.36	22	29	48	Dawes.....	July	18	1911	.....	1113
Coyote Springs..	Watson, Claude R.....	Mitchell.....	Watson Canal.....	Irrig.	1.41	16	27	54	Sioux.....	July	7	1934	.....	2418
Coyote Springs..	Watson, Claude R.....	Mitchell.....	Coyote Springs Res.....	Irrig.	†15AF	16	27	54	Sioux.....	Apr.	1	1936	.....	2572
(Coyote Springs Reservoir)	Watson, Claude R.....	Mitchell.....	Coyote Springs Canal	Irrig.		16	27	54	Sioux.....	Apr.	1	1936	.....	2579

†Represents reservoir capacity alleged by applicant.
"R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						Sec.-ft.	S	T	R	County	Mo.			D	Yr.
Crooked Creek.	Mutz, Otto.....	Springview...	Mutz Canal.....	Power	3.00	20	34	19	Keya Paha...	Dec.	31	1889	608a	.....
Crooked Creek.	Mutz, Otto.....	Springview...	Mutz Canal.....	Irrig.	1.00	20	34	19	Keya Paha...	June	30	1895	608b	.....
Cross Creek.....	Hutchinson, W. H.....	Norden.....	Hutchinson Canal.....	Irrig.	.21	8	33	24	Keya Paha...	Sept.	1	1888	615	.....
Cub Creek.....	Tissue and Patterson..	Springview...	Tissue-Patterson Canal	Irrig.	.03	16	33	22	Keya Paha...	June	30	1894	618	.....
Cub Creek.....	Josiassin, S.....	Meadville.....	McComber Canal.....	Irrig.	.10	28	33	22	Keya Paha...	Aug.	15	1894	589	.....
Dry Creek.....	Christensen, Chris.....	Merriman.....	Dry Creek Canal.....	Irrig.	.41	18	34	38	Cherry.....	July	8	1935	.....	2552
Dry Creek.....	Moreland, Grace E.....	Merriman.....	Moreland Canal.....	Irrig.	.93	16	34	37	Cherry.....	May	22	1937	.....	2745
Eagle Creek.....	Bokhof, Wm.....	Atkinson.....	Bokhof Canal.....	Irrig.	2.86	6	30	13	Holt.....	Sept.	18	1894	275	.....
Eagle Creek.....	Robertson, J. A.....	Atkinson.....	Eagle Valley Canal.....	Irrig.	2.29	1	30	14	Holt.....	Mar.	15	1895	280	.....
Eagle Creek, South Branch	Becker, Samuel.....	Atkinson.....	Becker Canal.....	Irrig.	1.14	8	30	13	Holt.....	Nov.	30	1894	274	.....
Elk Creek.....	Lamb Brothers.....	Bassett.....	Lamb Canal.....	Irrig.	.01	6	31	19	Rock.....	Feb.	3	1934	.....	2359
Elk Creek.....	Lamb Brothers.....	Bassett.....	Lamb Power Plant.....	Power	3.00	6	31	19	Rock.....	Feb.	3	1934	.....	2360
Elk Creek.....	Koenig, Joe.....	Riverview.....	Pine Grove Res.....	Fish	†1AF	8	31	19	Rock.....	Apr.	30	1934	.....	2375
Fairfield Creek	Kuhre, Wm. M.....	Johnstown.....	Kuhre Pond.....	Power	25.00	31	33	23	Brown.....	Sept.	1	1893	612a	.....
Fairfield Creek	Kuhre, Wm. M.....	Johnstown.....	Kuhre Canal.....	Irrig.	.14	31	33	23	Brown.....	June	1	1894	612b	.....
Glencove Springs	Bakewell, Geo. C.....	Johnstown.....	Glencove Canal.....	Irrig.	.86	26	33	24	Brown.....	Mar.	1	1911	.....	1067
Gordon Creek.....	Wolfenden, C. R.....	Kennedy.....	Lee Canal.....	Irrig.	6.86	6	29	33	Cherry.....	Apr.	25	1895	973	.....
Gordon Creek (Hackberry Lake, et al)	Game, Forestation & Parks Commission	Lincoln.....	Hackberry Lake Supply Canal	Fish	†5000AF	7	30	29	Cherry.....	Oct.	18	1932	.....	2289
Gordon Creek.....	Fawn Lake Ranch Company	Rushville.....	Gordon Valley Res.....	Irrig.	.....	3	28	39	Cherry.....	July	27	1940	.....	3219

Gordon Creek.....	Young, Phylander H.	Simeon.....	Young Reservoir.....	Resort									
Hay Creek.....	Johnson, K. T., Estate	Cody.....	Johnson Canal.....	Irrig.	.50	19	35	34	Cherry.....	June	21	1940	3187
Hay Springs Cr.	Barnes, Walter J. and Phillips, Dwight	Hay Springs	Barnes and Phillips Reservoir	Irrig.	†12AF	8	31	46	Sheridan.....	Apr.	15	1935	2539
Hay Springs Cr.	Game, Forestation & Parks Commission	Lincoln.....	Walgren Lake Res....	Fish	†1280AF	29	31	45	Sheridan.....	May	20	1935	2549
Hay Springs Creek, North Branch	State Game and Parks Commission	Lincoln.....	Walgren Lake.....	Supp.	A-2549	19	31	45	Sheridan.....	Dec.	15	1939	3053
Holt Creek.....	Schoettger, F. J.....	Burton.....	Schoettger Canal.....	Irrig.	.14	32	35	20	Keya Paha...	Feb.	23	1895	595
Holt Cr., East..	Akers, J. W.....	Springview..	Akers Canal.....	irrig.	.14	1	34	21	Keya Paha...	Aug.	1	1894	611
Horse Head Cr.	Bruce, A.....	Norden.....	Bruce Canal.....	Irrig.	.17	16	33	24	Keya Paha...	Sept.	7	1895	149
Horse Shoe Lake, et al	Horse Shoe Lake Drainage District	Irwin.....	Horse Shoe Ditch.....	Drain		13	34	40	Cherry.....	June	27	1916	1461
Horse Shoe Lake Drain Ditch	Game, Forestation & Parks Commission	Lincoln.....	Shell Lake Reservoir	Fish	†800AF	21	34	40	Cherry.....	June	14	1940	3180
Huggins Creek..	Soper, H. K.....	Burton.....	Soper Canal.....	Irrig.	.14	21	35	20	Keya Paha...	Nov.	6	1894	592
Heckel Creek.....	Metzger, Paul.....	Merriman.....	Metzger Project 1.....	Irrig.	.71	26	35	38	Cherry.....	Mar.	21	1938	2851
Heckel Creek.....	Metzger, Paul.....	Merriman.....	Metzger Project 2.....	Irrig.	.14	23	35	38	Cherry.....	Mar.	21	1938	2852
Jewett Creek.....	Jewett, C. P.....	Meadville.....	B. L. Canal.....	Irrig.	.71	5	32	21	Keya Paha...	Oct.	23	1894	590
Keyapaha R.....	Yocum, J. C.....	Butte.....	Yocum Canal.....	Irrig.	1.14	23	34	15	Boyd.....	Sept.	7	1894	573
Keyapaha R.....	Bruce, Andrew & Son	Naper.....	Bruce Roller Mills...	Power	100.00	24	34	16	Boyd.....	Oct.	5	1903	729
Kibby Creek.....	Green, Martha J.....	Hillside.....	Green Canal.....	Irrig.	.01	28	34	16	Boyd.....	Apr.	1	1904	747
Laughing Water Creek (See Coon Creek)	Leonard, J. R.....	Bassett.....	Leonard Pump.....	Irrig.	.43	25	32	19	Rock.....	Aug.	17	1933	2344

†Represents reservoir capacity alleged by applicant

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Long Pine Cr...	Interstate Power Co.	Dubuque, Ia.	Long Pine Plant.....	Power	48.00	30	30	20	Brown.....	Apr.	2	1909	.....	941
Louse Creek.....	Lansberry, I. F.....	Red Bird.....	Lansberry Canal.....	Irrig.	.50	12	32	10	Holt.....	Sept.	18	1930	.....	2166
Middle Creek, East Branch	McGuire, M. W.....	Norden.....	McGuire Canal.....	Irrig.	.71	32	33	23	Keya Paha	June	1	1884	606	.....
Middle Creek, West Branch	Allen, M. M.....	Norden.....	Allen Canal.....	Irrig.	.50	29	33	23	Keya Paha	June	1	1891	616	.....
Middle Creek, West Branch	Allen, M. M.....	Norden.....	Allen Canal.....	Irrig.	1.00	29	33	23	Keya Paha	May	2	1904	.....	753
Mile Board Lake	Board of County Commissioners	Valentine.....	Mile Board Ditch.....	Drain		5	34	35	Cherry.....	Sept.	17	1924	.....	1750
Minnechadua Creek	Interstate Power Co.	Dubuque, Ia.	Pierce Milling Plant..	Power	35.00	30	34	27	Cherry.....	Sept.	12	1896	.....	359
Minnechadua Creek	City of Valentine.....	Valentine.....	Valentine Pwr. Plant	Power	40.00	29	34	27	Cherry.....	Apr.	16	1913	.....	1279
Minnechadua Creek	Village of Crookston	Crookston.....	Community Lake Res	Resort	+27AF	7	34	29	Cherry.....	Dec.	13	1935	.....	2568
Minnechadua Creek	Game, Forestation & Parks Commission	Lincoln.....	Valentine Reservoir...	Fish	+98AF	30	34	27	Cherry.....	July	15	1938	.....	2878
Newman Creek..	Newman, Philo.....	Norden.....	Newman Canal.....	Irrig.	.21	17	33	24	Keya Paha	July	1	1888	617	.....
Niobrara River..	Richardson, Wiley....	Harrison.....	Lakotah Canal.....	Irrig.	5.85	1	30	57	Sioux.....	Oct.	1	1883	554	.....
Niobrara River..	Coffee Cattle Co.....	Chadron.....	Earnest Canal No. 1.	Irrig.	2.86	9	29	56	Sioux.....	May	1	1885	514a	.....
Niobrara River..	Bruce, A.....	Norden.....	Bruce Mill.....	Power	60.00	16	33	24	Keya Paha	Apr.	1	1886	610	.....
Niobrara River..	Cook, J. H.....	Agate.....	McGinley-Stover Lower North Canal	Irrig.	8.21	25	29	56	Sioux.....	May	1	1887	513a	.....
Niobrara River..	Furman, H. G., Jr....	Marsland.....	Pioneer Canal.....	Irrig.	7.14	36	29	51	Dawes.....	Aug.	1	1887	442a	.....
Niobrara River..	Hedgecock, Geo., et al	Marsland.....	McLaughlin Canal.....	Irrig.	7.14	9	28	52	Box Butte	May	1	1888	566	.....

Niobrara River..	Hughes, John.....	Marsland.....	Lower South Canal Hughes Canal.....	Irrig.	.57	1	28	52	Box Butte.....	May	31	1890	987a	.....
Niobrara River..	Coffee Cattle Co.....	Chadron.....	Earnest Canal No. 2.....	Irrig.	2.14	9	29	56	Sioux.....	May	15	1891	514b	.....
Niobrara River..	Cook, J. H.....	Agate.....	Cook Canals 1-2.....	Irrig.	3.54	2	28	56	Sioux.....	May	31	1891	980	.....
Niobrara River..	Ellicott, Don H., et al	Harrison.....	Bigelow and Seymour Canal	Irrig.	2.40	19	31	57	Sioux.....	June	8	1891	510	.....
Niobrara River..	Skavdahl, Oscar, et al	Harrison.....	Harris-Neece Canal.....	Irrig.	8.57	3	28	55	Sioux.....	July	1	1892	517	.....
Niobrara River..	Furman, H. G., Jr.....	Marsland.....	Pioneer Canal.....	Power	10.00	31	29	50	Dawes.....	Aug.	1	1893	442b	.....
Niobrara River..	Roll Mill Company.....	Marsland.....	Roll Mill.....	Power	35.00	5	28	51	Box Butte.....	Sept.	10	1893	970	.....
Niobrara River..	Green, Frank J. Est..	Boulder, Colo.	Meridian Canal.....	Irrig.	.57	25	29	50	Dawes.....	Jan.	10	1894	459	.....
Niobrara River..	Taylor, Geo. L., Est..	Nonpariel.....	Enterprise Canal.....	Irrig.	5.71	27	29	50	Dawes.....	Jan.	27	1894	461	.....
Niobrara River..	Furman, Anson L. and Willis B.	Marsland.....	Furman Canal.....	Irrig.	3.64	29	29	50	Dawes.....	Feb.	2	1894	462	.....
Niobrara River..	Hughes, John.....	Marsland.....	Hughes Canal.....	Irrig.	.30	1	28	52	Box Butte.....	Apr.	15	1894	987b	.....
Niobrara River..	Warneke, Henry.....	Harrison.....	Johnson Canal.....	Irrig.	2.86	36	31	57	Sioux.....	May	1	1894	511	.....
Niobrara River..	McMannis, J. T., et al	Hemingford..	McMannis-Neeland Canal	Irrig.	.86	29	29	49	Dawes.....	June	15	1894	463	.....
Niobrara River..	McCully, S. J.....	Carnes.....	McCully Canal.....	Irrig.	8.57	25	32	20	Keya Paha.	Aug.	7	1894	583	.....
Niobrara River..	Fienken, Chas.....	Dustin.....	Fienken Canal.....	Irrig.	1.00	12	33	16	Boyd.....	Oct.	1	1894	575	.....
Niobrara River..	Wilson, J. A.....	Springview...	Wilson Canal.....	Irrig.	5.71	18	32	21	Keya Paha.	Oct.	18	1894	591	.....
Niobrara River..	Iodence, W. M.....	Hemingford..	Lichte Canal.....	Irrig.	1.43	27	29	48	Dawes.....	Jan.	24	1895	479	.....
Niobrara River..	Warneke H., Estate..	Harrison.....	Warneke Canal.....	Irrig.	1.57	27	31	57	Sioux.....	Feb.	13	1895	505	.....
Niobrara River..	Cook, J. H.....	Agate.....	McGinley-Stover Upper Canal	Irrig.	2.86	23	29	56	Sioux.....	Feb.	25	1895	521	.....
Niobrara River..	Harris, Caroline M...	Marsland.....	LaBelle Canal.....	Irrig.	2.00	6	28	54	Sioux.....	Mar.	12	1895	518	.....
Niobrara River..	Furman, H. G.....	Marsland.....	Snow Canal.....	Irrig.	2.86	35	29	51	Dawes.....	Mar.	26	1895	485	.....
Niobrara River..	Hughes, John.....	Marsland.....	Excelsior Canal.....	Irrig.	2.86	10	28	52	Box Butte.....	May	15	1895	568	.....
Niobrara River..	Mann, John E.....	Harrison.....	Bourett Canal.....	Irrig.	2.00	33	30	56	Sioux.....	June	8	1895	.....	4
Niobrara River..	Bourett, John S.....	Harrison.....	Bourett South Canal..	Irrig.	1.16	29	30	56	Sioux.....	June	10	1895	.....	5
Niobrara River..	Harris, Caroline M...	Marsland.....	LaBelle Canal.....	Irrig.	3.14	6	28	54	Sioux.....	July	3	1895	.....	60
Niobrara River..	Bond and Tissott.....	Peters.....	Usher Canal.....	Irrig.	1.16	19	29	46	Sheridan.....	July	17	1895	.....	82
Niobrara River..	Thompson, Mrs. Addie	Antioch.....	Moore Canal.....	Irrig.	5.71	9	28	53	Sioux.....	July	22	1895	.....	88
Niobrara River..	Sandoz, George.....	Gordon.....	Mettlen Canal.....	Irrig.	4.90	4	28	54	Sioux.....	Apr.	27	1896	.....	292

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provis- ional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Niobrara River.	Neeland, Sarah J.....	Hemingford.	McMannis-Neeland Canal	Irrig.	1.07	29	29	49	Dawes.....	Apr.	9	1898	.....	448
Niobrara River.	Armstrong, T. S.....	Butte.....	Armstrong Canal.....	Power	150.00	9	33	13	Boyd.....	May	14	1898	.....	452
Niobrara River.	Hunter, Jas. A.....	Alliance.....	Meridian Canal.....	Irrig.	5.14	25	29	50	Dawes.....	Aug.	29	1898	.....	469
Niobrara River.	Bourett, J. S.....	Harrison.....	Bourett Canal.....	Irrig.	1.00	29	30	56	Sioux.....	Mar.	5	1900	.....	542
Niobrara River.	Richardson, Wiley.....	Harrison.....	J. S. Bourett Canal.....	Irrig.	2.00	19	30	56	Sioux.....	Mar.	17	1900	.....	546
Niobrara River.	Montague, Mrs. Elizabeth	Hemingford.	Montague Canal.....	Irrig.	.43	27	29	48	Dawes.....	Sept.	27	1900	.....	575
Niobrara River.	Montague, Mrs. Elizabeth	Hemingford.	Chladek Canal.....	Irrig.	.30	26	29	48	Dawes.....	Mar.	18	1901	.....	607
Niobrara River.	Wegrzyn, Bina.....	Hemingford.	Fendrich Canal.....	Irrig.	.29	32	29	48	Dawes.....	June	1	1901	.....	616
Niobrara River.	Wegrzyn, Bina.....	Hemingford.	Fendrich Canal.....	Irrig.	.27	32	29	48	Dawes.....	June	1	1901	.....	617
Niobrara River.	Interstate Power Co.	Dubuque Ia.	Valentine Plant.....	Power	1600.00	27	34	27	Cherry.....	Jan.	29	1902	.....	652
Niobrara River and Pepper Cr.	Taylor, D. T.....	Hay Springs	Taylor Canal.....	Irrig.	4.57	28	29	47	Dawes.....	Aug.	8	1904	.....	766
Niobrara River.	Kirk, E. L.....	Sioux City, Iowa	Nebr. Pwr. Co. Plant	Power	900.00	34	32	7	Knox.....	Sept.	24	1909	.....	961
Niobrara River.	Kirk, E. L.....	Sioux City, Iowa	Nebr. Pwr. Co. Plant	Power	700.00	34	32	7	Knox.....	Aug.	9	1910	.....	1019
Niobrara River.	Mann, John E.....	Harrison.....	Beiser Canal.....	Irrig.	.50	4	29	56	Sioux.....	Jan.	23	1911	.....	1056
Niobrara River.	Mann, John E.....	Harrison.....	Bourett Canal Ext.....	Irrig.	.75	33	30	56	Sioux.....	Jan.	23	1911	.....	1057
Niobrara River.	Iodence, W. M.....	Hemingford.	Lichte Canal.....	Irrig.	2.25	27	29	48	Dawes.....	Apr.	7	1911	.....	1086
Niobrara River.	Dierex, Camille.....	Rushville.....	Camille Canal.....	Irrig.	1.53	19	30	42	Sheridan.....	Apr.	10	1911	.....	1087
Niobrara River.	Montague, Mrs. Elizabeth	Hemingford.	Lichte Canal.....	Irrig.	.71	27	29	48	Dawes.....	Apr.	19	1911	.....	1088
Niobrara River.	Iodence, Charles G..	Hemingford.	Lichte Canal.....	Irrig.	.24	27	29	48	Dawes.....	Jan.	2	1912	.....	1152
Niobrara River.	Bourett, John.....	Harrison.....	Bourett Canal No. 1.	Irrig.	.11	29	30	56	Sioux.....	Mar.	25	1912	.....	1188
Niobrara River.	Wells, Harry E.....	Butte.....	Wells Pump.....	Irrig.	1.64	32	32	40	Cherry.....	May	2	1912	.....	1193
Niobrara River.	Bourett, John.....	Harrison.....	Bourett Canal No. 2.	Irrig.	.21	29	30	56	Sioux.....	July	19	1912	.....	1209
Niobrara River.	Davison, F. B. and C. T.	Hemingford.	Mettlen Canal.....	Irrig.	.75	4	28	54	Sioux.....	Dec.	18	1912	.....	1248
Niobrara River.	Davison, F. B. and C. T.	Hemingford.	Bennett Canal.....	Irrig.	3.45	1	28	54	Sioux.....	Dec.	18	1912	.....	1249

Niobrara River..	Bushnell, Esther N.....	Marsland.....	Geo. Hitshew Canal.....	Irrig.	6.00	6	28	52	Box Butte.....	Feb.	17	1913	.....	1260
Niobrara River..	Coffee Cattle Co.....	Chadron.....	Coffee Canal No. 3.....	Irrig.	2.50	15	29	56	Sioux.....	Mar.	24	1914	.....	1362
Niobrara River..	U. S. Forest Reserve	Nenzel.....	Morton Nursery Canal	Irrig.	.50	30	33	32	Cherry.....	June	15	1917	.....	1488
Niobrara River..	Davison, Fred B.....	Marsland.....	Davison Canal.....	Irrig.	.21	12	28	54	Sioux.....	Apr.	27	1922	.....	1662
Niobrara River..	Nebraska Hydro Electric Power Company	St. Paul. Minn.	Northern Nebraska Plant No. 1	Power	1450.00	30	33	11	Boyd-Holt.....	Oct.	30	1923	.....	1725
Niobrara River..	Nebraska Hydro Electric Power Company	St. Paul. Minn.	Northern Nebraska Plant No. 1	Rs.dam A-1725		30	33	11	Boyd-Holt.....	Aug.	20	1925	.....	1777
Niobrara River..	Nebraska Hydro Electric Power Company	St. Paul. Minn.	Northern Nebraska Plant No. 1	Rs.dam A-1725		30	33	11	Boyd-Holt.....	Aug.	29	1927	.....	1955
Niobrara River..	Bradstreet, W. D.....	Spencer.....	Verdigris Pwr. Plant	Power		32	32	7	Knox.....	Dec.	30	1930	.....	2183*
Niobrara River..	Griffith, Harry B.....	Omaha.....	Bristow Power Plant	Power		6	32	10	Boyd.....	June	10	1931	.....	2209*
Niobrara River..	Sandoz, Geo. E.....	Gordon.....	Mettlen Canal Ext.....	Irrig.	1.14	4	28	54	Sioux.....	Oct.	13	1931	.....	2244
Niobrara River..	Kay, D. L.....	Marsland.....	Kay Canal No. 2.....	Irrig.	.43	9	28	53	Sioux.....	Oct.	15	1931	.....	2245
Niobrara River..	Lewis, W. H.....	Chicago, Ill.	Bristow Power Plant	Power		6	32	10	Boyd.....	Nov.	3	1931	.....	2247*
Niobrara River..	Kay, D. L.....	Marsland.....	Kay Canal.....	Irrig.	3.14	1	28	54	Sioux.....	Nov.	18	1931	.....	2250
Niobrara River..	Hughes, John R.....	Marsland.....	Excelsior Canal Ext.	Irrig.	1.92	10	28	52	Box Butte.....	Mar.	28	1932	.....	2264
Niobrara River..	Montague, Mrs. Elizabeth	Hemingford..	Montague Canal.....	Irrig.	1.76	28	29	48	Dawes.....	Mar.	31	1932	.....	2266
Niobrara River..	Harris, Frank, et al...	Marsland.....	Harris-Neece Canal Extension	Irrig.	7.27	3	28	55	Sioux.....	July	11	1932	.....	2275
Niobrara River..	Nellis, Claud.....	Monowi.....	Nellis Pump.....	Irrig.	.09	2	32	9	Boyd.....	Apr.	24	1933	.....	2319
Niobrara River..	Bushnell, Esther N.....	Marsland.....	Hitshew Canal No. 2.....	Irrig.	.92	6	28	52	Box Butte.....	Jan.	28	1935	.....	2509
Niobrara River..	Iodence, Wm. M.....	Hemingford..	Lichte Canal Ext.....	Irrig.	2.95	27	29	48	Dawes.....	Mar.	2	1935	.....	2523
Niobrara River..	Johndreau, J. N.....	Gordon.....	Johndreau Pumps.....	Irrig.	.96	24	31	42	Sheridan.....	Aug.	9	1935	.....	2555
Niobrara River..	Potmesil, John.....	Hemingford..	Potmesil Canal.....	Irrig.	6.76	26	29	48	Dawes.....	Oct.	29	1935	.....	2566
Niobrara River..	Nissen, Peter J.....	Hay Springs	Nissen Pump.....	Irrig.	1.54	23	29	46	Sheridan.....	May	5	1936	.....	2578
Niobrara River..	Woodhouse, Earl.....	Gordon.....	Woodhouse Pump.....	Irrig.	.34	17	31	41	Sheridan.....	Apr.	25	1936	.....	2623
Niobrara River..	Kuchera, Harry J.....	Rushville.....	Kuchera Pump.....	Irrig.	.90	32	30	44	Sheridan.....	Nov.	6	1936	.....	2654
Niobrara River..	Horn, Carl S., et al..	Hay Springs	Mirage Canal.....	Irrig.		26	29	48	Dawes.....	Jan.	25	1937	.....	2683*
Niobrara River..	Horn Carl S.....	Hay Springs	Mirage Res. No. 1.....	Irrig.		28	29	49	Dawes.....	Mar.	6	1937	.....	2709a*
Niobrara River..	Horn Carl S.....	Hay Springs	Mirage Res. No. 2.....	Irrig.		10	29	46	Sheridan.....	Mar.	6	1937	.....	2709b*
			Mirage Res. No. 3.....	Irrig.		6	29	45	Sheridan.....					

*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.		
						S	T	R	County	Mo.	D			Yr.	
Niobrara River..	Lichte, Hugo.....	Chadron.....	Montague Canal.....	Irrig.	.29	27	29	48	Dawes.....	June	14	1937	.....	2754
Niobrara River..	Iodence, Chas. G.....	Hemingford..	Lichte Canal.....	Irrig.	1.46	27	29	48	Dawes.....	Feb.	11	1938	.....	2837
Niobrara River..	Iodence, Chas. G.....	Hemingford..	Iodence Pump.....	Irrig.	1.64	26	29	48	Dawes.....	Feb.	11	1938	.....	2838
Niobrara River..	Barnhart, Woodie V.	O'Neill.....	Barnhart Pump.....	Irrig.	.35	17	32	6	Knox.....	June	19	1939	.....	2930
Niobrara River..	Dalton, Charles S., et al	Niobrara.....	Raymond Irrig Co. Pump	Irrig.	15.47	2	31	7	Knox.....	Sept.	21	1939	.....	2968
Pine Creek.....	Coldlesser, Lewis.....	Rushville.....	Pine Creek Mills.....	Power	32.00	33	30	44	Sheridan.....	June	5	1893	415	.....
Plum Creek.....	Plum Creek Irrig. Company	Johnstown.....	Johnstown Canal.....	Irrig.	26.00	4	29	24	Brown.....	Dec.	18	1894	405	.....
Plum Creek.....	Wilbert, R.....	Ainsworth.....	Wilbert Canal.....	Irrig.	.43	35	32	23	Brown.....	May	5	1896	.....	329
Plum Creek.....	Interstate Power Co..	Dubuque, Ia.	Plum Creek Plant.....	Power	150.00	32	32	22	Brown.....	May	15	1909	.....	947
Pole Creek.....	Julian and Wells.....	Gordon.....	Pole Creek Canal.....	Irrig.	.57	28	32	40	Cherry.....	June	29	1905	.....	799
Rickman Creek	Byington, Mrs. W. W.	Riverview.....	Byington Canal.....	Irrig.	1.00	22	32	20	Kepa Paha..	May	19	1891	582	.....
‡Rock Creek.....	Eastlick, B. J.....	Carns.....	Necessity Canal.....	Irrig.	.36	29	32	18	Rock.....	Jan.	17	1895	395	.....
Rock Creek.....	Wile, H.....	Mariaville.....	Wile Canal.....	Irrig.	.86	9	31	18	Rock.....	Apr.	3	1895	397	.....
Rock Creek.....	Dugger Brothers.....	Bassett.....	Dugger Canal.....	Irrig.	4.57	33	32	18	Rock.....	Apr.	24	1919	.....	1539
Rock Creek.....	Van Koten, J.....	Springview..	Van Koten Canal.....	Irrig.	.07	25	33	22	Keya Paha..	Jan.	1	1885	619	.....
Rock Springs Creek	Chase, Albert B.....	Meadville.....	Moore Canal.....	Irrig.	1.43	12	32	22	Keya Paha..	June	30	1887	593	.....
Sand Creek.....	Peacock, Gardie M..	Newport.....	Peacock Canal.....	Irrig.	.02	35	32	18	Rock.....	Nov.	14	1929	.....	2112
Sand Creek.....	Coakley, Lucy F.....	Lynch.....	Coakley Pump.....	Irrig.	.57	6	32	9	Holt.....	Dec.	15	1934	.....	2499
Shobe Branch..	Lamb, A. J.....	Spencer.....	Lamb Canal.....	Irrig.	.14	30	33	11	Holt.....	July	6	1896	.....	322
Snake River.....	Western, Water Power and Irrig. Company	Scottsbluff..	Snake River Plant No. 1	Power			9	31	30	Cherry.....	Jan.	16	1929	2062*

Spotted Tail Cr.	Rhodes, J. G.	McLean	Spotted Tail Canal	Irrig.	.07	4	34	17	Keya Paha	May	17	1895	601	.....
Spring Creek	Kuskie, A. K.	Sparks	Garden Canal	Irrig.	.09	27	34	25	Cherry	Mar.	30	1900	.....	555
Spring Creek	Baker, H. H.	Mills	HorseShoe Lake Res.	Fish	†16AF	4	34	18	Keya Paha	May	10	1934	.....	2380
Spring Creek	Spinar, Frank J.	Red Bird	Spinar Canal	Irrig.	.29	1	32	11	Holt	Feb.	25	1935	.....	2519
Spring Creek	Smith, Harold R.	Naper	Smith Canal	Irrig.		26	34	16	Boyd	July	26	1940	.....	3217
Springs, Lewis	Lewis, Ralph	Burton	Lewis Canal	Irrig.	.14	29	35	19	Keya Paha	Aug.	30	1895	.....	139
Springs, Prouty	Prouty, H. S.	Spencer	Prouty Canal	Irrig.	1.44	5	32	11	Holt	June	1	1934	.....	2393
Springs, Wrede	Wrede, John	Red Bird	Wrede Canal	Irrig.	.31	8	32	10	Holt	July	28	1934	.....	2449
Springs, Spinar	Spinar, Frank J.	Red Bird	Spinar Canal Ext.	Irrig.	.23	1	32	11	Holt	Apr.	9	1935	.....	2535
Springs, Trib. to Burton Cr.	Baker, Jno. D.	Burton	Pheasant Roost Res.	Fish	†12AF	5	34	19	Keya Paha	May	15	1940	.....	3160
Stream, No Name	Grant, C. G.	Long Pine	Grant Canal	Irrig.	.14	4	31	20	Rock	Jan.	1	1895	400	.....
Stream, No Name	Conger, C. K.	Norden	Conger Canal	Irrig.	.10	5	33	24	Keya Paha	Sept.	16	1895	.....	158
Turkey Creek	LaRue, Chas.	Norden	LaRue Canal No. 1	Irrig.	.43	35	33	23	Keya Paha	Feb.	9	1900	.....	539
Turkey Creek	LaRue, Chas.	Norden	LaRue Canal No. 2	Irrig.	2.00	35	33	23	Keya Paha	May	11	1904	.....	754
Turkey Creek	Stuart, Solon D.	Springview	Stuart Canal	Irrig.	.03	23	33	23	Keya Paha	June	14	1934	.....	2408
Turkey Creek	Haun, Cecil	Springview	Logan Canal	Irrig.	.03	23	33	23	Keya Paha	Aug.	7	1934	.....	2457
Turkey Creek	Bates, Harry M.	Meadville	Prim Rose Pump	Irrig.	.07	36	33	23	Keya Paha	Oct.	29	1934	.....	2489
Turkey Creek Tributary to	O. H. Johnson and Company	Norfolk	Johnson Pump	Irrig.	.01	23	33	23	Keya Paha	Apr.	23	1935	.....	2541
Verdigris Cr.	Hanson, J. W.	Emmetburg, Iowa	Drayton Canal	Irrig.	2.86	8	28	8	Antelope	Aug.	11	1894	248	.....
Whistle Creek	Harris, Frank	Marsland	Home Canal	Irrig.	.86	13	28	54	Sioux	June	6	1895	.....	65

*Application pending.

†Represents reservoir capacity alleged by applicant.

‡Rock Creek in Keya Paha and Rock Counties are separate streams.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Concluded.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Whistle Creek....	Davison, Ella.....	Marsland.....	Whistle Creek Canal..	Irrig.	1.00	12	28	54	Sioux.....	June	28	1895	.....	58
Wyman Creek....	McCully, R. A.....	Carns.....	McCully Canal.....	Irrig.	.80	19	32	19	Keya Paha...	June	10	1891	604	.....
Wyman Creek....	Horton, I.....	Carns.....	Horton Canal.....	Irrig.	.14	17	32	19	Keya Paha..	June	5	1894	587	.....
Young Creek....	Lamb, A. J.....	Spencer.....	Harvey-Lamb Canal....	Irrig.	.21	32	33	11	Holt.....	June	13	1896	.....	311

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-D

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Ash Creek.....	Connell, W. D.....	Whitney.....	Connell Canal.....	Irrig.	.63	6	32	50	Dawes.....	June	17	1898	459	
Ash Creek.....	Cripps, Fred W.....	Whitney.....	Cripps Canal.....	Irrig.	1.14	13	32	51	Dawes.....	Dec.	26	1903	735	
Ash Creek.....	Howard, W. C.....	Whitney.....	Cripps Canal.....	Irrig.	.57	13	32	51	Dawes.....	Aug.	27	1906	835	
Ash Creek.....	Cripps, Fred W.....	Whitney.....	Cripps Reservoir.....	Irrig.	†90AF	12	32	51	Dawes.....	Sept.	28	1934	2481	
(Cripps Res.).....	Cripps, Fred W.....	Whitney.....	Cripps Pump.....	Irrig.		12	32	51	Dawes.....	Sept.	28	1934	2571	
Ash Creek.....	Cartwright, Cora H. C.	Whitney.....	Cartwright Pump.....	Irrig.	.07	7	32	50	Dawes.....	Mar.	13	1940	3117	
Ash Cr., East....	Tomlin, H. B., Estate	Crawford.....	Ox Yoke (Tomlin Canal	Irrig.	1.38	29	32	50	Dawes.....	May	31	1880	447R	
Ash Cr., East....	Ivins, Mytle L., and Stumph, John E.	Crawford..... Whitney.....	Stumph Canal.....	Irrig.	1.00	32	32	50	Dawes.....	May	31	1880	447R	
Ash Cr., East....	Sprague, Lewis Edgar et al	Chadron.....	Barron Canal.....	Irrig.	1.14	32	32	50	Dawes.....	July	1	1888	438R	
Ash Cr., East....	Holding Brothers.....	Arcadia, Cal.	Stumph Canal.....	Irrig.	.20	31	32	50	Dawes.....	Sept.	5	1892	1023 1/2	
Ash Cr., East....	Ivins, Orville R.....	Crawford.....	Sheldon Canal.....	Irrig.	1.43	30	32	50	Dawes.....	Jan.	26	1899	493	
Ash Cr., East....	Vetter, Andrew, Est..	Crawford.....	Todd Canal.....	Irrig.	.38	5	31	50	Dawes.....	Sept.	12	1899	520	
Ash Cr., East.... (See Indian Creek)	Norman, Harry.....	Whitney.....	Norman-Barron Canal	Irrig.	†776AF	32	32	50	Dawes.....	Aug.	22	1927	1953	
(Norman Res.)..	Norman, Harry.....	Whitney.....	Harry Canal.....	Irrig.		8	32	50	Dawes.....	Aug.	22	1927	2179	
Ash Cr. East....	Sprague, Lewis Edgar et al	Chadron.....	Barron Canal Ext....	Irrig.	.89	32	32	50	Dawes.....	Aug.	15	1928	2024	
Ash Cr. East....	Thomas, Olive S.....	Whitney.....	Thomas Canal.....	Irrig.	1.00	19	32	50	Dawes.....	Dec.	17	1928	2057	
Ash Cr. East....	Seegrift, Cloid.....	Whitney.....	Seegrift Power Plant..	Power	3.00	8	31	50	Dawes.....	May	20	1930	2140	
Ash Cr. East....	Stump, John E.....	Whitney.....	Ox Yoke-Stumph Canal	Irrig.		31	32	50	Dawes.....	June	6	1931	2205*	
Ash Cr. West....	Vetter, Andrew, Estate	Crawford.....	Mace Canal.....	Irrig.	1.00	2	31	51	Dawes.....	July	31	1884	428	
Ash Cr. West....	Ivins, Orville R., et al	Crawford.....	West Ash Cr. Canal..	Irrig.	1.62	36	32	51	Dawes.....	July	4	1893	452	

*Application pending.

†Represents reservoir capacity alleged by applicant.

"R" Denotes relocation.

DEPARTMENT OF ROADS AND IRRIGATION

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-D—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant In	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						Sec.-ft.	S	T	R	County	Mo.			D	Yr.
Ash Cr. West.....	Ivins, Orville R.....	Crawford.....	Wall (West Ash Cr.) Canal	Irrig.	.57	36	32	51	Dawes.....	Feb.	3	1898	.....	434
Beaver Creek.....	Braddock, Mrs. Wm.....	Chadron.....	Lockler Canal.....	Irrig.	1.83	34	35	47	Dawes.....	Sept.	15	1892	1017	.....
Beaver Creek.....	Braddock, Mrs. Wm.....	Chadron.....	Braddock Canal.....	Irrig.	.36	18	34	46	Sheridan.....	Apr.	15	1895	423	.....
Beaver Creek.....	Braddock, J. F.....	Chadron.....	Braddock Canal.....	Irrig.	.04	1	34	47	Dawes.....	Apr.	15	1895	974	.....
Beaver Creek.....	Braddock, J. F.....	Chadron.....	Braddock Canal.....	Irrig.	.64	1	31	47	Dawes.....	Nov.	24	1897	.....	463
Beaver Creek.....	U. R. Land and Cattle Company	Chadron.....	Cilek Canal.....	Irrig.	.36	4	33	46	Sheridan.....	June	19	1899	.....	513
Beaver Creek.....	Rickman, A. W.....	Chadron.....	Rickman Canal.....	Irrig.	1.00	9	33	46	Sheridan.....	July	2	1902	.....	681
Beaver Creek.....	Braddock, Julia A.....	Chadron.....	Braddock Canal Ext.	Irrig.	.39	18	34	46	Sheridan.....	Sept.	19	1928	.....	2033
Beaver Creek.....	Braddock, Julia A.....	Chadron.....	Lockler Canal.....	Irrig.	.49	34	35	47	Dawes.....	Sept.	19	1928	.....	2034
Beaver Creek.....	Tulloss, Frank L.....	Hay Springs	Tulloss Pond.....	Fish	†4AF	3	32	46	Sheridan.....	May	22	1930	.....	2141
Bordeaux, Big.....	Locket, T. E.....	Chadron.....	Locket Canal.....	Irrig.	.07	11	32	48	Dawes.....	June	30	1886	494	.....
Bordeaux, Big.....	Naylor, Charles.....	Chadron.....	Mann Canal.....	Irrig.	.23	25	33	48	Dawes.....	Dec.	31	1892	975	.....
Bordeaux, Big.....	Adams, S. L.....	Chadron.....	Adams Canal.....	Irrig.	.14	2	32	48	Dawes.....	Mar.	5	1893	450	.....
Bordeaux, Big.....	County of Dawes.....	Chadron.....	Dawes County Canal	Irrig.	.14	23	33	48	Dawes.....	July	31	1893	983	.....
Bordeaux, Big.....	O'Donnell, Pat.....	Chadron.....	O'Donnell Canal.....	Irrig.	.14	9	34	48	Dawes.....	Jan.	17	1898	.....	432
Bordeaux, Big.....	Meyer, Henry J.....	Albion.....	Collins Reservoir.....	Irrig.	.31	14	32	48	Dawes.....	Feb.	27	1905	.....	780
Bordeaux, Big.....	Thomas Brothers.....	Chadron.....	Thomas Canal.....	Irrig.	2.13	34	34	48	Dawes.....	Sept.	12	1924	.....	1748
Bordeaux, Big.....	O'Donnell, Pat.....	Chadron.....	O'Donnell Canal Ext.	Irrig.	.63	9	34	48	Dawes.....	Sept.	22	1928	.....	2036
Bordeaux, Big.....	Kelso, S. M.....	Chadron.....	Bell Isle Lake.....	Fish	†15AF	23	33	48	Dawes.....	June	13	1930	.....	2144
Bordeaux, Big.....	Kelso, S. M.....	Chadron.....	Kelso Pump.....	Irrig.	.10	14	33	48	Dawes.....	July	24	1930	.....	2151
Bordeaux, Big.....	Nelson, P. B.....	Chadron.....	Kelso Pump No. 1.....	Irrig.	.14	14	33	48	Dawes.....	Aug.	11	1932	.....	2279
Bordeaux, Big.....	Kelso, S. M., and Morrisey, Martin	Chadron.....	Kelso Pump No. 2.....	Irrig.	.03	14	33	48	Dawes.....	July	7	1933	.....	2328
Bordeaux, Big.....	Peterson, Margaret J.	Chadron.....	Peterson Pump.....	Irrig.	.05	25	33	48	Dawes.....	May	31	1934	.....	2392
Bordeaux, Big.....	Gochnauer Chris H.....	Chadron.....	Gochnauer Canal.....	Irrig.	.17	10	33	48	Dawes.....	July	11	1934	.....	2420
Bordeaux, Big.....	Pinkerton, Mrs. Geo A.	Chadron.....	Kelso Pump No. 3.....	Irrig.	.14	14	33	48	Dawes.....	Aug.	6	1934	.....	2456
Bordeaux, Big.....	Martens, Paul A.....	Chadron.....	Martens Pump.....	Irrig.	.21	16	34	48	Dawes.....	Nov.	16	1937	.....	2801

DEPARTMENT OF ROADS AND IRRIGATION

Bordeaux, Little	Schmidt, Elwin.....	Chadron.....	Hartzell Canal.....	Irrig.	.57	13	33	48	Dawes.....	June	1	1893	448	.....
Bordeaux, Little	Whitsel, Mrs. Sarah...	Chadron.....	Butler Canal.....	Irrig.	.11	33	33	47	Dawes.....	June	1	1894	443	.....
Bordeaux, Little	Fraday C. H.....	Chadron.....	Fraday Canal.....	Irrig.		30	33	47	Dawes.....				1009*	.....
Bordeaux, Little	Preble, Howard A.....	Chadron.....	Preble Pump.....	Irrig.	.02	4	32	47	Dawes.....	July	28	1933		2339
Chadron Creek..	City of Chadron.....	Chadron.....	Chadron Water Wks.	Dom.	1.00	18	32	48	Dawes.....	Dec.	31	1888	1022	.....
Chadron Creek..	Gorr, James O., Est...	Chadron.....	Gallup Canal.....	Irrig.	.09	15	33	49	Dawes.....	Dec.	20	1890	426	.....
Chadron Creek..	Wilson H. M.....	Chadron.....	Tug Wilson Canal.....	Irrig.	.20	12	32	49	Dawes.....	July	13	1893	453	.....
Chadron Creek..	City of Chadron.....	Chadron.....	Chadron Water Wks.	Dom.	4.50	18	32	48	Dawes.....	Apr.	8	1920		1583
Chadron Creek..	State Park Board.....	Lincoln.....	Chadron State Park Supply Canal	Resort	†10AF	31	32	48	Dawes.....	Apr.	17	1928		2007
Charcoal Creek..	Lingwood, Thurston...	Crawford.....	Charcoal Canal.....	Irrig.	.13	33	31	53	Sioux.....	Apr.	2	1940		3130
Cottonwood, Lit.	Golden, T. F., Estate..	Crawford.....	Thomas Stuart Canal	Irrig.	.36	8	32	52	Dawes.....	Dec.	21	1890	425	.....
Cottonwood, Lit.	Price, J. A. B., and Golden T. F., Estate	Crawford.....	Stuart Bros. North Canal	Irrig.	1.43	18	32	52	Dawes.....	June	10	1895		8
Cottonwood, Lit.	Price, J. A. B., and Golden T. F., Estate	Crawford.....	Stuart Bros. South Canal	Irrig.	1.43	18	32	52	Dawes.....	June	10	1895		8R
Cottonwood, Lit.	Abbott, Wm. J., Est...	Whitman.....	Dunn Canal.....	Irrig.	1.43	9	32	52	Dawes.....	Jan.	14	1902		649
Cottonwood, Lit.	Erickson, John R.....	Crawford.....	Stuart-Maple Canal.....	Irrig.	.70	3	32	52	Dawes.....	Mar.	10	1902		656
Cottonwood, Lit.	Kusel, William T.....	Chadron.....	Kusel-Spearman Canal	Irrig.	.71	8	32	51	Dawes.....	June	30	1902		677
Cottonwood, Lit.	Lawrence, Fay.....	Crawford.....	Broadhurst Canal.....	Irrig.	3.29	7	32	51	Dawes.....	Feb.	25	1913		1264
Cottonwood, Lit.	Dodd and McDowell..	Crawford.....	Dodd-McDowell Res...	Irrig.	†480AF	13	32	53	Sioux.....	Apr.	15	1913		1276
(Dodd-Mc- Dowell Res.)	Dodd, Calvin H.....	Crawford.....	Dodd-McDowell Canal	Irrig.		17	32	52	Dawes.....	Apr.	15	1913		1571
Cottonwood, Lit.	Simons, Raner.....	Crawford.....	Simons Canal.....	Irrig.	.77	9	32	51	Dawes.....	Feb.	12	1934		2363
Cottonwood, Lit.	Whitney Irrig. Dist...	Crawford.....	Simmons Supply Canal	Supple.	†350AF	7	32	51	Dawes.....	Aug.	11	1936		2607
			Blust Supply Canal...	Supple.	†2000AF	7	32	51						
				A-1603										
				A-1603										
Cuff Canyon.....	Sanders, Warren.....	Chadron.....	Sanders Canal.....	Irrig.	.07	5	31	49	Dawes.....	Nov.	2	1932		2290
Dead Horse Cr.	Whitsel, John. W.....	Chadron.....	Kemery Canal.....	Irrig.	.01	32	32	49	Dawes.....	Sept.	1	1890	493	.....
Dead Horse Cr.	Woodruff, F. B. and E. F.....	Chadron.....	Flag Butte Canal.....	Irrig.	.03	32	32	49	Dawes.....	Apr.	10	1891	427	.....

*Application pending.
 †Represents reservoir capacity alleged by applicant.
 "R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-D—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Dead Horse Cr.	Geiser, B. A.....	Chadron.....	Geiser Canal.....	Irrig.	.16	17	32	49	Dawes.....	Mar.	18	1902	.....	658
Dead Horse Cr.	White, Chas. M., et al	Chadron.....	Slattery Canal.....	Irrig.	1.29	32	33	49	Dawes.....	Apr.	6	1904	.....	749
Dead Horse Cr.	White, C. M.....	Chadron.....	Slattery Canal Ext....	Irrig.	.55	32	33	49	Dawes.....	June	15	1928	.....	2021
Dead Horse Cr., Springs, trib- utary to	Goff, Waldo K., Est.	Chadron.....	Goff Canal.....	Irrig.	.14	30	32	49	Dawes.....	Apr.	2	1891	441	.....
Dead Man Cr..	City of Crawford.....	Crawford.....	Dead Man Canal.....	Dom.	1.00	26	31	53	Sioux.....	Dec.	15	1938	.....	2899
Deep Creek.....	Holberg, Elmer	Crawford.....	Deep Creek Canal.....	Irrig.	.06	9	30	53	Sioux.....	May	1	1887	525	.....
Deep Creek.....	Holberg, Elmer	Crawford.....	Holberg Supply Canal	Fish	†1.50AF	4	30	53	Sioux.....	July	19	1933	.....	2334
Deep Creek.....	Holberg, Elmer	Crawford.....	Deep Creek Canal.....	Irrig.	.22	9	30	53	Sioux.....	July	19	1933	.....	2335
Dry Canyon.....	Betson, Wm. A.....	Crawford.....	Betson Canal.....	Irrig.	1.00	33	32	51	Dawes.....	Mar.	22	1917	.....	1481
Dry Creek..... (See White River)	Whitney Irrig. Dist....	Crawford.....	Pilister Reservoir.....	Supple.	†360AF	15	33	51	Dawes.....	Aug.	11	1936	.....	2608
			Stewart Reservoir.....	Supple.	† 700AF	15	33	51						
			Balwin Reservoir.....	Supple.	†340AF	15	33	51						
Dry Draw.....	Ernest, Geo. A.....	Chadron.....	Ernest Canal.....	Irrig.	3.71	22	35	49	Dawes.....	Feb.	20	1911	.....	1061
Dry Draw.....	Glaze, Wm. A.....	Crawford.....	Heath Reservoir.....	Irrig.	†200AF	12	32	53	Sioux.....	Feb.	7	1917	.....	1475
(Heath Res.).....	Heath, W. E.....	Crawford.....	Heath Canal.....	Irrig.		12	32	53	Sioux.....	Feb.	7	1917	.....	1612
Dry Run.....	Campbell, F. J.....	Chadron.....	Campbell Canal	Irrig.	1.00	35	34	49	Dawes.....	Nov.	9	1908	.....	919
Dry Run.....	Guse, Wm.....	Whitney.....	Guse Canal	Irrig.	1.76	35	34	52	Dawes.....	Jan.	13	1914	.....	1345
Dry Run.....	Harrison and Weston	Whitney.....	Harsh-Weston Canal....	Irrig.	3.00	31	34	51	Dawes.....	Mar.	11	1914	.....	1361
English Creek...	McDowell, Mrs. Effie..	Crawford.....	McDowell Storage System	Irrig.	.87	12	31	52	Dawes.....	Oct.	24	1904	.....	772

DEPARTMENT OF ROADS AND IRRIGATION

English Creek.....	McDowell, Mrs. Effie.....	Crawford.....	McDowell Res. No. 3 McDowell Res. No. 1	Fish Fish	+5AF †36AF	2 31 52 12 31 52	Dawes.....	Jan.	22 1929	.....	2064
Flood Waters.....	Lenehan, Delia	Crawford.....	Lenehan Reservoir	Irrig.	+640AF	25 34 52	Dawes.....	Apr.	16 1913	.....	1278
Flood Waters.....	Arner, Jesse B.....	Crawford.....	Arner Canal	Irrig.	.14	27 33 53	Sioux.....	May	6 1913	.....	1289
Hooker Creek.....	Bauersachs, Lena	Crawford.....	Bauersachs Canal.....	Irrig.	1.00	7 31 51	Dawes.....	Dec.	31 1889	492	.....
Hooker Creek.....	Scott and Steenburg.....	Aurora.....	Alcorn Canal.....	Irrig.	1.21	31 32 51	Dawes.....	Nov.	17 1905	.....	803
Hooker Creek.....	Souther, Mable G.....	Lincoln.....	Souther Lake	Irrig.	1.43	30 32 51	Dawes.....	Sept.	24 1908	.....	915
Indian Creek.....	Renfro, Oscar S.....	Chadron.....	Seegrist Canal	Irrig.	.03	3 31 50	Dawes.....	Nov.	1 1893	489	.....
Indian Creek.....	Renfro, Oscar S.....	Chadron.....	Seegrist Canal	Irrig.	.50	3 31 50	Dawes.....	Nov.	29 1919	.....	1569
Indian Creek.....	Norman, Harry	Whitney.....	Norman Canal	Irrig.	1.91	16 32 50	Dawes.....	Aug.	3 1921	.....	1614
Indian Creek.....	Norman, Harry	Whitney.....	Elmer Canal	Irrig.	.77	16 32 50	Dawes.....	Jan.	17 1923	.....	1704
Indian Creek.....	Renfro, Oscar S.....	Chadron.....	Renfro Reservoir	Irrig.	+60AF	3 31 50	Dawes.....	June	21 1926	.....	1822
(Renfro Res.).....	Renfro, Oscar S.....	Chadron.....	Seegrist Canal	Irrig.		3 31 50	Dawes.....	June	21 1926	.....	1823
Indian Creek.....	Norman, Elmer D.....	Whitney.....	Norman Canal	Irrig.	1.28	16 32 50	Dawes.....	Aug.	18 1927	.....	1952
Indian Creek.....	Norman, Harry	Whitney.....	Norman Supply Canal	Irrig.		28 32 50	Dawes.....	Aug.	22 1927	.....	1953
(See East Ash Creek)											
Indian Creek.....	Renfro, Oscar S.....	Chadron.....	Flood Canal	Irrig.	.10	34 32 50	Dawes.....	July	16 1931	.....	2216
Indian Creek, Tributary to	Honnold Brothers	Whitney.....	Honnold-Wilson Canal	Irrig.	.07	3 31 50	Dawes.....	May	25 1912	.....	1199
Larabee Creek.....	Sawyer, C. O.....	Rushville.....	Larabee Canal.....	Irrig.	1.12	6 34 44	Sheridan.....	Apr.	14 1931	.....	2197
Madden Cr. and North Creek	Flannigan O. R.....	Chadron.....	Dams	Irrig.	.57	31 35 48	Dawes.....	Oct.	17 1904	.....	771
Minnepazuta Cr.	Smoke, Wm. H.....	Chadron.....	Minnepazuta Res.....	Irrig.	.14	19 33 48	Dawes.....	July	21 1930	.....	2149
Patton Creek.....	Greenwood, Claude H.	White Clay.....	Greenwood Pump	Irrig.	1.07	32 35 44	Sheridan.....	Mar.	14 1938	.....	2845
Rush Creek.....	Braddock, H. T.....	Chadron.....	Braddock Canal	Irrig.	3.00	10 34 49	Dawes.....	May	4 1903	.....	706

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-D—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Sand Creek.....	Everson George and Arner, Frank E.	Crawford.....	Bendix Canal	Irrig.	.57	35	33	53	Sioux.....	Nov.	19	1895	.....	189
Sand Creek.....	Everson, George and Arner, Frank E.	Crawford.....	Bendix Canal Ext.....	Irrig.	.83	35	33	53	Sioux.....	May	27	1922	.....	1669
Saw Log, East.	Young, Chas. A.....	Crawford.....	Stepenson Canal	Irrig.	.33	25	31	52	Dawes.....	Mar.	5	1907	.....	852
Saw Log, East.	Baker, A. D.....	Crawford.....	Baker Canal	Irrig.	.04	5	30	51	Dawes.....	Jan.	3	1908	.....	884
Saw Log, East.	Van Treek, P. H.....	Crawford.....	Van Treek Canal.....	Irrig.	.37	5	30	51	Dawes.....	May	8	1911	.....	1098
Saw Log, Little (See White Clay Creek)	Stewart, H. E.....	Crawford.....	Little Saw Log Canal	Irrig.	.71	12	30	52	Dawes.....	Jan.	23	1907	.....	849
Saxson Draw.....	Dodd, Clara A.....	Crawford.....	Harris Reservoir	Irrig.	†7AF	32	33	52	Dawes.....	Sept.	29	1922	.....	1689
(Harris Res.).....	Dodd, Clara A.....	Crawford.....	Harris Res. Canal.....	Irrig.		32	33	52	Dawes.....	Sept.	29	1922	.....	1996
Sheridan Cr.....	Getchell, G. C.	Pine Ridge, S. D.	Getchell Canal.....	Irrig.	.07	27	34	45	Sheridan.....	Aug.	1	1894	418	.....
Soldier Creek.....	Rodgers, J. J.....	Crawford.....	Rodgers Canal.....	Irrig.	.14	5	31	53	Sioux.....	Apr.	30	1883	546	.....
Spring Branch (Tucker Cr.)..	Cutler, Jennie R.....	Harrison.....	Tucker Canal.....	Irrig.	.17	34	31	54	Sioux.....	June	1	1883	557	.....
Spring Creek.....	Swinbank, Sam, et al	Crawford.....	Mozeter Canal.....	Irrig.	1.14	13	32	52	Dawes.....	May	3	1888	1014	.....
Spring Creek.....	Pinney, B. G.....	Crawford.....	Squaw Creek Canal....	Irrig.	.40	13	32	52	Dawes.....	May	10	1894	466	.....
Spring Creek.....	Lawrence, Fay E.....	Crawford.....	Spring Creek Canal Canal No. 1	Irrig.	2.00	13	32	52	Dawes.....	Dec.	1	1894	473	.....
Spring Creek.....	Lawrence, Fay E.....	Crawford.....	Spring Creek Canal....	O. D.	D-473	7	32	51	Dawes.....	Dec.	1	1894	.....	2078
Spring Creek.....	Kusel William T.....	Chadron.....	Kusel Canal No. 2.....	Irrig.	.43	8	32	51	Dawes.....	May	19	1900	.....	560
Spring Creek.....	Forbes, J. D.....	Crawford.....	Forbes Canal No. 1....	Irrig.	.43	20	32	52	Dawes.....	Apr.	28	1902	.....	663
Spring Creek.....	Benthack, Peter L.....	Chadron.....	Benthack Canal.....	Irrig.	4.71	11	33	49	Dawes.....	Sept.	12	1924	.....	1749
Squaw Creek.....	Hall, LeRoy & Frank	Crawford.....	Cooper Canal	Irrig.	2.29	36	32	52	Dawes.....	May	8	1896	.....	333

Squaw Creek.....	McDowell, Mrs. Effie	Crawford.....	Squaw Creek Res.....	Irrig.	‡200AF	12	31	52	Dawes.....	Oct.	3	1911	.....	1132
(Squaw Creek Reservoir)	McDowell, Mrs. Effie	Crawford.....	Squaw Creek Canal.....	Irrig.		12	31	52	Dawes.....	Oct.	3	1911	.....	1631
Squaw Creek.....	McDowell, Mrs. Effie	Crawford.....	Reservoir No. 4.....	Fish	‡4AF	12	31	52	Dawes.....	Nov.	12	1931	.....	2249
Trunk Butte Cr.	Smock, M.	Whitney.....	Smock Canal.....	Irrig.	.07	26	32	50	Dawes.....	June	28	1895	465	.....
Trunk Butte Cr.	Chaulk, John J.....	Chadron.....	Chaulk Canal.....	Irrig.	3.00	25	33	50	Dawes.....	Mar.	13	1915	.....	1406
White Clay Cr.	Pine Ridge Agency...	Pine Ridge, S. D.	Pine Ridge Canal.....	Irrig.		35	45		Sheridan.....				419*	.....
White Clay Cr...	Townsend, Chas.	White Clay.....	Townsend Canal.....	Irrig.	.80	25	35	45	Sheridan.....	Jan.	21	1911	.....	1054
White Clay Cr...	North A. C.	Rushville.....	North Pump.....	Irrig.	.38	36	35	45	Sheridan.....	Mar.	26	1934	.....	2369
White Clay Cr...	Tandy, A. N.....	Crawford.....	McFarland Canal.....	Irrig.	1.64	35	32	52	Dawes.....	May	18	1891	960	.....
White Clay Cr... (See White River)	White River Irrig. Co.	Crawford.....	White River Canal.....	Irrig.	1.00	34	32	52	Dawes.....	Dec.	31	1894	477	.....
White Clay Cr...	Hall, LeRoy & Frank	Crawford.....	Cooper Canal.....	Irrig.	3.66	2	31	52	Dawes.....	June	22	1895	.....	42
White Clay Cr...	McDowell, Robt.	Crawford.....	Cooper Canal.....	Irrig.	.05	2	31	52	Dawes.....	June	22	1895	.....	42R
White Clay Cr...	Johnson, A. F.....	Crawford.....	Rinicker Canal.....	Irrig.	.57	11	31	52	Dawes.....	June	8	1901	.....	618
White Clay Cr...	Hutzel, John C.....	Crawford.....	Hutzel Canal.....	Irrig.	.57	13	31	52	Dawes.....	Apr.	30	1903	.....	704
White Clay Cr... (See Saw Log)	Stewart, H. E.....	Crawford.....	Little Saw Log Canal	Irrig.		12	30	52	Dawes.....	Jan.	23	1907	.....	849
White Clay Cr...	Johnson, A. F.....	Crawford.....	Handschugel Lake.....	Irrig.	‡150AF	11	31	52	Dawes.....	Dec.	17	1915	.....	1441
White Clay Cr...	McDowell, Edw. C...	Crawford.....	Cooper Supply Canal	Fish	‡30AF	2	31	52	Dawes.....	Jan.	22	1929	.....	2063
White River.....	Rabin, P. L.....	Crawford.....	Hall Mill.....	Power	24.83	34	32	52	Dawes.....	Sept.	10	1885	478a	.....
White River.....	City of Crawford.....	Crawford.....	Crawford Water System	Dom.	5.00	26	31	53	Sioux.....	Oct.	1	1890	1026	.....
White River.....	Pinney, B. G., et al...	Crawford.....	Harris-Cooper Canal..	Irrig.	13.14	26	32	52	Dawes.....	Mar.	9	1894	464a	.....
White River.....	Pinney, B. G., et al...	Crawford.....	Harris-Cooper Canal..	Irrig.	1.57	26	32	52	Dawes.....	June	15	1894	464b	.....
White River.....	Forbes, Wm. T.....	Crawford.....	Rasher Canal.....	Irrig.	1.14	19	32	51	Dawes.....	June	20	1894	467	.....
White River..... (See White Clay Creek)	White River Irrig. Co.	Crawford.....	White River Canal.....	Irrig.	8.71	34	32	52	Dawes.....	Dec.	31	1894	.....	477
White River.....	Hall Ditch Company..	Crawford.....	Hall Canal No. 2.....	Irrig.	12.60	34	32	52	Dawes.....	Jan.	10	1895	478c	.....

‡Represents reservoir capacity alleged by applicant.
"R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-D—Concluded.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						County			Mo.	Day	Yr.			
						S	T	R						
White River.....	C. B. & Q. R. R. Co.....	Lincoln.....	C.B.& Q. Line at Crawford	Dom.	.80	3	31	52	Dawes.....	Sept.	14	1889	1030	.....
White River.....	Bartlett A. M.....	Chadron.....	Jones Canal.....	Irrig.	.71	18	34	48	Dawes.....	May	21	1897	.....	391
White River.....	Forbes, Jeanette, et al	Crawford.....	Rasher Canal.....	Irrig.	.50	19	32	51	Dawes.....	May	23	1898	.....	456
White River.....	Forbes, Wm. T.....	Crawford.....	Rasher Canal.....	Irrig.	1.43	19	32	51	Dawes.....	Jan.	16	1900	.....	534
White River.....	Schwabe, August.....	Chadron.....	Schwabe Power Canal	Power	5.00	24	34	49	Dawes.....	June	13	1904	.....	759
White River.....	Schwabe, August.....	Chadron.....	Schwabe Canal.....	Irrig.	.26	24	34	49	Dawes.....	Mar.	19	1906	.....	815
White River.....	Schwabe, August.....	Chadron.....	Schwabe Canal.....	Irrig.	3.43	31	34	48	Dawes.....	July	23	1908	.....	908
White River.....	White River Irrig. Co.	Crawford.....	White River Canal South Branch	Irrig.	1.43	25	32	52	Dawes.....	Mar.	11	1909	.....	936
White River.....	Pinney and Denslow	Crawford.....	Harris-Cooper Supply Canal	Irrig.	†50 AF	26	32	52	Dawes.....	Aug.	10	1911	.....	1122
(Pinney Denslow Res.)	Pinney, Ralph B.....	Crawford.....	Pinney Reservoir Canal No. 2	Irrig.		17	32	51	Dawes.....	Aug.	10	1911	.....	2493
White River.....	Forbes, Wm. T.....	Crawford.....	Rasher-Forbes Canal	Irrig.	.50	19	32	51	Dawes.....	Sept.	26	1911	.....	1128
White River.....	Whitney Irrig. Dist..	Whitney.....	Whitney Res. Canal..	Irrig.	†10,000 AF	26	32	52	Dawes.....	Apr.	28	1921	.....	1603
(Whitney Res.)..	Whitney Irrig. Dist..	Whitney.....	Whitney Pipe Line.....	Supple.	A-1625	4	32	51	Dawes.....	Apr.	28	1921	.....	1787
						34	33	51						
						35	33	51						
White River.....	Norman, Wm.	Crawford.....	Whitney Pipe Line.....	Irrig.	3.60	24	32	52	Dawes.....	May	2	1921	.....	1604
White River.....	Whitney Irrig. Dist..	Whitney.....	Whitney Pipe Line.....	Irrig.	25.00	26	32	52	Dawes.....	Nov.	7	1921	.....	1625
(See A-1787)														
White River.....	Simons, Raner.....	Crawford.....	Whitney Pipe Line.....	Irrig.	2.07	26	32	52	Dawes.....	Nov.	18	1921	.....	1626
White River.....	Norman, Wm.	Crawford.....	Whitney Pipe Line.....	Irrig.	.41	26	32	52	Dawes.....	Apr.	26	1922	.....	1660
White River.....	Northwest Financial Service	Chadron.....	Hageman Canal.....	Irrig.	1.14	26	33	50	Dawes.....	Oct.	18	1928	.....	2046
White River.....	City of Crawford.....	Crawford.....	Crawford Park Pump	Irrig.	.57	3	31	52	Dawes.....	Mar.	12	1929	.....	2075

White River.....	Bartlett, Alfred F.....	Chadron.....	Barlett Canal.....	Irrig.	.30	19	34	48	Dawes.....	Sept.	8	1932	.....	2285
White River.....	Mobley, A. L.....	Crawford.....	Mobley Pump.....	Irrig.	.05	3	31	52	Dawes.....	May	10	1934	.....	2381
White River.....	Whitney, Irrig. Dist..	Crawford.....	Stewart-Balwin Res..	Supple.	A-1603	26	32	52	Dawes.....	Aug.	11	1936	.....	2609
(See Dry Cr.)														
White River.....	Village of Whitney...	Whitney.....	Whitney Water Supply	Dom.	2.00	1	32	51	Dawes.....	Aug.	28	1936	.....	2627
White River.....	Kenneey, Howard, Trustee	Omaha.....	Kennedy-Miller Pump	Irrig.	1.31	26	34	49	Dawes.....	Nov.	24	1939	.....	3030
White River.....	Neill, B. E.....	Chadron.....	Neill Pump.....	Irrig.	.64	30	33	49	Dawes.....	Dec.	7	1939	.....	3038
White River.....	Schuhmacher, T. A....	Chadron.....	Schuhmacher Cistern	Dom.	†.16	A	F	19	Dawes.....	Apr.	2	1940	.....	3129

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-E

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Antelope Creek..	Gayhart, M. J.....	Montrose.....	Gayhart Canal.....	Irrig.	2.43	16	34	55	Sioux.....	June	18	1904	.....	760
Antelope Creek..	Jordan, Allen	Montrose.....	Jordan Reservoir.....	Irrig.		9	34	55	Sioux.....	Aug.	23	1940	.....	3239*
Antelope Creek, North Branch	Story, Amy E., et al..	Story.....	Story Canal.....	Irrig.	2.00	8	34	56	Sioux.....	Nov.	11	1895	.....	168
Antelope Creek, North Branch	Story, Amy E., et al..	Story.....	Story Canal.....	Irrig.	5.71	9	34	56	Sioux.....	Mar.	26	1918	.....	1509
Antelope Creek, North Branch	Schnurr, Albert	Harrison.....	Grammercy Dam.....	Irrig.	3.71	13	34	57	Sioux.....	Sept.	24	1920	.....	1591
Antelope Creek, South Branch (See A-1676)	Turner, Sarah A. Estate	Harrison.....	Turner Canal.....	Irrig.	1.14	26	34	57	Sioux.....	Oct.	31	1894	537	.....
Antelope Creek, South Branch	Seaman, Samuel R....	Harrison.....	Ellis Canal.....	Irrig.	.29	9	33	57	Sioux.....	May	17	1896	.....	338
Antelope Creek, South Branch (Turner Res.)	Turner, Sarah A., Estate	Harrison.....	Turner Reservoir.....	Irrig.	†250AF	26	34	57	Sioux.....	July	3	1922	.....	1675
(Turner Res.)	Turner, Sarah A., Estate	Harrison.....	Turner Res. Canal.....	Supple.	D-537	26	34	57	Sioux.....	July	3	1922	.....	1676
(Turner Res.)	Turner, Sarah A., Estate	Harrison.....	Turner Res. Canal.....	Irrig.		26	34	57	Sioux.....	July	3	1922	.....	1677
Boggy Creek.....	Holly, Thos.	Crawford.....	Holly Canal.....	Irrig.	.11	30	33	54	Sioux.....	Dec.	31	1888	956	.....
Boggy Creek.....	Smith, J. W.....	Harrison.....	Smith Canal.....	Irrig.	.29	31	33	54	Sioux.....	May	1	1892	526	.....
Boggy Creek.....	Wickersham-Read- inger Cattle Co.	Harrison.....	Wickersham Canal.....	Irrig.	3.00	31	33	54	Sioux.....	Feb.	28	1903	.....	701
Boggy Creek.....	Wickersham-Read- inger Cattle Co.	Harrison.....	Wickersham Supply Canal	Irrig.	†250AF	31	33	54	Sioux.....	Dec.	24	1930	.....	2182
(Wickersham Reservoir)	Wickersham-Read- inger Cattle Co.	Harrison.....	Wickersham Reser- voir Canal	Irrig.		30	33	54	Sioux.....	Dec.	24	1930	.....	2203
Boggy Creek.....	Wickersham-Read- inger Cattle Co.	Harrison.....	Wickersham Canal.....	Irrig.	.96	31	33	54	Sioux.....	May	15	1931	.....	2204

DEPARTMENT OF ROADS AND IRRIGATION

Boggy Creek, Middle Branch	Bannon, J. F.	Harrison	Bannon Canal	Irrig.	.06	7	32	54	Sioux	July	1	1886	560	.....
Boggy Creek, Middle Branch	Marten, Wm.	Harrison	Marten Canal	Irrig.	.36	18	32	54	Sioux	May	19	1896	.....	342
Boggy Creek, West Branch	Hill, Albert F.	Harrison	Hill Canal	Irrig.	.86	11	32	55	Sioux	Jan.	20	1908	.....	886
Canyons	Konrath, James	Harrison	Konrath Canal	Irrig.	1.43	17	34	54	Sioux	Dec.	28	1905	.....	808
Cedar Creek (See Prairie Dog Creek)	Parsons, Con.	Harrison	Schilt Cedar Creek Canal	Irrig.	.57	35	33	56	Sioux	May	15	1885	507	.....
Cedar Creek	Grote Wm.	Harrison	Valdez Canal	Irrig.	.50	10	32	56	Sioux	Apr.	5	1886	976	.....
Cherry Creek	Ruffing M.	Harrison	Cherry Creek Canal	Irrig.	.03	29	33	54	Sioux	May	1	1893	549	.....
Dry Draw	Jordan, Richard	Harrison	Wooden Shoe Res.	Irrig.	†75AF	22	33	56	Sioux	Aug.	24	1914	.....	1377
Dry Gulch	Child, L. M.	Story	Child Canal	Irrig.	.57	28	34	56	Sioux	Aug.	14	1914	.....	1376
Geike Creek	Geike, August	Harrison	Geike Canal	Irrig.	.43	19	33	56	Sioux	Nov.	4	1927	.....	1967
Hat Creek	Thayer, Millard A. Estate	Harrison	West Hat Creek Canal	Irrig.	.43	16	32	55	Sioux	June	1	1880	553a	.....
Hat Creek	Coffee, Charles F.	Harrison	Coffee Canal	Irrig.	4.29	26	33	55	Sioux	Sept.	1	1881	512	.....
Hat Creek	Thayer, Millard A., Estate	Harrison	West Hat Creek Canal	Irrig.	.57	16	32	55	Sioux	May	31	1886	553b	.....
Hat Creek	Coffee, J. T., et al.	Harrison	Miller Canal	Irrig.	.37	23	33	55	Sioux	May	19	1896	.....	341
Hat Creek	Lyon, E. B.	Harrison	Antrim Canal	Irrig.	.57	3	32	55	Sioux	Dec.	24	1900	.....	594
Hat Creek	Lyon, E. B.	Harrison	Antrim Canal	Irrig.	.57	3	32	55	Sioux	Aug.	20	1906	.....	834
Hat Creek	Coffee, John T.	Harrison	Coffee and Son Flood Canal	Irrig.	6.00	14	33	55	Sioux	Oct.	22	1912	.....	1236
Hat Creek	Zerbe, Harry T.	Harrison	Zerbe Reservoir	Irrig.	†25AF	35	33	55	Sioux	Mar.	25	1915	.....	1407
Hat Creek, Ravine, Trib- utary to	Wasserburger, Jacob.	Montrose	Wasserburger Res.	Irrig.	†45AF	29	31	54	Sioux	May	6	1940	.....	3149

*Application pending.
†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-E—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Hat Creek, Ravine, Tributary to	Zerbe, Frank	Harrison	Zerbe Reservoir	Irrig.	†22AF	4	32	55	Sioux	July	6	1940	.....	3196
Indian Creek, Ravine, trib. to	Meier, Minnie	Ardmore, S.	Meier Reservoir	Irrig.		29	35	54	Sioux	Aug.	30	1940	.....	3246*
Jim Creek	Dout, Clarence H.	Harrison	Dout Brothers Canal	Irrig.	.86	7	33	56	Sioux	May	15	1889	981	.....
Jim Creek	Slattery Land and Cattle Company	Harrison	Woodruff South Canal	Irrig.	.36	14	33	57	Sioux	May	1	1890	536	.....
Jim Creek	Snyder, Thos. A.	Harrison	Jim Creek Canal	Irrig.	.43	8	33	56	Sioux	Dec.	15	1890	502	.....
Jim Creek	Slattery Land and Cattle Company	Harrison	Slattery Canal	Irrig.	.29	13	33	57	Sioux	May	31	1891	543	.....
Jim Creek	Slattery Land and Cattle Company	Harrison	Caladonia Reservoir	Irrig.	†42AF	13	33	57	Sioux	July	20	1922	.....	1680
(Caladonia Reservoir)	Slattery Land and Cattle Company	Harrison	Caladonia Canal	Irrig.		13	33	57	Sioux	July	20	1922	.....	1681
(Caladonia Reservoir)	Slattery Land and Cattle Company	Harrison	Caladonia Canal	Irrig. Supple.	D-543	13	33	57	Sioux	July	20	1922	.....	1683
Jim Creek	Slattery Land and Cattle Company	Harrison	High Line Canal	Irrig.	.34	13	33	57	Sioux	July	20	1922	.....	1682
Jim Creek	Dout, C. H.	Harrison	Doris Canal	Irrig.		8	33	56	Sioux	Aug.	20	1940	.....	3236*
Jim Creek and North Jim Cr. (Dout Res. 1)	Dout, Clarence	Harrison	Dout Reservoir No.1	Irrig.	†30AF	7	33	56	Sioux	Apr.	2	1928	.....	1999
Jim Creek (Dout Res. 2)	Dout, Clarence	Harrison	Dout Canal No. 1	Irrig.		7	33	56	Sioux	Apr.	2	1928	.....	2000
Jim Cr. East	Dout, Clarence	Harrison	Dout Reservoir No.2	Irrig.	†3AF	7	33	56	Sioux	Apr.	2	1928	.....	2001
Jim Cr. East	Dout, Clarence	Harrison	Dout Canal No.2	Irrig.		7	33	56	Sioux	Apr.	2	1928	.....	2002
Jim Cr. East	Wasserburger, J.	Montrose	Wasserburger Canal	Irrig.	2.29	29	34	54	Sioux	Oct.	13	1900	.....	581
Jordan Draw	Jordan, Dan	Harrison	Dan Jordan Res.	Irrig.	†50AF	32	33	55	Sioux	Feb.	20	1929	.....	2071

(Dan Jordan Reservoir)	Jordan, Dan	Harrison	Dan Jordan Canal	Irrig.	32	33	55	Sioux	Feb.	20	1929	2072		
Lickett Creek	Coffee, S. B.	Chadron	Lickett Canal	Irrig.	27	33	54	Sioux			1005*			
Lickett Creek	Coffee, S. B.	Chadron	Lickett Canal	Irrig.	1.43	27	33	54	Sioux	Mar.	21	1900	549	
Little Red Cr.	Plunkett, Thomas	Harrison	Zerbst Canal	Irrig.	14	25	33	56	Sioux	May	1	1893	551	
Little Red Cr.	Grimm, Wm. O.	Harrison	Zerbst Canal	Irrig.	.90	34	33	56	Sioux	Apr.	3	1928	2003	
Long Branch	Turnbull, S. C.	Ardmore	O'Connell Canal	Irrig.	.20	22	35	54	Sioux	Nov.	10	1900	587	
Long Branch	Ebert, L. J.	Ardmore	Ebert Canal	Irrig.	.14	19	35	53	Sioux	Aug.	22	1901	635	
Monroe Creek	Parsons, Con	Harrison	Big Monroe Canal	Irrig.	1.43	33	33	56	Sioux	May	1	1888	506	
Monroe Creek	Parsons, Con	Harrison	Schilt-Monroe Canal	Irrig.	.50	27	33	56	Sioux	July	2	1888	509	
Monroe Creek	Noreisch, W. M.	Harrison	Noreisch Canal	Irrig.	.04	33	33	56	Sioux	July	19	1895	83	
Monroe Creek	Jordan, Cornelious	Harrison	Cornelious Jordan Canal	Irrig.	2.20	13	33	56	Sioux	Nov.	12	1906	841	
Monroe Creek (See A-1399)	Jordan, Cornelious	Harrison	Cornelious Jordan Reservoir	Irrig.	†271A	F	13	33	56	Sioux	Nov.	12	1906	841
(C. Jordan Reservoir) (See A-1469)	Jordan, Cornelious	Harrison	Cornelious Jordan Canal	Supple.	A-841	13	33	56	Sioux	Nov.	12	1906	841	
Monroe Creek	Jordan, Cornelious	Harrison	Kite Canal	Irrig.	2.00	13	33	56	Sioux	July	30	1914	1375	
Monroe Creek	Jordan, Cornelious	Harrison	Cornelious Jordan Reservoir Enlargement	Irrig.	†400A	F	13	33	56	Sioux	Jan.	14	1915	1399
(C. Jordan Reservoir)	Jordan, Cornelious	Harrison	Cornelious Jordan Canal	Supple.	A-841	13	33	56	Sioux	Jan.	14	1915	1469	
(C. Jordan Reservoir)	Jordan, Cornelious	Harrison	Kite Canal	Supple.	A-1375	13	33	56	Sioux	Jan.	14	1915	1470	
Monroe Creek	Wasserburger, Harry A. and Martin L.	Harrison	Richard Jordan Canal	Irrig.	1.67	22	33	56	Sioux	Sept.	19	1928	2032	
Monroe Creek	Keel, Birdie V.	Harrison	Keel Canal	Irrig.	.02	5	32	56	Sioux	Aug.	20	1931	2228	
Monroe Creek	Federle, Max	Harrison	Monroe Reservoir	Fish	†3A	F	8	32	56	Sioux	Jan.	16	1933	2297
Monroe Creek	Parsons, Con	Harrison	Big Monroe Canal	Irrig.	2.10	33	33	56	Sioux	Apr.	16	1934	2372	

*Application pending or claim not adjudicated.
†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-E—Continued.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Prairie Dog Cr. (See Cedar Creek)	Parsons, Con.....	Harrison.....	Schilt Prairie Dog Canal	Irrig.	1.14	35	33	56	Sioux.....	May	31	1886	508	.....
Prairie Dog Cr. (Plunkett Res.)	Plunkett, Thos.	Harrison.....	Plunkett Reservoir.....	Irrig.	†110AF	25	33	56	Sioux.....	Sept.	18	1928	.....	2031
	Plunkett, Thos.	Harrison.....	Plunkett Canal.....	Irrig.		25	33	56	Sioux.....	Sept.	18	1928	.....	2070
Sow Belly Cr. (See A-2484)	Schaefer, Nick J.....	Harrison.....	Old Sow Belly Canal	Irrig.	3.00	7	32	55	Sioux.....	June	1	1887	533	.....
Sow Belly Cr.....	Zerbe, Frank	Harrison.....	Montgomery Canal.....	Irrig.	1.00	21	33	55	Sioux.....	Dec.	1	1890	559	.....
Sow Belly Cr.....	Jordan, Sarah, Estate	Harrison.....	Jordan Canal.....	Irrig.	.43	21	33	55	Sioux.....	June	1	1895	556	.....
Sow Belly Cr.....	Jordan, Sarah, Estate	Harrison.....	Jordan Canal.....	Irrig.	.50	21	33	55	Sioux.....	May	11	1896	.....	424
Sow Belly Cr.....	Nutto, F.	Harrison.....	Nutto Canal.....	Irrig.	.43	24	32	56	Sioux.....	Sept.	4	1897	.....	404
Sow Belly Cr.....	Carroll, M. J.....	Harrison.....	Carroll Canal.....	Irrig.	.14	7	32	55	Sioux.....	July	12	1899	.....	516
Sow Belly Cr.....	Zimmerman, Irvin S.	Harrison.....	Zimmerman Canal.....	Irrig.	.57	34	33	55	Sioux.....	Jan.	11	1900	.....	532
Sow Belly Cr.....	Jordan, S.	Harrison.....	Jordan Canal.....	Irrig.	.14	21	33	55	Sioux.....	May	26	1902	.....	668
Sow Belly Cr.....	Barnes, Paul T.....	Harrison.....	Barnes Reservoir.....	Irrig.	†50AF	19	32	55	Sioux.....	Mar.	24	1913	.....	1268
Sow Belly Cr.....	O'Connell, M. J.....	Montrose.....	O'Connell Canal.....	Irrig.	10.00	9	33	55	Sioux.....	May	5	1913	.....	1288
Sow Belly Cr.....	Schaefer, N. J.....	Harrison.....	Old Sow Belly Supply Canal	Irrig.	†150AF	7	32	55	Sioux.....	Feb.	27	1933	.....	2306
			New Sow Belly Supply Canal	Irrig.	†150AF	8	32	55	Sioux.....	Feb.	27	1933	.....	2306R
(Res. 1 A-2306)...	Schaefer, N. J.....	Harrison.....	Schaefer Canal No.1..	Supple.	D-533	5	32	55	Sioux.....	Feb.	27	1933	.....	2484
(Res. 2 A-2306)...	Schaefer, N. J.....	Harrison.....	Schaefer Canal No.2..	Supple.	D-533	5	32	55	Sioux.....	Feb.	27	1933	.....	2484
Sow Belly Cr.....	Andrews, Agnes	Harrison.....	Andrews Supply Canal	Irrig.	†24AF	5	32	55	Sioux.....	Mar.	26	1935	.....	2530
(Res. A-2530)....	Andrews, Agnes	Harrison.....	Andrews Canal.....	Irrig.		5	32	55	Sioux.....	Mar.	26	1935	.....	2558
Spring Creek.....	Hall, W. S. & F. M..	Harrison.....	Hall Spring Canal.....	Irrig.	.57	6	32	55	Sioux.....	Mar.	26	1889	550	.....
Spring Creek.....	Schaefer N. J.....	Harrison.....	Spring Creek Canal..	Irrig.	.29	7	32	55	Sioux.....	June	1	1893	532	.....
Spring Creek.....	Hall, F. M.....	Harrison.....	Crystal Lake Supply Canal	Irrig.	†40AF	6	32	55	Sioux.....	Aug	22	1927	.....	1954

(Res. A-1954).....	Hall, F. M.....	Harrison.....	Crystal Lake Supply Canal	Irrig.	6	32	55	Sioux.....	Aug.	22	1927	.....	2286	
Spring Creek.....	Schaefer Cattle Co.....	Harrison.....	Spring Creek Res.....	Irrig.	†66AF	12	32	56	Sioux.....	Oct.	13	1939	.....	2985
Stream, No Name	Coffee, S. B.....	Harrison.....	Homestead Canal.....	Irrig.	.22	22	33	54	Sioux.....	May	31	1890	984	.....
Stream, No Name	Hunter, H. C.....	Orella.....	Hunter Canal.....	Irrig.	.03	26	33	54	Sioux.....	May	12	1898	.....	451
Squaw Creek.....	Seaman, Samuel R.....	Harrison.....	Dunn Canal.....	Irrig.	.36	15	33	57	Sioux.....	June	1	1890	552	.....
Squaw Creek.....	Thomas, S. M.....	Harrison.....	Hamlin Canal.....	Irrig.	.01	10	33	57	Sioux.....	Apr.	1	1891	555	.....
Squaw Creek.....	Shepherd Cattle Co.....	Harrison.....	Dunn Reservoir Canal	Irrig.	.57	10	33	57	Sioux.....	Aug.	5	1895	.....	100
Squaw Creek.....	Shepherd Cattle Co.....	Harrison.....	Dunn Canal.....	Irrig.	.19	3	33	57	Sioux.....	Jan.	22	1897	.....	376
Squaw Creek.....	Thomas, S. M.....	Harrison.....	Thomas Canal.....	Irrig.	.50	10	33	57	Sioux.....	July	23	1901	.....	627
Squaw Creek.....	Shepherd Cattle Co.....	Harrison.....	Shepherd Canal.....	Irrig.	3.16	36	34	57	Sioux.....	Oct.	24	1927	.....	1965
Squaw Cr. So.....	Shepherd Cattle Co.....	Harrison.....	Shepherd Reservoir.....	Supple. A-1965	†80AF	2	33	57	Sioux.....	Jan.	29	1931	.....	2189
Valdez Creek.....	Grote, William and Emma	Harrison.....	Grote Reservoir.....	Irrig.		3	32	56	Sioux.....	June	4	1940	.....	3172*
Warbonnet Cr.....	Anderson, John A.....	Harrison.....	Warbonnet Canal.....	Irrig.	3.63	21	33	56	Sioux.....	July	31	1880	548	.....
Warbonnet Cr.....	Slattery Land and Cattle Company	Harrison.....	Nolan Canal No. 1.....	Irrig.	.01	23	33	57	Sioux.....	Mar.	15	1887	957	.....
Warbonnet Cr.....	Slattery Land and Cattle Company	Harrison.....	Nolan Canal No. 2.....	Irrig.	.29	23	33	57	Sioux.....	May	1	1888	959	.....
Warbonnet Cr.....	Anderson, John A.....	Harrison.....	Dout Canal.....	Irrig.	.29	30	33	56	Sioux.....	Dec.	31	1891	539b	.....
Warbonnet Cr.....	Anderson, John A.....	Harrison.....	Warbonnet Canal No. 2	Irrig.	1.50	20	33	56	Sioux.....	Mar.	11	1908	.....	892
Warbonnet Cr.....	Slattery Land and Cattle Company	Harrison.....	Zerbst Canal No. 2.....	Irrig.	.17	25	33	57	Sioux.....	Mar.	6	1915	.....	1404
Warbonnet Cr.....	O'Connell, Mike.....	Montrose.....	O'Connell Canal.....	Irrig.	.35	17	33	55	Sioux.....	June	20	1932	.....	2274
Warbonnet Cr. Branch of.....	Slattery Land and Cattle Company	Harrison.....	Zerbst Canal No. 1.....	Irrig.	.03	26	33	57	Sioux.....	Mar.	6	1915	.....	1405
Warbonnet Cr. North Branch	Anderson, John A.....	Harrison.....	Kay Canal.....	Irrig.	.14	26	33	57	Sioux.....	May	1	1887	958	.....

*Application pending.

†Represents reservoir capacity alleged by applicant.

"R" Denotes relocation. One third of the appropriation will be diverted at the new location.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-E—Concluded.

Source	Appropriator	Post Office	Carrier	Use to which applied	Provis- ional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Warbonnet Cr. North Branch	Anderson, John A.....	Harrison.....	Dout Canal.....	Irrig.	.71	30	33	56	Sioux.....	May	31	1889	539a	.....
Warbonnet Cr. Spring Branch Tributary to..	Biehle, Chas.	Harrison.....	Biehle Canal.....	Irrig.	.23	32	33	56	Sioux.....	Apr.	1	1891	538	.....
Warbonnet Cr. Spring Branch Tributary to..	Anderson, John A.....	Harrison.....	Garton Canal.....	Irrig.	1.43	31	33	56	Sioux.....	Oct.	16	1893	503	.....
White Head Cr. Spring Branch Tributary to...	Richardson, Margaret	Orella.....	Harrison Canal.....	Irrig.	.06	13	33	54	Sioux.....	May	30	1888	547	.....

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-F

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Bazille Creek.....	Jirous, Frank, Estate	Creighton.....	Creighton Mill Race..	Power	30.00	21	29	5	Knox.....	Sept.	24	1908	1002*	914
Bazille Creek.....	Moss, O. H. and Buckler, Fred	Battle Creek	Creighton Mills.....	Power					Knox.....					
Bazille Creek.....	Benedict, Guy	Creighton.....	Benedict Water Wheel	Irrig.	.13	28	29	5	Knox.....	Apr.	17	1931		2198
Bazille Creek.....	McGill, Wm. R.....	Center.....	McGill Pump.....	Irrig.	1.03	27	31	5	Knox.....	Oct.	1	1931		2242
Bazille Creek.....	Dalton, Chas. S.....	Niobrara.....	Dalton Pump.....	Irrig.	.96	10	31	5	Knox.....	Aug.	17	1936		2616
Bazille Creek.....	Huigens & Norwood..	Creighton.....	Norwood-Huigens Pump	Irrig.	.15	21	29	5	Knox.....	Feb.	5	1937		2693
Bazille Creek.....	Lutt, Elmer F.....	Niobrara.....	Lutt Pump.....	Irrig.	.31	22	31	5	Knox.....	Oct.	13	1939		2984
Bazille Creek, Little	York, Elmer	Center.....	York Pump.....	Irrig.	.09	14	30	5	Knox.....	Sept.	7	1938		2882
Bow Creek.....	Jones, A. W.....	Wynot.....	Bow Valley Mills.....	Power	52.00	11	32	2E	Cedar.....	Spg.		1869	1050	
Bow Creek.....	Jones, A. W.....	Wynot.....	Arc Lodge Pump.....	Irrig.	1.00	11	32	2E	Cedar.....	Dec.	19	1936		2673
Decatur Springs	Village of Decatur...	Decatur.....	Decatur Pipe Line.....	Dom.	2.00	10	23	10E	Burt	May	2	1940		3147
Elk Creek..... (Jackson Chute)	Crystal Lake Co.....	South Sioux City	Crystal Lake Dam....	Ice.	15.00	28	29	8E	Dakota.....	Apr.	12	1923		1714
Elm Creek.....	Eagleton, Geo. B.....	Decatur.....	Eagleton Pump.....	Irrig.		2	23	10E	Burt.....	Aug.	9	1940		3228*
Norwegian Bow Creek	Arens, F. H.....	Hartington...	Arens Pump.....	Irrig.	.34	20	31	1E	Cedar.....	June	17	1938		2877
Papillion Creek, West	Borman, Herman	Papillion.....	Borman-Peters Pump	Irrig.	.82	17	14	12E	Sarpy.....	July	24	1936		2594

*Application pending or claim not adjudicated.

DEPARTMENT OF ROADS AND IRRIGATION

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-F—Concluded

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Papillion, Big, North Fork	Krska, J. C.	So. Omaha	Krska Pump	Irrig.	1.53	19	14	13E	Sarpy	Nov.	10	1936	2657
Papillion, Big, North Fork	Schaefer, Andy	Omaha	Schaefer Pump	Irrig.	.24	16	11E	Douglas	Sept.	11	1940	3262	
Perrin Creek	Bartels, Lester	Laurel	Bartels Pump	Irrig.	.66	30	29	3E	Cedar	May	3	1937	2738
Spring Creek	Stochl, Chas. H.	Creighton	Stochl Pump	Irrig.	.03	21	29	5	Knox	Oct.	25	1935	2564
Springs	Nye, Ellen	Plainview	Nye Reservoir	Irrig.	†15A	26	28	5	Antelope	Aug.	31	1936	2631
Springs and Underground Water	Village of Crofton	Crofton	Crofton Municipal Project	Dom.	.25	26	32	2	Knox	Oct.	29	1930	2169

†Represents reservoir capacity alleged by applicant.

RECORD OF OPTIONAL DIVERSIONS, DIVISION 1-A

Original Source	Original Appropriation Number	Original Diversion	Optional Source	Optional Appropriation Number	Optional Diversion	Optional Diversion Carrier	Date of Filing
		S-T-R			S-T-R		
Blue Creek.....	D-800	SW¼ SW¼ 28-17-42	North Platte R.....	A-1742	N½ SE¼ 4-16-44	Overland-Midland Canal	Mar. 31, 1924
North Platte R.....	D-635	NE¼ SE¼ 13-14-34	Lincoln County Drain- age District No. 1, Ditch No. 2	A-2459	NW¼ NE¼ 30-14-31	Reimers Pump.....	Aug. 13, 1934
North Platte R.....	D-635	NE¼ SE¼ 13-14-34	Lincoln County Drain- age District No. 1, Ditch No. 1	A-2694	SW¼ NE¼ 30-14-31	Frame Pump.....	Feb. 6, 1937
North Platte R.....	D-635	NE¼ SE¼ 13-14-34	Lincoln County Drain- age District No. 1, Ditch No. 1	P-211*	NW¼ SW¼ 29-14-32	Brownfield Pump.....	July 12, 1958
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Alliance Feeder Drain	P-189*	NW¼ SE¼ 18-22-53	Tri-State Canal.....	Mar. 11, 1935
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Dry Spotted Tail Creek	A-1241	SW¼ NW¼ 16-23-56	Roberts (Hrasky) Canal	Nov. 6, 1912
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Dry Spotted Tail Feeder	P-183*	SW¼ SW¼ 4-23-56	Tri-State Canal.....	Mar. 11, 1935
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Dry Spotted Tail Creek	P-195	SW¼ NW¼ 16-23-56	Kellum Pump.....	Mar. 24, 1937
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Tri-State Canal.....	A-1769	SE¼ SW¼ 12-23-57	Warner Canal.....	July 10, 1925
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Hoth Draw.....	A-1473	N½ 28-21-52	O'Holloran Pump.....	Jan. 26, 1917
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Sheep Creek.....	A-1176	NE¼ NE¼ 17-23-57	Sheep Creek Lateral	Feb. 26, 1912
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Sheep Creek.....	A-1398	NE¼ NE¼ 17-23-57	Sheep Creek Lateral	Jan. 12, 1915
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Sheep Creek.....	P-191*	NE¼ SW¼ 8-23-57	Tri-State Canal.....	Mar. 11, 1935
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Tub Springs Feeder.....	P-192*	SE¼ SW¼ 27-23-55	Tri-State Canal.....	Mar. 11, 1935
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Wet Spotted Tail Creek	A-449	SW¼ SW¼ 10-23-56	Stewart Canal.....	May 2, 1898
North Platte R.....	D-918	SW¼ SE¼ 3-23-58	Wet Spotted Tail Creek	P-190*	NW¼ SW¼ 10-23-56	Tri-State Canal.....	Mar. 11, 1935
North Platte R.....	D-919	NW¼ SE¼ 32-22-54	Taylor Drain	A-2502	SW¼ NW¼ 3-21-53	Oberlies Canal.....	Dec. 21, 1934
North Platte R.....	D-952	NW¼ SE¼ 17-22-55	Winters Creek	A-1446	SW¼ NE¼ 19-22-54	Winters Creek Canal	Feb. 9, 1916
North Platte R.....	D-920	NW¼ NW¼ 27-23-57	Nelson or Akers Draw	A-1290	..... 13-23-57	Nelson Draw Canal	May 21, 1913
North Platte R.....	D-920	NW¼ NW¼ 27-23-57	Toohy Drain.....	A-2413	W½ SW¼ 20-23-56	Fanning Pump.....	June 25, 1934
North Platte R.....	D-920	NW¼ NW¼ 27-23-57	Winters Creek.....	A-2409	NE¼ SE¼ 8-22-54	Enterprise Canal.....	June 18, 1934

*Petition pending.

RECORD OF OPTIONAL DIVERSIONS, DIVISION 1-A—Concluded

Original Source	Original Appropriation Number	Original Diversion		Optional Source	Optional Appropriation Number	Optional Diversion		Optional Diversion Carrier	Date of Filing
		S-T-R				S-T-R			
North Platte R.....	D-828	SE¼ SW¼	18-20-51	Atkins Drain.....	A-1450	SW¼ SW¼	15-19-40	Atkins Canal.....	Mar. 27, 1916
North Platte R.....	D-828	SE¼ SW¼	18-20-51	Cedar Creek.....	A-1397	SW¼ SW¼	23-18-48	Cedar Creek Feeder	Jan. 7, 1915
North Platte R.....	D-858	SE¼ SW¼	18-20-51	Anderson Seep	A-2248	NW¼ SE¼	26-20-51	Gordon Canal.....	Nov. 7, 1941
North Platte R.....	D-874	NW¼ SW¼	5-20-52	Bayad Sugar Factory Drain	A-1776	SE¼ NE¼	5-20-52	Alliance Canal.....	Aug. 13, 1925
North Platte R.....	D-874	NW¼ SW¼	5-20-52	Red Willow Creek.....	A-1429	NW¼ SW¼	6-20-51	Alliance Canal.....	Aug. 5, 1915
North Platte R.....	D-925	NE¼ SW¼	18-21-53	Nine Mile Draw.....	A-1431	NW¼ SW¼	10-21-53	Nine Mile Canal.....	Aug. 19, 1915
North Platte R.....	D-662	NE¼ SE¼	12-14-33	Lincoln County Drain- age District No. 1, Ditch No. 1	A-2638	NW¼ SW¼	26-14-31	Evans Pump.....	Sept. 14, 1936
North Platte R.....	D-662	NE¼ SE¼	12-14-33	Lincoln County Drain- age District No. 1, Ditch No. 2	A-2648	W½ NW¼	29-14-31	Suburban Canal.....	Oct. 22, 1936
North Platte R.....	D-662	NE¼ SE¼	12-14-33	Lincoln County Drain- age District No. 1, Ditch No. 2	P-198	N¼	26-14-31	Evans Pump.....	May 15, 1937
North Platte R.....	D-662	NE¼ SE¼	12-14-33	Lincoln County Drain- age District No. 1, Ditch No. 1	P-213	SW¼ NW¼	25-14-32	Suburban Canal.....	Oct. 15, 1938
North Platte R.....	A-418	SW¼ SW¼	16-20-51	Camp Clark Seep and Red Willow Creek	A-2088	NW¼ SW¼	6-20-51	Alliance Canal.....	June 22, 1929
North Platte R.....	A-418	SW¼ SW¼	16-20-51	Degraw Drain.....	P-226	NW¼ SE¼	14-20-51	Mitchell Pump.....	Apr. 23, 1940
North Platte R.....	A-1181	NW¼ SW¼	5-20-52	Red Willow Creek.....	A-1432	SE¼ SE¼	12-20-51	Dobson Canal.....	Sept. 10, 1915
North Platte R.....	A-2054	NW¼ NW¼	36-22-55	North Platte R.....	A-2150	NW¼ SE¼	26-22-55	Great Western Sugar Canal (Gering Factory)	July 24, 1930
North Platte R.....	A-2054	NW¼ NW¼	36-22-55	Winters Creek Drain..	P-216	NW¼ NE¼	31-22-54	Gering Factory Pump	May 26, 1939
Platte River.....	D-1023	SW¼	1- 8-18	Kearney Tail Race.....	A-1744	N½ NW¼	11- 8-16	Peaker Pump.....	May 8, 1924
Platte River.....	D-621	NW¼ NW¼	18-10-23	Dawson County Drain- age District No. 1	P-201	NW¼ SE¼	1- 9-22	Murray Pump.....	June 2, 1937
Platte River.....	D-622	N½ NW¼	18-10-23	Buffalo Creek	A-1495	NW¼ SE¼	22-10-21	Savins Pump.....	Aug. 17, 1917
Platte River.....	D-622	N½ NW¼	18-10-23	Buffalo Creek	A-1648	NW¼ NW¼	21-10-21	Doughty Pump.....	Mar. 24, 1922

Platte River.....	D-622	N ½ NW ¼	18-10-23	Buffalo Creek	A-1868	W ½	33-10-20	Hodgson Pump.....	Oct. 28, 1926
Platte River.....	D-624	N ½ NW ¼	18-10-23	Dawson County Drain- age District No. 1	A-2129	NW ¼	14- 9-21	Orthman (Rosen- berg) Pump	Mar. 15, 1930
Platte River.....	D-624	N ½ NW ¼	18-10-23	Ground Water.....	A-2281	SW ¼ NW ¼	20- 9-20	Beatty Well.....	Aug. 29, 1932
Platte River.....	D-624	N ½ NW ¼	18-10-23	Ground Water.....	A-2513	SW ¼ SE ¼	19- 9-20	Beatty Well.....	Feb. 15, 1935
Platte River.....	D-624	N ½ NW ¼	18-10-23	Strever Creek.....	A-2049	NW ¼ NW ¼	35- 9-20	Jurgenson Pump....	Oct. 19, 1928
Platte River.....	D-645b	NW ¼ NE ¼	29-12-26	Pedens Lake.....	A-1860	SE ¼ SE ¼	12-11-23	Excell Canal.....	Sept. 16, 1926
Platte River.....	D-627	NW ¼ SW ¼	9-10-24	Ground Water.....	P-204*	NW ¼ SE ¼	33-10-23	Neil Well.....	Feb. 18, 1938
Platte River.....	A-2039	N ½ NW ¼	18-10-23	Strever Creek.....	A-2101	SW ¼ SE ¼	27- 9-20	Wengler Pump.....	Aug. 27, 1929
Platte River.....	A-2145	N ½ NW ¼	18-10-23	Dawson County Drain- age District No. 1	P-197	SW ¼ SW ¼	11- 9-21	Sheldon Pump.....	May 7, 1937
Strever Creek.....	A-2083	SE ¼ SW ¼	18- 9-20	Dawson County Drain- age District No. 1	A-2777*	SE ¼ SW ¼	18- 9-20	Beatty Pump.....	Aug. 24, 1937
White Tail Creek....	A-662b	SE ¼ NE ¼	26-15-38	Paxton Creek.....	P-185	SE ¼ SE ¼	31-15-37	Coyner Canal.....	Feb. 28, 1935

RECORD OF OPTIONAL DIVERSIONS, DIVISION 1-B

Original Source	Original Appropriation Number	Original Diversion	Optional Source	Optional Appropriation Number	Optional Diversion	Optional Diversion Carrier	Date of Filing		
		S-T-R			S-T-R				
Frenchman River....	D-10	NE ¼ NW ¼	11- 3-32	Canyon No. 10.....	A-1523	SW ¼ NE ¼	17- 3-31	Wacker Canal.....	Sept. 4, 1918
Frenchman River....	D-10	NE ¼ NW ¼	11- 3-32	Canyon No. 10.....	A-1573	SW ¼ NE ¼	17- 3-31	Crews Canal.....	Jan. 21, 1920

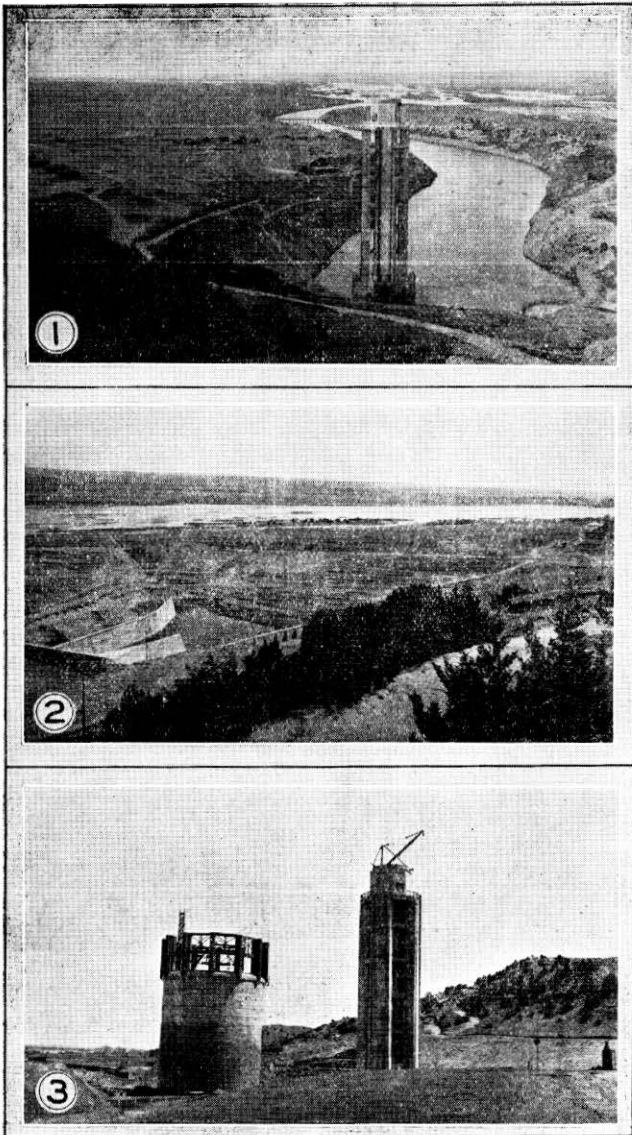
RECORD OF OPTIONAL DIVERSIONS, DIVISION 2-D

Original Source	Original Appropriation Number	Original Diversion	Optional Source	Optional Appropriation Number	Optional Diversion	Optional Diversion Carrier	Date of Filing		
		S-T-R			S-T-R				
Spring Creek.....	D-473	NE ¼	13-32-52	Spring Creek	A-2078	SW ¼ SW ¼	7-32-51	Lawrence Pump.....	Apr. 19, 1929

*Petition pending.

PERMITS ISSUED TO RELOCATE WATER DIVERSIONS SEPTEMBER 30, 1938 to SEPTEMBER 30, 1940

Appropriation Number which has Carrying Right	Stream	Petitioner	Post. Office	Old Location			Old Carrier	New Location			New Carrier	Amt.	Appropriation Number which Covers the Land		
					S	T		R		S				T	R
DIVISION 1-A															
D-645a.....	Platte River.....	Gothenburg Light & Power Co.	Gothenburg.....	NW ¼ NW ¼	29	12	26	Gothenburg Canal	SW ¼ SW ¼	19	12	26	Gothenburg Canal	200.00	D-645a
D-645b.....	Platte River.....	Gothenburg Light & Power Co.	Gothenburg.....	NW ¼ NW ¼	29	12	26	Gothenburg Canal	SW ¼ SW ¼	19	12	26	Gothenburg Canal	240.00	D-645b
A-2355.....	Platte River.....	The Central Nebraska Public Power & Irrig. District	Hastings.....	SW ¼	2	8	21	The Central Nebraska Supply Canal	SE ¼ NW ¼	2	8	21	The Central Nebraska Supply Canal		A-2355
DIVISION 1-B															
A-2025.....	Center Creek.....	Blank & Joy.....	Franklin.....	NW ¼ NE ¼	1	1	15	Joy-Blank Canal	NE ¼ NW ¼	1	1	15	Joy-Blank Canal	2.82	A-2025
DIVISION 2-A															
A-2797.....	Loup R., Mid.....	Rankin, Mary I	Thedford.....	NW ¼ SW ¼	4	21	23	Rankin Canal.	NW ¼ NW ¼	23	21	22	McMillan Canal	6.97	A-2477
A-2797.....	Loup R., Mid.....	McMillan, J. M.	Thedford.....	NW ¼ SE ¼	15	21	22	McMillan Canal	NW ¼ NW ¼	23	21	22	McMillan Canal	8.21	A-2797
A-2678.....	Loup R., Mid.....	Middle Loup Public Power & Irrig. Dist.	Arcadia.....	SE ¼ SW ¼	36	20	20	Proposed Canal No. 2	SW ¼ SE ¼	36	18	17	Constructed Canal No. 4	.18	A-2678
A-2678.....	Loup R., Mid.....	Middle Loup Public Power & Irrig. Dist.	Arcadia.....	SE ¼ SW ¼	36	20	20	Proposed Canal No. 2	SW ¼ SE ¼	10	19	18	Constructed Canal No. 2	7.93	A-2678
A-2312.....	Loup R., No.....	Cole, W. B.....	Taylor.....	NW ¼ NE ¼	20	21	18	Cole Pump.....	S ¼ NE ¼	13	21	19	Taylor-Ord Canal	1.31	A-2417
DIVISION 2-C															
A-2282.....	Bear Creek.....	Bowring, Arthur	Merriman.....	SW ¼ NW ¼	15	34	37	Bar Ninety-Nine Project	SE ¼ NE ¼	16	34	37	Bar Ninety-Nine Project	.37	A-2282
DIVISION 2-D															
A-8.....	Cottonwood Little	Golden, T. F., Estate	Crawford.....	SW ¼ SW ¼	17	32	52	Stuart Bros. South Canal	NE ¼ NE ¼	18	32	52	Stuart Bros. South Canal	1.43	A-8



Views of Kingsley Dam—No. 1, control tower. No. 2, outlet of control tunnel and Morning Glory overflow tunnel. No. 3, control tower and Morning Glory overflow.

CLAIMS AND APPLICATIONS CANCELED FROM SEPTEMBER 30, 1938 TO SEPTEMBER 30, 1940

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Cancellation			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Beaver Creek.....	Loup River Public Power District	Columbus.....	Beaver Creek Res.....	Power	+10,000AF	14	17	4	Nance.....	Jan.	4	1939	.....	2303
Beaver Creek.....	Stretter, S. W.....	Petersburg.....	Stretter Pump.....	Irrig.		32	22	7	Boone.....	Feb.	9	1939	.....	2866
Beaver Creek.....	Williams, F. D.....	Albion.....	Williams Pump.....	Irrig.		26	20	6	Boone.....	Aug.	7	1939	.....	2885
Beaver Creek.....	Ohlson, C. L.....	Petersburg.....	Ohlson Pump.....	Irrig.		3	21	7	Boone.....	May	15	1939	.....	2890
Beaver Creek.....	McComb, W. G.....	Wilsonville.....	McComb Pump.....	Irrig.		4	21	7	Furnas.....	Nov.	1	1939	.....	2905
Blue River, Big	Blevins, Susan M., et al	Shelby.....	Blevins Pump.....	Irrig.		2	13	1	Polk.....	May	23	1940	.....	3001
Blue River, Big West Fork	Artz, John.....	Dorchester.....	Artz Pump.....	Irrig.		3	8	3E	Saline.....	Feb.	20	1940	.....	2936
Bordeaux Creek Big	Nelson, Ernest E., et al	Chadron.....	Nelson Canal.....	Irrig.		14	33	48	Dawes.....	Feb.	20	1940	.....	2940
Cedar River.....	Frenzen, Clarence E. and Edward	Fullerton.....	Frenzen Pump.....	Irrig.		29	17	6	Nance.....	Dec.	8	1939	.....	2912
Clear Creek.....	Vansant and Scott.....	Ansley.....	Vansant-Scott Pump.....	Irrig.		33	17	6	Custer.....	Dec.	12	1938	.....	2844
Elkhorn River.....	Boldt, Mathilda.....	Stanton.....	Boldt Pump.....	Irrig.	.27	29	23	2E	Stanton.....	Dec.	16	1939	.....	2734
Elkhorn River, North Fork	Brown, Willard H.....	Norfolk.....	Brown Pump.....	Irrig.		36	24	1	Madison.....	Feb.	20	1940	.....	2937
Frenchman R.....	Gruver, Clyde L.....	Palisade.....	Frenchman Valley Canal	Irrig.	2.28	31	5	33	Hayes.....	Apr.	11	1939	38*	.....
Frenchman R.....	Handel, Raymond J.....	Palisade.....	Frenchman Valley Canal	Irrig.	2.28	31	5	33	Hayes.....	Mar.	18	1940	38*	.....
Frenchman R.....	Sims, Myrtle, et al.....	Wauneta.....	Fuller Canal.....	Irrig.	1.14	4	5	36	Chase.....	Apr.	11	1939	62*	.....
Looking Glass Creek	Loup River Public Power District	Columbus.....	Looking Glass Res.....	Power	+10,000AF	32	18	3	Platte.....	Jan.	4	1939	.....	2302

Lost Creek.....	Siefken, Henry.....	Columbus.....	Siefken Pump.....	Irrig.		17	17	1E	Platte.....	July	17	1940	.....	3060
Loup R. Middle.....	Lundy, Laura E.....	Lincoln.....	Lundy Lake Canal.....	Irrig.	28.30	4	19	19	Custer.....	Jan.	16	1940	.....	1300
Loup R. Middle.....	Lundy, Laura E.....	Lincoln.....	Lundy Pump.....	Irrig.	6.34	4	19	19	Custer.....	Jan.	16	1940	.....	1307
Loup R. Middle.....	Leui, Joseph.....	Comstock.....	Middle Loup Canal No. 1	Irrig.	.97	10	19	18	Custer.....				.....	2293*
Loup R. Middle.....	Game, Forestation & Parks Commission	Lincoln.....	Middle Loup Canal No. 4	Irrig.	.02	36	18	17	Custer.....	Jan.	19	1940	.....	2293*
Loup R. Middle.....	Middle Loup Public Power & Irrig. Dist.	Arcadia.....	Proposed Canal No. 2	Irrig.	68.87	36	20	20	Custer.....	May	21	1940	.....	2678°
Loup R., North.....	Walker, Glenn.....	Burwell.....	Walker Pump.....	Irrig.	.71	33	21	17	Loup.....	Feb.	21	1939	.....	2490
Medicine Creek.....	McCowin, W. H.....	Maywood.....	McCowin Pump.....	Irrig.		5	8	29	Frontier.....	June	24	1940	.....	2988
Mitchell Creek.....	Tridle, Ralph D.....	Freedom.....	Tridle Pump.....	Irrig.		35	6	26	Frontier.....	June	26	1940	.....	2736
Monroe Creek.....	Loup River Public Power District	Columbus.....	Monroe Reservoir.....	Power	†2000AF	31	18	2	Platte.....	Jan.	4	1939	.....	2305
Monroe Creek.....	Loup River Public Power District	Columbus.....	Monroe Creek Plant....	Power	5.00	36	18	3	Platte.....	Jan.	4	1939	.....	2325
Mud (Beaver) Creek	Reichenbach, Marie H.	Omaha.....	Reichenbach Pump.....	Irrig.		36	18	3	Custer.....	July	17	1940	.....	3041
Oak Creek.....	Hatt, Hans N.....	Dannebrog.....	Hatt Canal.....	Irrig.		2	13	11	Howard.....	Oct.	1	1938	.....	2842
Oak Creek.....	Dugan, S. C.....	Valparaiso.....	Dugan Reservoir.....	Irrig.		27	13	5E	Saunders.....	Apr.	10	1939	.....	2881
Red Willow Cr.....	Kelley, Charles W.....	McCook.....	Kelley Canal.....	Irrig.		13	5	31	Hayes.....	July	3	1939	.....	2896
Republican R.....	Hevner, Clyde W., Estate	Franklin.....	Hevner Pump.....	Irrig.	4.66	6	1	14	Franklin.....	Feb.	9	1940	.....	2224
Republican R.....	Randel, Elmer C.	McCook.....	Randel Pump.....	Irrig.		33	3	29	Red Willow..	Nov.	10	1938	.....	2849
Republican R.....	et al													
Sappa Creek.....	Reisher, Noah G.....	Benkelman.....	Reisher Pump.....	Irrig.		30	1	38	Dundy.....	July	17	1940	.....	3067
	Blickenstaff, Elizabeth	Holdrege.....	Blickenstaff Pump.....	Irrig.		21	2	20	Harlan.....	May	6	1940	.....	2967
Shell Creek.....	Cyphers, F. B.....	Duncan.....	Cyphers Pump.....	Irrig.		14	19	3	Platte.....	May	23	1940	.....	2996
Spring.....	Alexander, G. E.....	Naper.....	Alexander Dam.....	Resort		8	34	16	Boyd.....	Aug.	11	1939	.....	2902

*Denotes part of appropriation canceled.

†Represents reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS CANCELED FROM SEPTEMBER 30, 1938 TO SEPTEMBER 30, 1940—Concluded

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or dam			Date of Cancellation			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Turkey Creek.....	Pettett, J. R.....	Elm Creek...	Pettett Pump.....	Irrig.		21	9	18	Buffalo.....	Dec.	16	1938	.....	2825
Union Creek.....	Luxa, Longin.....	Stanton.....	Longin Pump.....	Irrig.		1	22	1E	Stanton.....	Feb.	9	1939	.....	2854
Valdez Creek.....	Grote, William and Emma	Harrison.....	Grote Reservoir.....	Irrig.		3	32	56	Sioux.....	May	10	1940	.....	2980
Wahoo Creek.....	Lanik, Joe L.....	Wahoo.....	Lanik Pump.....	Irrig.		7	14	7E	Saunders.....	Feb.	20	1940	.....	2933
White River.....	Schwabe, August.....	Chadron.....	Schwabe Canal.....	Irrig.	.57	24	34	49	Dawes.....	Jan.	20	1940	.....	758
Wood River.....	Conklin, Grace L.....	Lincoln.....	Conklin Power Plant.....	Power	10.00	5	11	8	Merrick.....	May	4	1940	.....	2717
Wood River.....	Conklin, Grace L.....	Lincoln.....	Conklin Pump.....	Irrig.	2.09	5	11	8	Merrick.....	May	4	1940	.....	2718

APPLICATIONS DISMISSED FROM SEPTEMBER 30, 1938 TO SEPTEMBER 30, 1940

Source	Appropriator	Post Office	Carrier	Use to which applied	Provis- ional Grant in Sec.-ft.	Location of Diversion or dam			Date of Dismissal		Doc. No.	App. No.		
						S	T	R	County	Mo.			D	Yr
Republican R.....	Williams Joe F.....	Stratton.....	Williams Ditch.....	Irrig.		19	2	34	Hitchcock.....	Sept.	30	1940	.....	2545
North Platte R. (Sutherland Reservoir)	Peterson, P. R.....	Lexington.....	Dawson County Canal	Supple. D-622 et al		18	10	23	Dawson.....	Jan.	1	1939	.....	2666
Waste Water from Taylor- Ord Canal	City of Ord.....	Ord.....	Bussell Park Lake...	Resort		16	19	14	Valley.....	May	21	1940	.....	2886
Surface Run-off	Bell, Earl.....	Riverton.....	Bell Canal.....	Irrig.		11	1	14	Franklin.....	May	17	1939	.....	2913

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 86, LAWS OF 1933, AMENDED 1937 and 1939
POWER AND IRRIGATION DISTRICTS

Name of District	Headquarters	Municipalities Constituting District	Proposed Area in Acres to be Reclaimed	Proposed Capacity of Reservoir in Acre-feet
Almeria Public Power and Irrigation District	Almeria.....	Stroh! Voting Precinct in Loup County.....	3,603	
Beaver-Sappa Public Power and Irrigation District	Stamford.....	Emerson, Eldorado, Orleans, Fairfield and Sappa Voting Precincts in Harlan County; Richmond, Maple Creek, Weaver, Eureka, Lincoln and Beaver City Voting Precincts in Furnas County	49,000	No. 1—40,000 No. 2—40,000
Benkelman-Haigler-Arickaree Public Irrigation District	Haigler.....	Haigler, Parks, Benkelman, Indian and Max Voting Precincts in Dundy County; Stratton, Union and Pleasant View Voting Precincts in Hitchcock County	38,700	No. 1—45,000 No. 2— 1,500 No. 3—40,000
Blue Creek Public Power and Irrigation District	Lewellen.....	Lonergan and Belmar Voting Precincts in Keith County; Blue Creek, Lost Creek and Lisco Voting Precincts in Garden County; Eastwood Voting Precinct in Morrill County	30,000	35,000
The Central Nebraska Public Power and Irrigation District	Hastings.....	Adams, Phelps, Gosper and Kearney Counties	164,117	2,000,000
Cedar Valley Public Power and Irrigation District	Cedar Rapids..	Cedar, Spalding and Leo Valley Voting Precincts in Greeley County; Dublin North Cedar, and South Cedar Voting Precincts in Boone County; and Timber Creek, Cedar, Council Creek and Fullerton Voting Precincts, and City of Fullerton in Nance County.	30,800	20,000
Dawson County Public Pump Irrigation District	Lexington.....	Dawson County.....	24,000	

Dismal Public Power and Irrigation District	Anselmo.....	Dunning Voting Precinct in Blaine County; Natick Voting Precinct in Thomas County; Hayes, Cliff, Kilfoil and Victoria Voting Precincts in Custer County	30,000	
Hall County Public Pump Irrigation District	Wood River....	Doniphan, South Platte, Jackson, Alda, Wood River, Cameron, Harrison, Center, Washington, exclusive of City of Grand Island, Martin and Lake Voting Precincts in Hall County	30,000	
Imperial Valley Public Power and Irrigation District	Palisade.....	Village of Imperial, Pioneer and Fisher Voting Precincts in Chase County; Palisade, Beverly, Pleasant Hill, Riverside, Culbertson and Blackwood Voting Precincts in Hitchcock County; Perry, Willow Grove, Valley Grange and Driftwood Voting Precincts in Red Willow County	23,544	12,600
Loup River Public Power District	Columbus.....	Platte County.....		11,000 Regulating Reservoir
McCook Public Power District	McCook.....	City of McCook in Red Willow County.....		
Merrick County Public Pump District	Central City....	Merrick County.....	16,000	
Middle Loup Public Power and Irrigation District	Arcadia.....	Sargent, Comstock, Douglas Grove, Myrtle and Spring Creek Voting Precincts in Custer County; Geranium, Liberty, Arcadia, and Yale Voting Precincts in Valley County; Washington, West Logan, Webster, West Loup City, East Loup City, Clay, Austin, and Rockville Voting Precincts in Sherman County	49,635	
Mirage Flats Public Power and Irrigation District	Hay Springs....	Craig Voting Precinct in Dawes County; Mirage and Running Water Voting Precincts in Sheridan County	20,000	No. 1—15,000 No. 2— 1,500 No. 3— 1,500
North Loup River Public Power and Irrigation District	Ord.....	Rockford and Burwell Village Voting Precincts in Garfield County; Taylor and Kent Voting Precincts in Loup County; Elyria, Ord Township, Ord City and North Loup Voting Precincts in Valley County	33,320	

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 86, LAWS OF 1933, AMENDED 1937 and 1939
POWER AND IRRIGATION DISTRICTS—Concluded

Name of District	Headquarters	Municipalities Constituting District	Proposed Area in Acres to be reclaimed	Proposed Capacity of Reservoir in Acre-feet
Panhandle Public Pump Irrigation District	Alliance.....	Boyd, Lake, Box Butte, Wright, Runnig Water, Nonpariel, Dorsey, Snake Creek, Liberty and Lawn Voting Precincts, exclusive of City of Alliance in Box Butte County; Leonard Voting Precinct in Dawes County	10,000	
Platte Valley Public Power and Irrigation District	North Platte...	Keith, Lincoln, Dawson, Buffalo and Hall Counties	208,077	200,000
The Republican River Public Power and Irrigation District	Superior.....	Turkey Creek, Farmers, Oak Grove, Bloomington, Franklin, Marion and Grant Voting Precincts in Franklin, County; Inavale, Walnut Creek, Red Cloud, Line, Pleasant Hill, Garfield and Guide Rock Voting Precincts in Webster County; Bostwick, Beaver, Garfield and Hardy voting Precincts in Nuckolls County	35,500	40,000
Sargent Public Irrigation District	Sargent.....	Sargent Voting Precinct No. 1 including City of Sargent; Sargent Voting Precinct No. 2; West Union Voting Precinct; and Milburn Voting Precinct, all in Custer County	35,605	9,000
South Platte Public Power and Irrigation District	Ogallala.....	West Ogallala and East Ogallala Voting Precincts in Keith County	23,000	55,000
United Public Power and Irrigation District	Cambridge.....	Grant and Garfield Voting Precincts in Frontier County; North Valley, East Valley, Indianola, Red Willow and Fritch voting Precincts in Red Willow County; Cambridge, Burton Ben, Arapahoe, Edison, Logan, Weaver, New Era and Oxford voting Precincts in Furnas County	13,000	34,000
White Tail Public Power and Irrigation District	Keystone.....	White Tail Voting Precinct in Keith County.....	7,000	21,000

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 86, LAWS OF 1933, AMENDED 1937 and 1939
RURAL ELECTRIFICATION DISTRICTS

DEPARTMENT OF ROADS AND IRRIGATION

143

Name of District	Headquarters	Municipalities Constituting District
Boone-Nance County Rural Public Power District.....	St. Edward.....	Boone and Nance Counties
Buffalo County Public Power District.....	Kearney.....	Buffalo County, exclusive of City of Ravenna and City of Kearney
Burt County Rural Public Power District.....	Tekamah.....	Burt County
Butler County Rural Public Power District.....	David City.....	Butler County
Cedar-Knox County Rural Public Power District.....	Hartington.....	Cedar County; Hill, Herrick, Frankfort, Eastern, Dolphin, Dowling, Lincoln and Columbia Voting Precincts in Knox County
Chimney Rock Public Power District.....	Bayard.....	Morrill County; Dewey, Field, Tabor, Highland and Castle Rock Voting Precincts in Scotts Bluff County
Clay County Rural Public Power District.....	Clay Center.....	Clay County
Consumers Public Power District.....	Columbus.....	City of Columbus in Platte County
Cuming County Rural Public Power District.....	West Point.....	Cuming County, exclusive of City of Wisner and City of West Point
Dawson County Public Power District.....	Lexington.....	Dawson County
Eastern Nebraska Public Power District.....	Syracuse.....	Richardson, Pawnee, Nemaha, Johnson, Cass, Otoe, Sarpy and Saunders Counties; Mill and Stevens Creek Voting Precincts in Lancaster County
Gering Valley Rural Public Power District.....	Gering.....	Roubadeaux and Gering Voting Precincts, exclusive of City of Gering, in Scotts Bluff County
Hall County Rural Public Power District.....	Wood River.....	Lake, Prairie Creek, Mayfield, South Loup, Cameron, Harrison, Center, Washington, exclusive of City of Grand Island, Alda, Wood River, Jackson, Martin, South Platte, and Doniphan Voting Precincts in Hall County
Hamilton County Rural Public Power District.....	Aurora.....	Hamilton County
Howard County Rural Public Power District.....	St. Paul.....	Howard County
Lancaster County Rural Public Power District.....	Walton.....	Lancaster County, exclusive of City of Lincoln

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 86, LAWS OF 1933, AMENDED 1937 and 1939
RURAL ELECTRIFICATION DISTRICTS—Concluded

Name of District	Headquarters	Municipalities Constituting District
Madison County Rural Public Power District.....	Battle Creek.....	Norfolk Voting Precinct (Outside City of Norfolk), Valley, North Deer Creek, South Deer Creek, Meadow Grove, Jefferson, Grove, Highland, Battle Creek, Warnerville, Enola, Union, Fairview, Schoolcraft, Emerick, Shell Creek, Kalamazoo, Green Garden, and Madison (Outside City of Madison) Voting Precincts, in Madison County
Merrick County Rural Public Power District.....	Central City.....	Merrick County, exclusive of City of Central City
Norris Rural Public Power District.....	Fairbury.....	Jefferson and Saline Counties
Northeast Nebraska Rural Public Power District.....	Emerson.....	All of Dixon County; Emerson, Pigeon, Summit, St. Johns, Hubbard and Omadi Voting Precincts in Dakota County; Perry, Flourney, Thayer and Pender Voting Precincts in Thurston County
Platte County Rural Electrification District (Subdivision of Loup River Public Power Dist.)	Columbus.....	Platte County
Polk County Rural Public Power District.....	Stromsburg.....	Polk County
Roosevelt Rural Public Power District.....	Mitchell.....	Ford, Fanning, Klowa, Mitchell and Funston Voting Precincts in Scotts Bluff County; Spotted Tail, Townsend and Roosevelt Voting Precincts in Sioux County
Seward County Rural Public Power District.....	Seward.....	Seward County
Southeastern Nebraska Public Power District.....	Beatrice.....	Gage County
Southern Nebraska Rural Public Power District.....	Minden.....	County of Phelps; County of Kearney; and the following voting precincts located within the County of Adams, namely, West Blue, Highland, Zero, Vernoia, Kenesaw, Wanda, Juniata, Denver, Blaine, Hanover, Ayr, Roseland, Cottonwood, Logan, Silver Lake, and Little Blue, said voting precincts constituting all of the territory of said County of Adams with the exception of the voting precincts which constitute, and are located within the corporate limits of, the City of Hastings.
Stanton County Rural Public Power District.....	Stanton.....	Stanton County
Thayer County Rural Public Power District.....	Hebron.....	Thayer County

Wayne County Rural Public Power District.....	Wayne.....	Hoskins, Garfield, Sherman, Hancock, Chapin, Deer Creek, Brenna, Strahan, Wilbur, Plum Creek, Hunter, Leslie, Logan, Winside Voting Precincts, said voting Precincts constituting all of the territory of the County of Wayne with the exception of the voting precincts which constitute, and are located within the corporate limits of, the City of Wayne.
York County Rural Public Power District.....	York.....	Arborville, Morton, Thayer, Stewart, Bradshaw, Lockridge, New York Voting Precinct omitting any territory which is within the corporate limits of the City of York, Waco, Brown, Baker Voting Precinct omitting any territory which is within the corporate limits of the City of York, Leroy Voting Precinct omitting any territory which is within the corporate limits of the City of York, Beaver, Henderson (A), Henderson (B), Hayes, McFadden and West Blue Voting Precincts, all within York County

DRAINAGE DISTRICTS

Below is a complete list of drainage districts of record in this Bureau:

County	Name of District	Date of Approval of Plans
Buffalo	John Swenson Drainage Ditch	Nov. 5, 1929
Burt-Thurston	Lyons Drainage Ditch	.....
Burt-Washington	Burt-Washington County Drainage Dist.No. 1	Aug. 2, 1915
Burt-Washington	Burt-Washington County Drainage Dist.No. 2	Feb. 19, 1925
Burt-Washington	Peterson Bend Protection District	Sept. 2, 1921 (Retards)
Butler	Yanike Drainage District	.....
Butler	Drainage District No. 1	Aug. 5, 1918
Butler	Drainage District No. 2	July 26, 1917
Cedar	Laurel Drainage District	Dec. 15, 1925
Cherry	Horseshoe Lake Drainage District	Aug. 8, 1916
Cherry	Gay Lake Drainage District	Sept. 1, 1922
Cherry	Boardman Drainage District	June 23, 1923
Cherry	Coffey Lake Drainage District	Dec. 16, 1924
Cherry	Mile Board Drainage District	Sept. 30, 1925
Colfax	Platte Valley Drainage District	Dec. 28, 1920
Dakota	Drainage District No. 2	April 18, 1914
Dakota	Homer Drainage District	Jan. 10, 1919
Dakota	Dakota City Drainage District	April 3, 1922
Dakota	Omadi Drainage District	Dec. 13, 1924
Dakota	Drainage District No. 5	July 10, 1930
Dawson	Drainage District No. 1	July 5, 1929
Dawson	Drainage District No. 2	June 7, 1930
Dawson	Drainage District No. 3	May 1, 1931
Dixon-Wayne- Thurston	Wakefield Drainage District	Jan. 18, 1917
Dixon-Cedar	Brookey Bottom Drainage District	Sept. 11, 1922 (Retards)
Dixon-Cedar	North and South Logan Drainage District	Feb. 17, 1925
Dodge-Washington	Elkhorn River Drainage District (Cut-Off "H")	.....
Douglas	Little Papillion Drainage District	Mar. 2, 1920
Douglas	East Omaha Drainage District	Oct. 8, 1921
Douglas	Elkhorn Valley Drainage District (Safford Ditch)	Jan. 9, 1926
Douglas	Papio Drainage District No. 2	June 5, 1926
Douglas-Sarpy	Elkhorn Valley Drainage District	June 24, 1919
Douglas-Sarpy	Elkhorn Valley Drainage District (Elkhorn River Cut-Off and Extension of Main Ditch No. 3)	Nov. 8, 1922
Douglas-Sarpy	Elkhorn Valley Drainage District	May 26, 1923 (Retards)
Fillmore	Drainage District	.....
Franklin	Republican River Drainage District	.....
Frontier	Drainage District No. 1	Mar. 31, 1915
Furnas	Republican River Control	July 22, 1931

DRAINAGE DISTRICTS—Concluded

County	Name of District	Date of Approval of Plans
Garden	Garden County Improvement and Drainage District No. 1. (Oshkosh Drainage District)	June 28, 1932
Knox	Frankfort Bottom Drainage District	Mar. 3, 1923 (Retards)
Lancaster	Salt Creek Drainage District, Lancaster Drainage District No. 1	.....
Lincoln	Drainage District No. 1	Mar. 23, 1922
Lincoln	Drainage District No. 2	Dec. 4, 1929
Madison	Norfolk Drainage District	Mar. 18, 1924
Merrick	Drainage District No. 1	Feb. 17, 1916
Merrick	Drainage District No. 2	May 10, 1921
Morrill	Minatare Drainage District	.....
Nemaha	Drainage District No. 3	July 6, 1916
Nemaha	Peru Drainage District No. 6	April 19, 1927
Nuckolls	Drainage District No. 1	.....
Otoe-Johnson	Drainage District No. 1	Oct. 31, 1914
Otoe-Johnson	Drainage District No. 1 (Spring Creek Cut-Off Ditch)	Sept. 15, 1932
Platte	Holdrege Drainage District	.....
Richardson	Drainage District No. 1	.....
Richardson	Drainage District No. 2	.....
Richardson	Drainage District No. 3	.....
Richardson	Drainage District No. 4	Dec. 24, 1921
Richardson	Drainage District No. 5	April 13, 1916
Richardson	Drainage District No. 6	May 8, 1920
Richardson	Barada Drainage District	Sept. 18, 1930
Sarpy	Western Sarpy Drainage District	June 6, 1921
Sarpy	Western Sarpy Drainage District (Extension of Hendrichs Ditch)	Nov. 15, 1917 Aug. 19, 1924
Sarpy	Bellevue Drainage District	Aug. 4, 1921
Sarpy	Chalco-Portal Drainage District	Mar. 15, 1922
Sarpy	South Buffalo Creek Drainage District	May 25, 1926
Sarpy	Rudersdorf Drainage District	Feb. 15, 1927
Sarpy	Zimmerman Drainage District	Mar. 16, 1929
Saunders	Clear Creek Drainage District (Johnson Creek Ditch No. 6)	Aug. 13, 1925
Saunders	Clear Creek Drainage District (Extension of Main and Branch Ditch)	July 3, 1930
Saunders	Leshara Drainage District	Sept. 18, 1930
Scotts Bluff	Scotts Bluff Drainage District	Feb. 28, 1918
Scotts Bluff	Scotts Bluff Drainage District No. 2	Feb. 2, 1932
Scotts Bluff	Gering Drainage District	June 2, 1920
Scotts Bluff	Morrill Drainage District	.....
Seward	Utica Drainage District	.....
Stanton	Humburg Drainage District	Mar. 15, 1921
Thurston	Pender Drainage District	Feb. 21, 1918
Thurston	Drainage District No. 2	Sept. 2, 1932
Washington	Papio Valley Drainage District	Mar. 8, 1926

DECISIONS RENDERED BY THE SUPREME COURT OF NEBRASKA**ENTERPRISE IRRIGATION DISTRICT V. WILLIS**

30438

Filed February 24, 1939.

1. An appropriator of the waters of a stream for irrigation purposes, who has had his appropriation property adjudicated under the laws of the state, secures a vested right which is entitled to all the protection of a property right.

2. An appropriation for irrigation purposes in this state, made prior to 1895, was not limited as to quantity save and except that it must be for some useful and beneficial purpose and within the limits of the capacity of the diversion works.

3. The right acquired by a valid appropriation being a vested property right, it cannot be diminished by subsequent legislation so long as it is used by the appropriator for some useful and beneficial purpose.

4. The duty of water is such a quantity of water necessary, when economically conducted and applied to the land without unnecessary loss, as will result in the successful growing of crops.

5. The duty of water is a complicated question of fact that depends largely upon the circumstances of each particular case.

6. In determining the quantity of water that can be put to a beneficial use of an appropriator, the policy of the law is to require, within reasonable limits, the greatest duty of water.

7. In determining the duty of water, it is the amount of water delivered to the land and not the amount diverted from the stream that must govern.

8. The prevailing customs and methods of applying water to the land in the interests of good husbandry in the territory where it is used are to be followed in determining the duty of water.

9. The state may regulate and control irrigation and the distribution and use of water therefor by virtue of its police power.

10. It is a proper exercise of the police power to prevent the wasting of water or the diversion of more water than can be put to a beneficial use.

11. A provision in an act of the legislature arbitrarily limiting an appropriation to three acre-feet in the aggregate during one calendar year for each acre of land (Comp. St. 1929, sec. 81-6311) has no application to a valid appropriation which vested prior to its enactment.

12. Vonburg v. Farmers Irrigation District, 132 Neb. 12, 270 N. W. 835, limited.

Heard before Simmons, C. J., Rose, Eberly, Paine, Carter, Messmore and Johnson, JJ.

CARTER, J.

This is a suit for an injunction brought by the Enterprise Irrigation District against Robert H. Willis, chief of the bureau of irrigation, water power and drainage, and A. C. Tilley, state engineer. At the time the suit was commenced the defendants were threatening to close the headgates of plaintiff's irrigation canal for the alleged reason that plaintiff had received all the water to which it was entitled during the irrigation season in question. In its petition the plaintiff asked that the defendants be enjoined from preventing it from diverting all the water that could be put to a beneficial use in the growing of crops. The trial court denied an injunction and plaintiff appeals.

The record discloses that in the year 1889 the Enterprise Ditch Company made an appropriation of water from the North Platte River, in accordance with the law of appropriation then in existence, in an amount in excess of 138.90 second feet, subject only to the common-law that no more water could be diverted and appropriated than could be applied to a beneficial use. Thereafter the Enterprise Ditch Company sold its irrigation works and water appropriation to the plaintiff. Subsequent to the enactment of the irrigation law of 1895, providing for the creation of a state board of irrigation and for filing of claims and adjudication of water rights, a claim for such appropriation was filed with the state board of irrigation claiming an appropriation of 138.90 second-feet of water with a priority date of March 28, 1889. On January 7, 1897, the state board of irrigation entered its order, finding, adjudging and adjudicating that said appropriation was a valid appropriation for 138.90 second-feet of water with a priority of March 28, 1889, limited only by the rule that the amount so diverted should not be in excess of the amount that could be applied to a beneficial use. No appeal was taken from this order.

The irrigation laws of 1877 and 1889, the only ones on the subject at the time of plaintiff's appropriation, place no limitations upon the quantity of water that could be appropriated, save and except that the appropriation must be for some useful or beneficial purpose and within the limits of the capacity of the diversion works. See Laws 1877, p. 168; Laws 1889, ch. 68. The irrigation law of 1895 limited for the first time the quantity of water that could be appropriated to a specific amount, the statute stating "that no allotment for irrigation shall exceed one cubic foot per second for each 70 acres of land for which said appropriation shall be made."

Laws 1895, ch. 69, sec. 20. The same act also provided: "Nothing in this act contained shall be so construed as to interfere with or impair the rights to water appropriated and acquired prior to the passage of this act." Laws 1895, ch. 69, sec. 49. In 1911, the legislature placed a further limitation upon the quantity of water that could be appropriated, the statute providing, "that no allotment for irrigation shall exceed one cubic foot per second of time for each seventy acres of land nor three acre-feet in the aggregate during one calendar year for each acre of land for which such appropriation shall be made." Laws 1911, ch. 153, sec. 19. (Blackface ours). These same limitations appear in the irrigation law contained in the civil administrative code law of 1919. Laws 1919, p. 837. The 1919 law also provided: "Nothing in this article contained shall be so construed as to interfere with or impair the rights to water appropriated and acquired prior to the fourth day of April, 1895." Laws 1919, p. 832. The last two cited sections of the civil administrative code of 1919 remain in force and are designated as sections 81-6311 and 46-506, respectively, Comp. St. 1929. It is the contention of the defendants that the limitation of three acre-feet in the aggregate during one calendar year for each acre of land for which the appropriation shall have been made, as contained in section 81-6311, Comp. St. 1929, applies to plaintiff's appropriation and, that amount having been exceeded at the time this suit was commenced, the plaintiff was not entitled to any more water and defendants should not be enjoined from closing the headgates of plaintiff's canal. Plaintiff contends that its appropriation is a right vested as of March 28, 1889, and that the statute in question has no retroactive force and, if such retroactive construction be placed upon it, it is violative of the due process clauses of the Constitution of Nebraska and the Fourteenth Amendment to the Constitution of the United States. Defendants contend that the statute is a proper exercise of the police power of the state and is not inhibited by either the state or federal Constitutions.

That the state may supervise and control the appropriation, diversion and distribution of the public waters of the state and impose that duty upon administrative officers is settled by our former decisions. *Farmers Canal Co. v. Frank*, 72 Neb. 136, 100 N. W. 286. Statutory provisions relating to the duties of administrative officers, in so far as they require or authorize a control and regulation of the diversion and distribution of appropriated waters in accordance with adjudicated priorities, are not inimical to the provisions of the state and federal Constitutions. As was said in *Farmers Canal Co. v. Frank*, 72 Neb. 136, 100 N. W. 286: "It is the evident purpose of the law, taken as a whole, to enforce and maintain a rigid economy in the use of the waters of the state. It has been, and is, the policy of the law in all the arid states and territories to require and enforce an economical use of the waters of the natural

streams. The urgent necessities of the situation compel this policy by the very force of circumstances. One of the main objects of the system of administration of public waters prescribed throughout the arid regions is to restrain unnecessary waste, and to provide for an economic distribution of that element so necessary to the very existence of agriculture in those regions. This is also the policy of the state of Nebraska in its regulation of the use of the waters of the state, and the law should be construed so as to effect a reasonable, just and economic distribution of water for irrigation purposes. The court will take judicial notice of the fact that there are hundreds of acres within the state susceptible of irrigation to every acre which there is water enough to supply, and it is obvious that a construction of the law that will best distribute the use of the waters is to be preferred, if such construction is not inimical to any constitutional inhibitions or limitations."

The various statutory provisions for the distribution of water among different appropriators according to their respective priorities by administrative officers of the state were undoubtedly enacted in furtherance of a wise public policy to afford an economical and speedy remedy to those whose rights are wrongfully disregarded by others, as well as to prevent waste, and to avoid unseemly controversies that may occur where many persons are entitled to share in a limited supply of public water for the purposes of irrigation. Such provisions have generally been sustained as a part of the police power of the state.

That an appropriator of public water, who has complied with existing statutory requirements, obtains a vested property right has been announced by this court on many occasions. *Crawford Co. v. Hathaway*, 67 Neb. 325, 93 N. W. 781; *Kearney Water & Electric Powers Co. v. Alfalfa Irrigation District*, 97 Neb. 139, 149 N. W. 363; *Nine Mile Irrigation District v. State*, 118 Neb. 522, 225 N. W. 679; *City of Fairbury v. Fairbury Mill & Elevator Co.*, 123 Neb. 588, 243 N. W. 774. This brings us to the question whether the subsequent conditions imposed, limiting appropriations for irrigable lands to three acre-feet per acre for each calendar year, applies retroactively to appropriations obtained prior thereto, and, if so, is it inimical to the due process provisions of the state and federal Constitutions?

The record discloses that plaintiff had used 3.50 acre-feet of water for every acre of irrigable land in the district when the order was issued to close the headgate. Of this amount 3.03 acre-feet per irrigable acre was diverted from the North Platte River, while the balance was diverted from drainage ditches crossing plaintiff's canal. All measurements were made at the points of diversion and not at the points where water was delivered to the land. There is some evidence in the record to the effect that there was no loss by percolat-

ion, the usual losses of this character being offset by inflow. While this evidence was far from satisfactory, we are obliged to treat it as proved in view of the result at which the trial court arrived. It is also established that plaintiff had not exhausted its appropriation, assuming that the requirement as to beneficial use had been complied with and that statutory limitations as to quantity did not apply.

It is a principle of the common law that one may not divert more water, even under a valid appropriation, than he can put to a beneficial use. While many elements must be considered in determining whether water has been put to beneficial use, one is that it shall not exceed the least amount of water that experience indicates is necessary in the exercise of good husbandry for the production of crops. The extent to which landowners need and are entitled to have the benefit of irrigation water under a vested appropriation ordinarily depends upon aridity, rainfall, location, soil porosity, adaptability to particular forms of production and the use to which the irrigable lands are put. In other words, the duty of water may be defined as such a quantity of water necessary, when economically conducted and applied to the land without unnecessary loss, as will result in the successful growing of crops. 2 Kinney, Irrigation and Water Rights (2d ed.) secs. 902 and 903.

Many persons engaged in farming within the plaintiff district testified that the water used by them had been used in the usual and ordinary way to produce crops, that there had been no waste or misapplication of the irrigation water, and that, at the time the closing of the headgate was threatened, their crops were in need of water. They also testified that a failure to obtain water would have resulted in a material decrease in the crop returns from their lands.

The defendants produced the evidence of two experts who testified that they had made many experiments as to the amount of water required to grow certain kinds of crops on various kinds of lands, including the types of land found in the plaintiff district. The conclusions of these witnesses were that three acre-feet of water was sufficient to grow the kind of crops raised on the lands within the Enterprise Irrigation District. The experiments testified to were made under conditions very dissimilar from those under which the farmers of the plaintiff district were forced to operate. Whether the difference in conditions would account for the difference in the amount of water used would require us to delve into the realms of speculation and conjecture. There is no direct evidence that the water diverted by the plaintiff district had been wasted or put to any use other than a beneficial one. The evidence also sustains the plaintiff in its contention that the crops being grown on the lands in the district were in need of water at the time of the threatened clos-

ing of the headgate in plaintiff's canal. After a consideration of all the evidence in the record on the subject, we are of the opinion that it will not sustain a finding that irrigation water was wasted or put to other than a beneficial use in the usual, ordinary and recognized method of applying irrigation water in that section of the state.

It must be borne in mind that the quantity of water that can be diverted under a vested water right for irrigation purposes is an element of importance equal to that of its priority in determining its value. While such a right may be regulated and supervised by the state and its administrative officers for the purpose of protecting all adjudicated rights of appropriators having an interest in the waters of the stream, yet a law of this character cannot operate to divest rights already vested at the time it was enacted. While vested water rights may be interfered with within reasonable limits under the police power of the state to secure a proper regulation and supervision of them for the public good, any interference that limits the quantity of water or changes the date of its priority to the material injury of its holder is more than regulation and supervision and extends into the field generally referred to as a deprivation of a vested right.

In a similar situation the legislature of California declared that the term "useful or beneficial purposes" shall not be construed to mean the use in any one year of more than two and one-half acre-feet of water per acre in the irrigation of uncultivated areas of land not devoted to cultivated crops. It was contended that the act of the legislature was justified as a proper exercise of the police power of the state. In holding to the contrary, the supreme court of that state said: "It may be conceded that the phrase 'police power of the state' has, as to its scope and meaning been subjected to a quite severe strain of recent years in the endeavor to so expand it as to cover all sorts of legislation sought to be enacted in the asserted interest of modern progress; but we have yet to be referred to a case wherein it has been judicially so far expanded as to invest the legislative department of this state with arbitrary power to destroy vested rights in private property when such rights are being exercised and such property is being employed in the useful and in nowise harmful production of wealth, and when such use and the product thereof cannot be said or shown to be inimical to public health or morals or to the general welfare; but, on the contrary, must be conceded to be beneficial to each and all of these. The use to which the owners of lands contiguous to a river devote its soil by the aid of the waters of such river in the annual production of crops or cattle is such a use. The extent to which such riparian landowners need, and use, and are entitled to have the benefit of the flow and overflow of such waters under their vested riparian rights therein is a matter which depends upon the circumstances of each particular

case; upon location, aridity, rainfall, soil porosity, responsiveness, adaptability to particular forms of production, and many other elements which render the question essentially one for judicial inquiry and determination in all cases involving the proper use of water upon both cultivated and uncultivated areas. To concede that the state legislature has the right arbitrarily to fix as to the latter the amount of water which the riparian proprietor may take and use thereon would be to concede an equal power to make a like arbitrary fixation in respect to cultivated areas also, entirely regardless of the foregoing elements which are necessarily the determining factors in such fixation. To concede this would be to concede to the legislative department of the state government the arbitrary power to destroy vested rights in private property of every kind and character." *Herminghaus v. Southern California Edison Co.*, 200 Cal. 81, 252 Pac. 607. We are of the opinion that the principle of law set forth in the foregoing case is correct and that it has particular application to the facts in the case at bar.

The evidence, as we view it, shows that the plaintiff district has more than three acre-feet of water for every irrigable acre in its district. It further shows that the water used has been applied to a beneficial use without waste. It is not disputed that additional water was required when the injunction was threatened and that plaintiff's appropriation, without the limitations complained of, was sufficient to provide it without infringing upon the rights of prior appropriators. The evidence of the expert witnesses tendered by the defendants was not sufficient to overcome the undisputed evidence offered by the plaintiff. We recognize the value of the experiments and research conducted by experts in their respective fields, but the duty of water is a complicated question of fact which must be determined in accordance with the prevailing custom in the locality where it is used. *Wiel, Water Rights* (3d ed.) p. 507. Neither is it contemplated nor required that each appropriator should use the latest and most approved scientific method in applying irrigation water to the land. *Tulare Irrigation District v. Lindsay-Strathmore Irrigation District*, 3 Cal. (2nd) 489, 45 Pac. (2d) 972; *Joerger v. Pacific Gas & Electric Co.*, 207 Cal. 8, 276 Pac. 1017.

We fully realize the difficulty of regulating and supervising the holder of an appropriation such as the plaintiff possesses. However, the difficulty must be overcome by regulation and control over the district by virtue of a proper exercise of the police power of the state. The difficulties of the situation cannot be advanced as a justification for violating vested property rights. The various irrigation acts of this state show an intent on the part of the legislature not to interfere with or impair appropriation rights which vested prior to the enactment of the 1895 irrigation law. Construing these acts in connection with the provision in section 81-6311, Comp. St.

1929, limiting the amount of water that could be used in a calendar year to three acre-feet for each irrigable acre, we reach the conclusion that this statutory provision was never intended to have any retroactive effect upon plaintiff's appropriation right which vested in 1889. To place any other construction upon the provision would make it inimical to applicable provisions in the state and federal constitutions.

It is the contention of defendants that the case of Vonburg v. Farmers Irrigation District, 132 Neb. 12, 270 N. W. 835, is determinative of the issues involved in the case at bar. That case involved the contract rights of certain irrigators under contracts entered into in 1890. In the opinion we said; "It is argued by defendants that plaintiffs, in any event, should be limited to three acre-feet per acre during each irrigation season. We are inclined to agree with this proposition." An examination of the record and briefs in that case shows that the limitation mentioned was not an issue in the case. It was not pleaded, briefed, nor presented to the court for determination. This court is committed to the rule that a cited case is authority only on the issues presented which are necessary to a proper decision of the case. We cannot therefore treat the Vonburg decision as controlling on the issues raised in the suit at bar.

We conclude that, under the facts presented to the trial court, an injunction should have been granted.

REVERSED.

WINTERS CREEK CANAL COMPANY V. WILLIS

30437

Filed February 24, 1939.

NO SYLLABUS

Heard before Simmons, C. J., Rose, Eberly, Paine, Carter, Messmore and Johnson, JJ.

CARTER, J.

This is a suit for an injunction brought by the Winters Creek Canal Company against Robert H. Willis, chief of the bureau of irrigation, water power and drainage, and A. C. Tilley, state engineer. The purpose of the injunction was to prevent the officials of the irrigation department from interfering with the diversion of more than three acre-feet of water per acre of land within the plaintiff district in the year 1936. The injunction was denied by the trial court and plaintiff appeals.

The issues involved are identical with those in Enterprise Irrigation District v. Willis, *Supra*

The record discloses that plaintiff has a valid appropriation of water from the North Platte river in the amount of 124 2/7 second-feet with a priority dating of October 18, 1888, limited only to the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of good husbandary and within the limits of the capacity of the diversion works then constructed to vest said appropriation. The record further shows that on August 27, 1936, plaintiff had diverted during the calendar year of 1936 for irrigation purposes 3.58 acre-feet of water for each irrigable acre of land within its district. It is the contention of the defendants that plaintiff is not entitled to more than three acre-feet of water under the provisions of section 81-6311, Comp. St. 1929.

The evidence offered is almost identical with that adduced in the companion case of Enterprise Irrigation District v. Willis, *supra*. The conclusions of fact to be drawn therefrom are necessarily the same. The applicable rules of law are fully considered in that case so that further discussion thereof is not necessary.

For the reasons stated in Enterprise Irrigation District v. Willis, *supra*, the trial court should have granted an injunction.

REVERSED.

STATE EX REL CARY V. COCHRAN

30774

Filed May 24, 1940

1. An action against a public officer for any neglect of official duty must, under the provisions of section 20-404, Comp. St. 1929, be brought in the county where the cause or some part thereof arose.

2. An action for mandamus against the administrative officers of the state to compel the proper enforcement of the irrigation laws, and thereby prevent unlawful diversions of water by junior appropriators, is properly maintainable in the county where the resulting damages occur.

3. The state may regulate and control irrigation by virtue of its police power to prevent waste, to protect senior appropriators against unlawful diversions by junior appropriators, and to enforce all adjudicated water rights in accordance with their terms.

4. In so doing, administrative officers of the state perform ministerial duties only, and must give full recognition to the vested rights of all appropriators.

5. Junior appropriators may use available water within the limits of their appropriation so long as the rights of senior appropriators are not injured or damaged.

6. The use of water by a junior appropriator does not become adverse to or damage a senior appropriator until it results in a deprivation of his allotted amount, or some part thereof.

7. A senior appropriator is entitled to water as against an upstream junior appropriator as long as water in usable quantities can be delivered to him.

8. Whether a quantity of water passing a given point on the stream would, if not interrupted or diverted reach a senior appropriator downstream is a complicated question of fact to be determined by the proper administrative officers of the state.

9. Unless such determination of fact be unreasonable and arbitrary, the findings are final and not subject to review by the courts.

10. Where all the available water passing a certain point on the stream would not, if not diverted or interrupted, reach a senior appropriator downstream, junior appropriators may lawfully divert water within the limits of their appropriations, and such diversions are not in law out of priority diversions.

11. The doctrine of reasonable use has no application in a case where delivery of a usable quantity of water can be made to a senior appropriator downstream, even though the losses of water suffered in so doing are great.

12. While the duty of the administrative officers of the state is to enforce existing priorities as adjudicated, yet, in regulating the distribution of water, they may determine as an incident to such regulation whether a senior appropriator is injured by a diversion above him.

13. Evidence examined and held that relator power company has not, under the evidence in the record, waived or abandoned any part of its appropriation for power purposes with priority date of September 10, 1882.

14. To warrant the issuance of a writ of mandamus against an officer to compel him to act, the duty must be imposed upon him by law; it must exist when the writ is applied for and the duty to act must be clear.

15. The issuance of a writ of mandamus is within the sound judicial discretion of the court.

16. A court will not ordinarily issue a writ of mandamus where the alleged failure to act is general and not specific, and where the dereliction of duty is not clearly shown to exist at the time the application for the writ is made.

Heard before Simmons, C. J., Rose, Eberly, Paine, Carter, Messmore and Johnsen, JJ.

CARTER, J.

This is an action of mandamus brought by a number of irrigators under the Kearney canal, on behalf of themselves and others similarly situated, and by the Central Power Company, which, with the exception of one small user of water, is the owner of the oldest water appropriation on the Platte river and its tributaries. The respondents are the governor, the state engineer, and the chief of the bureau of irrigation and his subordinates. The petition prays for the issuance of a writ of mandamus compelling the proper administration and enforcement of the irrigation laws of the state for the purpose of protecting the irrigation and power rights of the relators from alleged unlawful diversions of water above relators' canal by junior appropriators. The trial court denied the writ and dismissed the petition of the relators. Relators thereupon perfected an appeal to this court.

It is not disputed that the waters of the Platte river and its tributaries are subject to appropriation for irrigation and power purposes upon the principle that priority of time bestows priority of right, and that pursuant to such principle the Central Power Company, through its predecessors in interest, was adjudicated and given a priority upon the Platte river, as of September 10, 1882, of 140 cubic feet per second of flow of water for power purposes, and a further appropriation, as of February 12, 1920, of 485 cubic feet per second for the same purposes. It is also admitted by the pleadings that 22 second-feet of water have been adjudicated to certain lands in Buffalo county for irrigation purposes with a priority dating of September 10, 1882, and which, for the purposes of this suit, will be treated as the property of certain of the relators claiming to be owners thereof in this litigation. The foregoing appropriations of water, bearing the priority dating of September 10, 1882, are prior in time to all appropriations on the Platte river and its tributaries in Nebraska, except an appropriation to the Nelson Radcliffe canal in Morrill county with a priority dating of June 1, 1882, for 2.77 cubic feet of water per second of time.

The Central Power Company, in reliance upon its adjudicated water rights, reconstructed and rebuilt its power plant and diver-

sion dam, and installed new machinery, appliances and equipment at a cost of \$225,000 or more to make it of sufficient capacity to beneficially use water to which it was entitled under its appropriations adjudicated and allowed as of September 10, 1882, and February 12, 1920. The remaining relators are owners of land in Buffalo county, which is irrigable and irrigated from the waters carried in the Central Power Company canal during the irrigation season, said water being the 22 second-feet adjudicated to certain lands in Buffalo county under the priority dating of September 10, 1882, and appurtenant to said lands subject only to the payment of a carrying charge to the Central Power Company. That relators have constructed laterals leading to and upon their respective lands, and made beneficial use of all of the 22 cubic feet per second of flow under their appropriation whenever it was available in the river, is alleged in the petition. For the purposes of this suit only, this allegation will be considered as true.

The respondents, as officers, agents and employees of the bureau of irrigation, are charged by law with the duty of the administration and enforcement of the irrigation laws of the state and the distribution of the waters of the Platte river and its tributaries within the state in accordance with adjudicated priorities. It is the contention of relators that respondents, in administering and enforcing the irrigation laws of the state and in the distribution of water for irrigation, have continuously permitted and allowed junior appropriators, situated above the headgate of the Central Power Company, to take and use water for irrigation, storage, and other purposes, without regard to priority and to the prejudice and damage of the relators.

It is urged that the district court for Buffalo county was without jurisdiction to hear the case. The applicable statute provides: "Actions for the following causes must be brought in the county where the cause or some part thereof arose:***Second. An action against a public officer, for an act done by him in virtue of or under color of his office, or for any negligence of his official duty." Comp. St. 1929, sec. 20-404. The case at bar is clearly one seeking a remedy for the alleged neglect of official duty on the part of a public officer. Does the cause of action or some part thereof arise in Buffalo county? Generally speaking, a cause of action consists of a wrong and a resulting damage. A wrong which does not result in a damage is not ordinarily actionable. In the instant case, the alleged wrongs occurred in the counties where junior appropriators upstream were permitted to divert water belonging to relators. The damage occurred in Buffalo county when relators' lands were deprived of needed irrigation water and the water-power plant of the relator power company was shut down for the reason that water alleged to belong to the power company was taken by junior

appropriators. Without the subsequent damage, no cause of action could exist. It seems clear, therefore, that the "cause or some part thereof" arose in Buffalo county. We have examined Platte Valley Irrigation District v. Bryan, 130 Neb. 657, 266 N. W. 73, cited by respondents, and find nothing therein contained inconsistent with this view.

It will be noted that the priority date of the appropriation of 140 cubic feet per second of flow for power purposes is September 10, 1882. The appropriation of 22 cubic feet per second for irrigation purposes bears the same priority date. Under the holdings of this court, these water rights became vested as of that date. At the time of the vesting of these rights, no distinction had been made between appropriations for irrigation and appropriations for power purposes. It is plain, therefore, that the irrigation laws of this state, the first of which was passed in 1889, and the Nebraska Constitution of 1920, do not divest the owners of these two appropriations dated September 10, 1882, of their vested interests in them. To hold otherwise would invite the exercise of the restraints imposed by the Fourteenth Amendment to the Constitution of the United States. Enterprise Irrigation District v. Willis, 135 Neb. 827, 284 N. W. 326. We think, therefore, that distinctions cannot be made between the power and irrigation appropriations involved herein, bearing the date of September 10, 1882. For all practical purposes, relators have an appropriation of 162 second-feet of water with a priority dating of September 10, 1882, as against all junior appropriators on the stream whether for irrigation or power purposes.

The North Platte river is a nonnavigable stream which has its source in the mountains of Colorado and flows across a part of Wyoming and Nebraska to a point approximately 200 miles from the Wyoming-Nebraska line, where it joins the South Platte river to form the Platte river. The present case involves the administration of irrigation and power rights on the North Platte and Platte rivers from the Wyoming-Nebraska line to the headgate of the Kearney canal located 13 miles west of Kearney, Nebraska. The water discharged into the Platte river from the South Platte river also has its place in the problem before us, but it does not appear to have been treated as of major importance by the parties in the present suit. The North Platte and Platte rivers will therefore be treated as the primary subject of the litigation. For the purposes of this suit, the upper end of the river is at the Wyoming-Nebraska line and the lower end at the headgate of the Kearney canal, it being the last point of diversion for irrigation and power purposes on the river.

That the state in the exercise of its police power may supervise and control the appropriation, diversion and distribution of the pub-

lic waters of the state, and impose that duty upon administrative officers, is well settled. *Farmers Canal Co. v. Frank*, 72 Neb. 136, 100 N. W. 286; *Enterprise Irrigation District v. Willis*, 135 Neb. 827, 284 N. W. 326. The first irrigation laws in this state were enacted in 1889. In 1895 a comprehensive irrigation code was enacted which, as amended, appears as chapter 46 of the Compiled Statutes of Nebraska for 1929. The various statutory provisions thereof, providing for the distribution of water among different appropriators according to their respective priorities by administrative officers of the state, were undoubtedly enacted in the furtherance of a wise public policy to afford an economical and speedy remedy for those whose rights are wrongfully disregarded by others, as well as to prevent unnecessary waste and useless diminution of the waters of streams, and to avoid unseemly controversies that may occur where many persons are entitled to share in a limited supply of public water for irrigation and power purposes. It is the duty of the state under our irrigation code to administer the waters of streams and rivers to prevent waste, to protect prior appropriators against subsequent appropriators, and to enforce all adjudicated water rights in accordance with their terms. In so doing, the officers of the state perform ministerial acts only, even though findings of fact may have to be determined before proper control and regulation may be intelligently exercised. The quasi-judicial powers conferred upon the department have application only to the granting and cancelation of appropriation rights and priorities. With these general propositions before us, the question to be determined is whether the state through its proper officers has failed to administer the waters of the North Platte and Platte rivers in accordance with the irrigation laws of this state, and, if so, whether relators are entitled to the issuance of a writ of mandamus.

A proper regulation and control of the segments of the North Platte and Platte rivers involved in this case require a consideration of all factors entering into the administration of the waters of these rivers for the benefit of appropriators for irrigation and power purposes. In considering these factors, the two rivers and their tributaries will be treated as one, thereby obviating the necessity of referring to both when speaking of the whole.

The flow of the river even in the summer months is affected by the amount of snow falling in the mountains of Colorado within its drainage basin. The river passes through parts of Colorado and Wyoming, both of which states require irrigation water in excess of the available supply. Storage and control dams under the control of the federal government also exist along the river west of the point where the river enters Nebraska. Water rights, both senior and junior to existing rights and priorities in Nebraska, coupled with the uncertainty of their accurate administration, add to the indefinite-

ness of the amount of water that passes at any given time across the state line and under the control of the administrative officers of this state.

Losses from evaporation and transpiration are heavy, due to the wide and shallow character of the river. Changes of temperature and varying types of wind add to the uncertainty of the losses resulting from these changing conditions. Losses from percolation vary along the various sectors of the river. The evidence shows that the river valley from the Wyoming-Nebraska line to North Platte or thereabouts is underlaid with impervious formations which do not permit losses of subterranean waters into other water-sheds. At some unknown point between North Platte and Gothenburg, the river cuts through the impervious formations and runs into the sheets of sand and gravel with which the territory is underlaid. Losses begin to occur at this point due to the percolation of river water through this sand and gravel formation, in a southeasterly direction into the basin of the Republican river. It was estimated by Professor A. L. Lugn, an expert on geology, stratigraphy and ground-water hydrology, that the loss of the Republican river basin would be from 50,000 to 100,000 acre-feet of water each year. It is true that a large part of this loss occurs below the headgate of relators' canal. This estimate is recited for the purpose of giving some idea of the nature and degree of the loss, without any hope of accurately measuring such losses occurring above the headgate of the Kearney canal. Experts with experience on the river estimate that the loss in delivering water from North Platte to the headgate of the Kearney canal with a wet river bed amounts to three times the amount of delivery, and with a dry river bed that it is almost impossible to get water through without a flood or a large sustained flow. In other words, it requires approximately 700 second-feet of water at North Platte to deliver 162 second-feet at the headgate of the Kearney canal when the river bed is wet. The underlying sand and gravel beds thicken as the river moves east. With the bed of the river on the surface of these sand and gravel deposits, it requires a huge amount of water to recharge the river channel and surrounding water table after the river bed once becomes dry. Until the water table is built up to the surface of the river bed, the river channel will not support a continuous flow. It is also shown that the water table has been affected materially by pump irrigation. It was estimated that there are 500 irrigation pumps in Dawson county alone, which pump as much as 40,000 acre-feet of water in a single season. The evidence bears out the statement that the Platte river east of Gothenburg is a very inefficient carrier of water. In addition to the subterranean losses noted, the river spreads out, causing a broad surface of water and channel bed to be subjected to large evaporation losses. It is further established by early settlers along the river that it was not unusual for the river to go dry

PLATTE RIVER AT DUNCAN

LOCATION:—Concrete highway bridge consisting of eighteen 50-foot spans, in Section 12, Township 16 North, Range 2 West, $1\frac{1}{2}$ miles south of Duncan. Established October 25, 1928. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 1,479 feet above mean sea level.

DISTANCE FROM PATHFINDER:—632 miles.

DRAINAGE AREA:—61,600 square miles.

BENCH MARKS:—No. 1 is the top of old engine valve set flush with top of first pier from north end, near upstream point. Elevation, 12.80 feet. No. 2 is a standard bronze tablet in 4-foot concrete post located behind middle of north downstream wingwall. Elevation, 10.07 feet. Reference point is the slot in screw in edge of recorder shelf. Elevation, 13.98 feet.

GAGE:—Enamel scale calibrated from 0 to 10 feet, fastened to a 4x6 timber bolted to downstream end of first concrete pier from north end. Elevation of zero of gage is 1,478.80 feet above sea level.

RECORDER:—Stevens A-30 recorder in a standard timber shelter. Installed September 20, 1934. (Property of Weather Bureau).

OBSERVER:—Arthur J. Lindley, caretaker.

RECORDS AVAILABLE:—From October, 1928, to September 30, 1940.

PLATTE RIVER AT ASHLAND

LOCATION:—In Section 29, Township 13 North, Range 10 East, at north end of site of old highway bridge across river from the United States Rifle Range, 3 miles northeast of Ashland. Established October 1, 1939. Station replaces the one at the south of old bridge used from December 11, 1938, to September 30, 1939, and August 28, 1928, to September 28, 1933. It also replaces station on south bank 950 feet upstream used from September 29, 1933, to December 10, 1938. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 1,020 feet above mean sea level.

DISTANCE FROM PATHFINDER:—719 miles.

DRAINAGE AREA:—83,800 square miles.

BENCH MARKS:—No. 2 is bronze tablet set in top of concrete pedestal at base of flag pole at Rifle Range. Elevation, 10.43 feet.

RECORDER:—Stevens Type A-30 continuous recorder installed October 7, 1938, in small wooden shelter on 18-inch galvanized iron well attached to downstream end of first pier from south end of bridge.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—March 1, 1937, to September 30, 1940.

HIGHEST GAGE READING:—

3.45, January 22, (ice) water year 1939.

3.35, February 12, (ice) water year 1940.

LOWEST GAGE READING:—

-0.62, September 27, water year 1939.

-0.58, September 1, water year 1940.

PLATTE RIVER AT GRAND ISLAND

LOCATION:—Bridge on Highway No. 2, in Section 36, Township 11 North, Range 9 West, 5 miles southeast of Grand Island. Established May 25, 1933. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—About 1,840 feet above mean sea level.

DISTANCE FROM PATHFINDER:—560 miles.

DRAINAGE AREA:—59,500 square miles.

BENCH MARK:—No. 1 is a standard bronze tablet set in upstream end of north abutment. Elevation, 13.66 feet. Reference point is the slot in screw head in recorder cabinet. Elevation, 12.30 feet.

GAGE:—Chain gage 17.77 feet long, on the upstream handrail of bridge.

RECORDER:—Stevens Type A-30 continuous recorder in wooden shelter on north bank, 30 feet downstream. Installed October 23, 1933, by the United States Geological Survey.

OBSERVER:—None.

RECORDS AVAILABLE:—May 25, 1933, to September 30, 1940.

HIGHEST GAGE READING:—

4.70, March 10, (ice) water year 1939.

5.05, February 17, (ice) water year 1940.

LOWEST GAGE READING:—

Dry, July 12 to September 30, water year 1939.

Dry, June 22 to September 30, water year 1940.

PLATTE RIVER AT OVERTON—Concluded

BENCH MARKS:—No. 1 is the top of concrete guardrail on upstream side at north end of bridge. Elevation, 14.28 feet. No. 2 is the top of concrete guardrail on downstream side of south end of bridge. Elevation, 14.28 feet. No. 3 is cross on curb on upstream side at north end of bridge. Elevation, 12.06 feet. No. 4 is two 60d spikes driven horizontally in base of a 6-inch cottonwood tree, 10 feet south and 5 feet east from shelter. Elevation, 6.42 feet. Reference point is the slot in screw head in face of recorder shelf. Elevation, 10.33 feet.

GAGE:—Enamel scale gage, calibrated from 0 to 6.7 feet, attached to downstream end on first pier from south end of bridge.

RECORDER:—Stevens Type A-27 continuous recorder on south bank of stream, 40 feet downstream from bridge. Installed by the State of Nebraska.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—June, 1918, to September 30, 1940, with the exception of the year 1924.

HIGHEST GAGE READING:—

4.73, January 17, (ice) water year 1939.
4.25, February 14, (ice) water year 1940.

LOWEST GAGE READING:—

0.70, September 30, water year 1939.
0.03, September 14, water year 1940.

PLATTE RIVER AT ODESSA

LOCATION:—Concrete highway bridge in Section 16, Township 8 North, Range 17 West, 2½ miles south of Odessa. Established December 30, 1936. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 2,210 feet above mean sea level.

DISTANCE FROM PATHFINDER:—505 miles.

DRAINAGE AREA:—Not determined.

BENCH MARKS:—No. 1 is cross cut in top of south abutment wingwall near downstream end. Elevation, 10.90 feet. Adjustable reference point in edge of recorder shelf. Elevation, 11.72 feet.

GAGE:—Chain gage attached to bridge rail nearby. Length, 12.30 feet.

South Channel. Chiseled cross on downstream end of south abutment. Elevation, 8.68 feet. Adjustable reference point attached to edge of recorder shelf. Elevation, 9.44 feet.

GAGES:—North Channel. Outside gage is 0-3.33 foot enameled staff attached to piling in south bank of channel 25 feet below present bridge.

South Channel. Outside gage is 0-6.66 foot enameled staff gage attached to downstream end of first concrete pier from south end of bridge.

RECORDERS:—North Channel. Stevens Type A-27 continuous recorder in a wooden shelter supported by a 24-inch corrugated metal pipe stilling well. Pipe is attached to downstream end of first pier from south bank of a 6-span through-steel-girder highway bridge with concrete abutments and piers. Installed by State of Nebraska March 17, 1939.

South Channel. Stevens Type A-35 continuous recorder in shelter similar to that on the north channel attached to downstream side of first pier from south abutment. Installed by State of Nebraska May 4, 1940.

OBSERVER:—Water commissioner during the irrigation season.

RECORDS AVAILABLE:—From July 1, to September 30, 1932; partial record from October 8, 1936, to September 30, 1937; May 1, to September 30, 1938; March 18, 1939, to September 30, 1940.

HIGHEST GAGE READING:—

North Channel, 3.54, February 14, water year 1940.

South Channel, 2.80, February 15, water year 1940.

LOWEST GAGE READING:—

North Channel, -0.17, September 9, water year 1940.

South Channel, -0.66, September 19, water year 1940.

PLATTE RIVER AT OVERTON

LOCATION:—Concrete highway bridge consisting of twenty-five 35.5-foot spans center to center, on north and south center line through Section 12, Township 8 North, Range 20 West, 4 miles south of Overton. Established June, 1918. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 2,320 feet above mean sea level.

DISTANCE FROM PATHFINDER:—490 miles.

DRAINAGE AREA:—58,400 square miles.

PLATTE RIVER AT BRADY—Concluded

RECORDERS:—Channel No. 1. Stevens Type A-35 continuous recorder in standard wooden shelter located on south bank, 150 feet downstream from 6-span highway bridge. Shelter is equipped with double flushing device for intakes. Elevations, 1.31 and 2.06 feet, respectively.

Channel No. 2. No recorder.

Channel No. 3. No recorder.

Channel No. 4. Stevens Type A-30 continuous recorder in welded-iron shelter supported by 18-inch pipe well 12 feet long. Shelter is located at 3-span highway bridge on downstream end of first pier from south bank.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—Measurements in 1931, 1932, and 1934. Discharge records from April 20 to September 30, 1937; May 1 to September 30, 1938; October 1, 1938 to September 30, 1940.

HIGHEST GAGE READINGS:—

Channel No. 1, 7.00, December 3, (ice) water year 1939.
4.91, February 11, (ice) water year 1940.

Channel No. 4, 3.43, February 15, (ice) water year 1939.
2.03, June 7, (ice) water year 1940.

LOWEST GAGE READINGS:—

Channel No. 1, 1.13, August 24, water year 1939.
1.42, June 30, water year 1940.

Channel No. 4, -0.44, September 30, water year 1939.
-0.40, September 30, water year 1940.

PLATTE RIVER AT COZAD

LOCATION:—On highway bridge in Section 18, Township 10 North, Range 23 West, $1\frac{1}{2}$ miles south of Cozad. Established October 1, 1939. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement. The river flows in two channels about $\frac{1}{4}$ mile apart.

ELEVATION:—Approximately 2,470 feet above mean sea level.

DISTANCE FROM PATHFINDER:—470 miles.

DRAINAGE AREA:—Not determined.

BENCH MARKS:—North Channel. Chiseled cross on northeast corner of south abutment. Elevation, 8.03 feet. Adjustable reference point attached to edge of recorder shelf. Elevation, 10.55 feet.

HIGHEST GAGE READING:—4.15, January 1, water year 1939.
1.67, February 12, water year 1940.

LOWEST GAGE READING:—0.50, July 24, water year 1939.
0.14, July 26, water year 1940.

PLATTE RIVER AT BRADY

LOCATION:—In Sections 11 and 23, Township 12 North, Range 27 West, $\frac{1}{4}$ mile south of Brady Island. Established November 18, 1938. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement. There are two major and two minor channels within a total width of about three miles. The two major channels, known as 1 (north) and 4 (south), have recorders. Channels 2 and 3 have staff gages.

ELEVATION:—Approximately 2,640 feet above mean sea level.

DISTANCE FROM PATHFINDER:—444 miles.

DRAINAGE AREA:—Not determined.

BENCH MARKS:—Channel No. 1. No. 1 is bronze tablet set in top of south downstream bridge abutment 150 feet upstream from recorder shelter. Elevation, 11.29 feet. No. 2 is bolt driven horizontally 18 inches above ground in 16-inch cottonwood tree 28 feet upstream from shelter and 18 feet back of south bank. Elevation, 8.64 feet. Adjustable reference point in edge of recorder shelf. Elevation, 13.69 feet.

Channel No. 2. Staff is bolted to pier and no bench marks were set.

Channel No. 3. Staff is bolted to pier and no bench marks were set.

Channel No. 4. No. 1 is bronze tablet set in top of downstream wingwall, marked U.S.G.S. 30 M 1935. Elevation, 9.83 feet. Adjustable reference point in edge of recorder shelf. Elevation, 12.27 feet.

GAGE:—Channel No. 1. Cantilever chain gage, 0-6.7 feet, 20 feet upstream, length 19.42 feet.

Channel No. 2. Staff gage, 0-3.3 feet, located at highway bridge on downstream end of first pier from south bank.

Channel No. 3. Staff gage, 0-3.3 feet, located at highway bridge on downstream end of first pier from south bank.

Channel No. 4. Staff gage, 0-3.3 feet, located at highway bridge on downstream end of first pier from south bank.

SOUTH PLATTE RIVER AT PAXTON—Concluded

RECORDER:—Stevens Type A-21 continuous recorder in galvanized iron well and shelter installed April 2, 1940. Well is attached to downstream end of first pile bent from south end of bridge.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—August 10, 1939, to September 30, 1940.

HIGHEST GAGE READING:—2.65, February 7, water year 1940.

LOWEST GAGE READING:—1.00, August 21, water year 1940.

SOUTH PLATTE RIVER AT NORTH PLATTE

LOCATION:—On concrete highway bridge, consisting of ten 50-foot spans, in Section 9, Township 13 North, Range 30 West, $\frac{3}{4}$ mile south of North Platte, Nebraska. Established June 1, 1914. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 2,798 feet above mean sea level.

DRAINAGE AREA:—24,300 square miles.

BENCH MARKS:—No. 1 is standard bronze tablet set in a 4-foot concrete post on the south bank, 35 feet back of the bank and 15 feet downstream from the gage. Elevation, 11.65 feet. Adjustable reference point set in floor of shelter. Elevation, 16.41 feet.

GAGE:—To provide for the possibility of the channel changing from one side of the stream to the other, a 16-foot staff gage was placed on each side of the river during October, 1934. Weather Bureau staff gages (0-10 foot enamel scale marked in feet and tenths of foot) were mounted on 4"x6"x10' timbers and bolted to the downstream ends of the first piers from each bank. These gages were set, and both referred to the above described bench marks and to the same elevation. Additional staff gages reading 10-16 feet were mounted on 4"x6"x6' timbers bolted to downstream sides of each abutment.

RECORDER:—Stevens Type A-30 continuous recorder installed in a galvanized metal sheathed wooden shelter mounted over a corrugated galvanized metal well attached to the downstream end of the first pier from the south end of the bridge. Installed by the United States Geological Survey on December 8, 1936.

OBSERVER:—A. W. Shilling, North Platte, Nebraska, and water commissioner during irrigation season.

RECORDS AVAILABLE:—June 1, 1914, to September 30, 1940.

OBSERVER:—Arlan Luxa, Julesburg, Colorado.

RECORDS AVAILABLE:—April, 1902, to November 14, 1906; May 12, 1908, to September 30, 1914; January 1, 1923, to September 30, 1940.

SOUTH PLATTE RIVER AT OGALLALA

LOCATION:—On highway bridge in Section 6, Township 13 North, Range 38 West, $\frac{1}{2}$ mile south of Ogallala. Established April 7, 1931. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 3,210 feet above mean sea level.

DRAINAGE AREA:—23,500 square miles.

BENCH MARKS:—No. 1 is a chisel mark on pier opposite 6-foot mark of gage. Elevation, 6.00 feet.

GAGE:—Enamel scale, 0-6.7 feet, attached to 2x6 plank fastened to downstream end of fifth pier from north end of bridge.

RECORDER:—None.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—Miscellaneous measurements, 1924 to 1936. Daily discharge during calendar year 1923, and May to September periods of 1937, 1938, and 1939.

NOTE:—Station discontinued September 30, 1939.

SOUTH PLATTE RIVER AT PAXTON

LOCATION:—On highway bridge in Section 8, Township 13 North, Range 35 West, $\frac{1}{2}$ mile south of Paxton. Established August 10, 1939. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 3,060 feet above mean sea level.

DRAINAGE AREA:—23,600 square miles.

BENCH MARKS:—No. 1 is cross chiseled on inside junction of wing and abutment walls, downstream end north abutment. Elevation, 11.92 feet. No. 2 is top of cross chiseled in concrete at outside junction of south abutment and wingwall, downstream end. Elevation, 11.96 feet.

GAGE:—Porcelain staff, 0-3.33 feet, bolted directly to steel piling on second bent from the north bank.

SOUTH PLATTE RIVER AT JULESBURG—Concluded

BENCH MARKS:—Channel No. 1. No. 1 is a standard brass tablet located between the recorder shelter and the highway. Elevation, 8.26 feet. Reference point is the slot in screw head in edge of recorder shelf. Elevation, 10.75.

Channel No. 2. No. 1 is a standard brass tablet set in concrete block located about 75 feet southeast of recorder shelter. Elevation, 6.07 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 11.35 feet. Gage lowered 1.00 foot October 2, 1940, and correction applied to all gage heights June 30, to September 30, 1940.

Channel No. 3. No. 1 is two spikes in top of piling farthest from bridge on wingwall on east side and south end of north span of bridge. Elevation, 100.00 feet. Elevation of zero of chain gage is 86.57 feet.

Channel No. 4. No 1 is standard brass tablet set in concrete block located next to the fence, and about 50 feet upstream from shelter. Elevation, 6.16 feet. Reference point is slot in screw head in edge of recorder shelf. Elevation, 8.41 feet.

GAGES:—Channel No. 1. Cantilever chain gage 4 feet upstream from shelter, 17.58 feet long.

Channel No. 2. Cantilever chain gage 17.13 feet long, 20 feet downstream from shelter. Gage lowered 1.00 foot October 2, 1940, and correction applied to all gage heights June 30, to September 30, 1940.

Channel No. 3. Chain gage on downstream side of highway bridge about 50 feet north of south end of span over channel No. 3, 17.28 feet long.

Channel No. 4. Cantilever chain gage 10 feet below shelter, 17.15 feet long.

RECORDERS:—Channel No. 1. A 6-inch Stevens Type L recorder in small wooden shelter about 300 feet downstream from highway bridge on south bank of channel No. 1.

Channel No. 2. Stevens Type A-30 continuous recorder supplied by the State of Nebraska, in wooden shelter on south bank of channel No. 2, about 500 feet downstream from highway bridge. Tape gage in well is 11.00 feet long.

Channel No. 3. No recorder.

Channel No. 4. A 6-inch Stevens Type L automatic recorder in wooden shelter on north bank of channel No. 4 about 500 feet downstream from highway bridge.

the City of North Platte, and about $4\frac{1}{2}$ miles above junction with South Platte River. Established February 25, 1895. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 2,795 feet above mean sea level.

DISTANCE FROM PATHFINDER:—422 miles.

DRAINAGE AREA:—32,000 square miles. U. S. Geological Survey.

BENCH MARKS:—No. 1 is top of nose of pier on upstream side of bridge 360 feet from south end of bridge. Elevation, 10.84 feet. No. 2 is top of end of bolt through bed plate in downstream end of south abutment. Elevation, 10.42 feet. No. 4 is cross on south end of bed plate on top of downstream end of first pier from south end of bridge. Elevation, 10.44 feet.

GAGE:—0-6.7 foot vertical staff gage fastened to the first pier from the south end of bridge on the downstream side.

RECORDER:—Stevens Type A-27 continuous recorder, in corrugated iron shelter attached to downstream side of first pier from south end of bridge. Installed by the State of Nebraska.

OBSERVER:—A. W. Shilling, North Platte.

RECORDS AVAILABLE:—February 25, 1895, to September 30, 1940.

HIGHEST GAGE READING:—3.91, March 12, water year 1939.
4.44, February 11, water year 1940

LOWEST GAGE READING:—2.29, August 22, water year 1939.
1.85, July 27, water year 1940.

SOUTH PLATTE RIVER AT JULESBURG

LOCATION:—On timber highway bridge with concrete floor, in Section 33, Township 12 North, Range 44 West, about 1 mile south of Julesburg, Colorado, on Highway No. 51. The river is divided into four channels, numbered 1, 2, 3, and 4, beginning with the south channel. During the last 8 years channel No. 2 has been the most important. Channel No. 1 is silted and carries very little water. Channels 3 and 4 are practically dry. During flood periods the four channels become one. Established April 2, 1902. Maintained by the State of Colorado, the State of Nebraska, and the United States Geological Survey.

ELEVATION:—Approximately 3,450 feet above mean sea level.

DRAINAGE AREA:—20,600 square miles.

NORTH PLATTE RIVER NEAR KEYSTONE—Concluded

BENCH MARKS:—No. 1 is the top of a rock 50 feet above the station on the south bank. Elevation, 3,115.04 feet. Zero of gage is 3,105.12 feet, sea level datum.

GAGE:—Staff gage consisting of 0-3.35 foot enamel scale attached to steel post driven in river bed near the south bank.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—July 1, 1939, to September 30, 1939; May 1, 1940, to September 30, 1940.

NORTH PLATTE RIVER AT SUTHERLAND

LOCATION:— At highway bridge in Section 4, Township 14 North, Range 33 West, 3½ miles north of Sutherland. Established April 25, 1936. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 2,930 feet above mean sea level.

DISTANCE FROM PATHFINDER:—405 miles.

DRAINAGE AREA:—31,700 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in top of a concrete post located 245 feet from north end of bridge, and 25 feet downstream from center line of road. Elevation, 9.17 feet. No. 2 is a cross chiseled in concrete ledge and painted red, at extreme north end of downstream guardrail. Ledge is about 2½ feet above bridge floor. Elevation, 15.27 feet. Adjustable reference point on floor of shelter. Elevation, 16.80 feet.

GAGE:—Outside staff gage is a 0-6.74 foot enamel scale fastened to a 2"x6"x12' board on the downstream side of pier to which well and shelter are fastened.

RECORDER:—Stevens Type A-35 recorder located at downstream end of fourth pier from the north bank, in wooden shelter. Installed April 25, 1936, by the United States Geological Survey.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—April 25, 1936, to September 30, 1940.

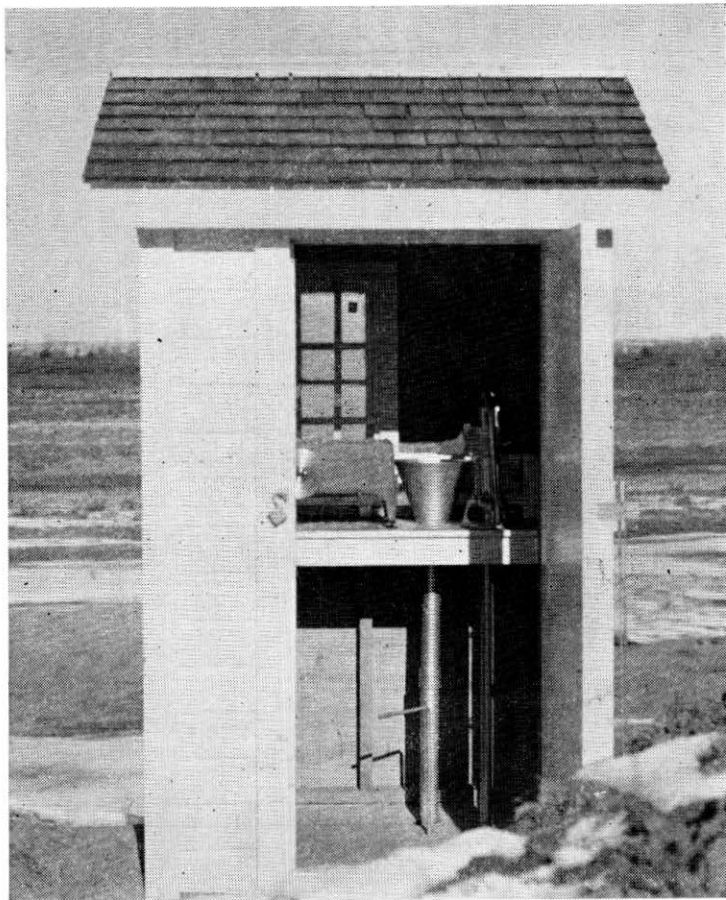
HIGHEST GAGE READING:—4.76, February 18, water year 1939.
4.96, February 11, water year 1940.

LOWEST GAGE READING:—2.65, September 7, water year 1939.
2.52, July 26, water year 1940.

NORTH PLATTE RIVER AT NORTH PLATTE

LOCATION:—Concrete highway bridge consisting of 14 spans, in Section 28, Township 14 North, Range 30 West, ½ mile north of

LOWEST GAGE READING:—0.78, May 24, water year 1939.
0.32, August 20, water year 1940.



Interior View of Recorder Shelter on the North Platte River
near Keystone

NORTH PLATTE RIVER NEAR KEYSTONE

LOCATION:—In Section 1, Township 14 North, Range 38 West, approximately 1 mile below the Sutherland reservoir supply canal diversion dam.

ELEVATION:—Approximately 3,105 feet above mean sea level.

DISTANCE FROM PATHFINDER:—388 miles

DRAINAGE AREA:—30,000 square miles.

NORTH PLATTE RIVER AT LISCO—Concluded

RECORDER:—Stevens Type A-30 continuous recorder, installed May 4, 1932, by the United States Geological Survey, in corrugated iron shelter attached to downstream end of first pier from south end of bridge.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—April 10, 1916, to October 31, 1917, and September 9, 1931, to September 30, 1940.

HIGHEST GAGE READING:—

3.06, January 11, (ice) water year 1939.

2.80, February 2, (ice) water year 1940.

LOWEST GAGE READING:—0.48, May 24, water year 1939.

0.34, August 15, water year 1940.

NORTH PLATTE RIVER AT OSHKOSH

LOCATION:—Steel truss bridge consisting of seven 98-foot spans, in Section 2, Township 16 North, Range 44 West, about $1\frac{1}{2}$ miles south of Oshkosh. Established March 1, 1928. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 3,370 feet above mean sea level.

DISTANCE FROM PATHFINDER:—348 miles.

DRAINAGE AREA:—27,500 square miles.

BENCH MARKS:—No. 1 is the top of reinforcing bar in north downstream corner of first pier from south bank. Elevation, 9.22 feet. No. 2 is the top of $\frac{5}{8}$ -inch bolt set in top of south downstream bridge seat. Elevation, 9.02 feet. Reference point is the slot in screw head set in edge of recorder shelf. Elevation, 13.20 feet.

GAGE:—Outside staff gage consisting of 0-6.7 foot enamel scale attached to pier near shelter.

RECORDER:—Stevens Type A-30 continuous recorder, installed April 23, 1933, by the United States Geological Survey, in corrugated iron shelter attached to downstream end of second pier from south bank of stream.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—April 7, 1916, to October 30, 1917, and from March 1, 1928, to September 30, 1940.

HIGHEST GAGE READING:—

3.25, January 19, (ice) water year 1939.

2.97, February 7, (ice) water year 1940.

end of bridge. Elevation, 9.02 feet. No. 3 is a cross on top of concrete abutment at south end of bridge. Elevation, 15.62 feet. No. 4 is a standard United States Coast and Geodetic Survey bench mark at rear of office of State Bureau of Irrigation. Elevation, sea level datum, 3,666.32 feet. Zero of gage is 3,656.15 feet, sea level datum. Reference point is the slot in screw head on face of recorder shelf. Elevation, 13.30 feet.

GAGE:—Outside vertical staff gage consisting of 3.3-6.7 foot enamel scale, and four 1-foot sections attached to 2x8, bolted to concrete on downstream side of south abutment of bridge.

RECORDER:—Stevens Type CA remote registering continuous recorder. Installed by Nebraska in 1937. Registering receiver is located in the State Bureau of Irrigation office building. Sender is located in a wooden shelter attached to the downstream timber wing-wall at south end of bridge.

OBSERVER:—Office engineer, and water commissioner during irrigation season.

RECORDS AVAILABLE:—From May, 1902, to 1906, and 1915, to September 30, 1940.

HIGHEST GAGE READING:—6.82, January 1, water year 1939.
6.67, January 12, water year 1940.

LOWEST GAGE READING:—4.72, August 6, water year 1939.
4.15, August 15, water year 1940.

NORTH PLATTE RIVER AT LISCO

LOCATION:—Steel highway bridge, consisting of eight 80-foot spans, in Section 33, Township 18 North, Range 46 West, $\frac{1}{2}$ mile south of Lisco. Established September 9, 1931. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 3,540 feet above mean sea level.

DISTANCE FROM PATHFINDER:—321 miles.

DRAINAGE AREA:—26,900 square miles.

BENCH MARKS:—No. 1 is a cross chiseled in concrete near corner of bridge seat at downstream end of south abutment. Elevation, 8.68 feet. No. 2 is the top of pier directly above top of staff gage. Elevation, 8.84 feet. Reference point is the slot in brass screw head in face of recorder shelf. Elevation, 12.59 feet.

GAGE:—A vertical staff gage consisting of 0-6.7 foot enamel scale attached to downstream end of first concrete pier from south end of bridge.

NINE MILE CHANNEL OF NORTH PLATTE RIVER NEAR MINATARE

LOCATION:—At highway bridge west line of Section 18, Township 21 North, Range 53 West, about 700 feet north of river bridge across main channel and $1\frac{1}{2}$ miles southwest of Minatare. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

BENCH MARKS:—No. 1 is head of $\frac{1}{4}$ -inch bolt driven horizontally in 30-inch cottonwood tree located 200 feet to left and 60 feet downstream from shelter. Elevation, 5.85 feet. No. 2 is head of $\frac{1}{4}$ -inch bolt driven horizontally in 8-inch cottonwood tree located 150 feet to right and 60 feet downstream from shelter. Elevation, 6.97 feet. No. 3 is head of 60d spike driven vertically in top of old cut-off piling located 15 feet downstream from shelter. Elevation, 5.73 feet. Adjustable reference point. Elevation, 8.77 feet.

GAGE:—Outside gage is cantilever chain gage located 5 feet upstream from shelter. Chain length, 6.63 feet. Datum is same as that of staff gage used previously located 25 feet downstream.

RECORDER:—Stevens Type E Recorder in small timber shelter located 25 feet upstream from bridge on north bank. Installed May 20, 1940, by the State of Nebraska.

OBSERVER:—Water commissioner during the irrigation season.

HIGHEST GAGE READING:—3.20, June 16, water year 1939.

3.44, March 15, water year 1940.

LOWEST GAGE READING:—0.20, May 10, water year 1939.

-0.20, June 2, water year 1940.

REMARKS:—This channel is measured separately from the flow in the North Platte River near Minatare, and added to give the combined flow passing Minatare. It has always been measured as part of flow at Minatare.

NORTH PLATTE RIVER AT BRIDGEPORT

LOCATION:—At concrete highway bridge, consisting of 23 spans of 30 feet clear waterway, in Section 28, Township 20 North, Range 50 West, $\frac{1}{2}$ mile north of Bridgeport. Established in May, 1902. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—3,656.15 feet above mean sea level.

DISTANCE FROM PATHFINDER:—293 mi'es.

DRAINAGE AREA:—25,300 square miles.

BENCH MARKS:—No. 2 is the head of two spikes driven horizontally in tree stump 16 feet downstream from station 38, at south

RECORDER:—Stevens Type A-27 continuous recorder in wooden shelter, 40 feet downstream from south end of bridge. Installed in October, 1927, by the State of Nebraska.

OBSERVER:—Water commissioner during the irrigation season.

RECORDS AVAILABLE:—From June 2, 1901, to July 10, 1913, and April 18, 1916, to September 30, 1940.

HIGHEST GAGE READING:—1.82, October 11, water year 1939.
2.38, June 6, water year 1940.

LOWEST GAGE READING:—0.67, August 26, water year 1939.
0.47, July 14, water year 1940.

NORTH PLATTE RIVER AT MINATARE

LOCATION:—In Section 13, Township 21 North, Range 54 West, 250 feet above highway bridge, $1\frac{3}{4}$ miles southwest of Minatare. Established in May, 1916. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 3,820 feet above mean sea level.

DISTANCE FROM PATHFINDER:—270 miles.

DRAINAGE AREA:—24,700 square miles.

BENCH MARKS:—No. 1 is a cross chiseled in concrete near corner of bridge ledge about 1 foot above floor level on upstream side and at end of north abutment wingwall. Elevation, 11.12 feet. No. 2 is a standard tablet in concrete post, 23 feet downstream from bridge, at station 78. Elevation, 3.69 feet. Adjustable reference point in edge of recorder shelf. Elevation, 9.70 feet.

GAGE:—Outside gage is a 0-3.3 foot enamel scale, 10 feet downstream, fastened to 2x8 timber driven into bed of stream and spiked securely to large log. Datum is 0.46 foot higher than that used previously.

RECORDER:—Stevens Type A-30 continuous recorder in standard timber shelter on north bank of stream. Installed July 21, 1936, by the United States Geological Survey.

OBSERVER:—Water commissioner during the irrigation season.

RECORDS AVAILABLE:—May, 1916, to September 30, 1940, with the exception of the year 1920.

HIGHEST GAGE READING:—1.76, June 16, water year 1939.
2.12, January 29, water year 1940.

LOWEST GAGE READING:—0.06, August 18, water year 1939.
-0.48, August 15, water year 1940.

**NORTH PLATTE RIVER AT WYOMING-NEBRASKA LINE
HENRY, NEBRASKA—Concluded**

States Geological Survey under a cooperative agreement. Measurements made by wading or from cable at recorder shelter.

ELEVATION:—Approximately 4,035 feet above mean sea level.

DISTANCE FROM PATHFINDER:—240 miles

DRAINAGE AREA:—22,100 square miles.

BENCH MARKS:—No. 1 is the top of bolt in concrete on top of cable anchorage on south bank. Elevation, 5.04 feet. No. 2 is a standard tablet set in concrete post 25 feet northeast of shelter on north bank. Elevation, 4.84 feet. Adjustable reference point in edge of recorder shelf. Elevation, 9.52 feet.

GAGE:—Outside gage is boxed cantilever chain gage on north bank just below shelter. Chain length, 17.08 feet. This gage changed to north bank April 16, 1932.

RECORDER:—Stevens Type A-27 continuous recorder in shelter on north bank. Installed April 16, 1932, by the State of Nebraska.

OBSERVER:—Water commissioner during the irrigation season.

RECORDS AVAILABLE:—May 1, 1929, to September 30, 1940.

HIGHEST GAGE READING:—2.34, June 1, water year 1939.
2.95, June 5, water year 1940.

LOWEST GAGE READING:—0.56, May 4, water year 1939.
0.81, August 24, water year 1940.

NORTH PLATTE RIVER AT MITCHELL

LOCATION:—Highway bridge near the southwest corner of Section 27, Township 23 North, Range 56 West, $\frac{3}{4}$ mile south of Mitchell and 14 miles downstream from the Wyoming-Nebraska Line. Established June 2, 1901. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 3,945 feet above mean sea level.

DISTANCE FROM PATHFINDER:—253 miles.

DRAINAGE AREA:—24,300 square miles.

BENCH MARKS:—No. 1 is a cross chiseled in concrete near corner of ledge at approximately road level on downstream side and at end of south downstream wingwall. Elevation, 12.39 feet. No. 2 is top of $\frac{1}{2}$ -inch, round, steel reinforcing rod driven in blazed tree at about a 75-degree angle in north tree of clump of four trees located 250 feet southwest of shelter. Elevation, 8.58 feet.

GAGE:—Outside staff gage, installed May 10, 1935, consisting of 0-6.7 foot enamel scale attached to a 4x6 fastened to downstream side of first pier from south end of bridge with three $\frac{1}{2}$ -inch bolts set in cement grout. Gage datum lowered 1.00 foot May 8, 1936.

RECORDS AVAILABLE:—April 16, 1938, to September 30, 1940.

REMARKS:—Discharge records obtained by subtracting flow of Interstate and Fort Laramie Canals from Guernsey Reservoir Outflow prior to the establishment of this station.

NORTH PLATTE RIVER AT TORRINGTON, WYOMING

LOCATION:—At concrete highway bridge in Section 15, Township 24 North, Range 61 West, $\frac{1}{2}$ mile south of Torrington, and about 25 miles below mouth of Laramie River. Established April 1, 1926, by the State of Nebraska. Maintained by the State of Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 4,180 feet above mean sea level.

DISTANCE FROM PATHFINDER:—230 miles.

DRAINAGE AREA:—21,700 square miles.

BENCH MARKS:—No. 1 is a cross chiseled in concrete on downstream handrail 12 feet from south abutment. Elevation, 18.12 feet. No. 2 is the heads of two spikes driven horizontally in blaze 0.5 foot above the base of a 12-inch cottonwood tree, 30 feet to the south and 80 feet downstream from south end of bridge. Elevation, 7.70 feet. No. 3 is a standard tablet in concrete post 130 feet below downstream concrete handrail and opposite station 60, also 73 feet north of northwest corner of swimming pool. Elevation, 6.76 feet.

GAGE:—Outside staff is a 0-6.7 foot enamel scale on 2x6 fastened to wingwall about 3 feet from gage well, and installed June 24, 1935.

RECORDER:—A Stevens Type A-21 continuous recorder, installed April, 1932, by the State of Nebraska, in wooden shelter with corrugated iron well attached to downstream wingwall at south end of bridge.

OBSERVER:— W. L. Joiner, Torrington, Wyoming.

RECORDS AVAILABLE:—April 1, 1926, to November 30, 1939.

HIGHEST GAGE READING:—1.08, May 28, water year 1939.

LOWEST GAGE READING:—0.11, May 3, water year 1939.

NOTE:—Station discontinued November 30, 1939.

NORTH PLATTE RIVER AT WYOMING-NEBRASKA LINE HENRY, NEBRASKA

LOCATION:—In the NE $\frac{1}{4}$ of Section 10, Township 23 North, Range 60 West, $\frac{1}{4}$ mile above the Wyoming-Nebraska State Line, about 500 feet below the headgate of the Mitchell Canal. Established April 29, 1929. Maintained by Nebraska, Wyoming, and the United

NORTH PLATTE RIVER BELOW GUERNSEY DAM, WYOMING

LOCATION:—In Section 35, Township 27 North, Range 66 West, $\frac{3}{4}$ of a mile below Guernsey Dam and 1 mile northwest of Guernsey. Discharge measurements are made from a cable located about 100 yards below the recorder. Maintained by the United States Bureau of Reclamation.

ELEVATION:—4,430 feet above mean sea level.

DISTANCE FROM PATHFINDER RESERVOIR:—192 miles.

DRAINAGE AREA:—16,200 square miles.

GAGE:—Slope gage on river bank.

RECORDER:—Stevens Type E automatic recorder installed by the United States Bureau of Reclamation on the south bank of the river.

OBSERVER:—Observations made and discharges furnished by the United States Bureau of Reclamation.

RECORDS AVAILABLE:—October 1, 1927, to September 30, 1940.

NORTH PLATTE RIVER BELOW WHALEN, WYOMING

LOCATION:—In the SW $\frac{1}{4}$ of Section 12, Township 26 North, Range 65 West, $2\frac{1}{4}$ miles below Whalen Dam. Established April 16, 1938. Maintained by Wyoming, United States Geological Survey, and the United States Bureau of Reclamation under a cooperative agreement.

ELEVATION:—Approximately 4,250 feet above mean sea level.

DISTANCE FROM PATHFINDER:—200 miles.

DRAINAGE AREA:—16,300 square miles.

BENCH MARKS:—No. 1 is standard tablet set in concrete block, located 30 feet upstream and in line with front of shelter. Elevation, 8.96 feet. No. 2 is standard tablet in concrete block located 32 feet southeast of shelter on side of second bank. Elevation, 11.38 feet.

GAGE:—Cantilever chain gage, scale 0-10.1, located 11 feet downstream. Adjustable reference point in edge of recorder shelf. Elevation, 11.35 feet.

RECORDER:—A Stevens Type A-35 recorder in small timber shelter on north bank $\frac{1}{2}$ mile below the sand sluice on the Interstate Canal.

OBSERVER:—Employees of the United States Bureau of Reclamation.

DESCRIPTIONS OF GAGING STATIONS**NORTH PLATTE RIVER BELOW PATHFINDER DAM, WYOMING**

LOCATION:—In Section 24, Township 29 North, Range 84 West. Discharge measurements made from a cable located about 25 yards above the recorder shelter. Maintained by the United States Bureau of Reclamation.

ELEVATION:—Approximately 5,650 feet above mean sea level.

DISTANCE FROM RESERVOIR:—About $\frac{1}{4}$ mile below dam.

DRAINAGE AREA:—10,700 square miles.

CHANNEL:—200 feet wide with rock bottom.

GAGE:—A chain gage located just above the recorder shelter.

RECORDER:—Stevens Type E automatic recorder installed by the United States Bureau of Reclamation in 1932 on the north bank of the river.

OBSERVER:—Observations made and discharges furnished by the United States Bureau of Reclamation.

RECORDS AVAILABLE:—May 1, 1905, to September 30, 1940.

NORTH PLATTE RIVER BELOW ALCOVA DAM, WYOMING

LOCATION:—In Section 19, Township 30 North, Range 82 West. Discharge measurements made from a cable located about 10 yards above the recorder shelter. Maintained by the United States Bureau of Reclamation.

ELEVATION:—Approximately 5,330 feet above mean sea level.

DISTANCE FROM RESERVOIR:—About $\frac{1}{4}$ mile below dam.

DRAINAGE AREA:—10,720 square miles.

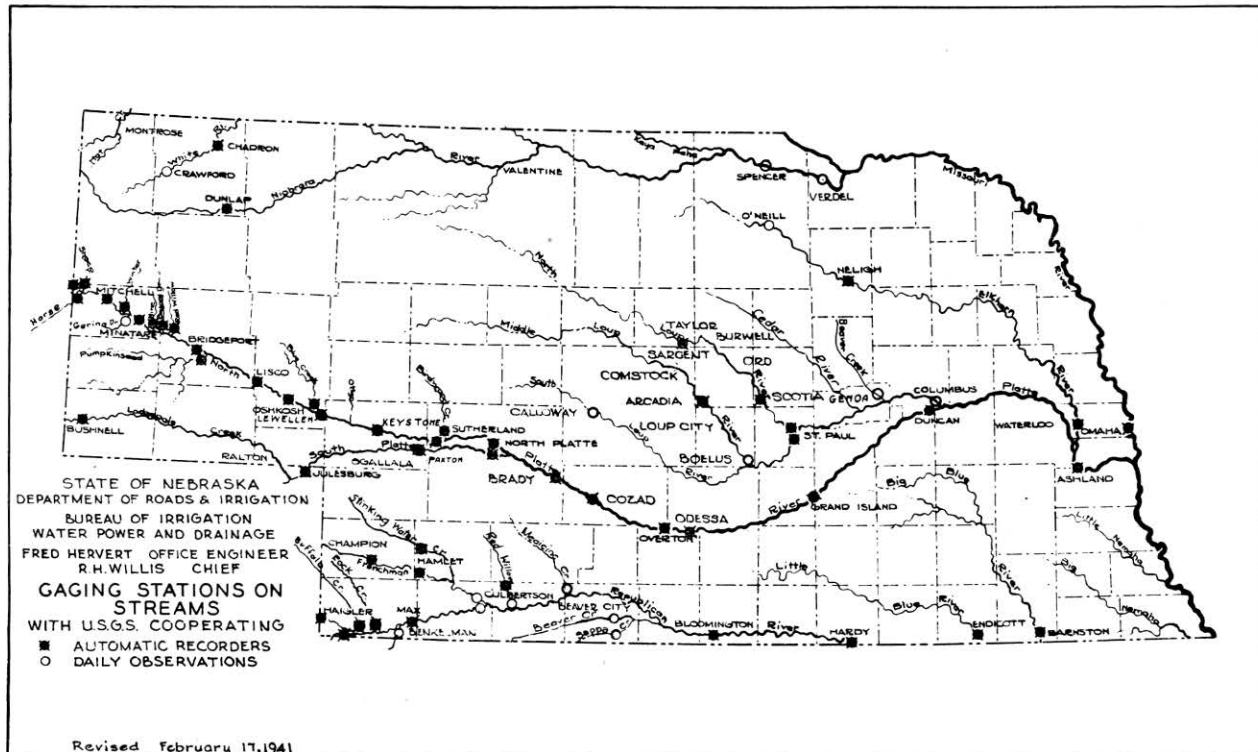
CHANNEL:—300 feet wide with gravel bottom.

GAGES:—Vertical staff about 15 yards from bank at recorder shelter. Vertical staff in stilling well. Tape hook gage in stilling well.

RECORDER:—Stevens Type E automatic recorder installed by the United States Bureau of Reclamation on the south bank of the river.

OBSERVER:—Observations made and discharges furnished by the United States Bureau of Reclamation.

RECORDS AVAILABLE:—October 1, 1936, to September 30, 1940.



**DIVISION OF
HYDROGRAPHY AND SURVEYS**

here to the rule that a default must exist when the writ is applied for, to properly invoke the extraordinary writ of mandamus. The administration of the waters of the stream must be in accordance with the law announced in this opinion. The administrator testifies to his willingness to so administer the stream and, in fact, contends that he has so administered it. We doubt not that he will endeavor to so administer it in the future. That the application for a writ of mandamus in case of default of duty on the part of respondents is the correct remedy cannot be questioned. The pleadings and evidence, however, fail to disclose a default of any ministerial duty on the part of respondents at the time the writ was applied for. In addition thereto, respondents indicate a willingness to administer the waters of the stream in accordance with established law. A writ of mandamus requiring the respondents to enforce all the irrigation laws and appropriation rights of relators is too general in character to invoke coercive processes and subject respondents to summary proceedings for a violation thereof. The issuance of the writ is subject to the sound judicial discretion of the court. After a consideration of the pleadings, the evidence, and all the circumstances surrounding the case, we think the trial court was justified in the exercise of such discretion in denying the writ prayed for. We likewise believe that the action will accomplish the desired end without the issuance of the writ at the time and in the form in which it was asked. We therefore hold that the district court did not err in denying the writ.

AFFIRMED.

on this subject requires our holding that none of the appropriation rights of the Central Power Company bearing the priority date of September 10, 1882, has been lost by waiver or abandonment.

The law imposes on the administrative officials of the state the duty to administer the water of the stream, as heretofore mentioned. The chief administrative officer, R. H. Willis, testifies that he has so attempted to administer the waters of the stream. The petition points out no specific administrative act which relators desire to have performed. The evidence does show that in the summer of 1937 a large quantity of water passed the state line as a result of heavy rains and floods in Wyoming. That this water should have reached the Kearney canal and provided water at a critical period cannot be denied. Relators complain that they never received any of this water. The water administrator testifies that the failure to deliver some of the water to the Kearney canal was due to incorrect advices as to the amount of water passing the state line, and to mistaken judgment in estimating the losses from the state line to the Kearney canal. Clearly, relators should have received 162 second-feet of water from these flood waters, which they did not receive. That they failed to obtain it because of an error of judgment is not controverted by evidence, although relators claim the failure was due to the continuation of a long-existing unlawful practice. In any event, the water administrator concedes that the water should have been delivered and that he intended it to be delivered.

The record shows that the petition of relators was filed on January 29, 1938, after the close of the irrigation season. Consequently, we fail to see how respondents could at that time be in default of an administrative duty imposed upon them by law. All alleged defaults occurred long before the petition was filed. The correct rule in this state is: "To warrant the issue of mandamus against an officer to compel him to act, (1) the duty must be imposed upon him by law, (2) the duty must still exist at the time the writ is applied for, and (3) the duty to act must be clear." *State v. Barstler*, 122 Neb. 167, 240 N. W. 273. Relators contend that it was impossible to commence the suit at the time of the actual default because of the limited time for preparation. While it is true that relators probably were unable to make preparation for trial during the period of default, we fail to see how this would excuse the timely commencement of the action. We doubt not that, if a default had existed at the time the writ of mandamus was applied for, the court would have jurisdiction to determine relators' right to it even if the default no longer existed when the case came on for trial. Neither do we doubt the right of the court, if default exists, to issue the writ of mandamus and make it effective as to the performance of similar duties in the future. Any other rule would require the courts to administer justice piecemeal. But we are obliged to ad-

tities of water would clothe such officers with a discretion incompatible with the vested interests of the relators, and destroy the very purpose of the doctrine of appropriation existent in this state. When upstream appropriators applied for and received adjudicated priorities, they did so with the knowledge that there was an earlier appropriator at the lower end of the stream whose rights had to be recognized. When the relators applied for and received their adjudications, they are likewise presumed to have known that other appropriators would obtain inferior rights above them that would have to be recognized. Each is required to respect the vested rights of the others, even though some hardships may be thereby imposed. We therefore hold that the doctrine of reasonable use does not extend so far as to authorize the administrator of the waters of the stream to refrain from delivering a usable quantity of water to a senior appropriator because it might appear to him that excessive losses would result. The duty of the administrator, in administering the waters of the stream by virtue of the police power of the state, is to enforce existing priorities, not to determine, change or amend them. But in regulating the distribution of water it may become incidentally necessary for him to ascertain for that purpose only whether a prior appropriator is injured by a diversion above him. This finding of fact must be made, not to change existing priorities, but in order to determine whether or not a distribution of water may be made to a junior appropriator in accordance with existing priorities.

It appears that, during the irrigation season of 1925 and following, water belonging to irrigators under the Kearney canal was diverted through the Dawson county canal into the Kearney canal by way of Buffalo creek in order to avoid the large losses that would have been sustained by using the river channel. These diversions were not objected to by the Central Power Company and were consented to by the water users under the Kearney canal. The contention is advanced that the Central Power Company thereby waived its power right. We fail to find any merit in this contention. The diversion by way of the Dawson County Canal seems to have been made as an emergency measure and as a means of averting exceptional losses. No water for power purposes was ever routed through the Dawson county canal; in fact, this route did not have the capacity to carry water to which the Central Power Company was entitled under its first appropriation for power purposes. While it is true that diversions were made through the Dawson County canal when there was water in the river at the headgate of the Kearney canal, we fail to find any of the elements of a waiver on the part of the Central Power Company as to its appropriation for power. The Central Power Company has in fact been objecting to these diversions for several years last past and has insisted upon all deliveries being made by the river channel. An examination of the evidence

fore discussed, whether or not a usable quantity of water can be delivered at the headgate of the Kearney canal. It necessarily follows that this finding of fact must be determined in the first instance by the officers charged with the administration of the stream. The finding of fact thus made is final unless it appears that it was unreasonable or arbitrarily made. The determination of the facts is an administrative function, and an order or course of conduct based thereon raises only the question whether the administrator was supported in his finding by evidence indicating his action was not unreasonable or arbitrary. The rule is that where the action of the administrative officer of the state is not unreasonable or arbitrary, and does not exceed the duties and powers imposed, this court will not interfere with the findings of fact so made because to that extent they involve an administrative, as distinguished from a judicial, function. The necessity of prompt, efficient and fair administration of the waters of a stream in a territory where irrigation is practiced has been demonstrated on many occasions. Such administration requires the exercise of judgment, experience, training, and statistical knowledge. The factors to be considered are numerous and intricate. Unless such findings be promptly made, it is ordinarily not necessary that they be made at all. The very necessities of the case require that the findings of the administrator be final unless shown to be unreasonable and arbitrary.

After determination that a given quantity of water passing a certain point on the river would not, even if uninterrupted, reach the headgate of the Kearney canal in usable quantities, the administrative officers of the state may lawfully permit junior appropriators to divert it for irrigation purposes. This results oftentimes in having junior appropriators receiving a head of water at a time when an appropriator farther downstream is getting none, though he is prior in time. Such situations are not therefore conclusive evidence of unlawful diversions.

Respondents urge that the doctrine of reasonable use is in force in this state and that it should be applied to the case at bar. We recognize the principle that the public has an interest in the public waters of the state and it is the use thereof only that may be appropriated. Even though an adjudicated appropriation may be vested, it may be subjected to regulation and control by the state by virtue of its police power. It may likewise be circumscribed to the extent that a limited diversion for a specified purpose will not permit of an undue interference with the rights of other appropriators on the stream. But we cannot agree that the doctrine of reasonable use can be applied in a case where delivery of a usable quantity of water can be made, although the losses suffered in so doing are great. To permit the officers of the state the right to say whether prospective losses would or would not justify the delivery of usable quan-

ing orders issued by the courts, errors of judgment by the administrator and his subordinates, dilatory compliance with closing orders, and inaccurate reports of rains, floods and weather conditions generally. All of the factors hereinbefore mentioned contribute to the uncertainty of an efficient and accurate distribution of water in accordance with adjudicated appropriations in the order of their priority.

The use of water for irrigation in this state is a natural want. The inadequacy of supply to meet the demands of the public requires strict administration to prevent waste. It is therefore the policy of the law that junior appropriators may use available water within the limits of their own appropriations so long as the rights of senior appropriators are not injured or damaged. And so, in the instant case, junior appropriators may lawfully apply water to their lands within the limits of their adjudicated appropriations until the Kearney canal fails to receive its full appropriation of 162 second-feet. Until the senior appropriator is injured, there is the ever-present possibility of changed weather conditions, precipitation, or other sources of water supply which might alleviate the situation and supply the needs of the Kearney canal. To pursue any other rule would greatly add to the loss by waste of the public waters of this state. We conclude therefore that the use of water by a junior appropriator does not become adverse to or injure a senior appropriator until it results in a deprivation of his allotted amount, or some part thereof. This rule is supported, we think, by our decisions as well as the decisions of other states.

The real question to be decided, however, is the determination of the duty imposed upon the officers of the state in administering the waters of the stream when the available supply of water at the headgate of the Kearney canal is reduced to an amount less than the 162 second-feet to which the relators are entitled. The rights of relators to the use of this water as against all appropriators subsequent to September 10, 1882, cannot be questioned. It is the duty of the administrative officers of the state to recognize this right and to give force to relators' priority. This requires that junior appropriators be restrained from taking water from the stream so long as such water can be delivered in usable quantities at the headgate of the Kearney canal. If it appear that all the available water in the stream would be lost before its arrival at the headgate of the Kearney canal, it would, of course, be an unjustified waste of water to attempt delivery. Whether a definite quantity of water passing a given point on the stream would, if not diverted or interrupted in its course, reach the headgate of the Kearney canal in a usable quantity creates a very complicated question of fact. It therefore is the duty of the administrative officers of the state to determine from all available means, including the factors hereinbe-

in July and August before irrigation was generally practiced along the river. That the river is generally considered a gaining stream, and can be so established by an examination of the statistical records of the mean flow for the calendar year, is borne out by the record. But it is just as clearly shown that the river is ordinarily a losing stream during the months of July and August, when the mean flow for that period is considered. These conditions and activities establish the cause of the huge losses of water between Gothenburg and the Kearney canal. They are important only as factors that must be considered by the officers of the state in distributing an insufficient supply of water to appropriators in the proper order of priority.

Appropriations of water are made throughout the length of the river. The priority dates of these appropriations have no relation whatever to their location on the stream. Hence, very early appropriations may be found at the upper and lower ends of the stream, while very late appropriations are likewise found at both ends. In times of water shortage, the later appropriators are the first to be deprived of water. The closing of canals in accordance with the inverse order of their priority dates necessarily requires certain canals to close their headgates all along the stream at the same time. Water moves down the stream at approximately 25 miles per day with the result that it requires approximately ten days to deliver water from the state line to the Kearney headgate under normal conditions. The resulting lag therefore becomes an important factor to be considered. During the lag period, conditions over which the administrator of the river has no control may change or disrupt all calculations. Excessive heat, continued drouth, and unusual winds may greatly reduce estimated quantities of river-flow, or, on the other hand, low temperatures, rains and floods in the lower river basin may relieve immediate demands. These elements of uncertainty must be considered in protecting the rights of all on the stream. The position of realtors at the lower end of the stream is in itself a recognized condition, and while they have the second oldest priority on the river, it is inescapable that their location subjects them to unfavorable conditions which are practically impossible to eliminate.

It must also be borne in mind that the amount of flow in the river at any given time during the irrigation season is nothing more than an estimate based on spot measurements. Accurate figures are not obtainable until several weeks after the immediate problem has been determined. The best available basis for the determination of the facts therefore is often very uncertain. The effect of the use of the river as a carrier of storage water also enters into the calculations. The best estimates of the administrator are often affected by unlawful diversions by junior appropriators, injunctions and restrain-

This is a University of Nebraska bench mark. No. 3 is top of downstream bolt set in concrete block, 4 feet deep, located 60 feet directly in front of pier on south bank. Elevation, 12.30 feet. No. 4 is a spike in stream side of a maple tree along fence 56 feet downstream from catwalk anchorage. Elevation, 7.16 feet. Adjustable reference point is in edge of recorder shelf. Elevation, 16.25 feet.

GAGE:—Staff gage attached to downstream side of pier. Zero of gage elevation 1,020.1 feet above mean sea level.

RECORDER:—Stevens A-30 recorder in corrugated iron shelter of standard design and well 24 inches in diameter fastened to stream side of upstream one of two cylindrical piers about 50 feet from north bank.

OBSERVER:—Richard W. Reim, caretaker.

RECORDS AVAILABLE:—August, 1928, to September 30, 1940.

ARIKAREE RIVER NEAR HAIGLER

LOCATION:—In Section 28, Township 1 North, Range 41 West. Established March 3, 1932. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,600 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post $4\frac{1}{2}$ feet deep located 43 feet south from south bank and 53 feet upstream from east end of railroad bridge. Elevation, 13.02 feet. No. 2 is standard bronze tablet set in $3\frac{1}{2}$ -inch concrete-filled pipe, 6 feet long, located 9 feet downstream and 14 feet in front of downstream edge of shelter. Elevation, 9.70 feet. Adjustable reference point in edge of recorder shelf. Elevation, 12.61 feet. Datum of gage elevation, 3,243.45 feet above mean sea level.

GAGE:—Cantilever chain gage (0-10.1) located 18 feet downstream from shelter. Chain length, 19.26 feet.

RECORDER:—Stevens Type A-35 recorder installed in standard timber shelter by the United States Geological Survey November 21, 1938. Shelter is located on south bank 120 feet downstream from railroad bridge.

OBSERVER:—Gustave Gall, caretaker.

RECORDS AVAILABLE:—March, 1932, to September 30, 1940.

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD

LOCATION:—Southwest corner of Section 4, Township 20 North, Range 52 West. Established January 29, 1932. Maintained by Neb-

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Concluded

raska and the United States Geological Survey under a cooperative agreement.

BENCH MARKS:—No. 1 is cross in top of concrete wingwall directly above gage. Elevation, 5.48 feet. No. 2 is standard bronze tablet in concrete post set 7 feet in ground, 40 feet to the west and 10 feet upstream from shelter. Elevation, 6.02 feet. Adjustable reference point is in edge of recorder shelf. Elevation, 8.55 feet.

GAGE:—Outside gage consists of 0-3.3 foot enamel scale fastened to west upstream wingwall of flume over abandoned Alliance Canal siphon.

RECORDER:—Stevens Type A-35 recorder installed in small timber shelter January 7, 1939

OBSERVER:—Water commissioner during the irrigation season.

RECORDS AVAILABLE:—October, 1931, to September 30, 1940.

BEAVER CREEK NEAR BEAVER CITY

LOCATION:—In Section 23, Township 2 North, Range 23 West, at bridge on State Highway No. 21, 3½ miles west of Beaver City. Established May 18, 1937. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,940 square miles.

BENCH MARKS:—No. 1 is cross chiseled on north downstream bridge seat. Elevation, 12.24 feet. No. 2 is spike in stream side of telephone pole on south downstream bank. Elevation, 11.42 feet.

GAGE:—Chain gage on downstream side of upper chord of pony-truss bridge, scale 0-10.1 feet. Chain length, 19.63 feet.

OBSERVATIONS:—Made twice daily by P. C. Smith.

RECORDS AVAILABLE:—From May 1, 1937, to September 30, 1940.

BIRDWOOD CREEK NEAR HERSHEY

LOCATION:—In Section 2, Township 14 North, Range 33 West. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—286 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet in 4-foot concrete post located 9 feet downstream and 3 feet to the east of the

recorder shelter. Elevation 8.78 feet. Adjustable reference point in 2x4 block nailed to recorder shelf. Elevation, 12.18 feet.

GAGE:—Vertical staff, scale 0-6.7 feet, located at downstream end of west abutment.

RECORDER:—Stevens Type E recorder in small timber shelter at east bank, 14 feet back of east abutment and 9 feet downstream from bridge. Installed December 17, 1934, by the United States Geological Survey.

OBSERVER:—Mrs. Mabel H. Welsh, caretaker.

RECORDS AVAILABLE:—January, 1922, to September 30, 1940.

BLUE CREEK NEAR LEWELLEN

LOCATION:—North line of Section 30, Township 16 North, Range 42 West. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—267 square miles.

BENCH MARKS:—No. 1 is top of $\frac{3}{8}$ -inch bolt driven horizontally in 18-inch cottonwood located 12 feet upstream from east end of bridge and 8 feet back from east bank. Elevation, 4.60 feet. No. 2 is bronze tablet set in concrete, 60 feet east of shelter. Elevation, 4.31 feet. No. 3 is top of 20d spike driven horizontally in 10-inch blaze on south side of tree 4 feet above ground, same tree as B.M. No. 1. Elevation, 8.50 feet. Adjustable reference point on recorder shelf. Elevation, 7.43 feet.

GAGE:—Cantilever chain gage is fastened to the upstream side of the shelter. Chain length, 8.97 feet.

RECORDER:—Stevens Type E recorder in small timber shelter installed by the United States Geological Survey June, 1934. Shelter located at east bank 60 feet below bridge.

OBSERVER:—Water commissioner from May 1, to September 30; Carl Rohlfing, caretaker, October 1, to April 30.

RECORDS AVAILABLE:—January, 1921, to September 30, 1940.

BLUE RIVER, BIG, AT BARNSTON

LOCATION:—In Section 13, Township 1 North, Range 7 East. Established April 7, 1931, daily observations began May 14, 1932. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—4,350 square miles.

BLUE RIVER, BIG, AT BARNSTON—Concluded

BENCH MARKS:—No. 1 is the fourth rivet (marked with chisel) from downstream end in cross brace between east cylinder piers. Elevation, 19.72 feet. No. 2 is the top of $\frac{3}{8}$ -inch bolt driven in downstream side of 20-inch maple on east bank, 60 feet downstream from bridge, and 30 feet back from bank. Elevation, 19.51 feet. No. 3 is a standard United States Geological Survey bronze tablet set in concrete post, 40 feet downstream from rear edge of shelter. Elevation, 18.47 feet.

GAGE:—Chain gage fastened to downstream truss of highway bridge just below the shelter. Chain length, 39.84 feet. Inside gage is electrical tape. Zero elevation of tape is 25.0 feet.

RECORDER:—Stevens Type A-30 installed in standard wooden shelter May 14, 1932.

OBSERVER:— Robert Cornett, caretaker.

RECORDS AVAILABLE:—May, 1932, to September 30, 1940.

BLUE RIVER, LITTLE, AT ENDICOTT

LOCATION:—In Section 5, Township 1 North, Range 3 East. Established April 26, 1929, by the United States Geological Survey. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—2,590 square miles.

BENCH MARKS:—No. 1 is two spikes driven horizontally in large cottonwood tree at beginning of east approach 25 feet south of road. Elevation, 9.01 feet. No. 2 is a bronze tablet set in concrete post 20 feet in front and 5 feet downstream from shelter. Elevation, 10.54 feet. The gage datum was lowered 1.00 foot June 20, 1934. Referred to inside tape gage, reference point for which is slot in screw in recorder shelf. Elevation, 18.57 feet.

GAGE:—Chain gage fastened to downstream guardrail of highway bridge. Chain length, 16.21 feet.

RECORDER:—Stevens Type A-35 recorder in standard wooden shelter installed July 18, 1935.

OBSERVER:—Lewis Kasperek, caretaker.

RECORDS AVAILABLE:—April, 1929, to September 30, 1940.

ELKHORN RIVER AT NELIGH

LOCATION:—In Section 20, Township 25 North, Range 6 West. Established March 5, 1931, by Nebraska. Maintained by Nebraska

and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,740 square miles.

BENCH MARKS:—No. 3 is standard bronze tablet in top of concrete post on the west bank 33 feet downstream from bridge and 11 feet from concrete retaining wall. Elevation, 16.68 feet. No. 4 is two spikes driven in tree on the east bank 45 feet downstream from shelter and facing stream. Elevation, 8.75 feet. Adjustable reference point in edge of recorder shelf. Elevation, 13.69 feet.

GAGE:—Chain gage fastened on 2x6 bolted to bridge handrail. Chain length, 23.38 feet.

RECORDER:—Au Fuzee continuous recorder in standard timber shelter installed January 24, 1939, located 10 feet downstream from chain gage used previously.

OBSERVER:—Louie Nelson, caretaker.

RECORDS AVAILABLE:—March, 1931, to September 30, 1940.

ELKHORN RIVER AT WATERLOO

LOCATION:—In Section 21, Township 16 North, Range 10 East, 3½ miles north of Waterloo. Can be reached by driving ¾ mile west of Waterloo on U. S. Highway 275, then 2 miles north on county road to Todd's Lake, then ¾ mile east to Elkhorn River. Established in Section 10, Township 15, Range 10 East, August 18, 1928, and moved to present location July 2, 1940.

ELEVATION:—1,110.1 feet above mean sea level.

DRAINAGE AREA:—6,390 square miles.

BENCH MARKS:—No. 1 is standard bronze tablet set in 4.5-foot concrete post 15 feet in front of shelter and 12 feet downstream. Elevation, 13.22 feet. No. 2 is ½x6-inch bolt set 2 feet above ground in the downstream side of 48-inch forked elm tree, 65 feet in front of shelter. Elevation, 15.74 feet. Adjustable reference point in edge of recorder shelf. Elevation, 15.40 feet.

RECORDER:—Stevens Type A-35 in standard timber shelter installed by the United States Geological Survey, 100 feet downstream from highway bridge.

OBSERVER:—W. W. Todd, caretaker.

RECORDS AVAILABLE:—March, 1931, to September 30, 1940.

FRENCHMAN RIVER ABOVE CHAMPION

LOCATION:—Section 19, Township 6 North, Range 39 West. Established July 23-28, 1932. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,020 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post, 28 feet downstream from gage shelter, 25 feet back of north bank. Elevation, 6.00 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 11.84 feet.

RECORDER:—Stevens Type A-30 recorder in small wooden shelter on north bank, about 100 yards downstream from highway. Installed by the United States Geological Survey.

OBSERVATIONS:—Engineer's Cooperative Survey.

RECORDS AVAILABLE:—January, 1924, to June 7, 1940.

REMARKS:—Recorder shelter washed away by flood of June 7, 1940. Station discontinued on that date.

FRENCHMAN RIVER BELOW CHAMPION

LOCATION:—In SW $\frac{1}{4}$ of Section 22, Township 6 North, Range 39 West. Established March 2, 1935. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,020 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post in line with cantilever posts and 18 feet back of front post. Elevation, 6.68 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 7.62 feet.

GAGE:—Cantilever chain gage 4 feet downstream from gage house. Chain length, 15.82 feet.

RECORDER:—Stevens Type E recorder was replaced with Stevens Type A-30 recorder on July 15, 1940.

OBSERVER:—Frank Silvester, caretaker.

RECORDS AVAILABLE:—March 2, 1935, to September 30, 1940.

FRENCHMAN RIVER NEAR HAMLET

LOCATION:—In Section 30, Township 5 North, Range 34 West. This station was washed out on June 8, 1940, and a new installation was made on July 16, 1940, in Section 29, Township 5 North, Range

34 West. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Zero of gage is 2,796.77 feet above mean sea level.

DRAINAGE AREA:—1,420 square miles.

BENCH MARKS:—No. 1 is top of 10-inch bolt set in 5-foot concrete post located 16 feet back of shelter and in line with the upstream edge of shelter. Elevation, 9.87 feet. Adjustable reference point on edge of recorder shelf. Elevation, 12.07 feet. No. 2 standard tablet in concrete post about 25 feet from east bank and 67 feet from southeast abutment on bridge, U. S. Highway No. 6, at the original station location. Elevation, 2,806.22 feet above mean sea level.

GAGE:—Consists of staff, scale 0-6.7 feet, fastened to downstream side of south bridge abutment.

RECORDER:—A Stevens Type A-30 recorder in standard timber shelter over 36-inch corrugated iron stilling well.

OBSERVER:—Everett T. Cox, caretaker.

RECORDS AVAILABLE:—April, 1929, to September 30, 1940.

FRENCHMAN RIVER AT CULBERTSON

LOCATION:—In Section 17, Township 3 North, Range 31 West. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—2,561.93 feet above mean sea level.

DRAINAGE AREA:—2,800 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post 5½ feet deep, located 65 feet from south bank and 22 feet downstream from the gage. Elevation, 6.29 feet.

GAGE:—Vertical staff, scale 0-3.3 feet, attached to downstream pile of fifth bent from south bank. Datum lowered 1.00 foot June 1, 1935.

OBSERVATIONS:—Made twice daily by C. W. Tigner.

RECORDS AVAILABLE:—January, 1922, to September 30, 1940. Daily discharge records began March 11, 1931.

GERING DRAIN NEAR GERING

LOCATION:—East line of Section 6, Township 21 North, Range

GERING DRAIN NEAR GERING—Concluded

54 West. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

BENCH MARKS:—No. 1, destroyed. No. 2 is the heads of two spikes driven horizontally in pile cap at east abutment near downstream end. Elevation, 10.50 feet. No. 3 is a standard tablet in concrete post 72 feet from east end and 2 feet upstream from upstream handrail. Elevation, 10.18 feet.

GAGE:—Chain gage on downstream handrail of pile-bent bridge at station 34.5. Box and 0-10.1 foot scale fastened to wooden handrail. Chain length, 17.07 feet.

OBSERVATIONS:—Made twice daily by Ruben Funk.

RECORDS AVAILABLE:—January, 1923, to September 30, 1940.

HORSE CREEK NEAR LYMAN

LOCATION:—In the NE $\frac{1}{4}$ of Section 25, Township 23 North, Range 58 West, 3 $\frac{1}{4}$ miles northeast of Lyman, Nebraska. Established November 23, 1938, to replace staff gage station $\frac{1}{2}$ mile upstream used previously. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,860 square miles.

BENCH MARKS:—No. 1 is standard bronze tablet in top of concrete post extending 7 feet in ground, located 60 feet east of shelter and 10 feet upstream. Elevation, 7.22 feet. No. 2 is heads of two spikes driven horizontally into 8-inch cottonwood tree located on east bank 85 feet upstream from shelter and about 10 feet back from bank. Elevation, 8.33 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 9.84 feet.

GAGE:—Staff, scale 0-6.7 feet, fastened to two steel posts driven in east bank just below shelter.

RECORDER:—Stevens Type A-35 recorder, in small timber shelter located on east bank 200 feet above county road bridge, installed by the United States Geological Survey November 23, 1938.

OBSERVER:—Water commissioner during the irrigation season.

RECORDS AVAILABLE:—January, 1921, to September 30, 1940.

LODGEPOLE CREEK AT BUSHNELL

LOCATION:—In Section 33, Township 15 North, Range 57 West.

Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,090 square miles.

BENCH MARKS:—No. 1 is a cross cut in top of north upstream wingwall. Elevation, 3.79 feet. No. 2 is a standard bronze tablet set in top of concrete post located 58 feet back of shelter and 4 feet downstream on south bank. Elevation, 5.74 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 8.38 feet.

GAGE:—Vertical staff, consisting of a 0-3.3 foot enamel scale, fastened to south wall of concrete flume, 3 feet from upstream end. Same gage used previously.

RECORDER:—Stevens Type E recorder installed by the United States Geological Survey on March 26, 1938, in a small wooden shelter on the south bank, 6 feet back of staff gage.

OBSERVER:—Tom Fox, caretaker.

RECORDS AVAILABLE:—January, 1924, to September 30, 1940. Daily discharge record began June 3, 1932.

LOUP RIVER AT COLUMBUS

LOCATION:—West line of Section 30, Township 17 North, Range 1 East, at highway bridge at Columbus, 3½ miles upstream from mouth of river. Established May 20, 1936, to replace station maintained 300 feet downstream. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—14,200 square miles.

BENCH MARKS:—No. 5 is standard bronze tablet set in concrete post 100 yards downstream from bridge, 8 feet from east bank. Elevation, 6.05 feet. Gage datum 1,438.34 feet above mean sea level.

GAGE:—Wire-weight gage attached to downstream truss of 9 span bridge. Elevation of reference bar, 24.23 feet. Gage installed November 8, 1938, to replace chain gage used previously.

OBSERVATIONS:—Made twice daily by an engineer of the Loup River Public Power District.

RECORDS AVAILABLE:—From January 1, 1895, to September 30, 1915, and from March 9, 1931, to September 30, 1940.

LOUP RIVER, MIDDLE, NEAR SARGENT

LOCATION:—On November 11, 1936, this station was moved from Section 1, Township 19 North, Range 20 West, to Section 10,

LOUP RIVER, MIDDLE, NEAR SARGENT—Concluded

Township 19 North, Range 18 West. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—3,660 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet in concrete post located 28 feet back and then 41 feet downstream at right angles from east downstream edge of bridge. Elevation, 10.74 feet. No. 2, unreliable.

GAGE:—Chain gage on highway bridge. Chain length is 13.69 feet.

OBSERVATIONS:—Read twice daily by employee of Middle Loup Public Power and Irrigation District.

RECORDS AVAILABLE:—From December 4, 1936, to December 30, 1939.

NOTE:—Station discontinued December 30, 1939.

LOUP RIVER, MIDDLE, AT ARCADIA

LOCATION:—In Section 26, Township 17 North, Range 16 West, at the southwest limits of Arcadia. Established July 3, 1937. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—3,910 square miles.

BENCH MARKS:—No. 1 is the bottom edge of lowest nail driven horizontally into an 18-inch willow 7 feet above the ground surface, 160 feet downstream from gage. Elevation, 10.85 feet. No. 2 is standard bronze tablet set in concrete post 4.5 feet deep on line with front of shelter and 30 feet downstream. Elevation, 5.16 feet. Adjustable reference point, elevation, 11.00 feet. Gage datum raised 1.23 feet above that of chain gage on bridge when recorder was installed.

GAGE:—Chain gage on bridge. Length, 14.04 feet.

RECORDER:—A Stevens Type A-30 recorder in standard timber shelter on east bank just below highway bridge installed April 23, 1938.

OBSERVER:—Middle Loup Public Power and Irrigation District.

RECORDS AVAILABLE:—July 1, 1937, to September 30, 1940.

LOUP RIVER, MIDDLE, AT ST. PAUL

LOCATION:—In Section 10, Township 14 North, Range 10 West. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—1,778.41 feet above mean sea level.

DRAINAGE AREA:—7,320 square miles.

BENCH MARKS:—No. 1 is a cross in outer corner of bed plate on downstream side of north abutment of highway bridge. Elevation, 13.23 feet. No. 2 is a standard bronze plug in top of pipe, located 15 feet northeast of south downstream wingwall. Elevation, 7.41 feet. No. 3 is a standard bronze tablet set in top of concrete post located 48 feet in front of shelter and in line with upstream side. Elevation, 7.45 feet. Zero of gage is 1,778.41 feet above mean sea level.

GAGE:—Cantilever chain gage located 6 feet downstream from shelter. Chain length is 12.78 feet.

RECORDER:—A Stevens Type A-30 recorder in standard timber shelter on north bank 300 yards above highway bridge at St. Paul. Installed June 14, 1934, by the United States Geological Survey.

OBSERVATIONS:—Made daily by J. C. Potts from June 7, 1940, to September 30, 1940.

RECORDS AVAILABLE:—May, 1895, to October, 1897; April to October, 1899; April to November, 1903; August, 1928, to September 30, 1940.

LOUP RIVER, NORTH, AT TAYLOR

LOCATION:—In Section 22, Township 21 North, Range 18 West. Maintained by Nebraska, North Loup River Public Power and Irrigation District, and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,750 square miles.

BENCH MARKS:—No. 1 is a bronze tablet set in top of 3-inch pipe, located 280 feet in front of shelter and 180 feet downstream. Elevation, 9.57 feet. No. 2 is a cross chiseled in concrete and encircled with red paint on the top of south downstream wingwall of bridge. Elevation, 10.85 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 12.30 feet.

GAGE:—Outside gage is a cantilever chain gage near shelter. Chain length is 15.80 feet. Datum is same as that of chain gage on bridge previously used.

LOUP RIVER, NORTH, AT TAYLOR—Concluded

RECORDER:—Stevens Type A-35 recorder installed in a standard timber shelter, located on the south bank 450 feet above bridge, by the United States Geological Survey on September 28, 1938.

RECORDS AVAILABLE:—From November 26, 1936, to September 30, 1940.

LOUP RIVER, NORTH, AT SCOTIA

LOCATION:—In Section 8, Township 17 North, Range 12 West. Established November 25, 1936. Maintained by Nebraska, North Loup River Public Power and Irrigation District, and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—3,710 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post located on west bank 16 feet along track from end of railroad trestle and then 58 feet downstream at right angles. Elevation, 6.72 feet. No. 2 is the heads of two 16d nails driven horizontally into the base of downstream piling of right end bent of trestle. Elevation, 8.89 feet. No. 3 is a bronze tablet set in top of 3-inch pipe located 36 feet in front of shelter and 4 feet upstream. Elevation, 8.24 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 10.92 feet.

GAGE:—Outside is chain gage, 21.67 feet long, on railroad trestle.

RECORDER:—A Stevens Type A-35 recorder installed in standard timber shelter located 30 feet downstream from west end of railroad trestle, by the United States Geological Survey on September 28, 1938.

OBSERVER:—Herbert Klein, caretaker.

RECORDS AVAILABLE:—From November 25, 1936, to September 30, 1940.

LOUP RIVER, NORTH, NEAR ST. PAUL

LOCATION:—In Section 22, Township 15 North, Range 10 West. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—4,040 square miles.

BENCH MARKS:—No. 1 is two spikes driven horizontally in blaze in side of forked tree which is in a clump of trees 25 feet back

from recorder shelter. Elevation, 6.68 feet. No. 2 is a cross filed in head of rivet at north downstream corner of south abutment. Elevation, 12.42 feet. No. 3 is a bronze tablet set in concrete post located 54 feet back of recorder shelter and 5 feet upstream. Elevation, 5.86 feet.

GAGE:—Chain gage on bridge, length, 15.05 feet. Reference point in edge of recorder shelf. Elevation, 12.08 feet.

RECORDER:—A Stevens Type A-30 recorder in standard wood-shelter installed by the United States Geological Survey March 20, 1934.

OBSERVATIONS:—Carl E. Schobring made daily observations from June 7, 1940, to September 30, 1940, and was caretaker for the balance of the biennium.

RECORDS AVAILABLE:—May, 1895, to October, 1897; April to October, 1899; April to December, 1903; August, 1928, to September 30, 1940.

MEDICINE CREEK NEAR CAMBRIDGE

LOCATION:—In southeast corner of NE $\frac{1}{4}$ of Section 18, Township 4 North, Range 25 West. Established December 10, 1936. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—884 square miles.

BENCH MARKS:—No. 1 is an 80d spike driven horizontally in a maple tree located 20 feet downstream and 54 feet from west edge of bridge. Elevation, 13.75 feet.

GAGE:—Boxed chain gage attached to the downstream guard-rail of bridge, 32 feet from east end. An enamel scale calibrated from 0 to 16.9 feet is fastened to a 2-inch plank attached to guard-rail. Chain length, 18.58 feet.

OBSERVATIONS:—Made twice daily by Edwin R. Keyes.

RECORDS AVAILABLE:—From December 10, 1936, to September 30, 1940.

NINE MILE DRAIN NEAR MINATARE

LOCATION:—Near county bridge at northwest corner of Section 25, Township 21 North, Range 53 West, 1 $\frac{1}{2}$ miles north of McGrew. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

NINE MILE DRAIN NEAR MINATARE—Concluded

BENCH MARKS:—No. 1 is standard bronze tablet set in top of concrete post 6 feet in ground, located 15 feet upstream and 9 feet west of shelter. Elevation, 6.77 feet. No. 2 is standard tablet set in concrete post located across the road from shelter, 47 feet downstream, and 4 feet west. Elevation, 6.63 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 8.96 feet.

GAGE:—Outside gage is chain at bridge, length, 13.73 feet.

RECORDER:—Stevens Type A-35 recorder installed in small timber shelter at west bank upstream from bridge April 14, 1939, to replace staff gage used previously.

OBSERVATIONS:—Made twice daily by Mary E. Hardt from October 1, 1938, to April 14, 1939. Water commissioner during irrigation season.

RECORDS AVAILABLE:—January, 1919, to September 30, 1940.

NIOBRARA RIVER AT DUNLAP

LOCATION:—In Section 27, Township 29 North, Range 48 West. Daily observations began November 17, 1936. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,550 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in a concrete post located 13 feet downstream and 6½ feet in front of shelter. Elevation, 10.21 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 12.22 feet.

GAGE:—Cantilever chain gage, scale 0-10.1 feet, located 7 feet upstream from the recorder. Chain length, 15.99 feet.

RECORDER:—Stevens Type A-35 in small timber shelter located on the north bank 1,275 feet west upstream from highway bridge. Installed by the United States Geological Survey November 17, 1936, to replace station previously maintained at highway bridge.

OBSERVER:—Mrs. Bina Wegrzyn, caretaker.

RECORDS AVAILABLE:—From January, 1924, to September 30, 1940.

NIOBRARA RIVER NEAR SPENCER

LOCATION:—In Section 30, Township 33 North, Range 11 West, five miles southeast of Spencer.

DRAINAGE AREA:—10,800 square miles.

REMARKS:—Discharge of the river is computed from data obtained by the Nebraska Hydro-Electric Power Company as follows: (1) discharge through the turbines; (2) over top of gates; (3) through ice gate and sluice gate; (4) through four Taintor gates; (5) through five needle gates; and (6) leakage through plant and gate.

RECORDS AVAILABLE:—May to December, 1908; August 1927, to September 30, 1936. Dam failed and station discontinued September 24, 1936. Station reestablished June 14, 1940.

NIOBRARA RIVER NEAR VERDEL

Location:—In Section 23, Township 32 North, Range 8 West. Established August 21, 1928, and discontinued August 30, 1928. Reestablished April 25, 1938, and discontinued June 13, 1940. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—12,293 square miles.

BENCH MARKS:—No. 1 is the head of a ½-inch lag screw driven horizontally, 6 inches above ground, in a 9-inch juniper tree located in fence corner 30 feet downstream from right end of pile-trestle approach span. Elevation, 9.25 feet. No. 2 is the heads of two spikes driven horizontally in one of a clump of four trees growing from one root, located 120 feet back from south bank and 50 feet downstream from bridge. Elevation, 10.02 feet. This is the bench mark used originally with elevation of 7.09 feet above 1928 datum. No. 3 is the top of downstream corner of horizontal channel iron bracing steel pile support of south end of steel truss span. Elevation, 8.99 feet.

GAGE:—Weight gage which was on the downstream side of the bridge was moved on June 19, 1939, to the old cylinder pier about 250 feet downstream and set to the same depth. The wire weight gage is fastened to a 3x12-inch timber set vertically and bolted to top of the pier. Staff gage, scale 0-10.1 feet, was placed on the bank side of the pier.

OBSERVATIONS:—Made twice daily by Hugo J. Dryak.

RECORDS AVAILABLE:—From August 21, 1928, to September 30, 1928, and from April 25, 1938, to June 13, 1940.

REMARKS:—Station abandoned June 13, 1940, after which records computed from data obtained at Nebraska Hydro-Electric Power Plant five miles southeast of Spencer.

PUMPKINSEED CREEK NEAR BRIDGEPORT

LOCATION:—In Section 12, Township 19 North, Range 50 West. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,080 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post 130 feet east of bridge, near right-of-way fence. Elevation, 9.25 feet. Inside gage is adjustable reference point. Elevation, 9.75 feet.

GAGE:—Staff, scale 0-3.3 feet, fastened to 2x4 timber driven in bed of stream near north bank near shelter. Established April 28, 1938.

RECORDER:—Stevens Type E recorder in small wooden shelter constructed at previous site June, 1934. Installed by the United States Geological Survey. Moved to present site May 18, 1936.

OBSERVER:—Water commissioner during irrigation season. Office engineer, caretaker, during balance of year.

RECORDS AVAILABLE:—January, 1922, to September 30, 1940.

RED WILLOW CREEK NEAR BAYARD

LOCATION:—At county bridge in the southwest corner of Section 7, Township 20 North, Range 51 West, $\frac{1}{4}$ mile below confluence with Wild Horse Drain and $\frac{3}{4}$ mile above the mouth. Established January 30, 1932. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

BENCH MARKS:—No. 1 is standard bronze tablet set in concrete post 6 feet deep located 23 feet west and 3 feet downstream from shelter. Elevation, 5.68 feet. No. 2 is standard tablet in concrete post 10 feet east and 14 feet downstream from bridge. Elevation, 6.62 feet. Adjustable reference point in edge of recorder shelf. Elevation, 10.19 feet.

GAGE:—Staff gage consisting of 0-3.3 foot enamel scale fastened to piling at the downstream end of west abutment.

RECORDER:—A Stevens Type A-35 recorder in small standard shelter installed November 18, 1938, at the west bank 10 feet downstream from staff gage used previously.

OBSERVATIONS:—Made twice daily prior to November 18, 1938, by Ross A. Parks. Water commissioner during irrigation season.

RECORDS AVAILABLE:—February, 1932, to September 30, 1940.

RED WILLOW CREEK NEAR RED WILLOW

LOCATION:—In Section 8, Township 3 North, Range 28 West, $\frac{3}{4}$ mile north of U. S. Highway No. 6 near the west edge of the town of Red Willow. Established September 21, 1939. Maintained by Army Engineers, Nebraska, and United States Geological Survey under a cooperative agreement.

BENCH MARKS:—No. 1 is $\frac{3}{8}$ x6-inch lag screw driven horizontally in 24-inch tree 2 feet above the ground, located 68 feet to the west of gage and 22 feet downstream from center line of road. Elevation, 11.91 feet.

GAGE:—Wire weight gage fastened to downstream truss of single span highway bridge. Elevation of reference bar, 11.91 feet.

OBSERVER:—Hugh L. Meyers.

RECORDS AVAILABLE:—September 21, 1939, to September 30, 1940.

REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE

LOCATION:—In Section 10, Township 1 North, Range 42 West. Daily records began March 18, 1931. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—395 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete in line with downstream edge of shelter and 25 feet south of it, near fence. Elevation, 8.89 feet. Reference point is slot in screw in edge of recorder shelf. Elevation, 8.63 feet.

GAGE:—Cantilever chain gage located nearby.

RECORDER:—Stevens Type E recorder replaced with Stevens Type A-35 recorder, installed by United States Geological Survey January 4, 1939.

OBSERVER:—Mrs. Mazie G. Ashton, caretaker.

RECORDS AVAILABLE:—March, 1926, to September 30, 1940.

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN

LOCATION:—In SW $\frac{1}{4}$ of Section 31, Township 1 North, Range 37 West, about $\frac{1}{2}$ mile downstream from Kansas-Nebraska State Line

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN—Concluded

and 3 miles upstream from confluence with North Fork. Established August 27, 1937, and moved $\frac{1}{4}$ mile downstream March 5, 1940. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—Undetermined.

BENCH MARKS:—No. 1 is standard bronze tablet set in top of concrete post located 36 feet from west end of upstream handrail and 141 feet upstream on west side. Elevation, 7.24 feet. No. 3 is spike in west side of tree located 76 feet north and 90 feet east of the north end of new bridge. Elevation, 9.32 feet. No. 4 is cross marked with red paint chiseled in downstream end of north bridge abutment. Elevation, 18.00 feet.

GAGE:—Wire weight gage mounted on guardrail on highway bridge. Elevation of reference bar, 24.55 feet.

OBSERVATIONS:—Twice daily by Lyle A. McDonald.

RECORDS AVAILABLE:—August 27, 1937, to September 30, 1940.

REPUBLICAN RIVER AT MAX

LOCATION:—In Section 32, Township 2 North, Range 36 West. Established August 13, 1928. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Zero of gage is 2,877.34 feet above mean sea level

DRAINAGE AREA:—6,220 square miles.

BENCH MARKS:—No. 1 is standard tablet set in 5-foot concrete post located on the north bank 24 feet back of north abutment and 27 feet downstream. Elevation, 8.90 feet. No. 2 is standard bronze tablet set in top of $3\frac{1}{2}$ -inch pipe, 5 feet long, located 35.5 feet in front of shelter and 23.3 feet upstream from shelter. Elevation, 11.41 feet. Adjustable reference point on edge of recorder shelf. Elevation, 18.50 feet.

GAGE:—Cantilever chain gage, scale 0-10.1 feet, located 18 feet downstream from shelter. Chain length, 21.44 feet.

RECORDER:—Stevens Type A-35 recorder installed in standard timber shelter November 21, 1938, by the United States Geological Survey.

OBSERVER:—Justine Sutton, caretaker.

RECORDS AVAILABLE:—August, 1928, to September 30, 1940.

REPUBLICAN RIVER AT CULBERTSON

LOCATION:—In SE $\frac{1}{4}$ corner of Section 17 and Section 20, Township 3 North, Range 31 West. Established originally by Nebraska and was destroyed by flood May 31, 1935. A temporary staff was established June 10, 1935, which was destroyed by flood June 15, 1935. Present station established by United States Geological Survey June 28, 1935.

DRAINAGE AREA:—8,790 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet in concrete post located on north bank of main channel in a line parallel to bridge, 60 feet downstream, and 33 feet up from the river bank. Elevation, 8.36 feet above zero of gage.

GAGE:—First gage 0-10.1 foot enamel scale fastened to downstream side of thirteenth pile of bridge over main channel. Second gage, 3.36-6.74 foot enamel scale fastened to downstream side of second pile from north bank on second pile-bent bridge. Third gage, 3.36-6.74 foot enamel scale fastened to downstream side of seventh pile from north bank on third pile-bent bridge. The second and fourth bridges are over channels which carry water only at high stages. Gages are referred to the same datum.

OBSERVATIONS:—Made twice daily by C. W. Tigner.

RECORDS AVAILABLE:—January, 1924, to September 30, 1940.

REPUBLICAN RIVER NEAR BLOOMINGTON

LOCATION:—In Section 8, Township 1 North, Range 15 West. Established April 13, 1929. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—19,000 square miles.

BENCH MARKS:—No. 2 is head of 40d spike 4 inches above ground in streamward side of 60-inch cottonwood, 150 feet above north end of bridge, and 40 feet from bank. Elevation, 14.73 feet. No. 3 is standard bronze tablet set in concrete post located on north bank 39 feet downstream from first downstream pier, and 10 feet toward river; it is also 66 feet from second downstream pier and 35 feet from river bank. Elevation, 17.31 feet. No. 4 is standard bronze tablet set in 3-inch concrete-filled pipe with flanges on bottom set in 4 feet of concrete, located 28 feet in front of and 13 feet upstream from upstream front corner of shelter. Elevation, 17.55 feet. Adjustable reference point, elevation, 19.06 feet.

GAGE:—Cantilever chain gage, scale 0-10.1 feet. Length of chain, 20.43 feet.

REPUBLICAN RIVER NEAR BLOOMINGTON—Concluded

RECORDER:—Stevens Type A-35 recorder in standard timber shelter installed by the United States Geological Survey November 19, 1938.

OBSERVER:—Mrs. Susan S. League, caretaker.

RECORDS AVAILABLE:—April, 1929, to September 30, 1940.

REPUBLICAN RIVER NEAR HARDY

LOCATION:—Section 6, Township 1 South, Range 5 West. Established May 19, 1932, by the United States Geological Survey. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—1,501.46 feet above mean sea level.

DRAINAGE AREA:—22,500 square miles.

BENCH MARKS:—No. 2 is a standard bronze tablet set in concrete post located on north bank 60 feet from end of north downstream handrail, and thence at right angles 142 feet downstream, 29 feet back from bank, and 20 feet due west of 20-inch boxelder tree. Elevation, 11.38 feet. As the original bench mark was destroyed in 1935, the elevation of No. 2 was obtained from the reference point which may have been disturbed by the flood of 1935. Adjustable reference point on edge of recorder shelf. Elevation, 20.96 feet.

GAGE:—Chain gage attached to downstream bridge handrail. Length of chain, 22.17 feet.

RECORDER:—Stevens Type A-30 recorder in galvanized iron shelter and stilling well on downstream end of first pier from north bank.

OBSERVER:—A. E. Myler, caretaker.

RECORDS AVAILABLE:—May, 1932, to September 30, 1940.

SAPPA CREEK NEAR BEAVER CITY

LOCATION:—In Section 14, Township 1 North, Range 23 West. Established May 18, 1937, by the United States Geological Survey. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—1,560 square miles.

BENCH MARKS:—No. 1 is a circle chiseled on the north downstream corner of bridge curb, marked S-1, 2181.05. Elevation, 23.86 feet.

GAGE:—Chain gage located on downstream handrail of bridge. Chain length is 26.07 feet. Additional markers at 16.07 and 6.07 feet.

OBSERVATIONS:—Made twice daily by Frank M. Wright.

RECORDS AVAILABLE:—May 1, 1937, to September 30, 1940.

SHEEP CREEK NEAR MORRILL

LOCATION:—At highway bridge in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 16, Township 23 North, Range 57 West, 1 mile west of Morrill. Established January 26, 1932. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

BENCH MARKS:—No. 1 is a point marked with paint, also file mark, on under side of steel girder directly above gage. Elevation, 6.70 feet. Adjustable reference point in edge of recorder shelf. Elevation, 6.68 feet.

GAGE:—Staff gage consisting of 0-6.7 foot enamel scale mounted on 2x6 driven in bed of stream at the east bank directly under downstream side of highway bridge.

RECORDER:—Stevens Type F recorder in small timber shelter located 20 feet below highway bridge on west bank. Installed April, 1940, by Bureau of Reclamation.

OBSERVATIONS:—Made twice daily by J. H. Schultz from October 1, 1938, to April 20, 1940. Charts changed by water commissioner during irrigation season.

RECORDS AVAILABLE:—April, 1919, to September 30, 1940.

WHITE RIVER AT CRAWFORD

LOCATION:—Section 9, Township 31 North, Range 52 West. Station moved to this location from old highway bridge $\frac{1}{2}$ mile downstream in Section 10 on October 3, 1933. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—295 square miles.

BENCH MARKS:—No. 1 is a cross chiseled in outer corner of downstream end of bridge seat in east abutment. Elevation, 15.08 feet.

GAGE:—Standard boxed chain gage with 0-10.0 foot enamel scale bolted to downstream handrail. Chain length, 23.64 feet.

OBSERVATIONS:—Made twice daily by Howard C. Dallam.

RECORDS AVAILABLE:—January, 1924, to December, 1928, and February, 1931, to September 30, 1940.

WHITE RIVER NEAR CHADRON

LOCATION:—In Section 18, Township 33 North, Range 49 West. Daily observations began April 14, 1931. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

DRAINAGE AREA:—750 square miles.

BENCH MARKS:—No. 1 is a 60d spike driven vertically in root of 24-inch cottonwood tree on west bank, 15 feet from edge of bank and 20 feet upstream from bridge. Elevation, 17.72 feet. No. 2 is a standard bronze tablet set in concrete post located 10 feet downstream from shelter and 35 feet back from west bank. Elevation, 22.06 feet. Reference point is slot in screw in edge of recorder shelf. Elevation, 21.59 feet.

GAGE:—Chain on downstream handrail of bridge. Chain length, 24.09 feet.

RECORDER:—Stevens Type A-30 in standard timber shelter installed December 8, 1934, by the United States Geological Survey.

OBSERVER:—Thomas A. Schuhmacher, caretaker.

RECORDS AVAILABLE:—April, 1924, to September 30, 1940.

WINTERS CREEK NEAR SCOTTSBLUFF

LOCATION:—In the center of Section 30, Township 22 North, Range 54 West, 1 mile above mouth and $1\frac{1}{2}$ miles east of Scottsbluff. Established at this location November 19, 1938. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

BENCH MARKS:—No. 1 is standard bronze tablet set in top of concrete post located 3 feet west of shelter and 16 feet upstream. Elevation, 9.56 feet. No. 2 is red cross painted on old concrete abutment located 4 feet west and 48 feet upstream from shelter. Elevation, 9.67 feet. Adjustable reference point on recorder shelf. Elevation, 11.52 feet.

GAGE:—Staff gage consisting of 0-3.3 foot enamel scale mounted on 2x6 fastened to old concrete abutment on the east bank 30 feet upstream from bridge.

RECORDER:—A Stevens Type A-35 recorder in standard timber shelter located $\frac{1}{2}$ mile south of U. S. Highway No. 26. Recorder installed November 19, 1938, to replace staff gage station located $\frac{1}{2}$ mile upstream used previously.

OBSERVATIONS:—Made twice daily by Wesley Lackey prior to November 19, 1938. Water commissioner during irrigation season.

RECORDS AVAILABLE:—January, 1919, to September 30, 1940.

**DISCHARGE MEASUREMENTS ON THE NORTH PLATTE,
SOUTH PLATTE, AND PLATTE RIVERS**

Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT TORRINGTON, WYOMING					
10- 6	H. H. Odell	221	2.00	0.34	441
10-20	do	250	1.97	.40	494
10- 3	do	246	2.03	.40	500
11-16	do	244	2.10	.40	511
12- 2	do	245	2.07	.36	507
12-16	do	180	2.53	.32	456
1- 6	do	164	2.55	.27	418
1-19	do	167	2.56	.28	428
2- 3	do	220	2.91	.45	641
2-17	do	242	2.95	.50	713
3- 1	do	186	2.82	.36	525
3-21	do	183	2.55	.32	467
4- 5	do	192	2.53	.34	485
4-21	do	153	2.26	.21	346
5- 3	do	120	2.00	.11	240
5-13	do	756	1.97	1.06	1490
5-23	do	701	2.23	1.02	1560
6- 3	do	705	2.23	.96	1570
6-16	do	590	1.65	.77	972
6-27	Odell-Eisenhuth	631	1.79	.88	1130
7- 6	H. H. Odell	590	1.76	.83	1040
7-14	do	564	1.66	.76	938
7-28	H. P. Eisenhuth	551	1.83	.80	1010
8- 4	do	576	1.88	.88	1080
8-17	do	531	1.71	.76	910
8-25	do	498	1.69	.71	844
8-31	do	272	2.79	.64	758
9- 7	do	401	1.48	.53	595
9-16	do	502	1.93	.83	970
9-28	do	95	4.68	.37	444
NORTH PLATTE RIVER AT NEBRASKA-WYOMING LINE AT HENRY, NEBRASKA					
10- 6	H. H. Odell	209	1.95	1.02	408
10-13	do	329	1.92	1.42	631
10-20	H. W. Higby	324	2.05	1.35	665
11- 3	H. H. Odell	274	2.02	1.29	553
11-16	H. W. Higby	287	2.15	1.28	617
12- 2	H. H. Odell	287	2.13	1.26	612
12-19	H. W. Higby	255	2.11	1.19	537
1- 6	H. H. Odell	219	2.08	1.14	455
1-23	H. W. Higby	234	1.20	1.07	467
2- 3	H. H. Odell	260	1.85	1.40	482
2-24	H. W. Higby	234	2.22	1.92	637
3- 2	H. H. Odell	311	1.88	1.36	585
4- 5	do	296	1.77	1.22	524
4-21	do	214	1.65	1.00	354

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT HENRY—Concluded					
5- 3	John A. Whiting, Jr.	.....	.....	.64	182
5- 8	H. H. Odell	480	1.83	1.76	881
5-11	John A. Whiting, Jr.	.....	.....	2.01	1218
5-15	H. H. Odell	630	2.13	2.15	1340
5-20	John A. Whiting, Jr.	.....	.....	2.23	1490
5-22	H. H. Odell	645	2.31	2.24	1490
5-26	John A. Whiting, Jr.	.....	.....	2.16	1444
5-30	do	.....	.....	2.14	1506
6- 2	H. H. Odell	696	2.24	2.21	1560
6- 6	Jack E. Beaver	.....	.....	1.88	1308
6- 9	H. H. Odell	591	2.00	1.87	1180
6-13	Jack E. Beaver	.....	.....	1.86	1234
6-16	H. H. Odell	545	1.94	1.74	1060
6-20	John A. Whiting, Jr.	.....	.....	1.20	693
6-23	do	.....	.....	1.00	512
6-24	Odell-Eisenhuth	218	1.91	.96	474
6-27	John A. Whiting, Jr.	.....	.....	1.76	1109
6-30	H. H. Odell	521	1.98	1.70	1030
7- 3	John A. Whiting, Jr.	.....	.....	1.66	1060
7- 7	H. H. Odell	465	2.01	1.57	935
7-11	John A. Whiting, Jr.	460	2.12	1.56	974
7-14	H. H. Odell	497	2.09	1.76	1040
7-21	H. P. Eisenhuth	547	2.01	1.73	1100
7-25	John A. Whiting, Jr.	.....	.....	1.81	1275
7-28	H. P. Eisenhuth	513	2.12	1.62	1090
8- 1	John A. Whiting, Jr.	.....	.....	1.78	1260
8- 4	H. P. Eisenhuth	532	2.05	1.62	1090
8- 7	John A. Whiting, Jr.	.....	.....	1.48	1040
8-11	H. P. Eisenhuth	536	2.11	1.78	1130
8-14	Jack E. Beaver	.....	.....	1.63	1060
8-18	H. P. Eisenhuth	468	1.99	1.56	931
8-22	John A. Whiting, Jr.	.....	.....	1.59	995
8-25	H. P. Eisenhuth	484	1.97	1.57	953
8-29	John A. Whiting, Jr.	.....	.....	1.52	950
9- 1	H. P. Eisenhuth	379	2.03	1.34	768
9- 5	Jack E. Beaver	.....	.....	1.22	598
9- 8	H. P. Eisenhuth	355	2.85	1.42	793
9-12	John A. Whiting, Jr.	.....	.....	1.36	782
9-15	H. P. Eisenhuth	370	2.32	1.53	857
9-19	John A. Whiting, Jr.	.....	.....	1.18	587
9-22	Eisenhuth-Whiting	272	2.00	1.19	543
9-26	John A. Whiting, Jr.	.....	.....	1.15	482
9-29	H. P. Eisenhuth	201	2.16	1.15	434
NORTH PLATTE RIVER, SOUTH CHANNEL Below Gering Spillway—Sec. 3-23-58 W					
8-11	A. W. Hall	17	1.07	1.00	18
9- 6	Fred Hervert	8	1.78	.93	14
9-13	Eisenhuth-Hall	10	.63	.....	7

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER, NORTH CHANNEL					
Below Tri-State Needle Dam—Sec. 10-23-58 W.					
9- 6	Fred Hervert	3	0.88	.....	3
9-13	Eisenhuth-Hall	3	.78	.....	2
NORTH PLATTE RIVER					
Below Tri-State Diversion—NE $\frac{1}{4}$ Sec. 14-23-58 W.					
8-11	A. W. Hall	47	1.44	0.87	67
NORTH PLATTE RIVER, RAMSHORN CHANNEL					
Below Tri-State Control and Spillway—Sec. 13-23-58 W.					
8-11	A. W. Hall	32	1.49	.....	48
9- 6	Fred Hervert	.....	.....	.....	0
9-13	A. W. Hall	.....	.....	.....	0
NORTH PLATTE RIVER AT MITCHELL					
10- 5	H. H. Odell	207	2.01	1.40	417
10-13	do	346	2.55	1.73	881
10-20	do	342	2.58	1.66	882
11- 2	do	337	2.51	1.82	847
11-16	do	320	2.55	1.78	817
12- 1	do	341	2.34	1.79	799
12-15	do	318	2.40	1.76	764
1- 5	do	322	2.26	1.73	726
1-19	do	286	2.31	1.64	662
2- 3	do	247	2.20	1.40	544
2-17	do	268	2.26	1.62	607
3- 2	do	326	2.36	1.86	770
3-21	do	507	2.32	1.72	712
4- 4	do	309	2.27	1.68	702
4-21	do	275	2.23	1.56	612
5- 3	do	145	1.74	.94	252
5-13	do	168	2.04	1.13	342
5-23	do	168	1.90	1.13	319
6- 3	do	216	2.02	1.37	437
6-15	do	137	1.61	.90	221
6-24	Odell-Eisenhuth	146	1.70	.91	248
7- 6	H. H. Odell	121	1.65	.84	200
7-14	do	165	1.69	1.02	279
7-27	H. P. Eisenhuth	178	1.88	1.11	335
8- 2	do	160	1.76	1.04	282
8-16	do	101	1.78	.78	180
8-24	do	89	1.52	.69	136
8-31	do	89	1.68	.74	150
9- 6	do	85	1.65	.70	140
9-16	do	95	1.84	.78	175
9-27	do	94	1.73	.79	162
NORTH PLATTE RIVER AT MINATARE					
10- 5	H. H. Odell	327	1.73	1.08	566
10-19	do	538	1.95	1.60	1050

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT MINATARE—Concluded					
11- 1	H. H. Odell	490	1.93	1.54	947
11-15	do	431	1.96	1.46	845
12- 1	do	520	1.90	1.46	987
12-15	do	420	1.86	1.37	783
1- 5	do	385	2.02	1.21	778
1-18	do	377	1.96	1.21	738
2- 4	do	331	2.56	2.12	848
2-18	do	558	1.72	2.39	960
3- 3	do	431	1.90	1.22	820
3-22	do	411	1.82	1.12	750
4- 4	do	419	1.89	1.17	792
4-19	do	393	1.85	1.10	726
5- 2	do	265	1.63	.79	433
5-13	do	94	1.34	.31	126
5-24	do	69	1.38	.18	96
6- 5	do	199	1.48	.56	295
6-14	do	212	1.55	.62	328
6-24	Odell-Eisenhuth	182	1.57	.61	286
7- 5	Odell-Higy	113	1.54	.38	174
7-15	H. H. Odell	90	1.30	.28	117
7-26	H. P. Eisenhuth	86	1.57	.32	139
8- 2	do	105	1.69	.38	177
8-16	do	79	1.45	.23	115
8-24	do	51	1.59	.15	82
8-31	do	58	1.65	.18	96
9- 6	do	61	1.56	.18	95
9-16	do	90	1.87	.40	169
9-26	do	104	1.76	.40	183
NORTH PLATTE RIVER AT MINATARE					
NINE MILE CHANNEL					
10- 5	H. H. Odell	89	1.82	1.53	162
10-19	do	98	1.94	1.78	191
11- 1	do	89	1.80	1.59	160
11-15	do	95	1.87	1.65	177
12- 1	do	36	.75	.48	27
12-15	do	91	2.04	1.71	186
1- 5	do	97	1.90	1.74	184
1-18	do	90	1.87	1.67	169
2- 4	do	94	2.18	2.14	206
2-18	do	88	1.78	1.69	157
3- 3	do	78	1.87	1.58	146
3-22	do	92	1.87	1.81	173
4- 4	do	80	1.87	1.61	149
4-19	do	78	1.90	1.54	148
5- 2	do	36	1.59	.76	57
5-13	do	57	1.89	1.10	105
5-24	do	45	1.92	1.10	87
6- 5	do	91	2.00	1.80	181
6-14	do	80	1.84	1.54	147

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT MINATARE					
NINE MILE CHANNEL—Concluded					
6-24	Odell-Eisenhuth	80	1.91	1.56	153
7- 5	Odell-Higby	54	1.91	1.10	104
7-15	H. H. Odell	50	1.98	1.04	100
7-26	H. P. Eisenhuth	75	1.86	1.42	140
8- 2	do	87	1.80	1.63	156
8-16	do	73	1.78	1.38	129
8-24	do	53	2.04	1.17	108
8-31	do	52	2.08	1.22	108
9- 6	do	52	2.13	1.28	111
9-16	do	61	2.16	1.52	131
9-26	do	65	2.19	1.58	142
NORTH PLATTE RIVER AT BRIDGEPORT					
10- 4	H. H. Odell	504	1.88	5.53	945
10-11	do	708	2.06	5.84	1460
10-18	do	722	2.12	5.94	1530
10-25	do	694	1.94	5.85	1350
11- 1	do	690	2.00	5.86	1380
11- 8	do	661	2.07	5.79	1370
11-15	do	668	2.14	5.80	1430
11-29	do	646	2.06	5.77	1330
12- 6	do	646	1.97	5.71	1270
12-13	do	547	1.99	5.57	1090
12-20	do	613	1.88	5.66	1160
1- 4	do	692	1.89	6.00	1310
1-11	do	600	1.95	5.68	1170
1-18	do	574	2.02	5.60	1160
1-25	do	571	1.94	5.55	1110
2- 2	do	587	.70	5.92	405
2- 9	do	388	.82	6.30	319
2-11	Odell-Essex	477	1.28	6.51	609
2-13	H. H. Odell	574	1.74	6.54	1170
2-16	do	648	1.42	6.30	922
2-21	do	497	1.76	5.92	875
3- 1	do	577	1.89	5.84	1090
3- 8	do	646	1.92	5.71	1240
3-13	do	687	1.94	5.72	1350
3-20	do	602	1.96	5.70	1180
3-27	do	597	1.93	5.66	1150
4- 3	do	577	2.03	5.64	1170
4-10	do	600	1.97	5.66	1180
4-18	do	542	2.01	5.54	1090
4-24	do	472	1.73	5.42	817
5- 1	do	427	1.72	5.23	737
5- 8	do	270	1.54	5.07	415
5-15	do	235	1.54	4.96	362
5-22	do	65	1.18	4.58	77

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT BRIDGEPORT—Concluded					
5-31	H. H. Odell	107	1.34	4.67	143
6- 7	do	331	1.62	5.20	537
6-14	do	387	1.72	5.32	665
6-21	do	579	1.95	5.64	1130
6-28	Odell-Eisenhuth	249	1.46	5.05	363
7- 5	Odell-Higby	155	1.61	4.91	248
7-11	H. P. Eisenhuth	208	1.39	4.90	290
7-18	do	251	1.64	5.08	412
7-25	do	141	1.53	4.83	216
8- 1	do	219	1.70	5.04	372
8- 8	do	246	1.66	5.10	409
8-15	do	228	1.66	5.02	379
8-22	do	165	1.52	4.88	251
8-29	do	181	1.50	4.90	272
9- 5	do	179	1.49	4.91	266
9-12	do	256	1.71	5.11	439
9-19	do	242	1.63	5.08	395
9-26	do	243	1.77	5.10	431
NORTH PLATTE RIVER AT BRIDGEPORT BROWNS CREEK CHANNEL					
10- 4	H. H. Odell	41	1.72	1.61	71
10-11	do	44	1.74	1.66	76
10-18	do	42	1.86	1.66	78
10-25	do	44	1.79	1.69	79
11- 1	do	42	1.73	1.69	73
11- 8	do	41	1.69	1.68	70
11-15	do	40	1.72	1.69	69
11-29	do	39	1.66	1.59	64
12- 6	do	39	1.58	1.58	61
12-13	do	36	1.41	1.51	51
12-20	do	38	1.46	1.55	56
1- 4	do	34	1.71	1.53	59
1-11	do	30	1.48	1.43	44
1-18	do	35	1.62	1.54	57
1-25	do	31	1.39	1.41	43
2- 2	do	12	.78	1.23	10
2- 9	do	8	.30	1.07	2
2-11	Odell-Essex	23	1.75	1.52	41
2-13	H. H. Odell	51	1.66	1.92	85
2-16	do	35	1.49	1.58	52
2-21	do	27	1.19	1.34	32
3- 1	do	28	1.34	1.40	37
3- 8	do	28	1.52	1.51	42
3-13	do	25	1.27	1.38	31
3-20	do	24	1.30	1.34	31
3-27	do	25	1.33	1.38	33
4- 3	do	21	1.51	1.32	31

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT BRIDGEPORT					
BROWNS CREEK CHANNEL—Concluded					
4-10	H. H. Odell	21	1.62	1.36	34
4-18	do	18	1.56	1.30	28
4-24	do	18	1.43	1.24	26
5- 1	do	18	1.43	1.21	25
5- 8	do	12	1.32	1.02	16
5-15	do	23	1.62	1.37	37
5-22	do	25	1.98	1.50	49
5-31	do	26	1.63	1.30	42
6- 7	do	35	2.08	1.67	73
6-14	do	39	2.23	1.86	87
6-21	do	42	1.95	1.80	87
6-28	do	23	1.63	1.22	37
7- 5	Odell-Higby	31	1.61	1.47	50
7-11	H. P. Eisenhuth	32	1.60	1.40	52
7-18	do	35	2.10	1.64	74
7-25	do	38	2.13	1.71	80
8- 1	do	39	1.91	1.74	74
8- 8	do	39	2.02	1.72	79
8-15	do	37	1.96	1.61	70
8-22	do	27	1.95	1.40	53
8-29	do	47	1.67	1.82	79
9- 5	do	38	2.02	1.75	77
9-12	do	43	2.02	1.88	86
9-19	do	42	1.98	1.86	83
9-26	do	48	1.79	1.89	85
NORTH PLATTE RIVER AT LISCO					
10-15	A. W. Hall	821	2.13	1.74	1750
10-27	do	873	2.13	1.76	1860
12-18	do	886	1.99	1.89	1766
1-21	do	987	1.95	2.91	1929
2-11	do	748	.92	2.57	690
3- 1	do	912	1.78	2.73	1620
3-22	do	672	2.26	1.57	1520
4-18	do	615	2.10	1.52	1290
5- 1	Fred Hervert	433	1.99	1.29	861
5-22	do	104	1.38	.58	144
6- 5	do	479	1.73	1.34	827
6-21	do	703	1.95	1.72	1370
6-30	do	230	1.65	.97	379
7-12	do	250	1.68	1.03	420
7-17	A. W. Hall	264	1.66	1.15	437
7-26	do	148	1.66	.90	245
8-11	Fred Hervert	267	1.58	1.11	421
8-24	do	194	1.64	1.01	319
9- 8	do	248	1.59	1.15	394
9-19	do	294	1.71	1.24	503

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT OSHKOSH					
10-15	A. W. Hall	839	2.00	1.95	1680
10-31	do	888	1.97	1.88	1750
1-20	do	811	1.95	3.23	1470
2-11	do	552	1.25	2.18	692
3- 2	do	733	1.83	3.01	1340
3-22	do	755	2.15	1.85	1620
4-18	do	709	1.90	1.76	1350
5- 2	Fred Hervert	530	1.71	1.51	905
5-13	do	332	1.55	1.34	514
5-24	do	81	1.28	.80	104
6- 6	do	486	1.79	1.57	871
6-20	do	607	1.89	1.77	1150
7- 1	do	225	1.41	1.07	318
7-11	A. W. Hall	239	1.49	1.30	357
7-27	do	154	1.40	1.08	216
8- 4	do	183	1.38	1.20	254
8-21	Fred Hervert	162	1.31	1.05	212
9- 2	do	145	1.39	1.07	201
9-18	do	262	1.59	1.29	417
NORTH PLATTE RIVER AT OSHKOSH MIDLAND CHANNEL					
10-15	A. W. Hall	18	1.57	1.68	28
10-31	do	18	1.81	1.73	33
2-11	do	12	.71	1.25	9
3- 2	do	26	1.91	2.15	50
3-22	do	8	.97	.94	8
4-18	do	5	1.17	.96	6
5- 2	Fred Hervert	3	.53	.72	2
5-13	do	.....	.....	.62	0
5-24	do	16	1.94	1.56	30
6- 3	do	11	1.32	1.33	15
6- 6	do	5	1.42	1.07	8
6-20	do	28	1.77	2.24	50
7- 1	do	11	1.26	1.32	14
7-11	A. W. Hall	21	1.65	2.02	35
7-27	do	18	1.62	1.54	29
8- 4	do	17	1.56	1.61	27
8-21	Fred Hervert	12	1.21	1.37	15
9- 2	do	11	1.23	1.32	13
9-18	do	22	1.49	1.91	33
NORTH PLATTE RIVER AT KEYSTONE Sec. 1-14-38 W.					
6- 3	Fred Hervert	114	1.38	1.13	156
6- 8	do	185	1.84	1.55	340
6-23	do	198	1.74	1.52	344
7- 3	do	216	1.42	1.33	307

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT KEYSTONE—Concluded					
7-11	A. W. Hall	177	1.58	1.46	279
7-21	do	194	1.51	1.34	298
8- 5	do	160	1.61	1.25	257
8-19	Fred Hervert	230	1.09	.89	250
8-31	do	123	1.59	1.10	195
9-15	do	178	1.75	1.42	311
NORH PLATTE RIVER AT SUTHERLAND					
10-14	A. W. Hall	425	1.70	3.38	721
11- 1	do	918	1.93	4.08	1770
11-15	do	914	2.12	4.07	2000
12-17	do	118	1.73	3.26	204
1-18	do	224	1.98	3.90	444
3- 3	do	855	1.77	4.55	1510
3-10	do	988	2.21	4.26	2180
3-30	do	1100	2.09	4.10	2300
4-21	do	547	1.92	3.79	1050
5- 3	Fred Hervert	291	1.34	3.44	389
5-10	do	45	.90	2.76	40
5-19	do	25	.81	2.77	20
6- 2	do	137	1.31	3.05	180
6- 9	do	81	1.15	2.98	93
6-15	do	89	1.27	3.08	112
6-23	do	85	1.12	3.06	95
6-28	do	697	1.65	3.84	1150
7- 6	do	93	1.12	3.23	103
7-21	A. W. Hall	208	1.38	3.37	288
7-29	Fred Hervert	6	.57	2.75	3
8-10	A. W. Hall	18	.86	1.80	15
8-18	Fred Hervert	6	.84	2.81	5
8-30	do	1	.56	2.76	1
9-15	do	2	.76	2.74	2
9-25	A. W. Hall	24	.92	2.88	22
NORTH PLATTE RIVER AT NORTH PLATTE					
10-11	A. W. Hall	697	2.17	3.07	1510
11- 2	do	923	2.19	3.34	2020
11-16	do	884	2.44	3.36	2160
12-15	do	288	1.57	2.72	453
1-18	do	473	1.80	2.96	853
2-14	do	565	1.40	3.44	790
3- 4	do	725	2.22	3.64	1610
3-10	do	900	2.47	3.40	2220
3-31	do	1010	2.42	3.52	2440
4-21	do	688	1.92	3.08	1320
5- 4	Fred Hervert	374	1.71	2.74	640
5-18	do	215	1.41	2.46	303
5-27	do	416	1.69	2.80	705
6-10	do	227	1.40	2.60	318

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT NORTH PLATTE—Concluded					
6-16	Fred Hervert	243	1.40	2.57	339
6-24	do	214	1.65	2.58	353
7- 7	do	235	1.41	2.54	331
7-15	do	126	1.17	2.33	148
7-19	A. W. Hall	212	1.51	2.52	321
7-24	Fred Hervert	181	1.28	2.49	236
8- 1	do	44	1.20	2.32	58
8- 5	do	54	1.20	2.34	61
8- 9	A. W. Hall	111	1.32	2.39	146
8-17	Fred Hervert	70	1.19	2.35	81
8-25	do	55	1.18	2.30	65
9- 1	do	59	1.16	2.35	68
9-14	do	69	1.34	2.36	93
9-25	A. W. Hall	149	1.58	2.50	235

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 1
 (Nebraska Measurements)

10-17	K. S. Essex	30	1.70	1.74	50
10-27	do	25	1.58	1.62	39
11-17	do	23	1.44	1.47	33
1-11	do	94	2.21	2.70	207
2- 6	do	115	1.01	3.16	116
2-25	do	119	1.03	4.26	122
3-18	do	386	2.05	3.83	791
4-13	Essex-Dodd	214	2.07	3.08	445
5-12	K. S. Essex	17	1.17	.69	2
5-18	do	.....	.....	.58	0
5-26	Fred Hervert	.....	.....	.56	0
6- 5	K. S. Essex	.....	.....	.70	0
6-10	do	.....	.....	.62	0
6-26	do	.....	.....	.32	0
7- 8	do	.....	.....	.34	0
7-19	do	.....	.....	.25	0
8-14	do	.....	.....	.23	0
9-13	do	.....	.....	.13	0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 1
 (Colorado Measurements)

10-18	W. E. Wagner	.....	.....	1.75	57
11-18	C. E. Schnurr	.....	.....	1.43	33
19- 9	do	.....	.....	1.86	55
1-20	W. E. Wagner	.....	.....	3.12	294
2-16	C. E. Schnurr	.....	.....	3.01	56
3-14	W. E. Wagner	.....	.....	5.42	*
4-22	C. E. Schnurr	.....	.....	3.08	415
5-25	do	.....	.....	.50	0
6-22	W. E. Wagner	.....	.....	.44	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 1—Concluded					
7-12	C. E. Schnurr	.....	.....	.26	0
7-27	W. E. Wagner	.....	.....	.20	0
8-18	C. E. Schnurr	.....	.....	.20	0
9-14	do	.....	.....	.12	0

*Included in Channel No. 2

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 2
 (Nebraska Measurements)

10-17	K. S. Essex	106	2.43	1.88	258
10-27	do	96	2.48	1.70	237
11-17	do	94	2.48	1.55	233
1-11	do	238	2.90	3.02	689
2- 6	do	255	2.99	3.28	762
2-25	do	265	2.39	3.06	634
3-18	do	662	2.49	4.87	1650
4-13	Essex-Dodd	442	2.58	3.83	1140
5-12	K. S. Essex	45	1.99	.92	90
5-18	do	36	1.84	.60	66
5-26	Fred Hervert	35	1.75	.66	61
6- 5	K. S. Essex	44	2.04	.82	90
6-10	do	38	1.81	.64	68
6-26	do	63	2.21	1.15	139
7- 8	do	16	2.00	.27	33
7-19	do	17	1.85	.26	32
8-14	do	15	1.85	.19	28
9-13	do	13	1.74	.13	22

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 2
 (Colorado Measurements)

10-18	W. E. Wagner	.....	.....	1.87	278
11-18	C. E. Schnurr	.....	.....	1.54	234
12- 9	do	.....	.....	1.71	255
1-20	W. E. Wagner	.....	.....	3.60	850
2-16	C. E. Schnurr	.....	.....	3.55	889
3-14	W. E. Wagner	.....	.....	6.15	*6017
4-22	C. E. Schnurr	.....	.....	3.77	1111
5-25	do	.....	.....	.54	49
6-22	W. E. Wagner	.....	.....	.43	46
7-12	C. E. Schnurr	.....	.....	.26	31
7-27	W. E. Wagner	.....	.....	.32	34
8-18	C. E. Schnurr	.....	.....	.15	24
9-14	do	.....	.....	.16	24

*Measurement includes Channel No. 1

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 3					
(Nebraska Measurements)					
10-17	K. S. Essex	.....	.....	.....	0
10-27	do	.....	.....	.....	0
11-17	do	.....	.....	.....	0
1-11	do	.....	.....	.....	0
2- 6	do	.....	.....	.....	0
2-25	do	.....	.....	.....	0
3-18	do	354	.37	.....	131
4-13	Essex-Dodd	.....	.....	.....	0
5-12	K. S. Essex	.....	.....	.....	0
5-18	do	.....	.....	.....	0
5-26	Fred Hervert	.....	.....	.....	0
6- 5	K. S. Essex	.....	.....	.....	0
6-10	do	.....	.....	.....	0
6-26	do	.....	.....	.....	0
7- 8	do	.....	.....	.....	0
7-19	do	.....	.....	.....	0
8-14	do	.....	.....	.....	0
9-13	do	.....	.....	.....	0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 4

(Nebraska Measurements)

10-17	K. S. Essex	26	2.06	1.55	54
10-27	do	22	2.06	1.28	44
11-17	do	21	2.01	1.20	43
1-11	do	51	2.07	2.55	105
2- 6	do	54	2.26	2.68	121
2-25	do	49	1.89	2.53	92
3-18	do	376	.99	3.78	373
4-13	Essex-Dodd	86	2.18	3.13	186
5-12	K. S. Essex	3	1.13	.55	3
5-18	do	2	1.34	.61	3
5-26	Fred Hervert	2	1.64	.65	4
6- 5	K. S. Essex	3	1.26	.67	4
6-10	do	2	1.46	.62	3
6-26	do	2	1.18	.62	2
7- 8	do	1	.84	.54	1
7-19	do	2	.91	.57	2
8-14	do	1	.87	.54	1
9-13	do	1	.61	.57	1

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 4					
(Colorado Measurements)					
10-18	W. E. Wagner	.....	.....	1.52	58
11-18	C. E. Schnurr	.....	.....	1.20	45
12- 9	do	.....	.....	1.36	51
1-20	W. E. Wagner	.....	.....	2.25	98
2-16	C. E. Schnurr	.....	.....	2.02	85
3-14	W. E. Wagner	.....	.....	4.97	*2566
4-22	C. E. Schnurr	.....	.....	3.12	190
5-25	do	.....	.....	.60	2
6-22	W. E. Wagner	.....	.....	.59	2
7-12	C. E. Schnurr	.....	.....	.58	2
7-27	W. E. Wagner	.....	.....	.58	1
8-18	C. E. Schnurr	.....	.....	.54	1
9-14	do	.....	.....	.55	1
*Includes 1077 s. f. Channel No. 3					
SOUTH PLATTE RIVER AT BIG SPRINGS					
Sec. 35-13-42 W.					
9-29	A. W. Hall	4	0.97	.....	4
SOUTH PLATTE RIVER AT BRULE					
Sec. 22-13-40 W.					
9-29	A. W. Hall	8	0.90	.....	7
SOUTH PLATTE RIVER AT OGALLALA					
11-14	A. W. Hall	128	2.44	2.01	313
5-11	Fred Hervert	88	2.06	1.50	182
5-20	do	64	1.99	1.33	127
6- 9	do	74	1.97	1.35	145
6-29	do	23	1.62	.86	37
7-19	K. S. Essex	11	1.17	.68	13
8-10	A. W. Hall	5	.84	.48	4
8-19	Fred Hervert	5	.79	.43	4
9-16	do	2	1.00	.39	2
9-28	A. W. Hall	3	.83	.41	2
SOUTH PLATTE RIVER AT PAXTON					
8-10	A. W. Hall	11	1.54	1.02	16
8-18	Fred Hervert	4	1.16	.81	4
8-31	do	2	1.30	.74	3
9-15	do	2	.55	.66	1
9-28	A. W. Hall	4	.97	.75	3

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
SOUTH PLATTE RIVER AT NORTH PLATTE					
10-11	A. W. Hall	141	2.09	1.06	275
11- 2	do	149	2.11	1.15	315
11-15	do	168	2.10	1.15	352
12-15	do	173	2.26	1.41	391
1-18	do	491	2.02	2.36	989
2-14	do	283	2.39	1.81	677
3- 4	do	421	2.64	2.35	1110
3- 9	do	474	2.44	2.16	1160
3-16	do	1790	4.11	4.16	7360
3-31	do	896	2.76	2.68	2470
4-21	do	724	2.24	2.30	1620
5-'4	Fred Hervert	368	2.17	1.80	799
5-18	do	127	1.74	1.14	221
5-27	do	166	1.86	1.24	309
6-10	do	118	1.72	1.03	203
6-16	do	94	1.70	.98	160
6-23	do	64	1.63	.88	105
7- 6	do	64	1.51	.76	97
7-15	do	30	1.50	.57	46
7-19	A. W. Hall	29	1.50	.58	44
7-24	Fred Hervert	22	1.21	.50	26
8- 1	do	25	1.25	.54	31
8- 9	A. W. Hall	43	1.44	.70	63
8-17	Fred Hervert	31	1.49	.60	47
8-25	do	26	1.29	.55	34
9- 1	do	29	1.30	.60	37
9-14	do	23	1.28	.52	29
9-25	A. W. Hall	31	1.55	.58	48
PLATTE RIVER AT BRADY ISLAND CHANNEL NO. 1					
11-16	A. W. Hall	867	2.55	3.46	2210
3- 9	do	1320	2.32	4.24	3060
3-17	do	1600	3.62	4.39	5790
3-31	do	1460	2.94	4.12	4290
4-22	do	1400	2.04	3.48	2850
5- 5	Fred Hervert	721	2.09	2.74	1510
5-17	do	379	1.61	2.07	609
5-29	do	493	1.99	2.39	983
6-11	do	234	1.83	1.94	429
6-24	do	303	1.46	2.00	411
7- 7	do	284	1.40	1.91	399
7-14	do	265	1.58	1.92	419
7-20	A. W. Hall	435	1.83	2.30	798
7-23	Fred Hervert	390	1.60	2.16	626
7-31	do	340	1.52	2.04	517
8- 5	do	141	1.56	1.74	220
8- 9	A. W. Hall	238	1.52	1.93	362
8-15	Fred Hervert	144	1.43	1.70	206

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 1—Concluded					
8-24	Fred Hervert	46	1.18	1.29	54
9- 1	do	52	1.20	1.35	62
9-13	do	60	1.13	1.34	67
9-26	A. W. Hall	180	1.36	1.69	245
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 2					
11-16	A. W. Hall	27	1.71	1.58	46
12-15	do	2	1.21	.92	3
1-19	do	19	1.27	2.06	24
3- 8	do	38	2.13	2.04	80
3-17	do	295	2.99	4.07	882
3-31	do	103	1.88	2.58	194
4-22	do	50	1.71	1.93	86
5- 5	Fred Hervert	32	1.55	1.74	50
5-17	do	3	.91	1.15	3
5-28	do	7	1.24	1.26	9
6-11	do	1	.70	.97	1
6-24	do	.....	.....	.91	0
7- 7	do	.....	.....	.92	0
7-14	do	.....	.....	.....	0
7-23	do	.....	.....	.....	0
7-31	do	.....	.....	.....	0
8- 5	do	.....	.....	.....	0
8-15	do	.....	.....	.....	0
8-24	do	.....	.....	.....	0
9-13	do	.....	.....	.....	0
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 3					
11-16	A. W. Hall	46	1.91	1.67	88
12-15	do	3	1.36	.90	4
1-19	do	111	2.91	2.67	324
3- 8	do	109	2.45	2.20	267
3-17	do	264	3.12	3.91	825
3-31	do	106	2.34	2.41	248
4-22	do	69	2.07	1.95	143
5- 5	Fred Hervert	57	2.02	1.72	116
5-17	do	20	1.58	1.20	32
5-28	do	29	1.71	1.34	50
6-11	do	16	1.41	1.14	23
6-24	do	14	1.37	1.11	20
7- 7	do	13	1.35	1.06	17
7-14	do	1	.51	.63	1
7-23	do	2	.56	.45	1
7-31	do	1	.75	.63	1
8- 5	do	.....	.....	.60	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Pt.
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 3—Concluded					
8-15	Fred Hervert	.....	.....	.58	0
8-24	do	.....	.....	.....	0
9-13	do	.....	.....	.....	0
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 4					
11-16	A. W. Hall	109	1.95	1.70	213
12-15	do	47	1.92	1.11	90
1-19	do	37	1.48	2.70	55
3- 8	do	188	2.14	2.00	403
3-17	do	417	3.62	3.64	1510
3-31	do	245	2.56	2.36	627
4-22	do	180	2.32	2.10	418
5- 5	Fred Hervert	124	1.95	1.66	242
5-17	do	63	1.55	1.24	97
5-28	do	69	1.71	1.45	118
6-11	do	51	1.32	1.14	68
6-24	do	34	1.47	1.07	50
7- 7	do	29	1.44	1.00	42
7-14	do	96	1.76	1.55	169
7-23	do	183	2.08	1.94	380
7-31	do	110	2.03	1.70	287
8- 5	do	87	1.73	1.31	150
8- 9	A. W. Hall	97	1.86	1.52	180
8-15	Fred Hervert	54	1.84	1.11	98
8-24	do	13	1.23	.62	13
9- 1	do	2	1.00	.50	2
9-13	do	.....	.....	.16	0
PLATTE RIVER AT COZAD					
NORTH CHANNEL					
3-18	A. W. Hall	654	2.68	2.41	1754
4- 1	do	513	2.23	2.10	1142
4-25	do	208	2.25	1.56	468
5- 8	Fred Hervert	18	1.44	.58	25
5-16	do	10	1.36	.19	13
5-30	do	261	2.01	1.76	523
6-12	do	33	1.39	.73	46
6-25	do	126	1.58	1.27	199
7- 8	do	47	1.80	.75	84
7-15	do	96	1.65	1.13	159
7-20	do	177	1.81	1.49	321
7-25	do	151	1.76	1.35	265
7-31	do	63	1.32	.93	84
8- 4	do	52	1.96	.88	102
8- 8	A. W. Hall	96	1.63	1.12	157
8-15	Fred Hervert	61	1.76	.94	107
8-29	do	24	1.14	.61	27
9-13	do	32	1.25	.70	40

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
PLATTE RIVER AT COZAD					
SOUTH CHANNEL					
3-18	A. W. Hall	1830	3.54	2.89	6483
4- 1	do	1461	2.97	2.42	4338
4-25	do	887	2.46	1.66	2178
5- 8	Fred Hervert	381	1.76	1.06	671
5-16	do	323	1.78	1.13	574
5-30	do	184	1.41	.82	260
6-12	do	61	1.38	.59	84
6-25	do	87	1.36	.61	118
7- 8	do	8	.66	.39	5
7-25	do	6	.91	.38	5
7-31	do	.....	.....	.37	6
8- 4	do	5	.82	.37	4
8-15	do	10	.42	.29	4
8-29	do	2	.33	.20	1
PLATTE RIVER AT OVERTON					
10- 7	Hall-Hervert	87	1.25	2.13	109
10- 7	A. W. Hall	280	1.51	2.12	424
11- 3	do	790	1.89	2.84	1490
11-17	do	862	2.13	2.96	1840
12-16	do	432	1.73	2.98	749
1-17	do	1742	.76	4.84	1320
2-17	do	1100	1.48	4.26	1630
3- 7	do	1910	1.77	4.03	3390
3-18	do	2710	3.26	4.34	8830
4- 1	do	2000	2.65	3.76	5300
4-25	do	1150	2.35	3.02	2700
5- 6	Fred Hervert	541	1.84	2.61	997
5-14	do	211	1.28	2.38	271
5-30	do	446	1.49	2.36	665
6-13	do	242	1.38	2.29	335
6-26	do	269	1.23	2.39	331
7- 9	do	56	.81	2.12	45
7-19	A. W. Hall	158	1.06	2.23	169
7-21	Fred Hervert	194	1.25	2.33	243
7-27	do	149	1.27	2.28	189
8- 2	do	17	.97	2.04	17
8- 8	A. W. Hall	86	1.21	2.21	104
8-14	Fred Hervert	26	.62	2.04	16
PLATTE RIVER AT ODESSA					
10- 7	A. W. Hall	89	1.46	0.66	130
11- 3	do	510	2.04	1.54	1040
11-17	do	760	2.04	1.74	1550
2-17	do	1030	1.41	2.84	1450
3- 7	do	1460	2.18	2.95	3190
4- 2	do	1180	3.83	2.44	4520
4-24	do	968	2.20	1.67	2130

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
PLATTE RIVER AT ODESSA—Concluded					
5- 7	Fred Hervert	379	1.60	1.26	606
5-14	do	91	1.38	.81	125
5-31	do	302	1.31	1.02	395
6-13	do	183	1.19	.86	218
6-27	do	128	1.23	.84	158
9-12	do	.....	.....	.48	0
PLATTE RIVER AT GRAND ISLAND					
10- 8	R. A. Wahl	215	1.34	2.14	291
10-26	do	394	1.47	2.46	580
11- 4	A. W. Hall	522	1.71	2.65	892
11- 6	C. B. Ham	519	1.88	2.67	974
11-18	do	752	2.02	2.86	1520
12- 5	L. F. Hanks	1160	1.91	3.27	2210
12-16	A. W. Hall	442	2.35	2.78	1040
1- 9	Wahl-Eisenhuth	1590	2.40	3.64	3820
1-18	R. A. Wahl	420	2.08	2.82	851
2- 6	F. D. Reed	741	1.89	3.03	1400
3-13	C. B. Ham	1740	2.53	3.67	4400
3-28	do	1360	2.26	3.20	3070
4- 7	R. A. Wahl	1810	2.51	3.53	4610
4-20	do	1310	2.53	3.23	3300
5-10	R. F. Kaser	424	1.25	2.50	531
5-17	do	80	.99	2.13	77
6- 8	C. J. Osborne	55	.54	1.87	30
6-21	do	117	1.10	2.31	161
7-11	C. B. Ham	6	.38	1.98	2
7-17	do	.....	.....	1.50	0
8-11	L. R. Sawyer	.....	.....	.....	0
8-20	do	.....	.....	.67	0
9-12	L. F. Hanks	.....	.....	.....	0
9-20	do	.....	.....	.....	0
PLATTE RIVER AT DUNCAN					
10-13	R. A. Wahl	154	1.12	1.13	218
10-24	do	162	1.47	1.44	238
11- 9	C. B. Ham	496	1.82	2.14	953
11-20	do	730	2.04	2.36	1490
12- 5	L. F. Hanks	1160	2.34	2.76	2710
1-13	R. A. Wahl	1260	2.26	2.78	2850
1-21	do	372	1.86	1.90	690
2-13	F. D. Reed	557	.82	3.19	465
2-24	do	933	1.46	3.57	1360
3-11	C. B. Ham	2010	3.00	4.10	6030
3-25	do	1690	2.69	3.04	4540
4-13	R. A. Wahl	1290	2.28	2.67	2940
4-22	do	1340	2.53	2.76	3390
5-13	R. F. Kaser	253	1.71	1.60	432
5-19	do	60	1.30	1.10	78

MEASUREMENTS OF PLATTE RIVERS—Concluded
Year Ending September 30, 1939

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
PLATTE RIVER AT DUNCAN—Concluded					
6- 9	C. J. Osborne	53	1.22	1.18	65
6-21	do	231	1.38	1.65	321
7-11	C. B. Ham	9	.92	1.01	9
7-18	do	.....	.....	.79	0
8-12	L. R. Sawyer	2	.62	.76	1
8-17	Sawyer-Follansbee	.....	.....	.80	1
9-12	L. F. Hanks	.....	.....	.....	0
9-19	do	.....	.....	.....	0
PLATTE RIVER AT ASHLAND					
10- 3	C. H. Jennings	1340	2.34	1.99	3140
10-14	R. A. Wahl	934	2.17	2.18	2030
10-24	do	878	2.18	2.26	1910
11- 4	J. W. Odell	1470	2.13	2.89	3130
11-10	C. B. Ham	1560	2.30	2.98	3600
11-21	do	1900	2.18	3.27	4140
12- 3	L. F. Hanks	1960	2.53	3.56	4950
12- 5	Warwick L. Doll	2340	2.42	2.78	5660
1-14	R. A. Wahl	2330	2.46	2.89	5730
1-21	do	1080	2.05	1.74	2210
2-11	F. D. Reed	1030	1.47	2.61	1510
3-16	C. B. Ham	3700	2.92	3.23	10800
3-26	do	2880	2.85	3.18	8200
4-14	R. A. Wahl	2070	2.76	2.77	5720
4-24	do	1980	2.70	2.64	5350
5- 3	Kenneth J. Craig	1800	2.28	2.24	4100
5-14	R. F. Kaser	1120	2.14	1.64	2400
5-20	do	921	2.07	1.43	1910
6- 2	Kenneth J. Craig	1880	1.98	2.17	3720
6-12	C. J. Osborne	2660	2.84	3.06	7550
6-22	do	1070	2.13	1.60	2280
7-12	C. B. Ham	728	1.79	1.12	1300
7-21	do	427	1.54	.72	659
8- 3	Elwood R. Leeson	680	1.62	.86	1100
8-12	L. R. Sawyer	461	1.62	.54	745
8-18	do	1280	2.23	1.71	2860
8-18	do	1600	2.28	2.09	3640
9- 2	John A. Short	973	1.83	1.36	1780
9-12	L. F. Hanks	427	1.47	.94	628
9-19	do	453	1.36	.88	618

**DISCHARGE MEASUREMENTS ON THE NORTH PLATTE,
SOUTH PLATTE, AND PLATTE RIVERS**

Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT TORRINGTON, WYOMING					
10- 6	H. P. Eisenhuth	214	2.11	0.40	451
10-21	do	351	1.26	.41	445
10-27	do	333	1.21	.40	402
11- 4	do	330	1.26	.43	416
11-17	do	341	1.06	.35	302
NORTH PLATTE RIVER AT NEBRASKA-WYOMING LINE AT HENRY, NEBRASKA					
10- 6	H. P. Eisenhuth	195	1.95	1.09	379
10-14	do	226	2.02	1.23	456
10-21	do	250	1.94	1.28	487
10-24	John A. Whiting, Jr.	.....	.....	1.24	510
10-27	H. P. Eisenhuth	256	1.95	1.32	499
11- 4	do	240	1.92	1.23	462
11-17	do	176	1.84	1.09	323
11-24	do	180	1.91	1.11	344
12- 9	do	186	2.10	1.23	391
12-19	do	219	1.83	1.26	401
1-12	do	210	1.85	1.22	388
1-24	do	183	1.42	1.66	259
2- 2	do	251	1.53	1.64	381
2-17	do	191	1.83	1.18	349
3- 1	do	211	1.75	1.16	369
3-15	John A. Whiting, Jr.	.....	.....	1.13	368
3-27	H. P. Eisenhuth	165	1.85	.98	306
4- 4	do	143	1.93	.95	276
4-16	do	135	1.84	1.08	369
4-27	do	154	1.85	.93	285
5- 3	do	183	1.75	.98	320
5- 7	John A. Whiting, Jr.	.....	.....	.88	258
5-10	H. P. Eisenhuth	116	1.67	.77	194
5-14	John A. Whiting, Jr.	.....	.....	1.43	638
5-17	H. P. Eisenhuth	399	2.27	1.76	907
5-22	John A. Whiting, Jr.	.....	.....	1.72	883
5-24	H. P. Eisenhuth	377	2.19	1.67	827
5-28	John A. Whiting, Jr.	.....	.....	1.69	832
5-31	H. P. Eisenhuth	412	2.18	1.78	899
6- 3	John A. Whiting, Jr.	.....	.....	2.37	1550
6- 7	H. P. Eisenhuth	407	1.90	1.51	773
6-11	John A. Whiting, Jr.	.....	.....	1.64	906
6-14	H. P. Eisenhuth	351	2.05	1.51	719
6-18	John A. Whiting, Jr.	.....	.....	1.83	1047
6-21	H. P. Eisenhuth	509	2.16	1.95	1100
6-25	John A. Whiting, Jr.	.....	.....	2.01	1222
6-28	H. P. Eisenhuth	514	2.14	1.90	1100
7- 2	John A. Whiting, Jr.	.....	.....	1.82	1018
7- 5	H. P. Eisenhuth	467	2.06	1.80	963
7- 9	John A. Whiting, Jr.	.....	.....	1.72	966
7-12	H. P. Eisenhuth	412	1.91	1.56	787

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT HENRY—Concluded					
7-17	John A. Whiting, Jr.	.....	.....	1.41	699
7-19	H. P. Eisenhuth	316	2.05	1.33	648
7-23	John A. Whiting, Jr.	.....	.....	1.49	802
7-26	H. P. Eisenhuth	376	2.14	1.46	803
7-30	John A. Whiting, Jr.	.....	.....	1.47	784
8- 2	H. P. Eisenhuth	402	2.08	1.50	838
8- 6	John A. Whiting, Jr.	.....	.....	1.21	618
8- 9	H. P. Eisenhuth	318	1.99	1.23	634
8-13	John H. Whiting, Jr.	.....	.....	1.26	609
8-16	H. P. Eisenhuth	304	1.88	1.19	571
8-20	do	216	1.79	.93	386
8-23	John A. Whiting, Jr.	.....	.....	.82	315
8-27	do	.....	.....	.95	362
8-30	H. P. Eisenhuth	192	2.11	1.10	406
9- 2	John A. Whiting, Jr.	.....	.....	1.11	428
9- 6	H. P. Eisenhuth	231	1.97	1.17	455
9-10	John A. Whiting, Jr.	.....	.....	1.20	471
9-13	H. P. Eisenhuth	218	2.06	1.14	449
9-17	John A. Whiting, Jr.	.....	.....	1.12	432
9-20	H. P. Eisenhuth	181	1.98	1.01	359
9-27	do	207	1.81	1.06	373
NORTH PLATTE RIVER, SOUTH CHANNEL Below Gering Spillway—Sec. 3-23-58 W.					
5-31	A. W. Hall	14	1.22	1.29	17
8-29	do	14	.71	1.13	10
NORTH PLATTE RIVER, NORTH CHANNEL Below Tri-State Needle Dam—Sec. 10-23-58 W.					
5-31	A. W. Hall	4	1.09	.....	4
8-29	do	3	1.04	.....	3
NORTH PLATTE RIVER Below Tri-State Diversion—NE $\frac{1}{4}$ Sec. 14-23-58 W.					
5-31	A. W. Hall	23	1.20	0.73	28
6-18	Guy C. Thatcher	.....	.....	.85	59
NORTH PLATTE RIVER, RAMSHORN CHANNEL Below Tri-State Control and Spillway—Sec. 13-23-58 W.					
5-31	A. W. Hall	.....	.....	.....	1
7-21	do	42	1.63	0.90	68
8- 8	H. P. Eisenhuth	39	1.68	.....	65
8- 9	do	41	1.85	.....	76
8-15	do	29	1.54	.....	44
8-29	A. W. Hall	.....	.....	.....	0
NORTH PLATTE RIVER Enterprise Headgate—Sec. 27-23-57 W.					
8-29	A. W. Hall	22	0.96	.....	21

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT MITCHELL					
10- 5	H. P. Eisenhuth	97	1.87	0.89	181
10-21	do	209	1.69	1.69	650
10-27	do	297	2.00	1.62	534
11- 2	do	266	2.12	1.58	564
11-16	do	230	2.08	1.39	478
11-24	do	210	2.19	1.34	460
12- 8	do	258	2.17	1.50	559
12-18	do	248	2.15	1.48	531
1-12	do	282	2.27	1.61	639
1-25	do	232	1.79	1.82	416
2- 3	do	263	2.17	1.55	571
2-19	do	272	2.18	1.56	592
3- 2	do	256	2.28	1.54	584
3-16	do	245	2.22	1.46	544
3-26	do	213	2.22	1.07	472
4- 3	do	228	2.22	1.16	506
4-15	do	252	2.10	1.27	528
4-26	Eisenhuth-Hervert	230	2.03	1.24	467
5- 2	H. P. Eisenhuth	222	2.05	1.22	456
5-10	do	115	1.74	.75	200
5-22	do	67	1.62	.49	108
5-31	do	52	1.56	.38	80
6- 5	do	295	2.30	1.61	680
6- 6	do	437	2.61	2.32	1140
6-13	do	74	1.62	.60	120
6-20	do	79	1.73	.58	137
7- 3	do	62	1.65	.59	103
7-11	do	59	1.60	.47	94
7-18	do	66	1.53	.62	101
7-26	do	101	1.76	.56	178
8- 1	do	84	1.57	.70	132
8- 7	do	60	1.65	.51	98
8-15	do	53	1.64	.42	87
8-20	do	17	1.49	.36	69
8-28	do	47	1.54	.30	73
9- 5	do	49	1.48	.29	72
9-12	do	57	1.76	.46	100
9-19	do	49	1.56	.34	76
9-26	do	64	1.71	.46	115
NORTH PLATTE RIVER					
Winters Creek Canal Headgate—Sec. 17-22-55 W.					
8-29	A. W. Hall	52	1.83	.....	94
NORTH PLATTE RIVER					
Minatare Canal Headgate—Sec. 32-22-54 W.					
8-29	A. W. Hall	37	1.29	.....	48
NORTH PLATTE RIVER					
Castle Rock Canal—Sec. 3-21-54 W.					
8-29	A. W. Hall	16	1.08	.....	17

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT MINATARE					
10- 4	H. P. Eisenhuth	141	1.95	0.58	275
10-21	do	256	1.94	.93	496
10-28	do	254	1.80	.92	454
11- 1	do	208	2.13	.96	443
11-14	do	180	2.06	.74	371
11-25	do	168	2.03	.76	341
12- 4	do	201	2.08	.90	419
12-18	do	180	2.29	.84	412
1-10	do	405	1.84	1.85	744
1-26	do	237	2.00	1.82	473
2- 6	do	216	2.28	1.07	492
2-20	do	183	2.36	.93	431
3- 4	do	201	2.19	.94	442
3-15	do	195	2.37	.89	463
3-26	do	172	2.45	.78	422
4- 2	do	166	2.13	.75	353
4-15	do	168	2.29	.79	385
4-26	do	163	2.15	.83	350
5- 1	do	186	2.22	.95	412
5- 9	do	117	2.03	.62	237
5-20	do	32	1.54	-.05	49
5-28	do	10	1.25	-.38	13
6- 4	do	91	1.83	.38	166
6- 6	do	434	2.20	1.49	957
6-14	do	67	1.83	.27	122
6-21	do	41	1.33	.05	54
7- 2	do	70	1.71	.18	120
7-10	do	33	1.48	-.05	49
7-17	do	71	1.58	.21	112
7-22	do	81	1.66	.30	134
7-30	do	106	2.05	.50	217
8- 7	do	13	1.30	-.35	17
8-14	do	8	1.13	-.44	9
8-20	do	7	1.02	-.42	8
8-27	do	13	1.28	-.32	17
9- 4	do	40	1.48	-.02	60
9-11	do	108	.91	.21	99
9-18	do	62	1.45	.17	89
9-25	do	117	1.45	.49	170
NORTH PLATTE RIVER AT MINATARE					
NINE MILE CHANNEL					
10- 4	H. P. Eisenhuth	97	1.98	2.04	193
10-21	do	121	3.35	3.15	406
10-28	do	119	3.34	3.02	398
11- 1	do	114	3.57	3.04	407
11-14	do	155	2.51	2.82	389
11-25	do	140	2.36	2.62	331
12- 4	do	158	2.51	2.80	397
12-18	do	138	2.53	2.59	349

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT MINARTARE					
• NINE MILE CHANNEL—Concluded					
1-10	H. P. Eisenhuth	157	1.80	.....	283
1-26	do	117	1.68	.....	197
2- 6	do	135	2.44	2.42	329
2-20	do	132	2.54	2.44	335
3- 4	do	135	2.46	2.42	332
3-15	do	136	2.53	2.39	344
3-26	do	123	2.33	2.17	286
4- 2	do	131	2.40	2.23	315
4-15	do	125	2.36	2.19	295
4-26	do	121	2.42	2.05	293
5- 1	do	133	2.35	2.19	312
5- 9	do	90	2.07	1.58	186
5-20	do	37	1.59	.52	59
5-28	do	13	1.06	-.16	14
6- 4	do	35	1.87	.60	66
6- 6	do	120	4.03	3.03	484
6-14	do	62	1.90	1.04	118
6-21	do	24	1.14	.12	27
7- 2	do	55	1.97	1.06	108
7-10	do	37	1.85	.80	68
7-17	do	48	2.10	1.00	101
7-22	do	36	1.80	.71	65
7-30	do	74	2.05	1.56	151
8- 6	do	15	.51	.08	8
8- 7	do	7	1.49	.12	10
8-14	do	9	1.50	.10	13
8-20	do	5	1.36	-.02	7
8-27	do	10	1.35	.12	13
9- 4	do	10	1.53	.17	16
9-11	do	38	2.07	.96	79
9-18	do	38	1.86	.89	70
9-25	do	79	2.25	1.79	178
NORTH PLATTE RIVER					
Belmont Canal Headgate—Sec. 18-20-51 W.					
8-30	A. W. Hall	35	1.12	.....	39
NORTH PLATTE RIVER AT BRIDGEPORT					
10- 3	H. P. Eisenhuth	334	1.82	5.25	609
10-10	do	505	2.02	5.57	1020
10-19	do	566	2.16	5.72	1220
10-24	do	595	1.97	5.67	1170
10-31	do	543	2.06	5.66	1120
11- 7	do	500	2.12	5.61	1060
11-14	do	460	2.12	5.60	977
11-25	do	460	2.11	5.60	971
11-29	do	450	2.14	5.63	961
12-11	do	516	2.03	5.62	1050
12-21	Fred Hervert	463	2.11	5.57	975
1- 8	H. P. Eisenhuth	544	1.08	6.28	590

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Pt.
NORTH PLATTE RIVER AT BRIDGEPORT—Concluded					
1-15	K. S. Essex	714	1.65	6.35	1180
1-20	do	410	1.21	6.26	497
1-29	Eisenhuth-Chase	580	1.84	6.53	1070
2- 5	H. P. Eisenhuth	692	1.81	6.30	1250
2-12	do	541	2.12	5.72	1150
2-19	do	488	2.07	5.58	1010
2-26	do	507	2.03	5.64	1030
3- 4	do	506	2.06	5.68	1040
3-11	do	463	2.04	5.60	944
3-14	do	445	2.12	5.54	914
3-18	do	446	2.17	5.57	966
3-25	do	439	2.05	5.53	902
4- 1	do	466	1.88	5.48	878
4- 8	do	438	2.15	5.54	943
4-15	do	419	2.06	5.18	863
4-22	do	421	2.16	5.54	910
4-29	do	556	2.14	5.74	1190
5- 6	do	390	1.94	5.43	757
5-13	do	214	1.66	5.02	355
5-20	do	110	1.28	4.70	141
5-27	do	56	1.40	4.50	79
5-29	do	57	1.30	4.47	74
6- 3	do	38	1.34	4.40	51
6- 7	A. W. Hall	652	2.19	5.95	1430
6-10	H. P. Eisenhuth	282	2.06	5.20	582
6-17	do	121	1.52	4.81	184
6-21	Fred Hervert	62	1.27	4.48	79
6-24	H. P. Eisenhuth	124	1.51	4.80	187
7- 1	do	176	1.69	5.00	298
7- 8	do	86	1.51	4.68	130
7-13	do	38	1.28	4.40	48
7-16	do	49	1.32	4.46	61
7-22	do	177	1.72	4.99	305
7-29	do	233	1.87	5.14	435
8- 6	do	30	1.16	4.29	35
8-13	do	30	.97	4.24	29
8-20	do	31	.85	4.22	26
8-26	do	34	.82	4.28	28
9- 3	do	32	1.14	4.28	36
9-10	do	104	1.36	4.60	111
9-17	do	93	1.52	4.79	141
9-24	do	145	1.52	5.02	221
NORTH PLATTE RIVER AT BRIDGEPORT					
BROWNS CREEK CHANNEL					
10- 3	H. P. Eisenhuth	51	1.85	1.94	94
10-10	do	53	1.93	2.03	102
10-19	do	54	1.85	2.10	99
19-24	do	52	1.84	2.07	95

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT BRIDGEPORT					
BROWNS CREEK CHANNEL—Continued					
10-31	H. P. Eisenhuth	50	1.82	1.97	91
11- 7	do	46	1.79	1.96	82
11-14	do	47	1.82	1.92	85
11-25	do	44	1.81	1.88	80
11-29	do	44	1.81	1.86	80
12-11	do	46	1.86	1.89	86
12-21	Fred Hervert	48	1.67	1.85	80
1- 9	H. P. Eisenhuth	31	1.86	1.78	58
1-15	K. S. Essex	42	1.96	1.79	83
1-20	do	26	1.03	1.60	27
1-29	H. P. Eisenhuth	48	1.96	1.92	95
2- 5	do	41	1.82	1.78	75
2-12	do	35	1.65	1.59	57
2-19	do	32	1.49	1.45	48
2-26	do	29	1.52	1.35	43
3- 4	do	29	1.52	1.35	44
3-11	do	29	1.52	1.35	43
3-14	do	30	1.59	1.36	45
3-18	do	30	1.58	1.35	47
3-25	do	29	1.18	1.21	34
4- 1	do	30	1.41	1.23	42
4- 8	do	31	1.36	1.20	42
4-15	do	29	1.34	1.22	39
4-22	do	26	1.14	1.08	30
4-29	do	31	1.50	1.28	46
5- 6	do	27	1.17	1.12	32
5-13	do	32	1.23	1.20	39
5-20	do	31	1.10	1.12	34
5-27	do	30	.96	1.09	29
5-29	do	30	1.05	1.12	31
6- 3	do	35	1.20	1.22	42
6- 7	A. W. Hall	59	2.17	2.15	127
6-10	H. P. Eisenhuth	43	2.21	1.79	94
6-17	do	28	1.26	1.12	35
6-21	Fred Hervert	15	1.00	.86	15
6-24	H. P. Eisenhuth	30	1.64	1.26	50
7 -1	do	30	1.66	1.24	50
7- 8	do	8	1.08	.76	8
7-13	do	23	1.26	1.04	29
7-16	do	28	1.78	1.24	47
7-22	do	43	2.13	1.68	91
7-29	do	35	1.84	1.44	64
8- 6	do	36	1.29	1.20	46
8-13	do	29	1.27	1.16	37
8-20	do	32	1.19	1.15	38
8-26	do	33	1.32	1.24	43
9- 3	do	38	1.32	1.30	50
9-10	do	43	2.11	1.70	91

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT BRIDGEPORT					
BROWNS CREEK CHANNEL—Concluded					
9-17	H. P. Eisenhuth	39	1.73	1.50	67
9-24	do	42	2.03	1.62	86
NORTH PLATTE RIVER AT LISCO					
10-10	Fred Hervert	606	1.88	1.66	1140
10-24	do	644	2.10	1.77	1390
11- 7	do	629	2.13	1.64	1340
11-17	do	586	2.10	1.62	1230
12- 2	do	622	1.98	1.61	1230
12-15	do	551	2.16	1.60	1190
1- 8	do	405	1.47	2.06	596
1-26	do	689	1.79	2.62	1230
2-15	do	858	1.81	2.19	1550
3- 4	do	652	2.02	1.56	1320
3-15	do	607	2.04	1.58	1240
3-29	do	547	1.94	1.52	1060
4-15	do	524	1.91	1.52	1000
4-29	A. W. Hall	696	2.10	1.72	1460
5- 9	do	400	2.00	1.32	798
5-21	do	128	1.65	.73	212
6- 8	do	825	2.06	1.90	1700
6-17	do	165	1.61	.79	265
6-20	do	76	1.38	.50	105
6-28	Fred Hervert	132	1.66	.87	219
7- 8	A. W. Hall	127	1.43	.80	181
8- 2	do	150	1.45	.88	217
8- 9	do	43	1.13	.52	48
8-13	do	14	1.03	.33	14
8-31	do	80	1.31	.75	104
9- 9	Fred Hervert	104	1.46	.86	152
9-18	do	142	1.41	.96	200
9-30	do	232	1.69	1.19	392
NORTH PLATTE RIVER AT OSHKOSH					
10-11	Fred Hervert	626	1.73	1.76	1086
10-24	do	720	1.84	1.84	1325
11- 6	do	690	1.82	1.85	1260
11-17	do	582	2.13	1.75	1240
12- 2	do	647	1.88	1.77	1220
12-15	do	586	1.99	1.76	1166
1- 9	do	502	1.22	2.18	615
1-27	do	583	1.77	2.73	1025
2-16	do	893	1.70	2.87	1520
3- 4	do	678	2.02	1.77	1370
3-16	do	621	1.99	1.80	1240
3-29	do	560	1.92	1.68	1080
4-16	do	607	1.87	1.68	1140
4-29	A. W. Hall	628	1.94	1.70	1220

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Pt.
NORTH PLATTE RIVER AT OSHKOSH—Concluded					
5- 9	A. W. Hall	472	1.72	1.40	812
5-21	do	112	1.44	.90	204
6- 6	do	417	1.70	1.46	709
6-20	do	86	1.21	.82	104
6-28	Fred Hervert	128	1.33	.98	170
7- 8	A. W. Hall	133	1.41	.94	187
8- 1	do	202	1.55	1.19	313
8- 9	do	34	1.33	.70	45
8-13	do	14	1.09	.50	16
8-20	Fred Hervert	4	.84	.34	3
8-31	A. W. Hall	65	1.31	.85	86
9-10	Fred Hervert	108	1.27	.97	137
9-18	do	147	1.27	1.06	186
NORTH PLATTE RIVER AT OSHKOSH MIDLAND CHANNEL					
10-11	Fred Hervert	20	1.52	1.84	30
10-24	do	21	1.64	1.85	34
11- 6	do	13	1.48	1.50	18
11-17	do	13	1.55	1.52	20
12- 2	do	9	1.27	2.08	12
12-15	do	11	1.38	1.50	16
1- 9	do	7	.90	1.30	6
1-27	do	.....	.....	.....	4
2-16	do	13	1.15	1.54	15
3- 4	do	14	1.41	1.65	20
3-16	do	13	1.58	1.67	20
3-29	do	12	1.33	1.57	16
4-16	do	10	1.09	1.52	11
4-29	A. W. Hall	9	1.44	1.58	13
5- 9	do	6	1.33	1.31	8
5-21	do	6	.94	1.33	5
6- 6	do	23	1.70	2.30	39
6-20	do	7	1.17	1.40	8
6-28	Fred Hervert	4	1.29	1.25	5
7- 8	A. W. Hall	3	.96	1.20	3
8- 1	do	3	1.23	1.23	4
8- 9	do	.....	.....	.....	0
8-13	do	.....	.....	.....	0
8-31	do	1	.78	1.10	1
9-10	Fred Hervert	5	1.21	1.35	6
9-18	do	4	1.03	1.28	5
NORTH PLATTE RIVER AT KEYSTONE Sec. 1-14-38 W.					
4-23	Fred Hervert	186	1.95	0.93	362
5- 9	do	193	1.67	.85	323
5-15	do	196	1.91	.92	373
5-23	do	162	1.65	.75	268
5-28	do	103	1.18	.45	122

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT KEYSTONE—Concluded					
6-12	Fred Hervert	82	1.00	0.36	83
6-18	do	180	1.74	.83	314
6-26	do	95	1.12	.40	107
7- 7	do	183	1.79	.84	328
7-20	do	21	.85	.02	20
8-14	do	18	1.12	.....	20
8-21	do	21	1.18	.07	25
8-29	do	131	1.54	.61	202
9-11	do	106	1.27	.48	134
NORTH PLATTE RIVER AT SUTHERLAND					
10- 8	Fred Hervert	248	1.40	3.50	347
10-19	do	711	1.86	3.96	1320
11- 4	do	841	2.00	4.04	1680
11-28	do	476	1.81	3.64	860
12-17	do	130	1.55	3.12	201
1-11	do	398	1.15	4.03	456
1-31	do	622	1.40	4.96	874
2-23	do	742	1.48	4.70	1100
3- 5	do	479	1.82	3.52	872
3-19	do	178	1.35	3.20	240
4- 3	do	120	1.04	2.89	125
4-23	do	332	1.66	3.49	551
5- 7	do	35	1.07	2.76	38
5-15	do	59	1.44	2.96	85
5-24	do	30	.79	2.78	23
6- 1	do	12	.87	2.68	10
6- 5	do	286	1.48	3.36	424
6- 6	do	455	1.79	3.65	814
6-16	do	22	.78	2.62	17
6-25	do	7	.81	2.58	6
7- 2	do	6	.83	2.57	5
7- 5	do	178	1.15	3.35	258
7-18	do	1	.55	2.64	1
8- 1	do	4	.55	2.65	2
8-13	do	3	.57	2.58	2
8-21	do	3	.72	2.61	2
8-29	do	4	.48	2.57	2
9-11	do	5	.83	2.71	4
9-19	do	3	.76	2.55	2
NORTH PLATTE RIVER AT NORTH PLATTE					
10- 7	Fred Hervert	338	1.52	2.73	513
10-19	do	740	2.09	3.20	1550
11- 4	do	814	2.30	3.34	1870
12- 4	do	490	1.77	2.94	867
12-17	do	297	1.79	2.64	531
1-12	do	387	1.62	3.26	628
2- 1	do	608	1.89	3.96	1150

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
NORTH PLATTE RIVER AT NORTH PLATTE—Concluded					
2-24	Fred Hervert	569	1.90	3.19	1080
3- 6	do	516	2.25	2.75	1160
3-19	do	289	1.71	2.34	497
4- 4	do	224	1.54	2.31	345
4-22	do	422	1.91	2.74	807
5- 7	do	186	1.55	2.31	288
5-15	do	146	1.47	2.10	214
5-24	do	185	1.55	2.29	287
6- 1	do	120	1.41	2.08	169
6- 6	do	491	1.96	2.96	962
6-16	do	139	1.54	2.15	214
6-24	do	105	1.47	2.12	154
6-30	do	61	1.12	1.97	69
7- 4	do	175	1.67	2.36	233
7-10	do	142	1.31	2.15	186
7-15	do	93	1.33	2.06	124
7-19	do	42	1.23	1.97	52
7-23	do	91	1.29	2.05	117
7-27	do	27	1.27	1.86	34
8- 2	do	31	1.21	1.91	37
8- 7	do	32	1.33	1.96	43
8-12	do	35	1.28	1.97	45
8-22	do	34	1.32	1.96	44
8-30	do	52	1.24	2.03	64
9-12	do	65	1.45	2.07	94
9-20	do	96	1.30	2.19	125

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 1
 (Nebraska Measurements)

10- 6	K. S. Essex	.....	.....	.....	0
11-20	do	.....	.....	.....	0
12- 2	do	.....	.....	.....	0
12-18	do	.....	.....	.....	0
12-29	do	.....	.....	.....	0
1-30	do	.....	.....	0.68	1
2-16	do	.....	.....	.....	1
3- 8	do	.....	.....	.74	0
3-15	do	.....	.....	.....	1
3-30	do	.....	.....	.74	0
4-13	do	.....	.....	.....	0
4-29	do	.....	.....	.....	0
5-11	do	.....	.....	.....	0
5-27	do	.....	.....	.....	0
6- 7	do	.....	.....	.....	0
6-26	do	.....	.....	.....	0
7- 4	do	.....	.....	.....	0
8- 1	do	.....	.....	.....	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 1—Concluded					
8- 7	K. S. Essex	.....	.....	.....	0
8-30	do	.....	.....	.....	0
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 1					
(Colorado Measurements)					
9-14	C. E. Schnurr	.....	.....	0.12	0
10-11	W. E. Wagner	.....	.....	.....	0
10-27	do	.....	.....	.....	0
11-28	C. E. Schnurr	.....	.....	.....	0
12-20	W. E. Wagner	.....	.....	.....	0
1-25	C. E. Schnurr	.....	.....	.51	0
2-20	W. E. Wagner	.....	.....	.75	1
3-18	C. E. Schnurr	.....	.....	.78	0
4-11	W. E. Wagner	.....	.....	.45	0
5-15	C. E. Schnurr	.....	.....	.....	0
6-11	W. E. Wagner	.....	.....	.25	0
7-11	C. E. Schnurr	.....	.....	.14	0
8-16	W. E. Wagner	.....	.....	.02	0
9-12	C. E. Schnurr	.....	.....	-.08	0
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 2					
(Nebraska Measurements)					
10- 6	K. S. Essex	17	1.94	0.31	34
11-20	do	24	2.20	.52	52
12- 2	do	39	1.91	.68	75
12-18	do	26	2.01	.53	53
12-29	do	111	.69	1.96	76
1-30	do	55	2.02	2.02	111
2-16	do	103	2.29	1.50	236
3- 8	do	100	2.19	1.39	219
3-15	do	121	2.32	1.60	281
3-30	do	67	2.21	1.03	148
4-13	do	35	1.91	.55	66
4-29	do	28	1.76	.35	49
5-11	do	18	1.68	.24	31
5-27	do	27	1.62	.29	44
6- 7	do	77	2.28	1.34	176
6-26	do	19	1.46	.05	28
7- 4	do	14	1.76	.02	25
8- 1	do	11	1.86	.13	21
8- 7	do	10	1.65	.17	17
8-30	do	10	1.67	.19	16
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 2					
(Colorado Measurements)					
10-11	W. E. Wagner	.....	.....	0.46	47
10-27	do	.....	.....	.43	57

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 2—Concluded					
11-28	C. E. Schnurr	.....	.....	0.51	53
12-20	W. E. Wagner	.....	.....	.44	47
1-25	C. E. Schnurr	.....	.....	1.70	87
2-20	W. E. Wagner	.....	.....	1.32	250
3-18	C. E. Schnurr	.....	.....	1.56	273
4-11	W. E. Wagner	.....	.....	.46	58
5-14	C. E. Schnurr	.....	.....	.21	35
6-11	W. E. Wagner	.....	.....	.40	60
7-11	C. E. Schnurr	.....	.....	.91	22
8-16	W. E. Wagner	.....	.....	1.27	47
9-12	C. E. Schnurr	.....	.....	.81	19
9-13	do	.....	.....	.91	18
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 3					
(Nebraska Measurements)					
10- 6	K. S. Essex	.....	.....	.....	0
11-20	do	.....	.....	.....	0
12- 2	do	.....	.....	.....	0
12-18	do	.....	.....	.....	0
12-29	do	.....	.....	.....	0
1-30	do	.....	.....	.....	0
2-16	do	.....	.....	.....	0
3- 8	do	.....	.....	.....	0
3-15	do	.....	.....	.....	0
3-30	do	.....	.....	.....	0
4-13	do	.....	.....	.....	0
4-29	do	.....	.....	.....	0
5-11	do	.....	.....	.....	0
5-27	do	.....	.....	.....	0
6- 7	do	.....	.....	.....	0
6-26	do	.....	.....	.....	0
7- 4	do	.....	.....	.....	0
8- 1	do	.....	.....	.....	0
8- 7	do	.....	.....	.....	0
8-30	do	.....	.....	.....	0
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 4					
(Nebraska Measurements)					
10- 6	K. S. Essex	1	0.82	0.50	1
11-20	do	2	.65	.61	1
12- 2	do	2	.68	.81	1
12-18	do	2	.66	1.10	1
12-29	do	2	.80	.85	1
1-30	do	16	2.13	1.26	34
2-16	do	18	2.03	1.18	36
3- 8	do	16	2.10	1.14	34
3-15	do	22	2.21	1.43	50

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 4—Concluded					
3-30	K. S. Essex	8	2.15	0.53	16
4-13	do	1	1.14	.22	2
4-29	do	1	.85	.32	1
5-11	do	1	1.00	.39	1
5-27	do	1	.86	.51	1
6- 7	do	14	1.37	.88	19
6-26	do	0	.56	.02	0
7- 4	do	.....	.....	.04	0
8- 1	do	.....	.....	.01	0
8- 7	do	.....	.....	.02	0
8-30	do	.....	.....	.04	0
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 4 (Colorado Measurements)					
9-14	C. E. Schnurr	.....	.....	0.55	1
10-11	W. E. Wagner	.....	.....	.56	2
10-27	do	.....	.....	.58	1
11-28	C. E. Schnurr	.....	.....	.62	1
12-20	W. E. Wagner	.....	.....	.80	1
1-25	C. E. Schnurr	.....	.....	.72	14
2-20	W. E. Wagner	.....	.....	1.05	39
3-18	C. E. Schnurr	.....	.....	1.35	49
4-11	W. E. Wagner	.....	.....	.16	4
5-15	C. E. Schnurr	.....	.....	.50	1
6-11	W. E. Wagner	.....	.....	.09	2
7-11	C. E. Schnurr	.....	.....	.03	1
8-16	W. E. Wagner	.....	.....	-.02	0
9-12	C. E. Schnurr	.....	.....	.13	0
SOUTH PLATTE RIVER AT OGALLALA					
4-24	Fred Hervert	35	1.84	0.75	65
SOUTH PLATTE RIVER AT PAXTON					
10-12	Fred Hervert	10	1.37	1.06	14
10-22	do	12	1.44	1.08	18
11- 5	do	14	1.68	1.12	24
11-29	do	19	1.59	1.18	30
12-12	do	19	1.72	1.22	33
1-30	do	73	1.61	2.68	118
2-22	do	133	2.08	2.38	277
3- 5	do	161	1.96	2.40	315
3-18	do	164	2.12	2.48	348
4- 2	do	99	1.95	2.21	193
4-23	do	44	1.64	1.90	73
5- 8	do	30	1.74	1.73	52
5-15	do	26	1.51	1.68	40
5-23	do	35	1.52	1.80	53
6- 6	do	60	1.66	2.00	100

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
SOUTH PLATTE RIVER AT PAXTON—Concluded					
6-18	Fred Hervert	24	1.53	1.71	37
6-25	do	14	1.52	1.59	22
7- 2	do	12	1.32	1.53	16
7-20	do	12	1.29	1.53	16
8-14	do	4	.65	1.21	3
8-21	do	2	.80	1.21	1
8-29	do	5	.52	1.06	3
9-11	do	4	.93	1.39	4
9-19	do	3	.32	1.20	1
SOUTH PLATTE RIVER AT NORTH PLATTE					
10- 7	Fred Hervert	32	1.45	0.64	46
10-20	do	36	1.31	.68	48
11- 3	do	45	1.51	.78	67
11-29	do	42	1.64	.75	71
12-17	do	44	1.72	.77	76
1-12	do	88	1.32	.86	116
2- 1	do	104	1.58	1.02	164
2-23	do	182	1.88	1.30	343
3- 6	do	179	1.94	1.28	347
3-19	do	188	2.98	1.24	373
4- 4	do	133	1.79	.89	238
4-21	do	88	1.69	.72	149
5- 7	do	77	1.47	.62	130
5-16	do	61	1.65	.49	101
5-24	do	78	1.77	.69	138
6- 1	do	56	1.58	.45	88
6- 6	do	120	1.83	.90	220
6-16	do	67	1.76	.41	117
6-24	do	39	1.50	.23	58
7- 1	do	29	1.67	.18	48
7- 5	do	27	1.69	.18	46
7- 9	do	22	1.65	.17	37
7-15	do	55	1.55	.27	85
7-19	do	28	1.60	.18	44
7-23	do	21	1.69	.17	36
7-27	do	16	1.57	.17	25
8- 2	do	16	1.34	.18	22
8- 7	do	21	1.33	.43	28
8-12	do	21	1.43	.38	30
8-22	do	16	1.36	.30	22
8-30	do	20	1.44	.29	29
9-12	do	23	1.42	.27	33
9-20	do	21	1.35	.23	28
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 1					
10- 6	Fred Hervert	307	1.59	2.02	487
10-18	do	712	2.18	2.94	1600
11- 2	do	771	2.41	3.04	1860

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 1—Concluded					
12- 5	Fred Hervert	564	2.16	2.76	1220
12-18	do	430	2.07	2.44	891
1-13	do	755	1.56	3.88	1180
2- 2	do	707	2.08	4.10	1470
2-25	do	709	1.79	3.68	1270
3- 7	do	786	2.23	2.88	1750
3-20	do	630	2.02	2.73	1270
4- 5	do	565	2.28	2.70	1290
4-20	do	846	2.26	3.20	1910
5- 6	do	579	1.95	2.72	1130
5-16	do	254	1.61	2.12	409
5-25	do	225	1.70	2.02	383
6- 2	do	174	1.42	1.82	247
6- 7	do	734	2.40	3.00	1760
6-15	do	304	1.57	2.16	476
6-24	do	147	1.38	1.74	204
7- 1	do	122	.90	1.53	110
7- 4	do	199	1.52	1.93	303
7- 8	do	315	1.66	2.17	524
7-12	do	272	1.72	2.08	471
7-16	do	236	1.64	2.00	388
7-20	do	318	1.86	2.28	593
7-24	do	481	1.81	2.62	872
7-29	do	392	1.78	2.47	697
7-31	do	403	1.64	2.42	659
8- 3	do	335	1.67	2.24	553
8- 8	do	216	1.48	2.04	320
8-10	do	120	1.14	1.78	137
8-13	do	101	1.45	1.77	146
8-23	do	49	.89	1.51	44
8-31	do	58	1.14	1.55	66
9-13	do	98	1.22	1.61	120
9-20	do	83	1.24	1.63	113
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 2					
10- 6	Fred Hervert	.....	.....	.....	0
10-18	do	.....	.....	.....	0
12- 5	do	.....	.....	.....	0
12-18	do	.....	.....	.....	0
2- 2	do	.....	.....	.....	0
2-25	do	.....	.....	.....	0
3- 7	do	.....	.....	.....	0
3-20	do	.....	.....	.....	0
4- 5	do	.....	.....	.....	0
4-20	do	.....	.....	.....	0
5- 6	do	.....	.....	.....	0
5-16	do	.....	.....	.....	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Fl.
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 2—Concluded					
5-25	Fred Hervert	.....	.....	.....	0
6- 2	do	.....	.....	.....	0
6- 7	do	.....	.....	.....	0
6-15	do	.....	.....	.....	0
6-24	do	.....	.....	.....	0
7- 1	do	.....	.....	.....	0
7- 4	do	.....	.....	.....	0
7-31	do	.....	.....	.....	0
8- 3	do	.....	.....	.....	0
8- 8	do	.....	.....	.....	0
8-10	do	.....	.....	.....	0
8-13	do	.....	.....	.....	0
8-23	do	.....	.....	.....	0
8-31	do	.....	.....	.....	0
9-13	do	.....	.....	.....	0
9-20	do	.....	.....	.....	0
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 3					
10- 6	Fred Hervert	.....	.....	.....	0
10-18	do	.....	.....	.....	0
12- 5	do	.....	.....	0.65	0
12-18	do	.....	.....	.52	0
2- 2	do	.....	.....	.....	0
2-25	do	.....	.....	.....	0
3- 7	do	.....	.....	.61	0
3-20	do	.....	.....	.56	0
4- 5	do	.....	.....	.57	0
4-20	do	.....	.....	.57	0
5- 6	do	.....	.....	.56	0
5-16	do	.....	.....	.56	0
5-25	do	.....	.....	.48	0
6- 2	do	.....	.....	.....	0
6- 7	do	3	0.67	.73	2
6-15	do	.....	.....	.58	0
6-24	do	.....	.....	.....	0
7- 1	do	.....	.....	.....	0
7- 4	do	.....	.....	.....	0
7-31	do	.....	.....	.....	0
8- 3	do	.....	.....	.....	0
8- 8	do	.....	.....	.....	0
8-10	do	.....	.....	.....	0
8-13	do	.....	.....	.....	0
8-23	do	.....	.....	.....	0
8-31	do	.....	.....	.....	0
9-13	do	.....	.....	.....	0
9-20	do	.....	.....	.....	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 4					
10- 6	Fred Hervert	.....	.....	.....	0
10-18	do	.....	.....	.....	0
11-13	A. W. Hall	36	1.60	0.96	57
12- 5	Fred Hervert	25	1.31	.82	34
12-18	do	12	1.21	.92	15
1-13	do	14	1.16	.97	16
2- 2	do	18	1.81	.97	32
2-25	do	33	1.69	1.11	55
3- 7	do	30	1.66	.99	51
3-20	do	23	1.52	.88	34
4- 5	do	22	1.44	.87	32
4-20	do	26	1.49	.92	38
5- 6	do	22	1.24	.88	27
5-16	do	8	1.07	.62	8
5-25	do	4	.95	.51	4
6- 2	do	2	.57	.47	1
6- 7	do	153	2.03	1.88	310
6-15	do	27	1.15	1.00	31
6-24	do	5	.50	.55	2
7- 1	do	.....	.....	.22	0
7- 4	do	4	.75	.56	3
7- 8	do	10	1.08	.70	10
7-12	do	17	1.17	.83	20
7-16	do	9	1.10	.72	9
7-20	do	15	.92	.79	14
7-24	do	24	1.17	.91	28
7-31	do	22	1.17	.87	26
8- 3	do	14	1.17	.79	17
8- 8	do	7	.92	.64	7
8-10	do	4	.81	.48	3
8-13	do	.....	.....	.35	0
8-23	do	.....	.....	.02	0
8-31	do	.....	.....	.38	0
9-13	do	.....	.....	.....	0
9-20	do	.....	.....	.....	0
PLATTE RIVER AT COZAD					
NORTH CHANNEL					
10-.5	Fred Hervert	.....	.....	0.20	0
10-17	do	241	2.13	1.67	513
10-31	do	58	1.22	.64	71
11-15	A. W. Hall	164	1.74	1.30	285
12- 5	Fred Hervert	334	2.07	1.80	690
12-18	do	226	2.14	1.61	483
1-15	do	368	1.61	2.10	593
2- 4	do	318	1.75	2.80	558
2-26	do	443	2.28	2.18	1010
3- 8	do	353	1.90	1.63	671

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
PLATTE RIVER AT COZAD					
NORTH CHANNEL—Concluded					
3-20	Fred Hervert	212	2.15	1.44	456
4- 5	do	193	1.39	1.21	268
4-19	do	120	1.85	1.10	222
5- 2	do	28	1.61	.41	45
5-17	do	89	2.18	1.04	195
5-26	do	25	1.72	.28	43
6- 2	do	93	1.78	.96	175
6- 7	do	526	2.45	2.42	1290
6-14	do	52	1.83	.56	96
6-23	do	74	1.58	.80	116
7- 1	do	2	.52	-.06	1
7- 6	do	48	1.51	.58	72
7-10	do	6	1.08	.12	7
7-14	do	10	1.17	.25	12
7-17	do	61	1.34	.66	81
7-22	do	46	1.47	.56	67
7-25	do	3	.79	.09	3
7-30	do	5	1.00	.12	5
8- 4	do	3	.90	.04	3
8- 9	do	4	.95	.03	4
8-12	do	4	1.03	.04	4
8-23	do	3	1.05	.00	3
8-31	do	4	1.07	.05	5
9-13	do	0	.42	-.16	0
9-20	do	1	.41	-.10	0
PLATTE RIVER AT COZAD					
SOUTH CHANNEL					
10- 5	Fred Hervert	.....	.....	0.27	0
10-17	do	19	0.68	.44	12
10-31	do	12	.86	.44	10
11-14	A. W. Hall	112	1.47	.82	164
12- 6	Fred Hervert	170	1.38	.91	235
12-18	do	119	1.33	.78	158
1-15	do	362	1.10	1.80	397
2- 4	do	493	1.52	2.44	748
2-26	do	412	1.73	2.00	711
3- 7	do	618	2.06	1.41	1270
3-20	do	438	1.87	1.24	821
4- 5	do	377	1.76	1.20	662
4-19	do	429	1.81	1.28	776
5- 2	do	330	1.64	1.09	542
5-17	do	67	1.61	.75	107
5-26	do	53	1.22	.68	64
6- 2	do	36	1.11	.62	40
6- 7	do	906	2.60	2.08	2360
6-14	do	318	2.63	.97	518
6-23	do	35	1.46	.33	37
7- 1	do	2	.38	-.03	1

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
PLATTE RIVER AT COZAD					
SOUTH CHANNEL—Concluded					
7- 6	Fred Hervert	1	0.83	-0.08	1
7-10	do	2	.87	.02	2
7-14	do	4	.71	-.06	3
7-17	do	0	.44	-.17	0
7-22	do	3	.59	-.24	2
7-25	do	3	1.05	-.22	3
7-30	do	5	1.28	.09	6
8- 4	do	3	.87	-.05	3
8- 9	do	3	.54	-.15	2
8-12	do	4	.75	-.12	3
8-23	do	.....	.....	-.43	0
8-31	do	.....	.....	-.36	0
9-13	do	.....	.....	-.58	0
9-20	do	.....	.....	-.60	0
PLATTE RIVER AT OVERTON					
10-16	Fred Hervert	358	1.55	2.50	554
10-31	do	52	1.15	2.22	60
11-14	A. W. Hall	208	1.47	2.46	305
12- 6	Fred Hervert	516	1.74	2.70	897
12-19	do	262	1.69	2.66	444
1-16	do	651	1.20	3.26	732
2- 5	do	663	1.93	3.83	1280
2-27	do	974	1.83	2.91	1780
3- 8	do	1010	1.99	2.86	2010
3-21	do	620	1.87	2.65	1160
4- 6	do	338	1.36	2.16	461
4-18	do	239	1.32	2.23	317
5- 1	do	264	1.48	2.33	390
5-17	do	25	1.05	1.87	38
5-26	do	61	1.19	1.94	73
6- 3	do	150	1.16	2.10	174
6- 8	do	1490	2.11	3.44	3110
6-13	do	538	1.48	2.38	794
6-23	do	42	1.42	1.84	60
7- 4	do	.....	.....	1.56	0
7-14	do	8	.63	1.47	5
7-30	do	.....	.....	1.25	0
8-23	do	.....	.....	1.09	0
9- 1	do	.....	.....	1.03	0
9-14	do	.....	.....	.96	0
PLATTE RIVER AT ODESSA					
12- 6	Fred Hervert	324	1.57	1.30	508
12-19	do	134	1.11	.90	149
2- 6	do	767	1.67	3.22	1280
2-27	do	944	2.00	2.52	1890
3- 8	do	939	1.85	1.62	1735
3-21	do	462	1.83	1.42	844

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
PLATTE RIVER AT ODESSA—Concluded					
4- 6	Fred Hervert	103	1.08	0.99	111
4-18	do	9	1.42	.83	13
5- 1	do	41	1.08	.92	44
5-17	do	.....	.....	.37	0
5-26	do	.....	.....	.29	0
6- 3	do	.....	.....	.52	0
6- 8	do	100	1.33	.96	133
6- 9	do	1260	2.17	2.30	2740
6-13	do	346	1.27	1.04	441
6-23	do	.....	.....	.....	0
7- 4	do	.....	.....	.....	0
7-13	do	.....	.....	.45	0
8-23	do	.....	.....	.....	0
9- 1	do	.....	.....	.....	0
PLATTE RIVER AT GRAND ISLAND					
10-11	C. B. Ham	.....	.....	.....	0
10-21	do	.....	.....	.....	0
11- 9	Glasier-Sawyer	.....	.....	.....	0
11-18	L. J. Glasier	.....	.....	.....	0
1- 8	C. B. Ham	232	0.57	3.38	132
1-24	do	260	.77	3.96	201
2- 6	do	280	1.40	4.13	392
2-20	do	1590	1.77	4.89	2820
3- 7	do	.....	.....	3.56	3230
3-18	do	1250	2.16	3.23	2700
4- 2	do	606	1.76	2.79	1070
4-16	Ham-Carstens	236	1.25	2.36	294
5- 2	C. B. Ham	274	1.38	2.42	370
5-20	do	33	.91	1.94	30
6-13	do	909	1.65	2.88	1500
6-20	do	3	1.50	1.91	4
7-10	L. J. Glasier	.....	.....	.....	0
7-25	do	.....	.....	.....	0
8- 8	do	.....	.....	.....	0
8-21	do	.....	.....	.....	0
9- 4	do	.....	.....	.....	0
9-18	do	.....	.....	.....	0
PLATTE RIVER AT DUNCAN					
10-13	C. B. Ham	.....	.....	.....	0
10-21	do	.....	.....	.....	0
11-10	Glasier-Sawyer	.....	.....	.....	0
11-18	L. J. Glasier	.....	.....	.....	0
1- 5	C. B. Ham	.....	.....	1.32	1
1-23	do	.....	.....	.....	1
1-27	do	10	0.88	3.60	9
2- 3	do	233	.81	2.70	192
2-21	do	1350	1.84	3.72	2480

MEASUREMENTS OF PLATTE RIVERS—Concluded
Year Ending September 30, 1940

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
PLATTE RIVER AT DUNCAN—Concluded					
3- 8	C. B. Ham	1380	2.51	2.49	3460
3-21	do	894	1.89	2.16	1690
4- 3	do	483	1.67	1.78	805
4-20	Ham-Carstens	242	1.41	1.66	341
5- 2	C. B. Ham	269	1.41	1.69	378
5-22	Ham-Carstens	27	1.30	1.14	36
6- 4	C. B. Hamm	4	.56	.88	2
6-14	do	957	2.02	2.54	1930
6-26	do	6	.99	.93	5
7-11	L. J. Glasier	.....	.....	.61	0
7-23	do	.....	.....	.....	2
8- 9	do	.....	.....	.....	0
8-23	do	.....	.....	.79	1
9- 5	do	.....	.....	.58	0
9-19	do	.....	.....	.....	0
PLATTE RIVER AT ASHLAND					
10- 3	C. H. Jennings	650	1.86	1.26	1210
10-14	C. B. Ham	1009	2.11	1.63	2130
10-23	do	947	1.92	1.61	1820
11- 3	D. S. Wilder	1180	1.71	1.58	2020
11-11	Glasier-Sawyer	1090	1.81	1.74	1970
11-20	L. J. Glasier	1070	1.97	1.78	2110
12- 4	Short-Pierce	1250	1.82	1.78	2280
1- 3	C. B. Ham	623	1.20	2.25	749
1-12	do	894	1.45	2.54	1300
1-22	do	1010	1.72	2.90	1740
2- 2	do	899	1.60	2.80	1440
2-12	do	1290	1.67	3.45	2150
3- 9	do	4290	3.01	4.82	12900
3-15	do	1280	2.20	1.88	2820
3-25	do	1850	2.34	2.35	4330
4- 5	do	1430	2.35	2.02	3360
4-15	Carstens-Ham	1350	2.43	1.92	3150
4-26	C. B. Ham	1880	2.52	2.53	4730
5- 6	do	1380	2.12	1.87	2920
5-16	do	1470	2.27	2.03	3340
5-27	do	980	1.77	1.50	1730
6- 6	do	4360	3.53	4.36	15400
6-15	do	2630	2.21	2.77	6110
6-27	do	1170	2.06	1.82	2410
7-12	L. J. Glasier	611	1.75	1.20	1070
7-22	do	365	1.74	.97	635
7-31	do	339	1.69	.88	572
8-13	do	811	1.68	1.31	1360
8-24	do	489	1.63	1.06	796
9- 6	do	458	1.99	1.14	831
9-16	do	491	1.84	1.24	901
9-25	do	468	1.66	1.17	776

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
APPLEGATE DRAIN					
Sec. 31-13-33 W.					
2-18	A. W. Hall	40.2	6- 9	Fred Hervert	42.4
4- 5	do	57.1	7-21	A. W. Hall	31.5
5-10	Fred Hervert	24.4	8-18	Fred Hervert	7.1
5-19	do	40.9	8-31	do	27.2
ARIKAREE RIVER					
Haigler—Sec. 28-1-41 W.					
10- 6	R. A. Wahl	6.3	4-22	Essex-Dodd	10.3
10-21	K. S. Essex	7.8	5- 1	R. A. Wahl	9.7
10-27	R. A. Wahl	9.0	5-11	K. S. Essex	3.7
11- 3	C. B. Ham	12.0	5-21	R. F. Kaser	5.1
11-21	L. F. Hanks	5.2	6- 3	C. J. Osborne	72.5
12- 2	K. S. Essex	96.5	6- 9	Essex-Rowland	16.3
12-13	L. F. Hanks	4.4	6-21	L. R. Sawyer	29.2
1- 1	Wahl-Eisenhuth	33.9	6-29	C. J. Osborne	1.5
1-16	K. S. Essex	7.6	7- 7	C. B. Ham	1.8
2- 3	F. D. Reed	3.8	7-25	do	.1
2-10	K. S. Essex	1.1	8- 8	L. R. Sawyer	10.7
3- 3	do	21.2	8-17	Essex-Gerlach	2.0
3- 7	C. B. Ham	32.8	8-22	L. R. Sawyer	1.5
3-16	L. R. Sawyer	14.7	9- 7	L. F. Hanks	.1
3-24	K. S. Essex	12.3	9-15	K. S. Essex	.5
4- 3	Wahl-Follansbee	22.5	9-23	L. F. Hanks	1.5
ASH CREEK					
Whitney—Sec. 7-32-50 W.					
10- 7	K. S. Essex	1.5	7-16	K. S. Essex	0.5
4- 5	do	4.0	7-31	Essex-Rasmussen	.5
5-20	do	.2	8-26	K. S. Essex	.5
6-19	do	1.0	9-22	do	.0
ASH CREEK, EAST					
Above Barron Canal—Sec. 32-32-50 W.					
4- 5	K. S. Essex	2.6	7-16	K. S. Essex	0.5
5-20	do	1.0	8-26	do	.5
6-19	do	.8	9-22	do	.2
BALD DRAIN					
Sec. 32-23-56 W.					
10-12	H. H. Odell	4.1	6- 3	H. H. Odell	20.4
11- 2	do	2.6	6-15	do	9.9
12- 1	do	2.9	6-27	Odell-Eisenhuth	5.8
1- 5	do	1.8	7-13	H. H. Odell	17.6
2- 3	do	1.0	7-27	H. P. Eisenhuth	2.2
3- 2	do	1.5	8- 9	do	9.6
4- 4	do	.9	8-23	do	.4
4-20	do	.9	9- 6	do	.2
5- 3	do	1.7	9-14	do	12.8
5-16	do	3.4	9-27	do	.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
BAYARD SUGAR FACTORY DRAIN					
West Line of Sec. 4-20-52 W.					
10- 4	H. H. Odell	59.8	4-19	H. H. Odell	30.1
10-18	do	49.3	5- 1	do	26.5
11- 4	do	48.9	5-17	do	.8
11-17	do	43.7	6- 1	do	18.3
12- 3	do	42.8	6-14	do	37.5
12-17	do	38.2	6-26	Odell-Eisenhuth	10.0
1- 7	do	37.5	7-12	H. H. Odell	18.9
1-20	do	36.2	7-20	H. P. Eisenhuth	33.8
2- 6	do	31.9	7-26	do	1.5
2-18	do	31.4	8- 1	do	41.6
3- 3	do	31.2	8-15	do	40.4
3-22	do	34.2	9- 5	do	39.6
4- 6	do	30.4	9-20	do	51.1
BAZILLE CREEK					
Niobrara—Sec. 21-32-5 W.					
10-21	R. A. Wahl	21.5	3-20	C. B. Ham	66.8
11-15	C. B. Ham	37.0	4-26	R. A. Wahl	42.8
1-25	R. A. Wahl	28.9	5-12	R. F. Kaser	25.8
2-28	F. D. Reed	110.0	6-16	C. J. Osborne	23.5
BEAR CREEK					
Below Bates Dam—Sec. 8-34-37 W.					
8- 3	Essex-Rasmussen	0.1			
BEAR CREEK					
Merriman—Sec. 16-34-37 W.					
8- 3	Essex-Rasmussen	0.1			
BEAR CREEK					
Sec. 10-34-36 W.					
8- 3	Essex-Rasmussen	1.2			
BEAR CREEK					
Eli—Sec. 25-34-36 W.					
10- 5	K. S. Essex	2.6	6-22	K. S. Essex	2.4
11- 3	do	2.0	7-12	do	.2
3-11	do	13.9	8- 3	Essex-Rasmussen	.2
4- 4	do	11.5	8-30	K. S. Essex	1.8
4-28	do	6.4	9-24	do	.7
5-24	do	4.5			
BEAVER CREEK					
Beaver City—Sec. 23-2-23 W.					
10-26	R. A. Wahl	0.3	4-28	R. A. Wahl	6.9
11- 4	C. B. Ham	.2	5-17	R. F. Kaser	4.7
11-20	L. F. Hanks	1.2	6- 4	C. J. Osborne	4.1
1- 7	Wahl-Eisenhuth	.3	7- 9	C. B. Ham	21.6
2- 5	F. D. Reed	.7	8- 9	L. R. Sawyer	15.2
3- 8	C. B. Ham	1.1	9- 9	L. F. Hanks	.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
BEAVER CREEK					
Albion—Sec. 15-20-6 W.					
10-22	R. A. Wahl	35.9	3-19	C. B. Ham	59.4
11-17	C. B. Ham	48.1	4-25	R. A. Wahl	49.9
1-23	R. A. Wahl	28.0	5-12	R. F. Kaser	39.5
2-27	F. D. Reed	47.0	6-15	C. J. Osborne	41.2
BIRDWOOD CREEK					
Hershey—Sec. 2-14-33 W.					
10-14	A. W. Hall	138.0	6-28	Fred Hervert	124.0
11-15	do	158.0	7-11	do	107.0
1-18	do	168.0	7-21	A. W. Hall	132.0
3-10	do	164.0	7-29	Fred Hervert	92.3
3-30	do	179.0	8-10	A. W. Hall	129.0
5-10	Fred Hervert	131.0	8-17	Fred Hervert	100.0
5-19	do	133.0	8-30	do	109.0
6- 2	do	179.0	9-14	do	101.0
6-15	do	122.0			
BLACKWOOD CREEK					
Culbertson—Sec. 15-3-31 W					
10-20	K. S. Essex	4.8			
BLUE CREEK					
Lewellen—Sec. 30-16-42 W.					
10- 3	Fred Hervert	65.4	5-22	Fred Hervert	60.6
11- 1	A. W. Hall	73.1	6- 7	do	78.1
11-11	do	89.9	6-22	do	4.7
12-14	do	92.3	7- 5	do	11.2
1-20	do	98.2	7-22	A. W. Hall	76.4
2-13	do	139.0	8- 4	do	14.0
3- 3	do	103.0	8-21	Fred Hervert	20.1
3-29	do	109.0	9- 2	do	26.8
4-19	do	103.0	9-16	do	24.0
5-11	Fred Hervert	64.8			
BLUE RIVER, BIG					
Barnston—Sec. 13-1-7 E.					
10-16	R. A. Wahl	16.5	5-15	R. F. Kaser	206.0
11-11	C. B. Ham	169.0	6-13	C. J. Osborne	510.0
1-16	R. A. Wahl	175.0	7-13	C. B. Ham	414.0
2-17	F. D. Reed	225.0	8-14	L. R. Sawyer	299.0
3-17	C. B. Ham	626.0	9-11	L. F. Hanks	20.6
4-17	R. A. Wahl	760.0			
BLUE RIVER, LITTLE					
Deshler—Sec. 20-3-4 W.					
10-18	R. A. Wahl	55.9	3-17	C. B. Ham	91.7
11-11	C. B. Ham	74.4	4-18	R. A. Wahl	98.4
1-17	R. A. Wahl	72.7	5-15	R. F. Kaser	75.1
2-17	F. D. Reed	55.1	6-13	C. J. Osborne	518.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
BLUE RIVER, LITTLE					
Endicott—Sec. 5-1-3 E.					
10-17	R. A. Wahl	105.0	5-15	R. F. Kaser	122.0
11-11	C. B. Ham	124.0	6-13	C. J. Osborne	494.0
1-17	R. A. Wahl	64.5	7-14	C. B. Ham	164.0
2-15	F. D. Reed	138.0	8-14	L. R. Sawyer	201.0
3-17	C. B. Ham	217.0	9-11	L. F. Hanks	76.9
4-18	R. A. Wahl	177.0			
BOGGY CREEK					
Below Wickersham Diversion Dam—Sec. 31-33-54 W.					
10-11	Essex-Rasmussen	0.2	7-15	K. S. Essex	0.0
5- 2	K. S. Essex	.0	8- 8	do	.0
6-20	do	.0	9- 1	Essex-Rasmussen	.0
BORDEAUX CREEK, BIG					
Chadron—Sec. 14-33-48 W.					
10- 6	K. S. Essex	1.7	3-31	K. S. Essex	3.3
11- 5	do	1.7	4-29	do	3.0
12-15	do	2.2	5-20	do	4.3
1-28	do	2.6	7-14	do	1.4
2-14	do	2.3	8-25	do	1.7
3-14	do	13.5	9-20	do	1.2
BORDEAUX CREEK, BIG					
Below Thomas Canal—Sec. 34-34-48 W.					
10- 6	K. S. Essex	2.1	4-29	K. S. Essex	8.3
11- 5	do	2.1	5-20	do	8.2
12-15	do	4.5	7-14	do	5.8
1-28	do	4.5	8-25	do	2.5
2-14	do	5.0	9-20	do	1.4
BORDEAUX CREEK, BIG					
Sec. 16-34-48 W.					
7-31	Essex-Rasmussen	1.4			
BORDEAUX CREEK, LITTLE					
Below Hartzell Canal—Sec. 13-33-48 W.					
10- 6	K. S. Essex	1.9	4-29	K. S. Essex	2.6
11- 5	do	.7	5-20	do	2.5
12-15	do	1.7	6-16	do	270.3
1-28	do	2.7	7-14	do	1.3
2-14	do	2.3	8-25	do	.9
3-14	do	.2	9-20	do	.8
3-31	do	3.2			
BUFFALO CREEK					
Jenkin's Ranch—Sec. 20-1-40 W.					
12- 2	K. S. Essex	7.3	5-11	K. S. Essex	7.2
1-16	do	12.0	6- 9	do	5.2
2-10	do	13.9	6-30	do	5.3
3- 3	do	10.1	8-17	Essex-Gerlach	3.3
3-24	do	8.6	9-15	K. S. Essex	6.1
4-21	Essex-Dodd	10.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
BUFFALO CREEK					
Elm Creek—Sec. 33-9-18 W.					
10- 7	A. W. Hall	19.1	6-26	Fred Hervert	108.1
1-16	do	5.2	7- 9	do	90.3
4- 3	do	13.1	7-22	do	1.1
4-24	do	15.9	7-27	Hervert-Dolittle	.6
5- 7	Fred Hervert	8.5	8- 8	A. W. Hall	.5
5-14	do	20.3	8-14	Fred Hervert	13.2
5-31	do	84.3	8-29	do	.3
6-13	do	105.4	9-12	do	.0
BULL DRAIN					
Maxwell—Sec. 19-13-28 W.					
11- 2	A. W. Hall	1.7	5-28	Fred Hervert	3.6
11-19	do	1.7	6-10	do	1.2
2-15	do	3.5	6-24	do	1.2
3- 6	do	2.2	7- 7	do	1.2
4- 4	do	2.5	7-20	A. W. Hall	.0
4-22	do	2.6	9-13	Fred Hervert	.6
5- 5	Fred Hervert	1.4			
CALAMUS RIVER					
Harrop—Sec. 24-23-18 W.					
10-20	R. A. Wahl	199.0	3-21	C. B. Ham	202.0
11-14	C. B. Ham	188.1	4-10	Wahl-Wilson	212.0
1-11	Eisenhuth-Wahl	185.0	5- 9	R. F. Kaser	185.0
2-11	F. D. Reed	172.0	6-19	C. J. Osborne	163.0
CASTLE ROCK SEEP					
Melbeta—Sec. 20-21-53 W.					
10- 6	H. H. Odell	0.6	6- 5	H. H. Odell	.5
11- 1	do	.4	6-17	do	.7
12- 1	do	.6	6-28	Odell-Eisenhuth	1.0
1- 5	do	.4	7-15	H. H. Odell	.9
2- 7	do	.8	7-25	H. P. Eisenhuth	.6
3- 3	do	.6	8-11	do	.7
4- 4	do	.5	8-25	do	.6
4-19	do	.4	9-16	do	.7
5- 2	do	.3	9-29	do	.4
5-17	do	.6			
CEDAR CREEK					
Sec. 11-18-48 W.					
10-31	A. W. Hall	13.4	6-21	Fred Hervert	7.1
1-21	do	16.8	6-30	do	3.3
2-13	do	18.0	7-12	do	8.4
3-22	do	17.3	7-26	A. W. Hall	3.5
4-19	do	14.5	8-11	Fred Hervert	3.5
5-23	Fred Hervert	2.1	9- 8	do	8.3
6- 5	do	12.0	9-19	do	3.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
CEDAR BRANCH CREEK					
Nevins—Sec. 17-14-35 W.					
11-15	A. W. Hall	1.3	9-15	Fred Hervert	1.2
7- 6	Fred Hervert	1.6			
CEDAR RIVER					
Ericson—Sec. 33-21-11 W.					
8-10	L. R. Sawyer	87.0	8-16	Sawyer-Follansbee	19.3
CEDAR RIVER					
Fullerton—Sec. 11-16-6 W.					
10-22	R. A. Wahl	143.0	4-25	R. A. Wahl	178.0
11-17	C. B. Ham	177.0	5-12	R. F. Kaser	158.0
1-23	R. A. Wahl	109.0	6-15	C. J. Osborne	192.8
2-26	F. D. Reed	162.0	8-11	L. R. Sawyer	125.0
3-19	C. B. Ham	191.0			
CHADRON CREEK					
Station 36 of Pipe Line—Sec. 12-32-49 W.					
10- 7	K. S. Essex	0.0	4-26	K. S. Essex	1.7
11- 4	do	.1	5-30	do	.9
12-14	do	.8	6-21	do	.0
1-31	do	.7	7-14	do	.0
2-14	do	.8	8- 1	do	.0
3-14	do	3.5	8-25	do	.0
3-31	do	1.4	9-19	do	.0
CHADRON CREEK					
One-half Mile above City Reservoir—Sec. 19-32-48 W.					
10- 7	K. S. Essex	0.7	4-25	K. S. Essex	2.3
11- 4	do	2.1	5-30	do	1.6
12-14	do	1.3	6-21	do	1.7
1-31	do	2.5	7-14	do	1.2
2-14	do	1.9	8- 1	do	.5
2-14	do	4.7	8-25	do	.8
3-31	do	2.1	9-19	do	1.1
CHADRON CREEK					
500 Feet below City Reservoir—Sec. 18-32-48 W.					
10- 7	K. S. Essex	0.1	4-26	K. S. Essex	0.2
11- 4	do	.6	5-30	do	.4
12-14	do	.5	6-21	do	.2
1-31	do	.4	7-14	do	.2
2-14	do	.4	8- 1	do	.1
3-14	do	1.1	8-25	do	.2
3-31	do	.4	9-19	do	.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
CLEAR CREEK					
Sec. 32-16-41 W.					
11- 1	A. W. Hall	8.4	5-11	Fred Hervert	0.9
11-14	do	10.6	5-22	do	.1
1-20	do	11.2	6- 7	do	7.1
2-13	do	9.1	6-17	do	1.2
3-29	do	9.1	6-29	do	5.5
4-19	do	9.0	7-21	A. W. Hall	6.3
CLEAR CREEK, UPPER					
Ashland—Sec. 35-13-9 E.					
10-14	R. A. Wahl	6.5	3-27	C. B. Ham	16.5
11- 9	C. B. Ham	8.6	4-15	R. A. Wahl	8.8
1-14	R. A. Wahl	6.8	5-14	R. F. Kaser	4.0
2-25	F. D. Reed	10.4	6-10	C. J. Osborne	4.7
CLEVELAND DRAIN					
Sec. 6-20-52 W.					
10- 6	H. H. Odell	7.7	6- 5	H. H. Odell	11.2
11- 1	do	1.5	6-17	do	6.4
12- 1	do	.9	6-28	Odell-Eisenhuth	1.5
1- 5	do	.6	7-15	H. H. Odell	4.0
2- 7	do	.2	7-25	H. P. Eisenhuth	.8
3- 3	do	.7	8-11	do	6.0
4- 6	do	.6	8-25	do	4.6
4-18	do	1.0	9-16	do	5.8
5- 1	do	.4	9-29	do	10.6
5-17	do	4.6			
COLD WATER CREEK					
Sec. 34-18-46 W.					
11- 1	A. W. Hall	0.0	6- 6	Fred Hervert	13.4
11-14	do	3.0	6-30	do	2.6
1-21	do	4.4	7-12	do	.9
3-29	do	.4	8-11	do	.2
5- 2	Fred Hervert	2.8	9- 8	do	.5
5-23	do	7.8			
COLE CREEK					
Omaha—Sec. 25-15-12 E.					
10-14	R. A. Wahl	4.1	3-27	C. B. Ham	3.3
11- 9	C. B. Ham	3.0	4-15	R. A. Wahl	2.5
1-21	R. A. Wahl	2.2	5-19	R. F. Kaser	.9
2-25	F. D. Reed	8.2	6-10	C. J. Osborne	48.8
COTTONWOOD CREEK					
Dunlap—Sec. 27-29-48 W.					
10- 7	K. S. Essex	0.1	5-19	K. S. Essex	0.1
11- 4	do	.9	8- 1	do	.0
2-14	do	1.5	8-28	do	.0
3-31	do	1.8	9-19	do	.0
4-26	do	1.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
COTTONWOOD CREEK, BIG					
Sec. 22-33-50 W.					
11- 4	K. S. Essex	0.5	6-19	K. S. Essex	2.6
1-28	do	1.5	7-13	do	1.5
3-11	do	72.0	7-31	Essex-Rasmussen	.2
4- 1	do	2.0	8-26	K. S. Essex	.5
5- 1	do	1.0	9-20	do	.8
5-21	do	1.5			
COTTONWOOD CREEK, LITTLE					
Sec. 8-32-52 W.					
10- 8	K. S. Essex	0.0	6-19	K. S. Essex	0.1
11- 5	do	.5	7-13	do	.0
2-15	do	1.5	8- 2	do	.1
3-13	do	4.4	8-26	do	.0
4- 5	do	.2	9-20	do	.0
COTTONWOOD CREEK, LITTLE					
South of Whitney Pipe Line Outlet—Sec. 8-32-51 W.					
10- 6	K. S. Essex	0.1	5- 1	K. S. Essex	0.1
11- 4	do	1.1	5-21	do	.1
12-14	do	.5	6-19	do	.1
1-28	do	2.2	7-13	do	.1
3-13	do	13.4	8-26	do	.0
4- 1	do	2.0	9-26	do	.0
DAWSON COUNTY DRAIN					
Darr—Sec. 25-10-23 W.					
10- 8	Hall-Hervert	1.3	6- 1	Fred Hervert	3.4
1-17	A. W. Hall	3.1	6-25	do	4.5
4- 3	do	1.4	7-10	do	4.1
4-25	do	1.8	8-14	do	2.1
5- 8	Fred Hervert	1.9	8-29	do	.4
5-15	do	2.6	9-12	do	.0
DEAD HORSE CREEK					
Sec. 32-33-49 W.					
10- 7	K. S. Essex	0.0	8-26	K. S. Essex	0.5
5-20	do	.9	9-22	do	.0
6-19	do	1.2			
DeGRAW DRAIN					
Sec. 24-20-51 W.					
10-11	H. H. Odell	7.1	5-31	H. H. Odell	1.8
11- 1	do	4.9	6-14	do	3.1
12- 3	do	4.4	6-26	Odell-Eisenhuth	2.6
1-11	do	3.0	7-12	H. H. Odell	2.8
2-21	do	2.4	7-25	H. P. Eisenhuth	1.0
3- 4	do	3.4	8- 8	do	1.4
4- 6	do	3.8	8-22	do	1.9
4-19	do	3.3	9-12	do	2.9
5- 1	do	1.9	9-26	do	4.1
5-17	do	1.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
DISMAL RIVER					
Dunning—Sec. 4-21-24 W.					
10-19	R. A. Wahl	298	3-30	C. B. Ham	366
11-13	C. B. Ham	316	4-11	R. A. Wahl	320
1-28	R. A. Wahl	337	5- 9	R. F. Kaser	325
3- 2	F. D. Reed	336	6-19	C. J. Osborne	288
DRINGMAN DRAIN					
Sec. 32-13-33 W.					
2-18	A. W. Hall	9.8	6- 9	Fred Hervert	8.7
4- 5	do	9.9	7-21	A. W. Hall	7.9
5-10	Fred Hervert	3.9	8-18	Fred Hervert	32.5
5-19	do	7.8	8-31	do	7.9
DRY CREEK					
Merriman—Sec. 20-34-37 W.					
11- 3	K. S. Essex	0.0	6-22	K. S. Essex	0.0
1-27	do	.7	7-12	do	.0
4- 4	do	7.0	8-30	do	.0
4-28	do	2.0	9-24	do	.0
5-24	do	.5			
DUGOUT CREEK, LOWER					
Sec. 20-19-48 W.					
6-22	Fred Hervert	11.1			
DUGOUT CREEK, UPPER					
Sec. 20-20-50 W.					
10- 4	H. H. Odell	12.8	5-17	H. H. Odell	5.2
10-18	do	7.1	5-31	do	2.9
11- 1	do	7.4	6-14	do	26.3
12- 3	do	7.0	6-26	Odell-Eisenhuth	3.5
1-11	do	2.7	7-12	H. H. Odell	4.4
2- 2	do	.9	7-25	H. P. Eisenhuth	4.2
3- 4	do	2.7	8- 8	do	5.3
4- 6	do	1.0	8-22	do	5.7
5-19	do	1.7	9-12	do	14.8
5- 1	do	.8	9-26	do	8.3
ELKHORN RIVER					
O'Neill—Sec. 31-29-11 W.					
10-20	R. A. Wahl	19.0	3-21	C. B. Ham	52.5
11-14	C. B. Ham	31.0	4-27	R. A. Wahl	37.1
1-25	R. A. Wahl	26.3	5-11	R. F. Kaser	26.4
3- 1	F. D. Reed	29.4	6-19	C. J. Osborne	19.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
ELKHORN RIVER					
Neligh—Sec. 20-25-6 W.					
10-20	Wahl-Hanks	81.5	4-25	R. A. Wahl	167.0
10-26	L. F. Hanks	98.4	5-12	R. F. Kaser	117.0
11-16	C. B. Ham	130.0	6-15	C. J. Osborne	112.0
1-24	R. A. Wahl	136.0	7-19	C. B. Ham	34.1
2-27	F. D. Reed	135.0	8-16	Sawyer-Follansbee	52.2
3-19	C. B. Ham	205.0	9-18	L. F. Hanks	25.3
ELKHORN RIVER					
Waterloo—Sec. 10-15-10 E.					
10-13	R. A. Wahl	285.0	4-15	R. A. Wahl	522.0
11-9	C. B. Ham	406.0	5-13	R. F. Kaser	451.0
1-20	R. A. Wahl	288.0	6-9	C. J. Osborne	311.0
2-25	F. D. Reed	292.0	7-20	C. B. Ham	154.0
3-14	C. B. Ham	3780.0	8-12	L. R. Sawyer	151.0
3-27	do	752.0	9-12	L. F. Hanks	85.4
ELM CREEK					
Elm Creek—Sec. 33-9-18 W.					
10-7	A. W. Hall	0.5	5-31	Fred Hervert	3.7
1-16	do	.2	6-13	do	30.9
4-3	do	1.8	6-27	do	10.3
4-24	do	1.4	7-9	do	5.6
5-7	Fred Hervert	7.5	7-27	Hervert-Dolittle	.1
5-11	do	1.0	8-14	Fred Hervert	2.2
5-15	do	.7			
FAIRFIELD SEEP					
Sec. 18-21-53 W.					
10-12	H. H. Odell	0.4	6-5	H. H. Odell	0.7
11-1	do	.6	6-14	do	1.0
12-1	do	.0	7-5	Odell-Higby	.6
1-5	do	.0	7-15	H. H. Odell	.2
3-3	do	.0	7-26	H. P. Eisenhuth	.7
4-4	do	.4	8-9	do	3.6
4-19	do	.2	8-23	do	1.6
5-2	do	.0	9-6	do	3.0
5-17	do	.1	9-20	do	1.4
5-24	do	3.4			
FANNING SEEP					
One-half Mile North Mitchell Bridge—Sec. 28-23-56 W.					
10-12	H.H. Odell	6.2	6-3	H. H. Odell	4.1
12-1	do	4.3	6-15	do	2.6
1-5	do	3.1	6-27	Odell-Eisenhuth	1.7
2-3	do	.2	7-13	H. H. Odell	1.3
3-2	do	2.8	7-27	H. P. Eisenhuth	1.8
4-1	do	1.9	8-9	do	4.0
4-20	do	1.9	8-23	do	2.6
5-3	do	1.5	9-14	do	3.4
5-16	do	2.3	9-27	do	4.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
FREMONT SLOUGH					
North Platte—Sec. 16-13-30 W.					
2-18	A. W. Hall	4.4	5-18	Fred Hervert	2.6
3-10	do	33.8	5-26	do	7.7
3-31	do	60.5	6-10	do	1.4
5- 4	Fred Hervert	4.2	7-19	A. W. Hall	.1
FRENCHMAN RIVER					
Above Maranville Reservoir—Sec. 10-6-41 W.					
10-18	K. S. Essex	3.4	5- 8	K. S. Essex	3.4
11-29	do	3.6	6- 6	do	3.3
1-12	do	3.7	6-27	do	3.3
2- 7	do	5.1	7-20	do	2.7
2-28	do	5.7	8-14	do	3.0
3-21	do	4.4	9-14	do	2.7
4-18	Essex-Dodd	4.7			
FRENCHMAN RIVER					
Below Maranville Reservoir—Sec. 11-6-41 W.					
10-18	K. S. Essex	0.1	5- 8	K. S. Essex	0.1
11-29	do	2.6	6- 6	do	2.4
1-12	do	3.0	6-27	do	.1
2- 7	do	4.6	7-20	do	.4
2-28	do	4.3	8-14	do	.2
3-21	do	5.3	9-14	do	.1
4-18	Essex-Dodd	5.8			
FRENCHMAN RIVER					
Below Inman Canal—Sec. 17-6-40 W.					
10-18	K. S. Essex	12.2	5- 8	K. S. Essex	2.8
11-29	do	15.8	6- 6	do	4.0
1-12	do	19.3	6-27	do	14.0
2- 7	do	18.3	7-20	do	12.2
2-28	do	15.0	8-14	do	8.5
3-21	do	18.0	9-14	do	11.6
4-18	Essex-Dodd	20.7			
FRENCHMAN RIVER					
Above Champion Canal Diversion Dam—Sec. 22-6-40 W.					
10-18	K. S. Essex	15.9	5- 8	K. S. Essex	7.8
11-29	do	18.9	6- 6	do	10.5
1-12	do	21.3	6-27	do	17.9
2- 7	do	19.6	7-20	do	17.0
2-28	do	20.6	8-14	do	16.7
3-21	do	19.9	9-14	do	18.2
4-18	Essex-Dodd	27.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
FRENCHMAN RIVER					
Below Champion Canal Diversion Dam—West Line of Sec. 23-6-40 W.					
10-18	K. S. Essex	5.7	4-19	Essex-Dodd	0.7
11-29	do	10.2	5- 8	K. S. Essex	6.2
1-12	do	6.3	7-20	do	18.2
2- 7	do	25.7	8-14	do	20.7
2-28	do	6.3	9-14	do	16.4
3-21	do	1.2			
FRENCHMAN RIVER					
Above Champion—Sec. 19-6-39 W.					
10-18	K. S. Essex	15.2	5- 8	K. S. Essex	16.1
11-29	do	21.0	6- 6	do	33.7
1-12	do	14.7	6-27	do	55.1
2- 7	do	35.6	7-20	do	28.5
2-28	do	16.1	8-15	do	31.5
3-21	do	10.3	9-14	do	26.0
4-18	Essex-Dodd	41.3			
FRENCHMAN RIVER					
Below Champion—SW $\frac{1}{4}$ Sec. 22-6-39 W					
10-18	K. S. Essex	41.7	5- 8	K. S. Essex	24.6
11-29	do	21.1	6- 6	do	34.9
1-12	do	55.4	6-27	do	28.8
2- 7	do	32.7	7-20	do	52.2
2-28	do	65.3	8-15	do	38.3
3-21	do	48.5	9-14	do	61.0
4-19	Essex-Dodd	50.2			
FRENCHMAN RIVER					
Harvey Dam Site—Sec. 3-5-38 W.					
10-18	K. S. Essex	52.6	6- 6	K. S. Essex	61.9
11-29	do	71.6	6-27	do	132.4
4-18	Essex-Dodd	70.8	7-20	do	67.4
5- 9	K. S. Essex	66.5	9-14	do	71.1
FRENCHMAN RIVER					
Hamlet—Sec. 30-5-34 W.					
10-19	K. S. Essex	67.4	5- 9	Essex-Gerlach	90.3
11-30	do	97.3	6- 7	K. S. Essex	82.7
1-13	do	102.3	6-28	do	187.0
2- 8	do	84.5	7-20	do	53.4
3- 1	do	76.7	8-15	do	70.4
3-22	do	106.0	9-14	do	71.9
4-19	Essex-Dodd	106.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
FRENCHMAN RIVER					
Culbertson—Sec. 17-3-31 W.					
10- 7	R. A. Wahl	38.0	4-28	R. A. Wahl	140.0
10-20	K. S. Essex	34.6	5-10	K. S. Essex	68.5
10-27	R. A. Wahl	42.8	5-20	R. F. Kaser	24.8
11- 4	C. B. Ham	42.5	6- 3	C. J. Osborne	27.5
11-20	L. F. Hanks	66.4	6- 8	K. S. Essex	19.4
11-30	K. S. Essex	135.0	6-28	do	190.0
1- 5	Wahl-Eisenhuth	158.0	7- 7	C. B. Ham	55.8
1-13	K. S. Essex	161.0	7-21	K. S. Essex	28.4
2- 4	F. D. Reed	145.0	7-24	C. B. Ham	27.4
2- 9	K. S. Essex	57.3	8- 8	L. R. Sawyer	16.9
3- 1	do	141.0	8-17	Essex-Gerlach	26.8
3- 8	C. B. Ham	166.0	8-21	L. R. Sawyer	25.0
3-16	L. R. Sawyer	171.0	9- 8	L. F. Hanks	22.7
3-22	K. S. Essex	165.0	9-16	K. S. Essex	25.1
4- 5	R. A. Wahl	185.0	9-22	L. F. Hanks	22.5
1-20	Essex-Dodd	184.0			
FRENCHMAN RIVER					
Below Krotter Power Canal—Sec. 35-5-34 W.					
5- 9	K. S. Essex	0.1			
GERING DRAIN					
Sec. 6-21-54 W.					
10- 5	H. H. Odell	39.4	4-22	H. H. Odell	20.8
10-19	do	36.3	5- 4	do	20.5
11- 4	do	35.6	5-17	do	32.1
11-17	do	34.2	6- 3	do	51.0
12- 3	do	32.5	6-17	do	86.0
12-16	do	28.1	6-28	Odell-Eisenhuth	33.4
1- 7	do	24.3	7-13	H. H. Odell	28.1
1-19	do	24.1	7-29	H. P. Eisenhuth	35.8
2- 6	do	22.7	8-11	do	33.5
2-16	do	24.0	8-25	do	19.4
3- 3	do	22.5	9-14	do	31.5
3-22	do	26.6	9-28	do	28.2
4- 4	do	22.5			
GORDON CREEK					
Valentine—Sec. 30-33-28 W.					
10- 4	K. S. Essex	3.6	5-23	K. S. Essex	2.8
1-26	do	2.8	6-23	do	4.1
3-10	do	4.9	7-11	do	3.6
4- 3	do	6.6	8-29	do	3.6
4-27	do	2.9	9-25	do	3.5
GOVERNMENT SPRING					
Below Ft. Robinson Pumping Plant—4-Foot Weir					
10- 8	K. S. Essex	1.0	4- 5	K. S. Essex	0.6
2-15	do	.4	8- 2	do	.4
3-13	do	1.0	9-22	do	.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
GRAVEL CREEK					
Sec. 9-14-36 W.					
11-15	A. W. Hall	2.3	5- 3	Fred Hervert	2.0
4-20	do	7.2	7- 6	do	2.7
GREENWOOD CREEK					
Mouth—Sec. 26-19-50 W.					
10-14	Essex-Dodd	10.6	7- 3	K. S. Essex	0.1
11-12	K. S. Essex	7.3	8-12	do	.0
4-25	do	.0	9-11	do	.0
5- 5	do	3.3	9-29	do	1.5
6-14	do	.0			
HAT CREEK					
Above Coffee Canal—Sec. 35-33-55 W.					
10-11	Essex-Rasmussen	0.4	7-15	K. S. Essex	0.0
5- 2	K. S. Essex	1.8	8- 8	do	.2
6-20	do	1.2	9- 1	do	.0
HORSE CREEK					
Lyman—Sec. 25-23-58 W.					
10- 6	H. H. Odell	63.8	4-20	H. H. Odell	16.6
10-20	do	49.3	5- 4	do	11.7
11- 3	do	44.5	5-15	do	67.1
11-16	do	37.4	6- 2	do	76.9
12- 2	do	30.6	6-16	do	92.7
12-16	do	24.7	6-27	Odell-Eisenhuth	42.3
1- 6	do	18.2	7-14	H. H. Odell	34.8
1-19	do	26.5	7-29	H. P. Eisenhuth	46.2
2- 4	do	12.7	8- 3	do	44.5
2-17	do	19.3	8-17	do	41.8
3- 1	do	18.5	9- 7	do	36.8
3-21	do	22.6	9-15	do	49.0
4- 5	do	18.4	9-21	do	28.2
HORSE CREEK					
Pringle's Ranch—Sec. 23-1-39 W.					
3-3	K. S. Essex	1.7	4-21	Essex-Dodd	1.2
3-24	do	.7			
INDIAN CREEK					
Northport Wye—Sec. 19-20-50 W.					
10-11	H. H. Odell	11.7	5-31	H. H. Odell	4.5
11- 1	do	9.3	6-14	do	11.6
12- 3	do	8.2	6-26	Odell-Eisenhuth	9.0
1-11	do	5.9	7-12	H. H. Odell	9.7
2- 2	do	3.0	7-25	H. P. Eisenhuth	2.5
3- 4	do	5.9	8- 8	do	9.2
4- 6	do	5.2	8-22	do	11.5
4-19	do	5.5	9-12	do	13.5
5- 1	do	3.7	9-26	do	7.8
5-17	do	2.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1930

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
INDIAN CREEK					
Sec. 5-32-50 W.					
10- 7	K. S. Essex	0.0	8-26	K. S. Essex	0.0
5-20	do	.0	9-22	do	.0
INDIAN CREEK					
Max—Sec. 23-2-36 W.					
10-20	K. S. Essex	0.9	5-11	K. S. Essex	2.6
3- 2	do	5.3	6- 8	do	1.6
3-24	do	4.2	7-21	do	.7
4-21	Essex-Dodd	3.3			
JIM CREEK					
Sec. 13-33-57 W.					
10-11	K. S. Essex	0.2	7-15	K. S. Essex	0.1
5- 2	do	.2	8- 8	do	.2
6-20	do	.3			
JIM CREEK					
Passing Caladonia Dam—Sec. 13-33-57W.					
10-11	K. S. Essex	0.1	7-15	K. S. Essex	0.1
KEITH-LINCOLN COUNTY DRAIN					
Sec. 23-14-35 W.					
6-16	Fred Hervert	0.2			
LANE DRAIN					
Sec. 30-23-57 W.					
10- 6	H. H. Odell	4.2	6- 2	H. H. Odell	3.0
11- 3	do	3.2	6-16	do	3.4
12- 2	do	2.9	6-27	Odell-Eisenhuth	3.8
1- 6	do	2.1	7-14	H. H. Odell	3.5
2- 4	do	1.1	7-29	H. P. Eisenhuth	3.4
3- 1	do	1.5	8- 3	do	3.2
4- 5	do	1.1	8-17	do	1.8
4-20	do	1.0	9- 7	do	3.1
5- 4	do	.8	9-21	do	4.6
5-15	do	.8			
LARABEE CREEK					
Sec. 6-34-44 W.					
10- 5	K. S. Essex	1.6	6-22	K. S. Essex	2.5
1-27	do	1.8	7-12	do	1.1
4- 4	do	1.9	8- 5	Essex-Rasmussen	.8
4-28	do	1.7	8-30	K. S. Essex	1.2
5-24	do	11.8	9-24	do	.6
LAWRENCE FORK					
Sec. 36-19-52 W.					
10-11	Essex-Dodd	0.9	6-11	K. S. Essex	0.0
4-25	K. S. Essex	2.8	9-12	do	.0
5- 6	do	.8	9-29	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
LINCOLN COUNTY DRAIN NO. 1					
North Platte—Sec. 30-14-30 W.					
10-14	A. W. Hall	51.4	7-10	Fred Hervert	67.6
11-15	do	50.4	7-21	A. W. Hall	19.8
1-19	do	41.9	8- 1	Fred Hervert	65.2
3-30	do	10.4	8- 9	A. W. Hall	81.9
5- 4	Fred Hervert	11.4	8-17	Fred Hervert	65.1
5-18	do	56.9	8-30	do	60.5
5-27	do	69.0	9-14	do	67.0
6-28	do	85.8			
LINCOLN COUNTY DRAIN NO. 2					
Sec. 12-14-33 W.					
10-14	A. W. Hall	2.7	5-19	Fred Hervert	2.5
11-15	do	2.6	6-28	do	2.5
3-10	do	2.2	8-10	A. W. Hall	2.2
5-10	Fred Hervert	2.0	8-18	Fred Hervert	2.8
LODGEPOLE CREEK					
Wyoming-Nebraska Line—Sec. 11-14-59 W.					
10-25	K. S. Essex	5.2	4-10	Essex-Dodd	9.7
11-15	do	6.4	5-15	Essex-Hanna	4.4
1-19	do	7.7	6- 2	do	3.7
2-23	do	5.3	7- 5	do	1.5
3-16	do	9.2	9- 7	do	1.4
LODGEPOLE CREEK					
Above Oliver Reservoir—Bushnell—Sec. 33-15-57 W.					
10-25	K. S. Essex	15.0	4-10	Essex-Dodd	19.7
11-15	do	13.5	5-15	Essex-Hanna	12.4
12-12	do	17.9	6- 2	do	13.5
1-19	do	16.0	7- 5	do	6.2
2-23	do	14.6	7-27	do	4.9
3-16	do	19.6	9- 7	do	5.5
LODGEPOLE CREEK					
Below Oliver Reservoir—Sec. 31-15-56 W.					
10-25	K. S. Essex	0.2	5-16	Essex-Hanna	2.3
11-14	do	.5	6- 2	do	6.5
1-19	do	.5	7- 5	do	2.8
2-23	do	2.8	7-27	K. S. Essex	2.6
3-16	do	5.8	9- 7	do	1.6
4-10	Essex-Dodd	5.3			
LODGEPOLE CREEK					
Kimball—Sec. 29-15-55 W.					
10-25	K. S. Essex	2.7	4-11	Essex-Dodd	12.6
11-15	do	10.6	6- 2	K. S. Essex	.7
1-19	do	10.5	7- 6	Essex-Hanna	.0
2-23	do	9.1	7-27	K. S. Essex	.0
3-16	do	14.3	9- 8	Essex-Hanna	.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
LODGEPOLE CREEK					
Dix—Sec. 26-15-54 W.					
11-15	K. S. Essex	0.9	5-16	K. S. Essex	0.0
1-19	do	2.0	6- 3	do	.0
2-23	do	8.6	7- 6	do	.0
3-16	do	10.9	9- 8	do	.0
4-11	Essex-Dodd	10.5			
LODGEPOLE CREEK					
Potter—Sec. 6-14-52 W.					
1-19	K. S. Essex	0.0			
LODGEPOLE CREEK					
Sidney—Sec. 31-14-49 W.					
11-16	K. S. Essex	4.1	5-17	K. S. Essex	1.8
1-20	do	2.6	6- 3	do	1.8
2-22	do	2.5	7- 7	do	.4
3-17	do	7.6	9- 9	do	1.4
4-11	Essex-Dodd	6.7			
LODGEPOLE CREEK					
West Line Sec. 33-14-49 W.					
9-18	A. W. Hall	2.4	9-22	A. W. Hall	1.4
LODGEPOLE CREEK					
Above Borquist Canals—Sec. 33-14-49 W.					
9-13	K. S. Essex	4.7	9-22	A. W. Hall	3.3
LODGEPOLE CREEK					
Center of Sec. 33-14-49 W.					
9-18	A. W. Hall	3.4			
LODGEPOLE CREEK					
Above Bordwell Canal, Center NE $\frac{1}{4}$ —Sec. 34-14-49 W.					
9-18	A. W. Hall	3.6	9-22	A. W. Hall	4.8
LODGEPOLE CREEK					
Below Borquist Canals—Sec. 34-14-49 W.					
9-13	K. S. Essex	4.0	9-22	A. W. Hall	3.1
9-18	A. W. Hall	3.7			
LODGEPOLE CREEK					
Below Bordwell Canals—Sec. 35-14-49 W.					
9-13	K. S. Essex	4.8	9-22	A. W. Hall	5.7
9-18	A. W. Hall	4.9			
LODGEPOLE CREEK					
Above Hale Canals—Sec. 35-14-49 W.					
9-13	K. S. Essex	5.5	9-22	A. W. Hall	5.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
LODGEPOLE CREEK					
Below Hale Diversion Dam, D-322—Sec. 36-14-49 W.					
9-13	K. S. Essex	3.3	9-22	A. W. Hall	3.4
9-18	A. W. Hall	2.3			
LODGEPOLE CREEK					
Above Krueger's Lake—Center of Sec. 31-14-48 W.					
5-17	K. S. Essex	10.1	9- 9	K. S. Essex	3.0
6- 1	Essex-Hansen	7.7	9-18	A. W. Hall	3.2
7- 7	K. S. Essex	4.9	9-22	do	3.1
LODGEPOLE CREEK					
Below Krueger's Lake—Sec. 29-14-48 W.					
10-26	K. S. Essex	10.8	6- 1	Essex-Hansen	1.0
11-16	do	10.5	7- 7	K. S. Essex	.1
1-20	do	9.7	9- 9	do	.5
2-22	do	8.9	9-13	do	.1
3-17	do	20.7	9-18	A. W. Hall	.1
4-11	M. S. Dodd	16.6	9-22	do	.2
5-17	K. S. Essex	3.8			
LODGEPOLE CREEK					
Rock Pile—NE Corner of Sec. 33-14-48 W.					
10-26	K. S. Essex	11.3	5-17	K. S. Essex	4.8
11-16	do	8.9	6- 1	Essex-Hansen	3.6
3-17	do	23.2	7- 7	K. S. Essex	.8
4-11	Essex-Dodd	18.2	9- 9	do	.8
LODGEPOLE CREEK					
South of Sunol—Sec. 36-14-48 W.					
10-26	K. S. Essex	12.1	4-11	Essex-Dodd	16.1
11-16	do	8.3	5-17	K. S. Essex	7.3
1-20	do	9.5	6- 1	Essex-Hansen	4.4
2-24	do	2.6	7- 7	K. S. Essex	1.5
3-17	do	21.3	9- 9	do	1.5
LODGEPOLE CREEK					
Lodgepole—Sec. 30-14-46 W.					
10-26	K. S. Essex	15.2	4-12	M. S. Dodd	26.3
11-17	do	19.6	6- 1	Essex-Hansen	6.1
1-20	do	11.1	7- 7	K. S. Essex	1.5
2-24	do	8.9	9- 9	do	.8
3-17	do	39.3			
LODGEPOLE CREEK					
Chappell—Sec. 21-13-45 W.					
10-27	K. S. Essex	26.6	4-12	M. S. Dodd	37.7
11-17	do	28.9	5-12	K. S. Essex	20.7
1-20	do	23.7	7- 7	do	2.0
3-17	do	56.6	9-13	do	.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
LODGEPOLE CREEK					
Interstate Station at Ralton—Sec. 12-12-45 W.					
10-28	K. S. Essex	26.4	4-12	Essex-Dodd	42.9
11-18	do	28.2	5-12	K. S. Essex	21.2
1-20	do	25.3	7- 7	do	2.0
2-21	do	21.1	9-13	do	.5
2-17	do	58.7			
LONERGAN CREEK					
Lemoyne—Sec. 19-15-39 W.					
2-13	A. W. Hall	5.5	6-29	Fred Hervert	5.1
3-29	do	3.4	8- 5	A. W. Hall	3.1
5-11	Fred Hervert	5.7	8-19	Fred Hervert	2.2
5-23	do	5.6	9-16	do	1.1
6-16	do	6.3			
LOST CREEK					
Sec. 1-16-44 W.					
11- 1	A. W. Hall	0.3	5- 2	Fred Hervert	2.7
11-14	do	.7	5-22	do	.7
2-12	do	.5	6- 6	do	.4
LOUP RIVER					
Columbus—Sec. 30-17-1 E.					
10- 6	H. W. Oehrich	1160.1	4-20	H. W. Oehrich	1913.0
10-13	do	1481.8	4-27	do	1551.2
10-20	do	1305.3	5- 4	do	1866.0
10-27	do	1375.5	5-11	do	758.0
11- 3	do	1558.3	5-18	do	881.1
11-10	do	1857.9	5-22	do	10826.0
11-16	do	1822.8	6- 1	do	918.0
12- 1	do	1487.7	6- 8	do	1020.7
12- 5	do	2764.7	6-22	do	787.0
12- 8	do	2210.4	6-27	do	3191.0
12-12	do	2524.0	7- 6	do	1787.0
12-15	do	1614.5	7-13	do	560.8
12-23	do	2105.0	7-17	do	125.0
1-10	do	5206.6	7-27	do	2182.0
1-19	do	446.8	8- 3	do	1346.0
1-31	do	2565.3	8-10	do	196.0
2-17	do	505.0	8-17	do	1545.0
3-13	do	5802.4	8-24	do	145.0
3-21	do	2269.7	9- 1	do	211.0
3-30	do	2470.0	9- 7	do	131.0
4- 6	do	2838.9	9-14	do	90.0
4-13	do	1451.0	9-29	do	834.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
------	--------------	-----------------------	------	--------------	-----------------------

LOUP RIVER, MIDDLE
Sargent—Sec. 10-19-18 W.

10- 7	H. S. Peters	786.0	5-19	G. Travis	743.0
10-14	do	799.0	5-26	do	881.0
10-21	do	815.0	6- 2	do	1210.0
10-28	do	812.0	6- 9	do	756.0
11- 3	do	884.0	6-16	do	761.0
11-11	do	830.0	6-23	do	717.0
11-18	do	864.0	6-30	do	721.0
11-28	do	714.0	7- 7	do	676.1
12- 4	do	923.0	7-14	do	633.0
12-10	do	874.0	7-21	do	682.0
12-15	do	792.0	7-28	do	730.0
12-21	do	702.0	8- 4	do	624.0
4-14	G. Travis	902.0	8-11	do	700.0
4-28	do	775.0	8-18	do	592.0
5- 5	do	725.0	8-25	do	697.0
5-14	do	795.0			

LOUP RIVER, MIDDLE
Arcadia—Sec. 26-17-16 W.

10- 7	H. S. Peters	615.0	4-29	G. Travis	684.0
10-13	do	794.0	5- 6	do	667.0
10-21	do	784.0	5-13	do	793.0
10-30	do	870.2	5-20	do	677.0
11- 4	do	881.0	5-28	do	1340.0
11-10	do	845.0	6- 3	do	847.0
11-17	do	896.0	6-11	do	866.0
11-29	do	772.0	6-17	do	657.0
12- 3	do	923.0	6-24	do	655.0
12-11	do	906.0	7- 1	do	680.0
12-16	do	813.0	7- 8	do	650.0
12-21	do	773.0	7-16	do	381.0
1-12	Wahl-Eisenhuth	970.0	7-22	do	470.0
1-27	R. A. Wahl	719.0	7-29	do	496.0
2-11	F. D. Reed	127.0	8- 5	do	469.0
3- 3	do	965.0	8-12	do	579.0
3-10	C. B. Ham	1580.0	8-19	do	482.0
3-22	do	908.0	8-26	do	538.0
3-29	Travis-Ham	1190.0	9- 2	do	574.0
3- 5	G. Travis	975.1	9- 9	do	579.0
4-10	Travis-Wahl	783.0	9-16	do	554.0
4-15	G. Travis	861.0	9-23	do	559.3
4-22	do	662.0	9-30	do	685.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
LOUP RIVER, MIDDLE					
Boelus—Sec. 29-13-12 W.					
10- 8	R. A. Wahl	83.8	5-10	R. F. Kaser	172.0
10-25	do	141.0	5-18	do	58.8
11- 5	C. B. Ham	334.0	6- 8	C. J. Osborne	65.8
11-17	do	261.0	6-20	do	59.5
1-13	R. A. Wahl	1130.0	7-10	C. B. Ham	41.1
1-27	do	909.0	7-17	do	8.6
2-12	F. D. Reed	154.0	7-19	Fred Hervert	9.1
3- 3	do	994.0	8-11	L. R. Sawyer	41.1
3-13	C. B. Ham	1610.0	8-20	do	505.0
3-28	do	555.0	9-13	L. F. Hanks	17.4
4-12	R. A. Wahl	309.0	9-20	do	8.7
4-21	do	738.0			
LOUP RIVER, MIDDLE					
St. Paul—Sec. 10-14-10 W.					
10-10	R. A. Wahl	720.0	4-20	R. A. Wahl	1100.0
10-25	do	921.0	5-10	R. F. Kaser	822.0
11- 7	C. B. Ham	957.0	5-18	do	732.0
11-18	do	1030.0	6- 9	C. J. Osborne	833.0
12- 6	L. F. Hanks	1330.0	6-20	do	661.0
1-10	Wahl-Eisenhuth	2190.0	7-10	C. B. Ham	781.0
1-19	R. A. Wahl	551.0	7-18	do	382.0
2- 7	F. D. Reed	988.0	8-11	L. R. Sawyer	624.0
2-23	do	1060.0	8-20	do	570.0
3-11	C. B. Ham	2030.0	9-13	L. F. Hanks	488.0
3-24	Ham-Wilson	1070.0	9-20	do	515.0
4-12	R. A. Wahl	1070.0			
LOUP RIVER, NORTH					
Taylor—Sec. 22-21-18 W.					
10-12	R. A. Wahl	400.0	6-11	C. J. Wilson	386.0
11-14	C. B. Ham	460.0	6-14	do	489.0
1-11	Eisenhuth-Wahl	587.0	6-21	do	672.2
1-27	R. A. Wahl	457.0	6-30	Wilson-Sargent	400.0
2-10	F. D. Reed	327.0	7- 5	C. J. Wilson	412.0
3- 2	do	592.0	7-13	do	246.0
3-10	C. B. Ham	542.0	7-21	do	178.0
3-23	do	534.0	7-26	do	153.0
4- 8	Wahl-Wilson	405.0	8- 3	do	242.0
4-15	C. J. Wilson	406.0	8- 9	do	265.0
4-20	do	428.0	8-15	do	242.0
4-26	do	406.0	8-23	do	242.0
5- 3	do	440.0	8-29	do	408.0
5-10	do	425.4	9- 6	do	332.0
5-17	do	362.0	9-12	do	302.0
5-22	do	394.0	9-21	do	285.0
6- 9	do	436.0	9-27	do	305.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
LOUP RIVER, NORTH					
Burwell—Sec. 19-21-16 W.					
10-12	R. A. Wahl	670.0			
LOUP RIVER, NORTH					
Ord—Sec. 26-19-14 W.					
10-11	Wahl-McOstrich	727.0			
LOUP RIVER, NORTH					
Scotia—Sec. 8-17-12 W.					
10-11	McOstrich-Wahl	738.0	6- 8	C. J. Wilson	563.0
11- 8	C. B. Ham	985.0	6-13	do	1770.0
1-10	Wahl-Eisenhuth	1380.0	6-21	do	816.1
1-26	R. A. Wahl	585.0	6-30	Wilson-Sargent	701.0
2- 8	F. D. Reed	559.0	7- 6	Wilson-Hansen	701.0
3- 1	do	956.0	7-15	do	282.0
3- 9	C. B. Ham	1280.0	7-21	C. J. Wilson	267.0
3-23	do	881.0	7-27	do	242.0
4- 8	Wilson-Wahl	811.0	8- 3	do	553.0
4-14	C. J. Wilson	835.0	8- 8	do	337.0
4-20	do	801.0	8-15	do	516.0
4-27	do	759.0	8-24	do	470.0
5- 3	do	680.0	8-29	do	792.0
5-10	do	704.0	9- 7	Wilson-Anderson	591.0
5-17	do	616.0	9-13	C. J. Wilson	613.0
5-22	do	1650.0	9-20	do	519.0
5-31	do	745.0	9-28	do	593.0
LOUP RIVER, NORTH					
St. Paul—Sec. 22-15-10 W.					
10-10	R. A. Wahl	710.0	4-20	R. A. Wahl	811.0
10-25	do	684.0	5-11	R. F. Kaser	654.0
11- 7	C. B. Ham	892.0	5-18	do	485.0
11-19	do	789.0	6- 8	C. J. Osborne	592.9
12- 6	L. F. Hanks	937.0	6-20	do	585.0
1- 9	Wahl-Eisenhuth	1570.0	7-10	C. B. Ham	556.0
1-19	R. A. Wahl	559.0	7-17	do	368.0
2- 6	F. D. Reed	771.0	8-11	L. R. Sawyer	399.0
2-22	do	705.0	8-20	do	395.0
3-11	C. B. Ham	1820.0	9-13	L. F. Hanks	464.0
3-24	Ham-Wilson	809.0	9-20	do	464.0
4- 7	R. A. Wahl	1020.0			
LOUP RIVER, SOUTH					
Callaway—Sec. 2-15-23 W.					
10-19	R. A. Wahl	71.5	3-30	C. B. Ham	99.4
11-13	C. B. Ham	96.4	4-11	R. A. Wahl	86.4
1-28	R. A. Wahl	73.1	5- 9	R. F. Kaser	87.3
3- 2	F. D. Reed	63.5	6-19	C. J. Osborne	36.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
McGUIRE'S SLOUGH Sec. 21-6-40 W.					
10-18	K. S. Essex	1.8	5- 8	K. S. Essex	2.9
11-29	do	2.3	6- 6	do	1.7
1-12	do	2.0	6-27	do	1.8
2- 7	do	1.6	7-20	do	1.2
2-28	do	2.6	8-14	do	2.5
4-18	Essex-Dodd	3.5	9-11	do	1.7
MEDICINE CREEK Cambridge—Sec. 18-4-25 W.					
10- 7	R. A. Wahl	32.7	5-17	R. F. Kaser	41.8
10-26	do	39.0	6- 3	C. J. Osborne	45.3
11-20	L. F. Hanks	42.2	6-24	do	93.0
12-12	do	27.1	7- 9	C. B. Ham	37.8
1- 6	Wahl-Eisenhuth	57.5	7-24	do	28.0
2- 4	F. D. Reed	62.2	8- 8	L. R. Sawyer	175.0
3- 8	C. B. Ham	78.6	8- 9	do	72.1
3-17	L. R. Sawyer	58.7	8-21	do	26.9
4- 5	R. A. Wahl	216.0	9- 8	L. F. Hanks	21.3
4-28	do	47.6	9-21	do	20.2
MELBETA DRAIN One-half Mile West of Melbeta Bridge—Sec. 13-21-54 W.					
10-12	H. H. Odell	3.7	6- 5	H. H. Odell	0.0
11- 1	do	2.9	6- 9	do	4.4
12- 1	do	2.1	6-22	do	2.8
1- 5	do	2.6	7- 7	do	.1
2- 7	do	2.3	7-25	H. P. Eisenhuth	.0
3- 3	do	2.3	8- 4	do	.0
4- 4	do	1.9	8-18	do	.0
4-19	do	2.4	9- 8	do	1.2
5- 5	do	.1	9-23	do	.1
5-17	do	3.6			
MINNECHADUZA CREEK Valentine—Sec. 23-34-29 W.					
10- 5	K. S. Essex	9.4	5-24	K. S. Essex	20.3
11- 3	do	12.5	6-25	do	21.2
12-16	do	18.2	7-11	do	8.6
1-27	do	12.5	8- 4	Essex-Rasmussen	7.9
3-10	do	29.9	8-30	K. S. Essex	12.8
4- 4	do	25.5	9-25	do	12.1
4-28	do	19.4			
MITCHELL HIGHWAY DRAIN Sec. 34-23-56 W.					
11- 4	H. H. Odell	0.4	1- 5	H. H. Odell	0.2
12- 1	do	.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
MOFFAT DRAIN Sec. 25-22-53 W.					
8-23	H. P. Eisenhuth	1.5	9-14	H. P. Eisenhuth	0.0
MONROE CREEK Below Monroe Canal—Sec. 33-33-56 W.					
10-11	Essex-Rasmussen	0.1	7-15	K. S. Essex	0.0
5- 2	K. S. Essex	.0	8- 8	do	.1
6-20	do	.0			
MUDDY CREEK Hazard—Sec. 29-13-15 W.					
10-19	R. A. Wahl	14.1	3-28	C. B. Ham	25.2
11-13	C. B. Ham	17.5	4-11	R. A. Wahl	23.0
1-27	R. A. Wahl	23.6	5-10	R. F. Kaser	20.8
3- 3	F. D. Reed	31.6	6-20	C. J. Osborne	16.7
NINE MILE DRAIN Minatare—Sec. 25-21-53 W.					
10- 4	H. H. Odell	149.0	5- 1	H. H. Odell	63.8
10-18	do	124.0	5-17	do	87.1
11- 4	do	128.0	6- 1	do	131.0
11-17	do	120.0	6-14	do	141.0
12- 3	do	113.0	6-26	Odell-Eisenhuth	127.0
12-17	do	109.0	7-12	H. H. Odell	116.0
1- 7	do	99.1	7-20	H. P. Eisenhuth	103.0
1-20	do	97.3	7-26	do	120.0
2- 6	do	90.6	8- 1	do	116.0
2-18	do	91.7	8-15	do	125.0
3- 3	do	89.2	9- 5	do	130.0
3-22	do	84.6	9-20	do	158.0
4- 6	do	85.0	9-30	Essex-Eisenhuth	153.0
4-18	do	76.0			
NIOBRARA RIVER Wyoming-Nebraska State Line—Sec. 20-31-58 W.					
10-11	Essex-Rasmussen	4.5	6-20	K. S. Essex	2.6
11- 7	K. S. Essex	5.3	7-15	do	.1
1-30	do	4.0	8- 8	do	3.3
5- 2	do	7.5	9- 1	Essex-Rasmussen	3.9
5-26	Essex-Rasmussen	5.2			
NIOBRARA RIVER South of Harrison—Sec. 9-29-56 W.					
10-11	Essex Rasmussen	7.3	6-20	K. S. Essex	6.1
11- 7	K. S. Essex	15.6	7-15	do	4.3
1-30	do	10.4	8- 8	do	8.1
4- 6	do	10.1	9- 1	Essex-Rasmussen	4.6
5-26	Essex-Rasmussen	13.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
NIOBRARA RIVER					
Agate—Sec. 7-28-55 W.					
10-10	K. S. Essex	12.8	5-26	Essex-Rasmussen	14.4
11- 7	do	11.2	6-21	K. S. Essex	5.5
1-30	do	18.5	7-13	Essex-Rasmussen	4.5
4- 6	do	24.7	8-28	K. S. Essex	7.2
5- 3	do	7.4	9-23	do	4.0
NIOBRARA RIVER					
Below Mouth of Whistle Creek—Sec. 7-28-53 W.					
11- 8	K. S. Essex	15.3	6-21	K. S. Essex	5.2
1-30	do	31.4	7-13	Essex-Rasmussen	3.3
4- 6	do	43.9	8-28	K. S. Essex	1.8
5- 3	do	9.3	9-23	do	2.8
5-27	do	5.1			
NIOBRARA RIVER					
East of Marsland—Sec. 36-29-51 W.					
10-10	K. S. Essex	14.4	6-21	K. S. Essex	6.5
11- 8	do	18.7	7-14	do	7.8
4- 7	do	50.6	8-28	do	5.4
5- 1	do	24.1	9-23	do	5.4
5-27	do	9.2			
NIOBRARA RIVER					
Dunlap—Sec. 27-29-48 W.					
10- 3	K. S. Essex	13.7	4- 7	K. S. Essex	70.4
10- 7	do	12.6	4-26	do	47.5
11- 4	do	11.3	5- 1	do	29.8
11- 8	do	15.2	5-19	do	4.0
12-14	do	54.4	5-24	Essex-Rasmussen	9.9
1-25	do	43.8	5-30	K. S. Essex	6.8
1-31	do	46.7	6-15	do	9.9
2-13	do	46.6	7-14	do	20.3
3- 9	do	64.1	8- 1	do	121.0
3-14	do	107.0	8-28	do	3.2
3-31	do	72.7	9-23	do	2.4
NIOBRARA RIVER					
South of Gordon—Sec. 15-31-41 W.					
10- 5	K. S. Essex	75.4	5-24	K. S. Essex	74.3
11- 3	do	151.8	6-22	do	81.6
12-16	do	143.0	7-12	do	52.3
1-27	do	124.3	8- 5	Essex-Rasmussen	86.8
3-11	do	555.4	8-30	K. S. Essex	55.6
4- 4	do	173.0	9-24	do	62.6
4-28	do	144.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
NIOBRARA RIVER					
Below Moore Canal—Sec. 9-28-53 W.					
7-13	Essex-Rasmussen	4.3			
NIOBRARA RIVER					
Valentine—Sec. 28-33-28 W.					
10- 4	K. S. Essex	662.2	5-23	K. S. Essex	937.4
11- 2	do	782.1	6-23	do	635.7
12-16	do	773.3	7-11	do	568.4
1-26	do	824.6	8- 4	Essex-Rasmussen	670.7
3-10	do	1155.0	8-29	K. S. Essex	595.2
4- 3	do	861.9	9-25	do	575.9
4-27	do	769.0			
NIOBRARA RIVER					
Below Dam at Valentine—Sec. 22-34-27 W.					
10- 4	K. S. Essex	712.8	5-23	K. S. Essex	989.2
11- 1	do	797.2	6-22	do	678.6
12-16	do	787.5	7-10	do	734.3
1-26	do	730.0	7-11	do	699.2
3-10	do	1273.3	8- 4	Essex-Rasmussen	650.6
4- 3	do	1038.0	8-29	K. S. Essex	866.2
4-27	do	877.6	9-25	do	721.1
5-22	do	662.2			
NIOBRARA RIVER					
Verdel—Sec. 23-32-8 W.					
10-21	R. A. Wahl	1010.0	6- 9	J. H. Meyer	1100.0
10-29	J. W. Odell	1120.0	6-17	C. J. Osborne	2050.0
11-15	C. B. Ham	1280.0	6-30	J. H. Meyer	708.0
1-25	R. A. Wahl	1150.0	7-11	J. C. Berkenbosch	794.0
2-28	F. D. Reed	1570.0	7-19	C. B. Ham	782.0
3-21	C. B. Ham	4540.0	7-31	Leeson-Craig	782.0
4-26	R. A. Wahl	1520.0	8- 9	John A. Short	800.0
4-29	K. J. Craig	1340.0	8-17	Sawyer-Follansbee	759.0
5-10	do	1170.0	9-11	C. H. Jennings	774.0
5-11	R. F. Kaser	1050.0	9-18	L. F. Hanks	724.0
5-30	K. J. Craig	1510.0			
OAK CREEK					
Lincoln—Sec. 16-10-6 E.					
10-15	R. A. Wahl	4.0	3-16	C. B. Ham	16.0
11-10	C. B. Ham	3.3	4-17	R. A. Wahl	4.3
1-16	R. A. Wahl	1.5	5-14	R. F. Kaser	2.4
2-15	F. D. Reed	5.2	6-12	C. J. Osborne	6.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
OTTER CREEK					
Lemoyne—Sec. 5-15-40 W.					
11- 1	A. W. Hall	22.6	6- 7	Fred Hervert	18.1
11-14	do	17.1	6-29	do	17.7
2-13	do	28.7	8- 4	A. W. Hall	14.0
4-19	do	5.6	8-19	Fred Hervert	17.4
5-11	Fred Hervert	18.9	9-16	do	17.1
5-23	do	20.3			
PAWNEE CREEK					
Sec. 4-12-27 W.					
11- 2	A. W. Hall	8.9	5-28	Fred Hervert	13.6
11-19	do	6.3	6-11	do	2.5
2-15	do	7.7	6-24	do	4.0
3- 6	do	4.6	7- 7	do	3.0
4- 4	do	3.8	7-20	A. W. Hall	3.4
4-22	do	8.9	9-13	Fred Hervert	.0
5- 5	Fred Hervert	6.9			
PINE CREEK					
Colclessor Mill—Sec. 33-30-44 W.					
4-28	K. S. Essex	19.4	7-12	K. S. Essex	11.5
5-24	do	16.0	9-24	do	13.4
PLUM CREEK					
U.P.R.R. Bridge—Sec. 10-19-49 W.					
11-14	A. W. Hall	1.8	7- 1	Fred Hervert	0.6
4-19	do	1.3	7-12	do	.9
5- 1	Fred Hervert	1.0	8- 2	A. W. Hall	.3
5-24	do	.3	9-18	Fred Hervert	1.3
6-22	do	1.4			
PRAIRIE DOG CREEK					
West Line of Sec. 32-1-18 W.					
8-16	Essex-Gerlach	2.9			
PRAIRIE DOG CREEK					
East Line of Sec. 32-1-18 W.					
8-16	Essex-Gerlach	3.0			
PRAIRIE DOG CREEK					
West Line of Sec. 24-1-18 W.					
8-16	Essex-Gerlach	9.7			
PUMPKINSEED CREEK					
Gering-Kimball Highway—Sec. 4-19-55 W.					
10-15	Essex-Dodd	2.7	7-18	K. S. Essex	0.5
5- 6	K. S. Essex	7.6	7-29	do	.8
6-13	do	.4	9-12	do	.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
PUMPKINSEED CREEK					
Above Heard Canal—Sec. 14-19-54 W.					
10-15	Essex-Dodd	3.1	5- 6	K. S. Essex	3.5
PUMPKINSEED CREEK					
Below Mosier Dam—Sec 21-19-53 W.					
10-15	Essex-Dodd	5.3			
PUMPKINSEED CREEK					
Below Mutual Canal—Sec. 27-19-52 W.					
10-14	Essex-Dodd	7.3	7-29	K. S. Essex	0.0
4-25	K. S. Essex	13.5	8-12	do	.0
6-13	do	4.4	9-11	do	.0
7-18	do	4.3	9-29	do	.2
PUMPKINSEED CREEK					
North of Redington—Sec. 24-19-52 W.					
10-15	Essex-Dodd	9.9			
PUMPKINSEED CREEK					
Below Round House Rock Canal—Sec. 27-19-51 W.					
10-15	Essex-Dodd	14.5	4-25	K. S. Essex	20.2
PUMPKINSEED CREEK					
Five Miles South of Bridgeport—Sec. 28-19-50 W.					
10-14	Essex-Dodd	4.6	6-14	K. S. Essex	4.2
11-12	K. S. Essex	8.5	7- 3	do	4.2
4-25	do	30.3	7-18	do	19.1
5- 5	do	6.0	7-29	do	4.5
5-18	do	5.5			
PUMPKINSEED CREEK					
Mouth—Sec. 12-19-50 W.					
10-14	Essex-Dodd	14.9	5-18	K. S. Essex	5.3
11-12	K. S. Essex	35.5	6-14	do	13.7
12-13	do	33.7	6-21	Fred Hervert	395.0
1-21	do	48.1	6-20	do	17.4
2-13	do	45.7	7- 3	K. S. Essex	15.9
2-22	do	36.5	7-18	do	34.2
3- 9	H. H. Odell	394.0	8-12	do	6.6
3-10	do	216.0	9- 8	Fred Hervert	13.8
3-16	K. S. Essex	61.8	9-11	K. S. Essex	8.5
4-25	do	55.1	9-19	Fred Hervert	14.2
5- 5	do	15.6	9-29	K. S. Essex	13.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
RED WILLOW CREEK					
Below Wild Horse Drain—Sec. 7-20-51 W.					
10- 4	H. H. Odell	106.0	4-19	H. H. Odell	55.2
10-18	do	110.0	5- 1	do	45.4
11- 4	do	119.0	5-17	do	25.6
11-17	do	92.9	6- 1	do	198.0
12- 3	do	96.8	6-14	do	69.9
12-17	do	79.3	6-26	Odell-Eisenhuth	53.9
1-11	do	69.5	7-12	H. H. Odell	49.1
1-20	do	69.7	7-20	H. P. Eisenhuth	79.4
2- 6	do	63.2	7-26	do	47.5
2-18	do	78.0	8- 1	do	87.9
3- 4	do	62.0	8-15	do	44.6
3-22	do	61.7	9- 5	do	60.8
4- 6	do	55.9	9-20	do	59.2
RED WILLOW CREEK					
Red Willow—Sec. 8-3-28 W.					
10-20	K. S. Essex	11.9	5-10	K. S. Essex	22.5
12- 1	do	27.8	6- 9	do	14.7
1-14	do	34.4	6-29	do	763.1
3- 3	do	42.0	8-16	Essex-Gerlach	17.4
3-23	do	43.5	9-21	L. F. Hanks	6.0
4-21	Essex-Dodd	23.0			
REPUBLICAN RIVER					
Colorado-Nebraska Line—Sec. 10-1-42 W.					
10-21	K. S. Essex	25.8	5-1	Wahl-Rowland	36.9
10-27	R. A. Wahl	31.7	5-11	K. S. Essex	13.3
11-22	L. F. Hanks	60.2	5-21	R. F. Kaser	10.7
12- 3	K. S. Essex	60.1	6- 9	Essex-Rowland	23.5
12-13	L. F. Hanks	60.9	6-30	C. J. Osborne	7.0
1- 4	R. A. Wahl	59.7	7- 6	C. B. Ham	3.5
1-16	K. S. Essex	62.0	7-25	do	3.0
2- 2	F. D. Reed	56.1	8- 8	L. R. Sawyer	11.1
2-10	K. S. Essex	37.9	8-17	Essex-Gerlach	7.5
3- 3	do	56.7	8-22	L. R. Sawyer	7.0
3- 6	C. B. Ham	58.4	9- 7	L. F. Hanks	6.7
3-24	K. S. Essex	57.0	9-15	K. S. Essex	9.2
4-22	Essex-Dodd	66.1	9-23	L. F. Hanks	8.9
REPUBLICAN RIVER, NORTH FORK					
Benkelman—Sec. 19-1-37 W.					
10-21	K. S. Essex	52.9	5-11	K. S. Essex	43.1
12- 2	do	146.0	6- 9	do	45.8
1-14	do	122.8	6-30	do	29.6
3- 2	do	98.1	7-21	do	.0
3-23	do	102.5	8-17	Essex-Gerlach	15.9
4-21	Essex-Dodd	92.0	9-15	K. S. Essex	2.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
REPUBLICAN RIVER, SOUTH FORK					
Benkelman—Sec. 31-1-37 W.					
10- 6	R. A. Wahl	14.9	5-11	K. S. Essex	17.2
10-21	K. S. Essex	13.3	5-21	R. F. Kaser	.1
10-27	R. A. Wahl	25.7	6- 3	C. J. Osborne	20.0
11- 3	C. B. Ham	28.5	6- 9	K. S. Essex	.0
11-22	L. F. Hanks	15.9	6-21	L. R. Sawyer	121.0
12- 2	K. S. Essex	134.0	6-30	K. S. Essex	44.2
1- 5	Wahl-Eisenhuth	45.6	7- 7	C. B. Ham	8.9
1-14	K. S. Essex	53.3	7-21	K. S. Essex	.0
2- 3	F. D. Reed	15.3	7-25	C. B. Ham	.0
3- 2	K. S. Essex	49.8	8- 8	L. R. Sawyer	17.1
3- 7	C. B. Ham	130.0	8-17	Essex-Gerlach	.0
3-17	L. R. Sawyer	78.1	8-21	L. R. Sawyer	15.1
3-23	K. S. Essex	41.5	9- 7	L. F. Hanks	.0
4- 3	Wahl-Follansbee	66.6	9-15	K. S. Essex	.0
4-21	Essex-Dodd	57.8	9-22	L. F. Hanks	.0
5- 1	R. A. Wahl	23.9			
REPUBLICAN RIVER					
Max—Sec. 32-2-36 W.					
10- 6	Wahl-Eisenhuth	45.1	4-29	R. A. Wahl	108.0
10-20	K. S. Essex	52.8	5-11	K. S. Essex	48.7
10-27	R. A. Wahl	72.0	5-21	R. F. Kaser	14.2
11- 4	C. B. Ham	81.8	6- 3	C. J. Osborne	247.0
11-21	L. F. Hanks	103.0	6- 8	K. S. Essex	50.1
12- 2	K. S. Essex	206.0	6-21	L. R. Sawyer	377.0
12-13	L. F. Hanks	75.8	6-29	K. S. Essex	79.2
1- 5	Wahl-Eisenhuth	269.0	7- 7	C. B. Ham	19.5
1-14	K. S. Essex	164.0	7-21	K. S. Essex	.0
2- 3	F. D. Reed	73.0	7-25	C. B. Ham	.0
2- 9	K. S. Essex	19.2	8- 8	L. R. Sawyer	58.7
3- 2	do	136.0	8-17	Essex-Gerlach	14.0
3- 7	C. B. Ham	378.0	8-21	L. R. Sawyer	9.0
3-16	L. R. Sawyer	173.0	9- 7	L. F. Hanks	.0
3-23	K. S. Essex	128.0	9-15	K. S. Essex	.0
4- 4	Wahl-Follansbee	180.0	9-22	L. F. Hanks	.0
4-21	Essex-Dodd	147.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
REPUBLICAN RIVER					
Culbertson—Secs. 17 and 20-3-31 W.					
10- 7	R. A. Wahl	28.1	4-29	R. A. Wahl	94.8
10-19	K. S. Essex	36.3	5-10	K. S. Essex	69.8
10-27	R. A. Wahl	65.6	5-20	R. F. Kaser	35.6
11- 4	C. B. Ham	78.2	6- 3	C. J. Osborne	378.0
11-20	L. F. Hanks	127.0	6- 8	K. S. Essex	31.5
11-30	K. S. Essex	73.9	6-22	L. R. Sawyer	519.0
12-12	L. F. Hanks	150.0	6-29	K. S. Essex	153.0
1- 6	Wahl-Eisenhuth	248.0	7- 7	C. B. Ham	29.4
1-13	K. S. Essex	217.0	7-21	K. S. Essex	.0
2- 4	F. D. Reed	45.1	7-24	C. B. Ham	.0
2- 9	K. S. Essex	12.8	8- 8	L. R. Sawyer	61.8
3- 1	do	104.0	8-17	Essex-Gerlach	2.3
3- 8	C. B. Ham	393.0	8-21	L. R. Sawyer	1.5
3-16	L. R. Sawyer	197.0	9- 8	L. F. Hanks	.0
3-22	K. S. Essex	162.0	9-15	K. S. Essex	.0
4- 5	R. A. Wahl	160.0	9-22	L. F. Hanks	.0
4-20	Essex-Dodd	176.0			
REPUBLICAN RIVER					
McCook—Sec. 32-3-29 W.					
10-20	K. S. Essex	57.6	4-20	Essex-Dodd	404.1
1-14	do	366.6	5-10	K. S. Essex	128.4
3- 1	do	348.2	6- 8	do	22.2
3-23	do	317.7	6-29	do	407.3
REPUBLICAN RIVER					
Bloomington—Sec. 8-1-15 W.					
10-18	R. A. Wahl	64.4	5-16	R. F. Kaser	176.0
11-12	C. B. Ham	165.0	6- 5	C. J. Osborne	419.0
11-19	L. F. Hanks	198.0	6-22	do	12900.0
1- 7	Wahl-Eisenhuth	378.0	6-22	do	12200.0
2-18	F. D. Reed	297.0	6-23	do	4470.0
3-17	L. R. Sawyer	696.0	6-24	do	2130.0
3-18	C. B. Ham	592.0	7-15	C. B. Ham	187.0
4- 4	Wahl-Follansbee	1380.0	8-15	L. R. Sawyer	405.0
4- 6	R. A. Wahl	842.0	9- 9	L. F. Hanks	18.5
4-27	do	426.0			
REPUBLICAN RIVER					
Hardy—Sec. 6-15-5 W.					
10-18	R. A. Wahl	99.1	6- 5	C. J. Osborne	1150.0
11-12	C. B. Ham	198.0	6-14	do	832.0
11-22	do	146.0	6-23	do	11000.0
1-18	R. A. Wahl	150.0	6-23	do	8140.0
2-18	F. D. Reed	273.0	7-14	C. B. Ham	318.0
3-18	C. B. Ham	803.0	8-11	L. R. Sawyer	371.0
4- 6	R. A. Wahl	1280.0	8-21	do	208.0
4-19	do	807.0	9-11	L. F. Hanks	32.4
5-16	R. F. Kaser	232.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
ROCK CREEK					
Parks—Sec. 21-1-39 W.					
10-21	K. S. Essex	17.6	4-21	Essex-Dodd	13.7
12- 2	do	14.0	5-11	K. S. Essex	11.9
1-16	do	13.8	6- 9	do	12.6
2-10	do	8.6	6-30	do	11.7
3- 3	do	12.6	8-17	Essex-Gerlach	11.1
3-24	do	12.6	9-15	K. S. Essex	11.1
SAND CREEK					
Sec. 2-32-52 W.					
7-31	Essex-Rasmussen	247.1			
SAND CREEK					
Sec. 10-15-40 W.					
2-13	A. W. Hall	2.8	6-17	Fred Hervert	6.8
3-29	do	3.0	6-29	do	.0
5-11	Fred Hervert	4.3	8-19	do	1.2
5-23	do	2.2	9-16	do	1.0
SAPPA CREEK					
Beaver City—Sec. 14-1-23 W.					
10-26	R. A. Wahl	0.0	4-28	R. A. Wahl	0.9
11- 5	C. B. Ham	.0	5-17	R. F. Kaser	.2
11-20	L. F. Hanks	.0	6- 4	C. J. Osborne	56.1
1- 7	Wahl-Eisenhuth	.0	7- 9	C. B. Ham	6.7
2- 5	F. D. Reed	.6	8- 9	L. R. Sawyer	15.0
3- 8	C. B. Ham	2.0	9- 9	L. F. Hanks	.0
SARBEN SLOUGH					
Sec. 20-14-35 W.					
11-15	A. W. Hall	1.8	7-21	A. W. Hall	0.4
2-18	do	2.3	8-10	do	1.7
5- 3	Fred Hervert	1.5	8-18	Fred Hervert	1.5
5-20	do	3.2	8-31	do	1.1
6-16	do	1.0	9-15	do	1.3
7- 6	do	1.6			
SCOTTSBLUFF DRAIN NO. 1					
Sec. 25-22-55 W.					
10- 5	H. H. Odell	10.6	6- 1	H. H. Odell	6.2
11- 4	do	10.0	6-15	do	3.4
12- 3	do	9.6	6-26	Odell-Eisenhuth	6.0
1- 7	do	9.4	7-12	H. H. Odell	8.6
2- 6	do	9.1	7-27	H. P. Eisenhuth	11.6
3- 3	do	5.7	8- 9	do	10.4
4- 3	do	4.8	8-23	do	14.8
4-20	do	6.8	9-14	do	12.5
5- 2	do	4.6	9-27	do	9.9
5-17	do	6.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
SCOTTSBLUFF DRAIN NO. 2 Sec. 34-22-54 W.					
10-12	H. H. Odell	7.6	5-24	H. H. Odell	4.8
11- 1	do	6.7	6- 7	do	4.8
12- 3	do	3.8	6-21	do	5.2
1- 7	do	2.9	7- 5	Odell-Higby	3.3
2- 6	do	2.3	7-20	H. P. Eisenhuth	6.6
3- 3	do	3.0	8- 2	do	6.2
4- 3	do	3.3	8-16	do	7.9
4-22	do	2.3	9- 6	do	7.3
5- 2	do	2.0	9-20	do	8.0
SCOUT CREEK North Platte—Sec. 20-14-30 W.					
5-4	Fred Hervert	0.1	8-30	Fred Hervert	4.0
8-17	do	5.6	9-14	do	11.2
SHEEP CREEK Sec. 16-23-57 W.					
10- 6	H. H. Odell	97.5	5- 3	H. H. Odell	53.3
10-19	do	88.2	5-13	do	11.2
11- 3	do	83.4	6- 3	do	16.0
11-16	do	64.9	6-16	do	9.1
12- 2	do	54.7	6-27	Odell-Eisenhuth	10.2
12-16	do	68.4	7-13	H. H. Odell	10.9
1- 6	do	67.0	7-20	H. P. Eisenhuth	10.9
1-19	do	67.1	7-28	do	14.2
2- 3	do	60.7	8- 3	do	12.2
2-17	do	62.7	8-17	do	18.4
3- 2	do	59.2	9- 6	do	11.0
3-22	do	62.6	9-14	do	11.8
4- 5	do	59.4	9-21	do	11.1
4-21	do	56.1			
SILVERNAIL DRAIN Sec. 6-19-49 W.					
11-14	A. W. Hall	7.5	7- 1	Fred Hervert	7.5
4-19	do	3.9	7-12	do	26.3
5- 1	Fred Hervert	3.5	8- 2	A. W. Hall	6.1
5-24	do	6.1	8-21	Fred Hervert	6.3
6-22	do	33.4	9-18	do	17.4
SKUNK CREEK Sec. 1-14-37 W.					
4-20	A. W. Hall	1.7	7- 6	Fred Hervert	1.6
5- 3	Fred Hervert	2.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
SNAKE RIVER					
Five Miles Above Falls—Sec. 29-31-30 W.					
10- 4	K. S. Essex	273.3	5-23	K. S. Essex	329.0
11- 2	do	247.0	6-23	do	242.3
1-26	do	254.7	7-11	do	233.3
4- 4	do	287.1	8- 4	Essex-Rasmussen	236.4
SOLDIER CREEK					
Below Soldier Creek Canal—Sec. 18-31-52 W.					
10- 8	K. S. Essex	0.2	5- 1	K. S. Essex	1.2
3-13	do	3.7	8-31	do	.2
4- 5	do	.0	9-22	do	.0
SOW BELLY CREEK					
Sec. 5-32-55 W.					
10-11	Essex-Rasmussen	2.0	7-15	K. S. Essex	0.1
5- 2	K. S. Essex	.1	8- 8	do	.6
6-20	do	.1	9- 1	Essex-Rasmussen	.3
SPOTTED TAIL CREEK, DRY					
Sec. 28-23-56 W.					
10-12	H. H. Odell	37.8	6- 3	H. H. Odell	42.6
11- 3	do	31.7	6-15	do	38.7
12- 3	do	25.7	6-27	Odell-Eisenhuth	43.1
1- 5	do	29.7	7-13	H. H. Odell	38.3
2- 4	do	21.8	7-28	H. P. Eisenhuth	23.7
3- 2	do	36.5	8-10	do	22.5
4- 4	do	18.9	8-24	do	25.8
4-20	do	16.6	9-15	do	27.4
5- 4	do	12.1	9-28	do	38.7
5-16	do	20.8	9-28	do	32.4
SPOTTED TAIL CREEK, WET					
Sec. 6-22-55 W.					
10-13	H. H. Odell	16.6	6- 2	H. H. Odell	16.4
11- 3	do	20.0	6-15	do	14.9
12- 3	do	17.9	6-27	Odell-Eisenhuth	19.2
1- 7	do	15.8	7-13	H. H. Odell	18.5
2- 6	do	13.7	7-27	H. P. Eisenhuth	15.0
3- 2	do	15.1	8- 9	do	17.6
4- 4	do	12.6	8-23	do	14.2
4-20	do	11.4	9-14	do	14.0
5- 3	do	11.5	9-27	do	15.8
5-16	do	14.7			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
SPRING CREEK					
Wyoming-Nebraska Line—Sec. 4-23-58 W.					
10- 6	H. H. Odell	9.6	6- 2	H. H. Odell	9.8
11- 4	do	13.1	6-17	do	15.0
12- 2	do	10.9	7- 7	do	13.8
1- 6	do	10.7	7-21	H. P. Eisenhuth	9.6
2- 4	do	10.1	8- 3	do	15.7
3- 2	do	9.8	8-17	do	8.3
4- 5	do	10.1	9- 1	do	9.5
4-22	do	9.0	9- 7	do	10.1
5- 4	do	8.9	9-21	do	7.6
5-15	do	7.2			
SPRING CREEK					
Tributary to Little Cottonwood Creek—Sec. 13-32-52 W.					
10- 6	K. S. Essex	0.2	7-13	K. S. Essex	0.2
4- 1	do	.9	8-26	do	.1
5- 1	do	.5	9-20	do	.2
6-19	do	.2			
SQUAW CREEK					
Above McDowell's Reservoir—Sec. 12-31-52 W.					
10- 8	K. S. Essex	0.0	7-16	K. S. Essex	0.0
3-13	do	2.2	8- 2	do	.0
4- 5	do	.1	8-26	do	.0
6-19	do	.1	9-22	do	.0
SQUAW CREEK					
Below McDowell's Reservoir—Sec. 1-31-52 W.					
10- 8	K. S. Essex	0.2	7-16	K. S. Essex	0.1
3-13	do	.4	8- 2	do	.1
4- 5	do	.2	8-26	do	.1
6-19	do	.2	9-22	do	.1
STINKING WATER CREEK					
Palisade—Sec. 25-5-34 W.					
10-19	K. S. Essex	18.8	5- 9	Essex-Gerlach	36.3
11-30	do	17.5	6- 7	K. S. Essex	19.0
1-13	do	39.7	6-28	do	78.2
2- 8	do	16.5	7-21	do	12.2
3- 1	do	41.0	8-15	do	14.2
3-22	do	44.7	9-16	do	9.7
4-20	Essex-Dodd	47.7			
STREVER CREEK					
South of Josselyn—Sec. 20-9-20 W.					
8-14	Fred Hervert	7.2	8-29	Fred Hervert	0.9
8-16	do	5.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
STREVER CREEK					
Below Outlet of Berquist and Beatty Laterals—Sec. 21-9-20 W.					
8-14	Hervert-Dolittle	23.0	8-29	Fred Hervert	0.8
8-16	Fred Hervert	11.8			
STREVER CREEK					
South of Overton—Sec. 1-8-20 W.					
10- 7	A. W. Hall	9.1	6-26	Fred Hervert	45.8
11- 3	do	12.0	7- 9	do	24.0
1-17	do	6.0	7-21	do	4.0
3- 6	do	8.6	7-27	do	1.8
4- 3	do	14.3	8- 8	A. W. Hall	26.0
5- 7	Fred Hervert	5.7	8-14	Hervert-Dolittle	18.8
5-15	do	4.4	8-29	Fred Hervert	.0
5-31	do	26.6	9-12	do	.0
6-13	do	33.8	9-27	A. W. Hall	.0
TIMBER CREEK					
Belgrade—Sec. 25-17-7 W.					
10-22	R. A. Wahl	0.9	3-19	C. B. Ham	5.5
11-17	C. B. Ham	1.9	4-25	R. A. Wahl	3.7
1-23	R. A. Wahl	1.2	5-12	R. F. Kaser	2.4
2-26	F. D. Reed	3.2	6-15	C. J. Osborne	4.7
TRUNK BUTTE CREEK					
Sec. 25-33-50 W.					
10- 7	K. S. Essex	0.0	8-26	K. S. Essex	0.0
5-20	do	.1	9-22	do	.0
TUB SPRINGS					
Above Enterprise Canal—Sec. 33-23-55 W.					
10-12	H. H. Odell	64.4	7-13	H. H. Odell	34.4
5- 4	do	15.9	7-27	H. P. Eisenhuth	34.6
5-16	do	22.7	8- 9	do	37.9
6- 3	do	47.9	8-23	do	32.0
6-15	do	57.4	9-14	do	36.1
6-26	Odell-Eisenhuth	27.6	9-27	do	33.6
TUB SPRINGS					
Below Enterprise Canal—Sec. 32-23-55 W.					
10-12	H. H. Odell	68.4	7-13	H. H. Odell	1.6
5- 4	do	3.5	7-27	H. P. Eisenhuth	1.2
5-16	do	1.5	8- 9	do	34.4
6- 3	do	41.5	8-23	do	.8
6-15	do	103.3	9-14	do	27.7
6-26	Odell-Eisenhuth	24.0	9-27	do	68.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
TUB SPRINGS Sec. 8-22-55 W.					
10-12	H. H. Odell	68.7	6- 2	H. H. Odell	66.0
11- 3	do	55.6	6-15	do	105.6
12- 3	do	47.8	6-26	Odell-Eisenhuth	28.1
1- 7	do	38.2	7-13	H. H. Odell	5.9
2- 6	do	36.8	7-27	H. P. Eisenhuth	5.0
3- 2	do	32.9	8- 9	do	37.3
4- 4	do	26.3	8-23	do	4.5
4-20	do	25.4	9-14	do	34.0
5- 3	do	16.6	9-27	do	75.3
5-16	do	3.9			
WAHOO CREEK Ashland—Sec. 35-13-9 E.					
10-14	R. A. Wahl	26.7	3-14	C. B. Ham	43.3
11- 9	C. B. Ham	17.9	4-15	R. A. Wahl	18.7
1-14	R. A. Wahl	16.5	5-14	R. F. Kaser	14.8
2-25	F. D. Reed	43.6	6-10	C. J. Osborne	14.5
WARBONNET CREEK Below Warbonnet Canal—Sec. 20-33-56 W.					
10-11	Essex-Rasmussen	0.0	7-15	K. S. Essex	0.5
5- 2	K. S. Essex	.0	8- 8	do	.3
6-20	do	.5			
WHISTLE CREEK Mouth—Sec. 12-28-54 W.					
4- 6	K. S. Essex	0.6			
WHITE CLAY CREEK Crawford—Sec. 2-31-52 W.					
10- 8	K. S. Essex	1.3	7-16	K. S. Essex	0.4
3-13	do	4.2	8- 2	do	.2
4- 5	do	2.9	8-26	do	.2
5-21	Essex-Rasmussen	1.5	9-22	do	.2
6-19	K. S. Essex	1.2			
WHITE CLAY CREEK Above Junction with Larabee Creek—Sec. 6-34-44 W.					
10- 5	K. S. Essex	2.4	6-22	K. S. Essex	5.8
1-27	do	2.2	7-12	do	2.8
4- 4	do	5.3	8- 5	Essex-Rasmussen	2.5
4-28	do	4.1	9-24	K. S. Essex	1.6
5-24	do	14.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
WHITE HORSE CREEK					
Gannett—Sec. 5-13-29 W.					
11- 2	A. W. Hall	9.8	5-18	Fred Hervert	7.8
11-19	do	9.5	5-28	do	17.3
1-17	do	18.3	6-10	do	3.8
2-15	do	10.9	6-24	do	4.9
3- 6	do	16.9	7- 7	do	2.4
4- 5	do	41.6	7-21	A. W. Hall	.6
4-22	do	20.3	8- 9	do	1.7
5- 5	Fred Hervert	13.2	9-13	Fred Hervert	.1
WHITE RIVER					
Crawford—Sec. 9-31-52 W.					
10- 1	Essex-Odell	12.9	5- 1	K. S. Essex	19.4
10- 8	K. S. Essex	15.8	5-26	Essex-Rasmussen	21.0
11- 8	do	23.0	6-19	K. S. Essex	15.4
12-14	do	18.5	7-16	do	10.0
1-30	do	22.9	7-31	Essex-Rasmussen	8.3
2-15	do	19.6	8-31	K. S. Essex	9.1
3-13	do	28.0	9-22	do	9.5
4- 1	do	23.5			
WHITE RIVER					
Above Whitney Diversion—Sec. 26-32-52 W.					
10- 6	K. S. Essex	9.8	5-21	K. S. Essex	1.8
12-14	do	19.1	6-19	do	13.3
1-30	do	21.6	7-13	do	18.4
2-15	do	19.8	7-13	Essex-Rasmussen	10.7
3-13	do	31.5	8- 2	K. S. Essex	12.7
4- 1	do	25.4	8-26	do	4.5
5- 1	do	12.4	9-20	do	4.9
WHITE RIVER					
Below Whitney Diversion—Sec. 26-32-52 W.					
8- 2	K. S. Essex	6.6			
WHITE RIVER					
Below Harris-Cooper Canal—Sec. 26-32-52 W.					
7-31	Essex-Rasmussen	3.0			
WHITE RIVER					
Sec. 19-32-51 W.					
10- 6	K. S. Essex	6.2	6-19	K. S. Essex	3.6
11- 5	do	7.4	7-13	do	28.2
12-14	do	.5	7-31	Essex-Rasmussen	2.5
1-28	do	.5	8- 2	K. S. Essex	7.7
3-13	do	32.9	8-26	do	2.0
4- 1	do	5.2	8-31	do	2.0
5- 1	do	.2	9-20	do	2.8
5-21	do	3.9			

DISCHARGE MEASUREMENTS OF STREAMS—Concluded
Year Ending September 30, 1939

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
WHITE RIVER					
Sec. 17-32-51 W.					
7-31	Essex-Rasmussen	2.8			
WHITE RIVER					
Six Miles West of Chadron—Sec. 18-33-49 W.					
10- 6	K. S. Essex	0.1	5-30	K. S. Essex	11.2
11- 4	do	7.1	6-16	do	21.6
12-15	do	2.3	7-13	do	1.0
2-14	do	11.5	7-31	Essex-Rasmussen	1.5
4- 1	do	20.2	8- 1	K. S. Essex	132.0
4-29	do	9.9	8- 1	do	201.0
5-21	do	5.8	8-25	do	1.0
5-24	do	1290.0	9-20	do	.8
5-25	do	356.0			
WHITE RIVER					
State Highway No. 19—Sec. 26-34-49 W.					
7-31	Essex-Rasmussen	0.6			
WHITE RIVER					
Sec. 9-34-48 W.					
7-31	Essex Rasmussen	2.5			
WHITE TAIL CREEK					
Sec. 36-15-38 W.					
11- 1	A. W. Hall	32.7	5-20	Fred Hervert	26.4
11-15	do	27.9	6- 8	do	22.0
2-13	do	40.9	6-17	do	18.9
4- 7	do	35.7	6-29	do	18.6
4-20	do	38.1	8-19	do	13.5
5- 3	Fred Hervert	27.3	9-16	do	22.6
WHITMANS FORK					
Champion—Sec. 22-6-39 W.					
4-18	Essex-Dodd	2.1			
WINTERS CREEK					
Scottsbluff—Sec. 30-22-54 W.					
10- 5	H. H. Odell	110.0	5- 2	H. H. Odell	40.2
10-19	do	85.5	5-17	do	11.8
11- 4	do	61.9	6- 1	do	13.0
11-15	do	62.3	6-15	do	58.1
12- 1	do	57.1	6-16	do	188.0
12-16	do	61.5	6-26	Odell-Eisenhuth	63.8
1- 5	do	60.6	7-12	H. H. Odell	25.0
1-20	do	58.6	7-20	H. P. Eisenhuth	9.4
2- 4	do	56.7	7-27	do	50.5
2-16	do	55.2	8- 2	do	34.9
3- 3	do	53.4	8-16	do	37.2
3-21	do	48.8	9- 6	do	81.5
4- 3	do	47.0	9-13	Eisenhuth-Hall	84.7
4-20	do	45.8	9-20	H. P. Eisenhuth	60.8

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
AOWA CREEK					
Ponca—East Line of Sec. 21-30-6 E.					
9-19	C. H. Carstens	0.1			
AOWA CREEK					
Ponca—East Line of Sec. 22-20-6 E.					
7-10	C. H. Carstens	7.1	9-19	C. H. Carstens	5.5
APPLEGATE DRAIN					
Sec. 31-13-33 W.					
10-21	Fred Hervert	26.0	4-22	Fred Hervert	49.6
11- 5	do	26.7	5- 8	do	35.3
12-12	do	26.5	5-28	do	37.0
2-22	do	31.6	6-17	do	36.8
3-23	do	36.1	8-15	do	28.2
4- 3	do	40.7	9-11	do	28.6
ARIKAREE RIVER					
Haigler—Sec. 28-1-41 W.					
10- 9	C. B. Ham	9.5	4- 1	K. S. Essex	10.5
10-11	K. S. Essex	7.4	4-12	C. B. Ham	19.1
10-28	C. B. Ham	9.2	5- 3	K. S. Essex	8.0
11- 2	K. S. Essex	7.0	5- 7	C. B. Ham	5.8
11- 7	Glasier-Sawyer	4.0	5-31	K. S. Essex	11.2
11-22	L. J. Glasier	2.8	6-18	C. B. Ham	4.1
12-22	K. S. Essex	2.0	6-29	K. S. Essex	.5
1-20	C. B. Ham	1.2	7- 8	L. J. Glasier	6.3
1-26	K. S. Essex	2.5	7-29	K. S. Essex	2.0
2- 8	C. B. Ham	28.0	8- 6	L. J. Glasier	.5
2-23	K. S. Essex	14.2	8-21	K. S. Essex	.0
3- 4	C. B. Ham	41.1	9- 3	L. J. Glasier	.8
3-14	K. S. Essex	77.9			
ASH CREEK					
Whitney—Sec. 7-32-50 W.					
10-14	K. S. Essex	0.3	5-15	K. S. Essex	3.9
11- 8	do	.7	6-19	do	.5
12-12	do	1.5	7-15	do	.1
2- 6	do	4.0	8-10	do	.5
2-28	do	12.1	9- 5	do	.0
3-21	do	9.1			
ASH CREEK, EAST					
Above Barron Canal—Sec. 32-32-50 W.					
10-14	K. S. Essex	0.5	5-15	K. S. Essex	2.2
11- 8	do	.6	6-19	do	1.0
12-12	do	.8	7-15	do	.2
2- 6	do	1.3	8-10	do	.3
2-28	do	2.7	9- 5	do	.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
ASH CREEK					
Gillard Canal—Sec. 3-16-42 W.					
9-10	Fred Hervert	1.7			
ASH CREEK					
Rittenhouse Pump Site—Sec. 10-16-42 W.					
9-14	Fred Hervert	1.5			
ASH CREEK					
Above Tierney Pump—Sec. 7-14-20 W.					
9- 6	C. H. Carstens	0.2			
ASH CREEK					
Mariaville—West Line of Sec. 4-32-17 W.					
6- 2	C. H. Carstens	6.3			
ASH CREEK					
Pauline—Sec. 9-5-9 W.					
6-12	C. H. Carstens	0.4			
AUGER CREEK					
Elba—Sec. 4-15-11 W.					
5-10	C. H. Carstens	0.0	8-19	C. H. Carstens	0.1
7- 2	do	.1			
BADGER BRANCH					
Tecumseh—East Line of Sec. 32-5-11 E.					
5-17	C. H. Carstens	0.1			
BALD DRAIN					
Sec. 32-23-56 W.					
10-13	H. P. Eisenhuth	2.0	5- 2	H. P. Eisenhuth	2.2
10-26	do	1.1	5-15	do	1.1
11- 2	do	1.1	6- 5	do	11.1
11-16	do	2.9	6-20	do	3.1
12- 8	do	4.2	7- 3	do	2.6
1-11	do	1.6	7-18	do	2.8
2- 2	do	1.3	8- 7	do	1.0
3- 2	do	1.3	8-21	do	.9
3-16	do	2.0	9- 5	do	.8
4- 3	do	1.8	9-19	do	.6
4-17	do	3.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
BAYARD SUGAR FACTORY DRAIN					
West Line of Sec. 4-20-52 W.					
10- 3	H. P. Eisenhuth	47.6	1-18	H. P. Eisenhuth	31.4
10-20	do	48.5	5- 1	do	32.0
11- 1	do	46.8	5-14	do	7.6
11-15	do	41.3	5-21	do	2.9
12- 1	do	42.7	6- 4	do	24.1
12-21	Fred Hervert	37.3	6-17	do	2.2
1- 9	H. P. Eisenhuth	36.9	7- 1	do	26.0
1-27	do	32.8	7-10	do	1.3
2- 6	do	41.2	7-16	do	.4
2-20	do	33.2	7-29	do	26.0
3- 5	do	32.9	8-13	do	18.8
3-14	do	38.0	8-22	do	4.2
3-25	do	30.3	9- 3	do	12.1
4- 1	do	28.5	9-17	do	6.6
BAZILLE CREEK					
Niobrara—Sec. 18-32-5 W.					
7-11	C. H. Carstens	7.8	9-19	C. H. Carstens	4.3
8-10	do	5.1			
BEAN CREEK					
Elyria—Sec. 10-20-15 W.					
5-10	C. H. Carstens	0.4	7- 2	C. H. Carstens	0.1
BEAR CREEK					
Eli—Sec. 25-34-36 W.					
10-17	K. S. Essex	1.8	4-20	K. S. Essex	6.6
11-10	do	1.8	5-17	do	7.7
12-14	do	2.4	6-17	do	.5
2- 7	do	5.0	7-11	do	.1
2-29	do	13.9	8-14	do	.2
3-27	do	8.3	9- 4	do	.5
BEAR CREEK					
Beatrice—Sec. 36-4-6 E.					
5-15	C. H. Carstens	0.3	7-18	C. H. Carstens	0.1
6-19	do	.0			
BEAVER CREEK					
Beaver City—Sec. 23-2-23 W.					
10-11	C. B. Ham	0.1	6-17	C. B. Ham	16.9
11- 8	Glasier-Sawyer	.1	7- 9	L. J. Clasier	.5
1-17	C. B. Ham	.7	7-28	do	421.0
2-10	do	.5	7-29	do	282.0
3- 6	do	.6	7-29	do	354.0
4-11	do	.4	8- 5	do	23.6
5- 8	do	.4	9- 4	do	.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
BEAVER CREEK					
Dustin—Sec. 8-33-15 W.					
6- 3	C. H. Carstens	1.7	9-18	C. H. Carstens	0.9
BEAVER CREEK					
Albion—Sec. 15-20-6 W.					
5- 8	C. H. Carstens	48.8	8- 1	C. H. Carstens	34.2
7- 5	do	30.5	8-31	do	22.2
BEAVER CREEK					
Genoa—Sec. 14-17-4 W.					
4-25	C. H. Carstens	96.8	7- 8	C. H. Carstens	63.1
5- 6	do	59.1	7-26	do	40.8
5-23	do	63.3	8-31	do	36.6
6- 7	do	590.1			
BEAVER CREEK					
Beaver Crossing—West Line of Sec. 32-10-1 E.					
5-14	C. H. Carstens	2.3	8- 8	C. H. Carstens	3.3
6-17	do	1.5	8-28	do	2.0
7-15	do	1.6	9-21	do	2.8
BEEMAN CREEK					
Riverview—Sec. 23-32-20 W.					
6- 1	C. H. Carstens	0.4	9-17	C. H. Carstens	0.1
BELL CREEK					
Arlington—West Line of Sec. 7-17-10 E.					
5-25	C. H. Carstens	0.0	9-20	C. H. Carstens	0.0
BILLS CREEK					
Blue Springs—Sec. 17-2-7 E.					
5-15	C. H. Carstens	0.0	6-19	C. H. Carstens	0.0
BIRDWOOD CREEK					
Hershey—Sec. 2-14-33 W.					
10- 8	Fred Hervert	145.0	5-24	Fred Hervert	134.0
10-21	do	140.0	6- 5	do	206.0
11- 5	do	153.0	6-16	do	120.0
11-28	do	158.0	6-25	do	137.0
12-12	do	160.0	7- 2	do	112.0
1-31	do	217.0	7-18	do	91.2
2-22	do	162.0	8- 1	do	88.5
3- 5	do	174.0	8-13	do	102.0
3-19	do	154.0	8-22	do	102.0
4- 3	do	150.0	8-29	do	114.0
4-22	do	166.0	9-11	do	114.0
5- 7	do	121.0	9-19	do	114.0
5-15	do	110.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
BLOODY RUN CREEK					
Sweetwater—South Line of Sec. 36-13-15 W.					
5-28	C. H. Carstens	0.0			
BLUE CREEK					
Lewellen—Sec. 30-16-42 W.					
10-12	Fred Hervert	16.8	4-24	Fred Hervert	87.6
10-22	do	30.0	5-10	do	22.4
11- 6	do	53.1	5-18	do	17.6
11-17	do	92.5	5-22	do	8.1
12-16	do	85.6	6-12	do	6.6
1-10	do	111.0	6-19	do	20.1
1-29	do	109.0	6-26	do	61.6
2- 8	do	117.0	8-15	do	13.1
2-16	do	106.0	8-20	do	58.6
3- 4	do	104.0	8-28	do	84.7
3-16	do	97.8	9-10	do	83.4
3-30	do	96.1	9-18	do	59.6
BLUE RIVER, BIG					
Barnston—Sec. 13-1-7 E.					
10-18	C. B. Ham	8.2	6-12	C. B. Ham	215.0
11-13	L. J. Glasier	12.1	6-21	C. H. Carstens	1420.0
1-15	C. B. Ham	217.0	7-18	L. J. Glasier	19.0
2-13	do	222.0	8- 6	C. H. Carstens	1090.0
3-14	do	314.0	8-15	L. J. Glasier	222.0
4-23	do	190.0	9-17	do	168.0
5-13	Ham-Carstens	223.0			
BLUE RIVER, BIG, WEST FORK					
Beaver Crossing—West Line of Sec. 32-10-1 E.					
5-14	C. H. Carstens	51.2	8- 8	C. H. Carstens	25.8
6-17		44.4	8-28	do	27.0
7-15	do	33.8	9-21	do	32.5
BLUE RIVER, BIG					
Seward—North Line of Sec. 17-11-3 E.					
5-14	C. H. Carstens	5.6			
BLUE RIVER, BIG					
Seward—Sec. 21-11-3 E.					
6-17	C. H. Carstens	18.5	8-28	C. H. Carstens	4.0
7-15	do	3.0	9-21	do	9.3
8- 8	do	16.5			
BLUE RIVER, LITTLE					
Below Oak Mill Dam—East Line of Sec. 16-3-5 W.					
7-19	C. H. Carstens	1.8	8-23	C. H. Carstens	16.8
8- 5	do	28.0	9-23	do	.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
BLUE RIVER, LITTLE					
Powell—East Line of Sec. 22-3-1 E.					
7-18	C. H. Carstens	56.8	8-23	C. H. Carstens	78.1
8- 5	do	252.8	9-23	do	55.8
BLUE RIVER, LITTLE					
Endicott—Sec. 5-1-3 E.					
10-18	C. B. Ham	80.2	5-13	Ham-Carstens	112.0
11-13	L. J. Glasier	115.0	6-11	C. B. Ham	165.0
1-15	C. B. Ham	93.0	7-16	L. J. Glasier	77.9
2-13	do	122.0	8- 5	C. H. Carstens	388.0
3-14	do	128.0	8-15	L. J. Glasier	124.0
4-23	do	133.0	9-17	do	52.0
BOGGY CREEK					
Below Wickersham Diversion Dam—Sec. 31-33-54 W.					
10-15	K. S. Essex	0.1	7-13	Essex-Rasmussen	0.0
5-21	do	.5			
BORDEAUX CREEK, BIG					
Below O'Donnell Canal—Sec. 9-34-48 W.					
6-19	K. S. Essex	1.4			
BORDEAUX CREEK, BIG					
Chadron—Sec. 14-33-48 W.					
10-13	K. S. Essex	1.9	4-25	K. S. Essex	5.7
12-11	do	3.5	5-14	do	2.6
2- 5	do	1.5	6-19	do	2.3
2-26	do	6.2	7-12	do	.7
3-21	do	3.1	9- 8	do	.7
BORDEAUX CREEK, BIG					
Below Thomas Canal—Sec. 34-34-48 W.					
10-13	K. S. Essex	2.9	5-14	K. S. Essex	6.2
12-11	do	4.0	6-19	do	3.1
2- 5	do	3.8	7-12	do	1.2
3-21	do	7.6	9- 8	do	.6
BORDEAUX CREEK, LITTLE					
Below Hartzell Canal—Sec. 13-33-48 W.					
10-13	K. S. Essex	0.8	4-25	K. S. Essex	9.2
11- 6	do	1.4	5-14	do	3.2
12-11	do	3.0	6-19	do	1.2
2- 5	do	2.3	7-12	do	1.1
2-26	do	10.1	9- 8	do	.2
3-21	do	3.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
BOTTLE CREEK					
Near Beatrice—Sec. 25-4-5 E.					
7-18	C. H. Carstens	0.0			
BOW CREEK					
Wynot—Sec. 11-32-2 E.					
7-10	C. H. Carstens	14.4	9-19	C. H. Carstens	4.9
BOW VALLEY CREEK					
Wynot—South Line of Sec. 16-32-2 E.					
7-10	C. H. Carstens	0.6	9-19	C. H. Carstens	0.0
BRAWNERS CREEK					
Fairbury—Sec. 23-2-2 E.					
7-18	C. H. Carstens	0.1			
BROWN CREEK					
Loup City—East Line of Sec. 25-15-15 W.					
8-16	C. H. Carstens	0.1			
BRUSH CREEK					
Holt County—Sec. 23-33-13 W.					
6- 3	C. H. Carstens	11.1	9-18	C. H. Carstens	6.6
BUFFALO CREEK					
Jenkins' Ranch—Sec. 20-1-40 W.					
10-11	K. S. Essex	6.4	4- 1	K. S. Essex	10.1
11- 2	do	7.5	5- 3	do	8.7
12-22	do	4.4	6-29	do	1.9
2-23	do	9.5	7-29	do	3.7
3-14	do	11.1	8-21	do	.6
BUFFALO CREEK					
Elm Creek—Sec. 33-9-18 W.					
10-31	Fred Hervert	3.1	6- 3	Fred Hervert	1.7
12-10	do	3.5	6-13	do	38.7
2-26	do	3.8	6-23	do	2.6
3- 9	do	7.7	7- 4	do	.2
3-22	do	4.5	7-11	do	37.6
4- 6	do	26.9	7-13	do	222.1
4-18	do	34.7	7-17	do	2.7
5- 5	do	31.8	7-25	do	.2
5-17	do	12.4	8-23	do	.0
5-27	do	20.5	9- 1	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
BULL DRAIN					
Maxwell---Sec. 19-13-28 W.					
11- 3	Fred Hervert	0.8	5-25	Fred Hervert	0.7
12-11	do	1.5	6-24	do	.3
2-24	do	2.6	7- 3	do	.3
3-23	do	1.6	9- 1	do	.2
4- 4	do	2.2	9-20	do	.7
4-21	do	1.5			
BUTTERFLY CREEK					
Stanton---North Line of Sec. 5-22-2 E.					
5-24	C. H. Carstens	0.0	9-20	C. H. Carstens	0.0
7- 9	do	.0			
CACHE CREEK					
Ewing---Sec. 13-26-9 W.					
7-11	C. H. Carstens	0.5	8-30	C. H. Carstens	0.7
CALAMUS RIVER					
Harrop---Sec. 22-23-18 W.					
5- 9	C. H. Carstens	159.3	8-16	C. H. Carstens	155.0
6- 1	do	158.7	9- 9	do	160.0
7- 4	do	152.0	9-16	do	159.0
7-25	do	139.0			
CALAMUS RIVER					
Burwell---East Line of Sec. 8-21-16 W.					
5- 9	C. H. Carstens	235.0	7-25	C. H. Carstens	202.0
6- 1	do	228.0	8-16	do	219.0
7- 4	do	208.0	9- 9	do	239.0
CASTLE ROCK SEEP					
Melbeta---Sec. 20-21-53 W.					
10-12	H. P. Eisenhuth	0.8	5- 3	H. P. Eisenhuth	0.5
10-30	do	.4	5-17	do	.6
11- 4	do	.5	6- 8	do	1.1
11-25	do	.5	6-21	do	.9
12- 9	do	.7	7- 5	do	.5
1-13	do	.4	7-19	do	.5
2- 3	do	.7	8- 3	do	.4
3- 4	do	.4	8-16	do	.7
3-15	do	.5	9- 6	do	1.1
4- 2	do	.5	9-26	do	1.8
4-17	do	.8			
CEDAR CREEK					
Above Valdez Canal---Sec. 10-32-56 W.					
6-22	K. S. Essex	0.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
CEDAR CREEK					
Sec. 11-18-48 W.					
10-10	Fred Hervert	11.4	3-15	Fred Hervert	13.2
10-23	do	11.6	4-15	do	12.3
11- 7	do	12.3	5-19	A. W. Hall	1.3
12- 1	do	12.0	6-23	Fred Hervert	6.0
1- 2	do	14.0	9- 9	do	2.4
2-15	do	12.6	9-23	do	3.7
CEDAR CREEK					
Elba—South Line of Sec. 8-15-10 W.					
5-10	C. H. Carstens	0.0	8-19	C. H. Carstens	0.0
7- 2	do	.0			
CEDAR CREEK					
Below Oakdale Mill Dam—East Line of Sec. 11-24-6 W.					
8-10	C. H. Carstens	10.9	8-30	C. H. Carstens	0.5
CEDAR CREEK					
Rockford—South Line of Sec. 34-4-7 E.					
7-18	C. H. Carstens	0.0			
CEDAR CREEK					
Holmesville—Sec. 8-3-7 E.					
5-15	C. H. Carstens	0.0	6-19	C. H. Carstens	0.0
CEDAR BRANCH CREEK					
Nevins—Sec. 17-14-35 W.					
3-31	Fred Hervert	1.9	8-21	Fred Hervert	1.8
6-18	do	2.1	9-11	do	1.8
CEDAR RIVER					
Ericson—South Line of Sec. 15-21-12 W.					
5- 9	C. H. Carstens	66.9	8- 1	C. H. Carstens	70.4
7- 4	do	58.9	8-31	do	60.8
CEDAR RIVER					
Below Spalding Mill Dam—Sec. 28-20-9					
5- 8	C. H. Carstens	39.6	8- 1	C. H. Carstens	71.3
7-11	do	38.3	8-31	do	10.4
CEDAR RIVER					
Below Van Ackeren Power Plant at Cedar Rapids—Sec. 5-18-7 W.					
4-26	C. H. Carstens	156.0	8- 1	C. H. Carstens	199.0
5- 7	do	477.0	8-31	do	49.1
7- 5	do	156.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
CEDAR RIVER					
Fullerton—Sec. 33-17-6 W.					
5- 8	C. H. Carstens	396.0	7- 5	C. H. Carstens	122.0
5-23	do	145.0	8- 1	do	130.0
6- 7	do	796.0	8-31	do	92.0
CHADRON CREEK					
Station 36 of Pipe Line—Sec. 12-32-49 W.					
11- 6	K. S. Essex	0.2	4-25	K. S. Essex	0.6
12-11	do	.4	5-14	do	1.3
1-16	do	.5	6-20	do	.0
2- 5	do	.5	7-12	do	.0
2-26	do	2.8	8- 9	do	.0
3-20	do	.4			
CHADRON CREEK					
One-half Mile above City Reservoir—Sec. 19-32 48 W.					
11- 6	K. S. Essex	2.4	4-25	K. S. Essex	3.5
12-11	do	2.0	5-14	do	2.8
1-16	do	1.5	6-20	do	2.0
2- 5	do	2.7	7-12	do	1.4
2-26	do	3.0	8- 9	do	.8
3-20	do	3.0			
CHADRON CREEK					
500 Feet below City Reservoir—Sec. 18-32-48 W.					
11- 6	K. S. Essex	1.0	4-25	K. S. Essex	0.2
12-11	do	.1	5-14	do	.3
1-16	do	.1	6-20	do	.2
2- 5	do	.2	7-12	do	.2
2-26	do	.6	8- 9	do	.1
3-20	do	.2			
CHIMNEY CREEK					
Meadville—Sec. 6-32-22 W.					
6- 2	C. H. Carstens	0.1	9-18	C. H. Carstens	0.0
CLATONIA CREEK					
DeWitt—South Line of Sec. 18-5-5 E.					
5-15	C. H. Carstens	0.1			
CLEAR CREEK					
Sec. 32-16-41 W.					
10-22	Fred Hervert	7.2	5-22	Fred Hervert	0.0
11-27	do	6.3	6-19	do	.7
1-10	do	9.5	6-26	do	7.5
2-21	do	2.6	8-15	do	5.1
3-16	do	9.0	8-20	do	7.0
4- 9	do	8.7	8-28	do	7.4
4-24	do	.2	9-10	do	7.4
5- 9	do	.0	9-21	do	.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
CLEAR CREEK					
Westerville—East Line of Sec. 28-17-18 W.					
4-30	C. H. Carstens	0.8	9- 5	C. H. Carstens	0.2
5-29	do	.3	9-16	do	.2
CLEAR CREEK					
Litchfield—Sec. 26-14-16 W.					
4-30	C. H. Carstens	1.3	7-22	C. H. Carstens	0.3
5-28	do	.3	9- 4	do	.0
6-25	do	1.2			1
CLEAR CREEK					
Below Pible Lake—South Line of Sec. 31-21-10 W.					
5- 8	C. H. Carstens	2.2	7- 4	C. H. Carstens	1.6
CLEAR CREEK					
Ashland—West Line of Sec. 36-13-9 E.					
7-16	C. H. Carstens	3.3	8-28	C. H. Carstens	4.2
8- 8	do	3.4	9-21	do	2.8
CLEARWATER CREEK					
Clearwater—Sec. 6-25-7 W.					
7-11	C. H. Carstens	11.1	8-30	C. H. Carstens	11.6
CLEVELAND DRAIN					
Sec. 6-20-52 W.					
10-12	H. P. Eisenhuth	4.9	5-17	H. P. Eisenhuth	3.8
10-30	do	1.6	5-24	do	2.7
11- 4	do	1.2	6-10	do	6.2
11-25	do	.9	6-14	do	5.6
12- 9	do	.9	6-24	do	10.7
1-13	do	.6	7- 5	do	1.4
2- 3	do	.4	7-19	do	6.6
3- 4	do	1.4	8- 3	do	1.0
3-15	do	1.3	8-16	do	1.7
4- 4	do	.9	9- 6	do	3.8
4-17	do	3.9	9-20	do	8.6
5- 3	do	5.2			
COB CREEK					
Loup City—Sec. 23-15-15 W.					
8-16	C. H. Carstens	0.1			
COLD WATER CREEK					
Sec. 34-18-46 W.					
10-10	Fred Hervert	0.3	4-15	Fred Hervert	0.2
11- 7	do	2.1	6- 6	A. W. Hal	4.5
2-21	do	.3	6-28	Fred Hervert	2.5
3-15	do	.2	9- 9	do	1.1
3-29	do	.1	9-30	do	7.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
COLEMAN CREEK					
Norden—Sec. 16-33-24 W.					
6-2	C. H. Carstens	0.3	9-18	C. H. Carstens	0.2
CONTRARY CREEK					
Salem—Sec. 15-1-15 E.					
5-16	C. H. Carstens	0.1	6-19	C. H. Carstens	0.1
COON CREEK					
Carns—Sec. 24-32-19 W.					
6-2	C. H. Carstens	2.3	9-17	C. H. Carstens	2.6
COTTONWOOD CREEK					
Dunlap—Sec. 27-29-48 W.					
10-16	K. S. Essex	0.0	3-20	K. S. Essex	1.5
11-6	do	3.5	4-25	do	.7
12-11	do	.8	5-16	do	.2
1-16	do	1.5	6-20	do	.3
2-5	do	2.0	7-16	do	.0
3-2	do	1.2	8-9	do	.0
COTTONWOOD CREEK					
Callaway—North Line of Sec. 12-15-23 W.					
5-28	C. H. Carstens	0.1			
COTTONWOOD CREEK					
Wahoo—South Line of Sec. 4-14-7 E.					
7-16	C. H. Carstens	0.2			
COTTONWOOD CREEK, BIG					
Sec. 22-33-50 W.					
10-14	K. S. Essex	0.3	3-19	K. S. Essex	7.0
11-8	do	.5	4-24	do	2.4
12-12	do	.1	5-15	do	1.1
1-17	do	.2	7-15	do	1.1
2-6	do	.5	8-10	do	.8
2-27	do	1.0	9-5	do	.0
COTTONWOOD CREEK, LITTLE					
Sec. 8-32-52 W.					
10-14	K. S. Essex	0.0	6-18	K. S. Essex	0.0
11-8	do	.1	7-15	do	.1
12-12	do	.2	8-10	do	.0
2-6	do	1.0	9-5	do	.0
3-19	do	.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
COTTONWOOD CREEK, LITTLE					
South of Whitney Pipe Line Outlet—Sec. 8-32-51 W.					
10-14	K. S. Essex	0.1	4-24	K. S. Essex	3.5
11- 8	do	.1	5-15	do	.3
12-12	do	.1	6-18	do	.0
1-17	do	.2	7-15	do	.0
2- 6	do	.2	8-10	do	.0
2-27	do	24.1	9- 5	do	.0
3-19	do	2.6			
COUNCIL CREEK					
Nance County—Sec. 36-17-5 W.					
5- 6	C. H. Carstens	0.0	5-23	C. H. Carstens	0.0
CROOKED CREEK					
Pauline—North Line of Sec. 24-5-9 W.					
6-22	C. H. Carstens	0.0			
CUB CREEK					
Meadville—Sec. 3-32-22 W.					
6- 2	C. H. Carstens	1.2	9-17	C. H. Carstens	0.0
CUB CREEK					
Hoag—West Line of Sec. 24-4-5 E.					
5-15	C. H. Carstens	0.1	7-18	C. H. Carstens	0.1
CUMING CREEK					
Scribner—North Line of Sec. 32-20-7 E.					
5-25	C. H. Carstens	0.0	9-20	C. H. Carstens	0.0
7- 8	do	.1			
DANE CREEK					
Ord—East Line of Sec. 20-19-14 W.					
5-10	C. H. Carstens	0.3	8-19	C. H. Carstens	0.1
7-25	do	.1			
DAVIS CREEK					
Greeley County—Sec. 33-17-12 W.					
7-12	Dodd-Carstens	0.1	7-20	Dodd-Carstens	0.0
7-12	do	.3			
DAVIS CREEK					
Cotesfield—Sec. 34-17-12 W.					
5-10	C. H. Carstens	0.1			
DAVIS CREEK					
NW $\frac{1}{4}$ Sec. 7-16-12 W.					
7-12	Dodd-Carstens	0.5	7-20	Dodd-Carstens	0.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
DAVIS CREEK					
NE $\frac{1}{4}$ Sec. 7-16-12 W.					
7-12	Dodd-Carstens	0.2	7-20	Dodd-Carstens	0.1
DAWSON COUNTY DRAIN					
Darr—Sec. 25-10-23 W.					
10- 5	Fred Hervert	0.1	5- 1	Fred Hervert	3.8
10-31	do	2.1	5-26	do	4.8
12-11	do	6.3	6- 3	do	3.6
2-26	do	3.6	6-14	do	3.5
3-22	do	3.5	6-23	do	2.3
4- 6	do	4.6	7- 6	do	1.5
4-19	do	3.8	8-23	do	.5
DEAD HORSE CREEK					
Sec. 32-33-49 W.					
10-14	K. S. Essex	0.2	6-19	K. S. Essex	0.5
12-12	do	1.4	7-16	do	.1
5-15	do	2.1			
DEER CREEK					
Boelus—North Line of Sec. 27-13-12 W.					
4-29	C. H. Carstens	0.2	5-27	C. H. Carstens	0.2
DEER CREEK					
Maskell—Sec. 33-32-4 E.					
7-10	C. H. Carstens	0.0			
DeGRAW DRAIN					
Sec. 24-20-51 W.					
10-10	H. P. Eisenhuth	6.9	5- 1	H. P. Eisenhuth	5.0
10-24	do	5.1	5-13	do	1.7
11- 7	do	5.1	6- 3	do	1.2
11-29	do	5.6	6-17	do	.8
12-11	do	5.0	6-24	do	.9
1- 9	do	3.2	7- 1	do	.9
2- 7	do	6.2	7-16	do	.8
3- 6	do	6.6	7-29	do	.8
3-18	do	4.9	8-13	do	.7
4- 1	do	2.8	8-26	do	.5
4-18	do	5.5	9-10	do	1.4
DISMAL RIVER					
Dunning—Sec. 4-21-24 W.					
5- 2	C. H. Carstens	341.6	7-21	C. H. Carstens	302.0
5-30	do	298.0	8-15	do	299.0
7- 3	do	335.0	9- 8	do	312.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
DRINGMAN DRAIN					
Sec. 32-13-33 W.					
10-22	Fred Hervert	6.2	4-22	Fred Hervert	8.7
11- 5	do	6.4	5- 8	do	8.4
12-12	do	6.1	5-28	do	8.6
2-22	do	6.7	6-17	do	7.1
3-23	do	7.4	8-14	do	7.0
4- 3	do	8.2	9-11	do	6.3
DRY CREEK					
Merriman—Sec. 20-34-37 W.					
11-10	K. S. Essex	0.0	5-17	K. S. Essex	0.1
12-14	do	.0	6-17	do	.0
2- 9	do	.0	7-11	do	.0
2-29	do	.0	8-14	do	.0
4-20	do	8.0	9- 4	do	.0
DRY CREEK					
Valley View—South Line of Sec. 14-22-17 W.					
6- 1	C. H. Carstens	0.0	7- 4	C. H. Carstens	0.0
DRY CREEK					
Ravenna—South Line of Sec. 32-13-14 W.					
5-28	C. H. Carstens	0.0			
DRY CREEK					
Deweese—East Line of Sec. 31-5-7 W.					
6-22	C. H. Carstens	0.0			
DRY CREEK					
Hebron—South Line of Sec. 15-2-2 W.					
6-21	C. H. Carstens	0.0			
DUGOUT CREEK, LOWER					
Sec. 20-19-48 W.					
5-19	A. W. Hall	0.0			
DUGOUT CREEK, UPPER					
Sec. 20-20-50 W.					
10-10	H. P. Eisenhuth	7.3	5-13	H. P. Eisenhuth	0.3
10-24	do	7.8	6- 3	do	.4
11- 7	do	5.0	6-17	do	.4
11-29	do	4.7	6-24	do	.6
12-11	do	3.9	7- 1	do	.4
1- 9	do	2.7	7-16	do	.4
2- 7	do	2.9	7-29	do	.2
3- 6	do	1.5	8-13	do	.6
3-18	do	1.0	8-26	do	.4
4- 1	do	.6	9-10	do	.5
4-18	do	.6	9-24	do	2.0
5- 1	do	.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
EAGLE CREEK					
Paddock—South Line of Sec. 2-32-11 W.					
6- 3	C. H. Carstens	23.2	9-18	C. H. Carstens	12.4
EASLY CREEK					
South Line of Sec. 8-1-14 E.					
5-16	C. H. Carstens	0.7	6-19	C. H. Carstens	0.2
ELK CREEK					
Riverview—Sec. 31-32-19 W.					
6- 2	C. H. Carstens	1.1	9-17	C. H. Carstens	0.8
ELK CREEK					
Oak—East Line of Sec. 12-3-6 W.					
6-22	C. H. Carstens	0.0			
ELK CREEK					
Jackson—Sec. 36-29-7 E.					
7-10	C. H. Carstens	0.8	9-19	C. H. Carstens	0.9
ELKHORN RIVER					
Ewing—West Line of Sec. 35-27-9 W.					
7-11	C. H. Carstens	14.6	8-30	C. H. Carstens	6.4
8-10	do	6.7			
ELKHORN RIVER, SOUTH FORK					
Ewing—Sec. 2-26-9 W.					
7-11	C. H. Carstens	14.6	8-30	C. H. Carstens	12.8
8-10	do	13.6			
ELKHORN RIVER					
Neligh—Sec. 20-25-6 W.					
10-19	C. B. Ham	77.8	5-21	C. B. Ham	133.0
11-15	L. J. Glasier	94.8	6- 4	C. H. Carstens	188.0
1-27	C. B. Ham	61.2	6-25	C. B. Ham	106.0
2-16	do	107.0	7-23	L. J. Glasier	35.7
3-21	do	264.0	8-23	do	30.5
4-29	do	314.0	9-23	do	40.1
ELKHORN RIVER, NORTH FORK					
Hadar—South Line of Sec. 28-25-1 W.					
5-24	C. H. Carstens	37.0	8-30	C. H. Carstens	32.7
7- 9	do	29.7	9-20	do	27.1
8- 9	do	32.4			
ELKHORN RIVER					
Norfolk—West Line of Sec. 3-23-1 W.					
5-23	C. H. Carstens	216.0	8-29	C. H. Carstens	90.1
7- 9	do	142.0	9-20	do	69.9
8- 9	do	108.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
------	--------------	-----------------------	------	--------------	-----------------------

ELKHORN RIVER
 West Point—Sec. 33-22-6 E.

5-24	C. H. Carstens	297.0	8-29	C. H. Carstens	217.0
7- 9	do	292.0	9-20	do	111.0
8- 9	do	207.0			

ELKHORN RIVER
 Waterloo—Sec. 21-16-10 E.

10-13	C. B. Ham	143.0	6- 7	C. B. Ham	22880.0
11-11	Glasier-Sawyer	234.0	6- 9	do	17000.0
11-20	L. J. Glasier	253.0	6-10	do	7310.0
1- 4	C. B. Ham	158.0	7-12	L. J. Glasier	444.0
2- 2	do	195.0	7-31	do	460.0
2-29	do	313.0	8-24	do	303.0
3-25	do	629.0	8-27	do	1470.0
4-26	do	670.0	8-27	do	1550.0
5-16	do	960.0	9-20	do	195.0
6- 5	do	10380.0	9-20	do	208.0
6- 6	do	21830.0			

ELM CREEK
 Elm Creek—Sec. 33-9-18 W.

10-31	Fred Hervert	0.0	7- 6	Fred Hervert	3.6
12-10	do	18.7	7-10	do	7.4
1-16	do	.0	7-11	do	322.1
3- 9	do	2.0	7-13	do	9.3
3-22	do	.6	7-17	do	.9
4- 6	do	.3	7-25	do	.1
4-18	do	15.1	7-30	do	17.9
5- 5	do	15.0	8- 2	do	16.4
5-17	do	.2	8- 5	do	23.5
6- 3	do	.6	8-11	do	.1
6-13	do	16.9	8-23	do	.0
6-23	do	.0	9- 1	do	.0
7- 4	do	.0			

ELM CREEK
 Ord—Sec. 24-19-14 W.

5-10	C. H. Carstens	0.1
------	----------------	-----

ELM CREEK
 Endicott—North Line of Sec. 4-1-3 E.

6-21	C. H. Carstens	0.1
------	----------------	-----

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
FAIRFIELD SEEP					
Sec. 18-21-53 W.					
10- 4	H. P. Eisenhuth	0.9	5- 1	H. P. Eisenhuth	2.6
10-25	do	.1	5-21	do	2.0
11- 1	do	.0	6- 4	do	1.0
11-15	do	.0	6-19	do	.1
12- 1	do	.0	7- 2	do	.4
1-10	do	.2	7-17	do	.4
2- 6	do	.1	8- 6	do	.7
3- 4	do	1.0	8-20	do	1.5
3-15	do	.6	9- 4	do	.7
4- 2	do	.1	9-18	do	.7
4-15	do	.3			
FANNING SEEP					
One-half Mile North of Mitchell Bridge—Sec. 28-23-56 W.					
10-13	H. P. Eisenhuth	4.7	5- 2	H. P. Eisenhuth	2.2
10-26	do	3.8	5-15	do	.9
11- 2	do	4.1	5-23	do	1.9
11-16	do	4.2	6- 5	do	2.3
12- 4	do	2.8	6-20	do	2.2
1-11	do	3.0	7- 3	do	3.1
2- 2	do	1.6	7-18	do	1.9
3- 2	do	2.6	8- 7	do	1.2
3-16	do	2.9	8-21	do	1.7
4- 3	do	2.4	9- 5	do	2.5
4-17	do	5.9	9-19	do	3.5
FISH CREEK					
Cotesfield—Sec. 7-16-11 W.					
5-10	C. H. Carstens	0.0	7- 2	C. H. Carstens	0.0
FISHER CREEK					
West Point—East Line of Sec. 8-21-6 E.					
5-25	C. H. Carstens	0.3	9-20	C. H. Carstens	0.1
FOURMILE CREEK					
East Line of Sec. 11-1-13 E.					
5-16	C. H. Carstens	0.2	6-19	C. H. Carstens	0.1
FRANKLIN DRAIN					
Sec. 4-20-52 W.					
5-21	H. P. Eisenhuth	0.8			
FREMONT SLOUGH					
North Platte—Sec. 16-13-30 W.					
11-29	Fred Hervert	1.1	6-16	Fred Hervert	6.1
3-23	do	11.0	6-25	do	.5
4- 4	do	9.5	7-23	do	.4
4-21	do	7.8	8-30	do	.2
5- 7	do	2.9	9-12	do	.5
5-24	do	1.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
FRENCHMAN RIVER					
Above Maranville Reservoir—Sec. 10-6-41 W.					
10-10	K. S. Essex	4.7	4- 2	K. S. Essex	5.7
10-30	do	3.6	4-30	do	4.6
11-21	do	4.7	5-28	do	3.6
12-19	do	3.6	6-26	do	4.2
2-19	do	4.1	8-19	do	6.6
FRENCHMAN RIVER					
Below Maranville Reservoir—Sec. 11-6-41 W.					
10-10	K. S. Essex	1.0	2-19	K. S. Essex	2.6
10-30	do	.1	4- 2	do	3.2
11-21	do	.2	4-30	do	.1
12-19	do	.6	5-28	do	.1
1-22	do	3.0			
FRENCHMAN RIVER					
Below Inman Canal—Sec. 17-6-40 W.					
10-10	K. S. Essex	14.2	3-12	K. S. Essex	20.7
10-30	do	13.1	4- 2	do	18.4
11-21	do	15.3	4-30	do	7.9
12-19	do	16.0	5-28	do	10.9
1-22	do	19.5	6-26	do	20.8
2-19	do	20.2	8-19	do	16.3
FRENCHMAN RIVER					
Above Champion Canal Diversion Dam—Sec. 22-6-40 W.					
10-10	K. S. Essex	18.8	3-12	K. S. Essex	24.4
10-30	do	19.9	4- 2	do	22.7
11-21	do	18.9	4-30	do	13.8
12-19	do	19.9	5-28	do	16.9
1-22	do	23.2	7-30	do	16.4
2-19	do	24.4			
FRENCHMAN RIVER					
Below Champion Canal Diversion Dam—West Line of Sec. 23-6-40 W.					
10-10	K. S. Essex	11.6	3-12	K. S. Essex	11.8
10-30	do	7.8	4- 2	do	5.1
11-21	do	4.0	4-30	do	1.1
12-19	do	3.9	5-28	do	27.2
1-22	do	11.2	6-26	do	28.1
2-19	do	27.5	8-20	do	.5
FRENCHMAN RIVER					
Above Champion—Sec. 19-6-39 W.					
10-10	K. S. Essex	22.4	2-19	K. S. Essex	37.9
10-30	do	17.7	3-12	do	26.1
11-21	do	16.5	4- 2	do	17.0
12-19	do	14.4	4-30	do	12.7
1-23	do	23.2	5-28	do	27.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
FRENCHMAN RIVER					
Below Champion—SW $\frac{1}{4}$ Sec. 22-6-39 W.					
10-10	K. S. Essex	27.9	4- 2	K. S. Essex	42.5
10-31	do	24.3	4-30	do	28.1
11-21	do	34.6	5-28	do	41.0
12-19	do	36.7	6-11	do	88.4
1-23	do	30.2	6-26	do	59.2
2-20	do	39.7	7-30	do	24.4
3-12	do	40.4	8-20	do	41.6
FRENCHMAN RIVER					
Harvey Dam Site—Sec. 3-5-38 W.					
11-21	K. S. Essex	40.2	5-28	K. S. Essex	32.5
12-19	do	54.1	6-26	do	60.2
4- 2	do	66.3	7-30	do	34.5
4-30	do	65.9	8-21	do	37.1
FRENCHMAN RIVER					
Hamlet—Sec. 29-5-34 W.					
10-10	K. S. Essex	73.7	5-28	K. S. Essex	94.0
10-31	do	81.2	6- 8	do	2050.0
11-22	do	70.1	6- 9	do	1510.0
12-20	do	81.1	6-27	do	120.0
2-20	do	101.0	7-14	L. F. Hanks	97.1
3-12	do	111.0	7-31	K. S. Essex	142.0
4- 3	do	98.4	8-23	Essex-Gerlach	81.7
5- 2	do	82.6	9-21	do	77.7
FRENCHMAN RIVER					
Culbertson—Sec. 17-3-31 W.					
10-10	C. B. Ham	32.5	5- 1	Glasier-Essex	112.0
10-11	K. S. Essex	37.7	5- 7	C. B. Ham	75.8
10-24	C. B. Ham	35.1	5-30	K. S. Essex	54.2
10-31	K. S. Essex	38.8	6- 8	do	1200.0
11- 7	Glasier-Sawyer	35.7	6- 8	do	1463.0
11-23	K. S. Essex	44.2	6- 9	do	2380.0
12-20	do	128.0	6-18	C. B. Ham	183.0
1-19	C. B. Ham	108.0	6-28	K. S. Essex	72.2
1-24	K. S. Essex	101.0	7- 9	L. J. Glasier	47.5
2- 9	C. B. Ham	168.0	7-28	K. S. Essex	90.7
2-20	K. S. Essex	168.0	8- 6	L. J. Glasier	40.4
3- 4	C. B. Ham	247.0	8-23	Essex-Gerlach	46.8
3-13	K. S. Essex	179.0	9- 3	L. J. Glasier	32.4
3-31	Essex-Droskin	161.0	9-29	K. S. Essex	54.5
4-12	C. B. Ham	149.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
GERING DRAIN					
Sec. 6-21-54 W.					
10- 6	H. P. Eisenhuth	28.5	5-17	H. P. Eisenhuth	22.7
10-27	do	29.7	5-28	do	17.4
11- 4	do	31.2	6- 4	do	24.2
11-16	do	33.5	6- 6	do	97.2
12- 4	do	37.0	6-14	do	25.2
12-18	do	32.5	6-21	do	21.1
1-11	do	27.7	7- 3	do	14.5
1-25	do	21.5	7-12	do	8.1
2- 3	do	28.1	7-19	do	14.2
2-20	do	25.4	8- 3	do	6.4
3- 5	do	25.0	8- 9	do	2.4
3-15	do	24.5	8-16	do	1.9
3-26	do	24.8	8-23	do	6.1
4- 2	do	24.3	9- 6	do	7.5
4-17	do	26.1	9-20	do	21.6
5- 3	do	25.2	9-27	do	18.9
GOOLSBY CREEK					
Straussville—South Line of Sec. 9-2-16 E.					
7-18	C. H. Carstens	0.1			
GOOSE CREEK					
Blaine County—Sec. 23-24-24 W.					
5-31	C. H. Carstens	29.9	8-15	C. H. Carstens	12.3
7- 3	do	14.2	9- 8	do	12.1
7-24	do	8.0			
GORDON CREEK					
Below Wolfenden Dam—Sec. 6-29-33 W.					
4-17	K. S. Essex	13.4			
GORDON CREEK					
Sec. 2-29-33 W.					
4-17	K. S. Essex	9.6			
GORDON CREEK					
Above Swansons—Sec. 10-29-31 W.					
4-18	K. S. Essex	0.6			
GORDON CREEK					
Kennedy—Sec. 6-29-30 W.					
4-18	K. S. Essex	1.0			
GORDON CREEK					
Valentine—Sec. 30-33-28 W.					
10-18	K. S. Essex	4.6	5-18	K. S. Essex	6.3
11-11	do	3.3	6-15	do	4.5
12-15	do	3.3	7-10	do	3.7
3- 1	do	6.6	8-15	do	1.9
3-26	do	12.1	9- 3	do	2.0
4-19	do	8.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
GOVERNMENT SPRING					
Below Ft. Robinson Pumping Plant—4-Foot Weir					
12-12	K. S. Essex	1.2	3-19	K. S. Essex	1.7
2-28	do	1.2	6-18	do	.1
GRACIE CREEK					
Valley View—Sec. 31-23-17 W.					
5- 9	C. H. Carstens	14.0	7-25	C. H. Carstens	13.9
6- 1	do	13.2	8-16	do	13.4
7- 4	do	13.2			
GRAVEL CREEK					
Sec. 9-14-36 W.					
6-25	Fred Hervert	2.0	9-11	Fred Hervert	2.4
8-21	do	2.3			
GRAVEL CREEK					
Elyria—Sec. 20-20-14 W.					
5-10	C. H. Carstens	0.0	7- 2	C. H. Carstens	0.0
GREENWOOD CREEK					
Mouth—Sec. 26-19-50 W.					
10-24	K. S. Essex	0.5	5- 6	K. S. Essex	0.0
12- 5	do	.0	5-24	do	.0
3- 4	do	.1	7-19	do	.0
3-29	do	.5			
HACKBERRY CREEK					
Spalding—Sec. 11-20-10 W.					
5- 8	C. H. Carstens	1.2	7- 4	C. H. Carstens	0.9
HAINES BRANCH					
Lincoln—Sec. 4-9-6 E.					
7-15	C. H. Carstens	0.1	8-27	C. H. Carstens	0.1
HASKELL CREEK					
Ord—Sec. 4-19-14 W.					
5-10	C. H. Carstens	30.3	7-25	C. H. Carstens	1.2
7- 2	do	8.0	8-19	do	1.0
HAT CREEK					
Above Coffee Canal—Sec. 35-33-55 W.					
10-15	K. S. Essex	0.6	7-13	Essex-Rasmussen	0.0
5-21	do	1.4	9- 7	K. S. Essex	.0
HAWTHORNE CREEK					
Arcadia—South Line of Sec. 23-17-16 W.					
8-16	C. H. Carstens	0.5			
HAYS CREEK					
Arcadia—Sec. 5-16-15 W.					
8-16	C. H. Carstens	0.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
HERSHEY DRAIN					
Sec. 33-14-32 W.					
11-29	Fred Hervert	13.1	5-28	Fred Hervert	4.7
2-22	do	13.4	6- 5	do	5.0
3-23	do	7.1	6-17	do	7.0
4- 4	do	7.3	8-14	do	6.6
4-22	do	7.1	8-30	do	5.9
5- 7	do	11.7	9-12	do	2.5
HONEY CREEK					
Salem—South Line of Sec. 13-1-14 E.					
5-16	C. H. Carstens	0.5	7-17	C. H. Carstens	0.1
6-19	do	.2			
HOOPER CREEK					
Unadilla—North Line of Sec. 32-9-10 E.					
6-18	C. H. Carstens	0.1			
HORSE CREEK					
Lyman—Sec. 25-23-58 W.					
10- 5	H. P. Eisenhuth	42.5	5-16	H. P. Eisenhuth	8.0
10-26	do	31.5	5-24	do	5.6
11- 4	do	32.3	5-31	do	6.3
11-16	do	28.4	6- 7	do	7.1
12- 8	do	26.8	6-14	do	12.6
12-19	do	13.4	6-21	do	19.3
1-12	do	17.2	7- 4	do	4.9
1-24	do	12.5	7-11	do	6.1
2- 1	do	21.9	7-19	do	21.6
2-17	do	25.4	8- 2	do	2.6
3- 2	do	21.5	8- 9	do	1.0
3-16	do	19.1	8-15	do	.0
3-27	do	15.9	8-21	do	3.9
4- 3	do	16.3	8-30	do	11.7
4-16	do	39.2	9- 5	do	6.9
5- 3	do	15.3	9-12	do	23.1
5- 7	do	14.6	9-26	do	21.4
HOUSCHENS CREEK					
Brock—North Line of Sec. 21-6-13 E.					
6-18	C. H. Carstens	0.0	9-22	C. H. Carstens	0.0
HUGHES CREEK					
Auburn—North Line of Sec. 36-5-14 E.					
6-18	C. H. Carstens	0.0			
HUMBUG CREEK					
Pilger—South Line of Sec. 28-24-3 E.					
5-24	C. H. Carstens	0.1	9-20	C. H. Carstens	0.2
7- 9	do	.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
INDIAN CREEK					
Northport Wye—Sec. 19-20-50 W.					
10-10	H. P. Eisenhuth	9.8	5-13	H. P. Eisenhuth	2.4
10-24	do	7.9	6- 3	do	2.9
11- 7	do	7.1	6-17	do	1.2
11-29	do	5.9	6-24	do	3.6
12-11	do	5.9	7- 1	do	2.8
1- 9	do	5.5	7-16	do	1.5
2- 7	do	5.7	7-29	do	.9
3- 6	do	4.2	8-13	do	.0
3-18	do	4.4	8-26	do	.0
4- 1	do	3.6	9-10	do	1.6
4-18	do	3.5	9-24	do	2.0
5- 1	do	3.9			
INDIAN CREEK					
Sec. 5-32-50 W.					
10-14	K. S. Essex	0.0	5-15	K. S. Essex	0.2
11- 8	do	.0	6-19	do	.0
12-12	do	.0	7-16	do	.0
INDIAN CREEK					
Max—Sec. 23-2-36 W.					
11- 1	K. S. Essex	2.3	4- 1	K. S. Essex	4.6
11-23	do	2.7	5-30	do	1.5
2-21	do	5.4	6-29	do	.5
INDIAN CREEK					
Beaver Crossing—South Line of Sec. 4-9-1 E.					
5-14	C. H. Carstens	0.1	7-15	C. H. Carstens	0.1
6-17	do	.1			
INDIAN CREEK					
Beatrice—West Line of Sec. 27-4-6 E.					
5-15	C. H. Carstens	0.0	6-19	C. H. Carstens	0.0
INDIAN CREEK					
Wymore—Sec. 30-2-7 E.					
5-15	C. H. Carstens	0.1	6-19	C. H. Carstens	0.1
INDIAN CREEK					
Auburn—South Line of Sec. 31-5-15 E.					
6-18	C. H. Carstens	0.0			
JIM CREEK					
Above High Line Canal—Sec. 13-33-57 W.					
10-15	K. S. Essex	0.3	7-13	Essex-Rasmussen	0.1
6-22	Essex-Rasmussen	.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
JIM CREEK					
Passing Caladonia Dam—Sec. 13-33-57 W.					
6-22	K. S. Essex	0.1			
JOHNSON CREEK					
Dorchester—North Line of Sec. 5-8-3 E.					
5-15	C. H. Carstens	0.0			
JONES CREEK					
Talmage—South Line of Sec. 6-6-13 E.					
6-18	C. H. Carstens	0.1	9-22	C. H. Carstens	0.1
KEYA PAHA RIVER					
Naper—South Line of Sec. 19-34-14 W.					
6- 3	C. H. Carstens	26.3	9-18	C. H. Carstens	3.9
LANE DRAIN					
Sec. 30-23-57 W.					
10- 5	H. P. Eisenhuth	3.2	5- 3	H. P. Eisenhuth	0.5
10-26	do	2.4	5-16	do	.6
11- 4	do	2.3	6- 7	do	.9
11-16	do	1.6	6-21	do	1.3
12- 8	do	1.6	7- 4	do	1.2
1-12	do	1.2	7-11	do	.9
2- 1	do	1.1	7-19	do	1.6
3- 2	do	.7	8- 2	do	.0
3-16	do	.6	8-15	do	.0
4- 3	do	.6	9- 5	do	.0
4-16	do	.9	9-19	do	.0
LARABEE CREEK					
Sec. 6-34-44 W.					
10-17	K. S. Essex	1.3	5-20	K. S. Essex	2.5
12-14	do	1.1	6-17	do	1.1
2- 7	do	2.3	8-14	do	.9
2-29	do	4.8	9- 4	do	.6
3-27	do	1.5			
LAUGHING WATER CREEK					
Carns—Sec. 25-32-19 W.					
6- 2	C. H. Carstens	1.6	9-17	C. H. Carstens	0.8
LAWRENCE FORK					
Sec. 36-19-52 W.					
10-24	K. S. Essex	0.0	5-24	K. S. Essex	0.0
3- 4	do	4.2	7-19	do	.0
5- 7	do	4.6			
LEE CREEK					
Arcadia—North Line of Sec. 20-17-16 W.					
8-16	C. H. Carstens	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LILLIAN CREEK					
Walworth—Sec. 1-19-20 W.					
5- 1	C. H. Carstens	0.1	8-14	C. H. Carstens	0.1
5-29	do	.3			
LIME CREEK					
Maskell—Sec. 32-32-4 E.					
7-10	C. H. Carstens	0.1			
LINCOLN COUNTY DRAIN NO. 1					
North Platte—Sec. 30-14-30 W.					
10- 7	Fred Hervert	78.1	5-24	Fred Hervert	45.7
10-21	do	57.8	6- 4	do	46.7
11- 5	do	48.9	6-17	do	51.0
12-12	do	37.3	6-25	do	42.9
2-22	do	36.8	7- 9	do	45.1
3-23	do	34.8	8-10	do	30.8
4- 4	do	31.3	8-22	do	31.2
4-21	do	31.7	8-30	do	27.9
5- 7	do	35.9	9-12	do	32.2
LINCOLN COUNTY DRAIN NO. 2					
Sec. 12-14-33 W.					
10- 8	Fred Hervert	3.8	5- 8	Fred Hervert	3.1
12-12	do	2.4	5-24	do	3.8
2-22	do	3.0	6-17	do	2.8
3-23	do	2.6	8-22	do	1.3
4- 4	do	2.7	9-12	do	1.6
4-22	do	2.6			
LINCOLN CREEK					
Staplehurst—North Line of Sec. 14-11-2 E.					
5-14	C. H. Carstens	12.3	8- 8	C. H. Carstens	10.1
6-17	do	8.2	8-28	do	4.9
7-15	do	6.0	9-21	do	6.7
LITTLE RED CREEK					
Above Zerbst Canal—Sec. 34-33-56 W.					
6-22	Essex-Rasmussen	0.2			
LODGEPOLE CREEK					
Wyoming-Nebraska Line—Sec. 11-14-59 W.					
10-25	K. S. Essex	2.6	5- 9	K. S. Essex	3.2
11-27	do	5.0	6- 4	Essex-Hanna	2.6
2- 1	do	6.1	7- 6	do	4.1
2-14	do	6.3	8- 5	do	.4
3- 5	do	6.8	8-28	do	.5
4-10	do	3.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Above Oliver Reservoir—Bushnell—Sec. 33-15-57 W.					
10- 4	K. S. Essex	7.3	4- 9	K. S. Essex	15.0
10-25	do	9.5	5- 9	do	13.3
11-28	do	9.3	6- 4	Essex-Hanna	8.2
12-28	do	9.9	7- 6	do	9.5
2- 1	do	13.8	8- 5	do	4.1
2-14	do	12.0	8-28	do	5.8
3- 5	do	19.4			
LODGEPOLE CREEK					
Below Oliver Reservoir—Sec. 31-15-56 W.					
10- 4	Essex-Hanna	0.3	4-10	K. S. Essex	0.5
10-25	K. S. Essex	.5	5- 9	do	1.0
11-28	do	1.1	6- 4	Essex-Hanna	2.7
12-28	do	.5	7- 6	do	2.3
2-14	do	3.0	8- 5	do	1.7
3- 5	do	3.3	8-28	do	1.6
LODGEPOLE CREEK					
Kimball—Sec. 29-15-55 W.					
10- 4	Essex-Hanna	0.4	3- 6	K. S. Essex	13.1
10-26	K. S. Essex	.5	4-10	do	9.8
11-28	do	6.5	5- 9	do	2.3
12-28	do	13.1	6- 5	Essex-Hanna	8.5
2- 1	do	13.1	7- 6	K. S. Essex	.0
2-14	do	9.9	8- 6	Essex-Hanna	.1
LODGEPOLE CREEK					
Dix—Sec. 26-15-54 W.					
10- 4	K. S. Essex	0.0	4-10	K. S. Essex	0.8
10-26	do	.0	5- 9	do	.0
11-28	do	.0	6- 5	do	3.6
12-28	do	.0	7- 5	do	.0
2-14	do	1.4	8- 6	do	0
3- 6	do	7.3	8-29	do	.0
LODGEPOLE CREEK					
Potter—Sec. 6-14-52 W.					
2-14	K. S. Essex	0.0	5- 9	K. S. Essex	0.0
4-10	do	.0	7- 5	do	.0
LODGEPOLE CREEK					
Sidney—Sec. 31-14-49 W.					
11-29	K. S. Essex	0.9	5- 8	K. S. Essex	0.8
12-29	do	.5	7- 5	do	.0
1-31	do	1.0	8- 6	do	.2
2-13	do	.9	8-29	do	.5
3- 7	do	1.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
West Line—Sec. 33-14-49 W.					
10- 5	K. S. Essex	1.1			
LODGEPOLE CREEK					
Center of Sec. 33-14-49 W.					
10- 5	K. S. Essex	2.7			
LODGEPOLE CREEK					
Above Bordwell Canal, Center NE $\frac{1}{4}$ —Sec. 34-14-49 W.					
10- 5	K. S. Essex	5.8			
LODGEPOLE CREEK					
Below Borquist Canals—Sec. 34-14-49 W.					
10- 5	K. S. Essex	3.5			
LODGEPOLE CREEK					
Below Bordwell Canals—Sec. 35-14-49 W.					
10- 5	K. S. Essex	4.9			
LODGEPOLE CREEK					
Above Hale Canals—Sec. 35-14-49 W.					
10- 5	K. S. Essex	6.4			
LODGEPOLE CREEK					
Below Hale Diversion Dam, D-322—Sec. 36-14-49 W.					
10- 5	K. S. Essex	1.5			
LODGEPOLE CREEK					
West Line of Sec. 31-14-48 W.					
10- 5	K. S. Essex	4.9			
LODGEPOLE CREEK					
Above Krueger's Lake—Center of Sec. 31-14-48 W.					
10- 5	K. S. Essex	5.8	8- 7	K. S. Essex	1.7
5- 8	do	5.0	8-30	do	2.2
LODGEPOLE CREEK					
Below Krueger's Lake—Sec. 29-14-48 W.					
10- 5	K. S. Essex	0.1	4-12	K. S. Essex	0.5
10-27	do	.1	5- 8	do	.1
11-29	do	.2	6- 6	do	.4
12-29	do	.1	7- 5	do	.9
1-31	do	7.2	8- 7	do	.2
2-15	do	2.5	8-30	do	1.1
3- 7	do	3.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Rock Pile—NE Corner of Sec. 33-14-48 W.					
10- 5	K. S. Essex	0.2	4-12	K. S. Essex	0.9
10-27	do	.3	5-10	do	.5
11-29	do	2.0	6- 6	do	20.1
12-29	do	.5	8- 7	do	.1
3- 7	do	6.5			
LODGEPOLE CREEK					
South of Sunol—Sec. 36-14-48 W.					
10- 5	K. S. Essex	2.1	3- 7	K. S. Essex	1.4
10-27	do	1.6	4-12	do	1.6
12-29	do	1.6	5-10	do	1.3
1-31	do	1.7	7- 5	do	1.6
2-15	do	1.4			
LODGEPOLE CREEK					
Lodgepole—Sec. 30-14-46 W.					
10- 6	K. S. Essex	0.0	3- 7	K. S. Essex	7.5
10-27	do	.1	4-12	do	11.8
11-29	do	2.7	6- 6	do	.2
12-29	do	2.2	7- 4	do	.1
1-31	do	3.4	8- 7	do	.1
2-15	do	4.0	8-30	do	.0
LODGEPOLE CREEK					
Chappell—Sec. 21-13-45 W.					
10- 6	K. S. Essex	0.5	3- 7	K. S. Essex	15.4
10-27	do	.8	4-12	do	2.5
12- 1	do	.7	5-10	do	.5
12-29	do	2.0	6- 7	do	.6
1-31	do	2.1	7- 4	do	.5
2-15	do	13.5	8- 7	do	.0
LODGEPOLE CREEK					
Interstate Station at Ralton—Sec. 12-12-45 W.					
10- 6	K. S. Essex	1.0	4-12	K. S. Essex	6.9
10-27	do	1.6	5-10	do	3.3
12- 1	do	1.6	6- 7	do	3.7
1-31	do	2.4	7- 4	do	.2
2-15	do	12.6	8- 7	do	.0
3- 7	do	12.4			
LOGAN CREEK					
Winslow—Sec. 10-19-8 E.					
5-25	C. H. Carstens	29.3	8- 9	C. H. Carstens	59.7
6- 6	do	12900.0	8-29	do	115.0
7- 8	do	70.7	9-20	do	41.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOGAN CREEK, MIDDLE					
Laurel—South Line of Sec. 32-29-3 E.					
7-10	C. H. Carstens	7.3	9-19	C. H. Carstens	3.9
LONERGAN CREEK					
Lemoyne—Sec. 19-15-39 W.					
10-12	Fred Hervert	3.8	5-22	Fred Hervert	0.0
12-12	do	4.4	5-28	do	3.6
1-10	do	5.1	6-19	do	9
2-21	do	5.0	6-26	do	.4
3-18	do	6.6	8-15	do	5.0
4- 9	do	6.7	8-20	do	4.6
4-24	do	5.0	8-28	do	5.4
5- 9	do	5.7	9-10	do	5.5
LONG BRANCH					
Humboldt—North Line of Sec. 4-2-13 E.					
5-17	C. H. Carstens	1.1	7-18	C. H. Carstens	0.7
6-19	do	.5			
LONG PINE CREEK					
Riverview—North Line of Sec. 34-32-20 W.					
6- 1	C. H. Carstens	88.7	9-17	C. H. Carstens	84.3
LONGS CREEK					
Auburn—West Line of Sec. 15-5-14 E.					
6-18	C. H. Carstens	0.0			
LOOKING GLASS CREEK					
Genoa—Sec. 5-17-3 W.					
5- 6	C. H. Carstens	4.9			
LOOKING GLASS CREEK					
Monroe—Sec. 1-17-3- W.					
7-26	C. H. Carstens	1.9			
LOOKING GLASS CREEK CUTOFF					
Genoa—Sec. 8-17-3 W.					
4-26	C. H. Carstens	6.1	7-26	C. H. Carstens	6.8
7- 8	do	6.0	8-31	do	6.0
LOSEKE CREEK					
Neboville—Sec. 2-18-1 E.					
7- 8	C. H. Carstens	0.3			
LOST CREEK					
Sec. 1-16-44 W.					
10-11	Fred Hervert	0.8	5-10	Fred Hervert	0.0
1-29	do	.0	5-22	do	.0
2-16	do	.1	9-10	do	.0
3-16	do	.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOUP RIVER					
Genoa—Sec. 25-17-4 W.					
7-26	C. H. Carstens	11.4			
LOUP RIVER					
Genoa—Sec. 33-17-4 W.					
7-26	C. H. Carstens	7.8			
LOUP RIVER					
Columbus—Sec. 30-17-1 E.					
10- 5	H. W. Oehrich	129.0	4-20	W. L. Phillips	1052.0
10-12	do	1283.0	4-26	Phillips-Carstens	793.0
10-19	do	342.0	5- 4	W. L. Phillips	251.0
10-26	Oehrich-Phillips	149.0	5- 7	do	1770.0
11- 2	W. L. Phillips	318.1	5-11	do	251.0
11- 9	do	510.0	5-18	do	247.0
11-16	do	557.5	5-25	do	152.0
11-21	do	295.0	6- 1	do	105.0
11-28	do	842.0	6- 7	do	17384.0
12- 7	do	675.0	6-15	do	346.0
12-13	do	770.0	6-22	do	783.0
12-14	do	1562.0	7- 1	do	144.0
12-20	do	867.0	7- 8	do	90.2
12-27	do	378.6	7- 8	C. H. Carstens	99.9
1- 4	Ham-Phillips	253.3	7-15	W. L. Phillips	74.9
1-11	Phillips-Pittman-Smith	746.0	7-22	do	71.0
1-29	W. L. Phillips	534.0	7-25	Phillips-Neumarker	57.0
2- 5	do	796.0	7-26	C. H. Carstens	60.8
2-12	do	1365.0	8- 1	W. L. Phillips	108.0
2-20	do	1736.0	8-10	do	67.0
2-27	do	1215.0	8-17	do	121.0
3- 5	do	2924.0	8-24	do	80.0
3-18	do	3939.0	8-31	do	97.0
3-22	do	1886.0	9- 7	do	81.3
3-29	do	3295.0	9-16	do	77.8
4- 5	do	1211.0	9-25	do	106.6
4-13	do	984.0			
LOUP RIVER, MIDDLE					
Dunning—Sec. 33-22-24					
5- 2	C. H. Carstens	382.0	7-24	C. H. Carstens	304.0
5-30	do	316.0	8-15	do	337.0
7- 3	do	322.0	9- 8	do	343.0
LOUP RIVER, MIDDLE					
Walworth—Sec. 1-19-20 W.					
5- 1	C. H. Carstens	953.0	7-23	C. H. Carstens	681.0
5-29	do	891.0	8-14	do	653.0
6-26	do	668.0	9- 7	do	714.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOUP RIVER, MIDDLE					
Arcadia—Sec. 26-17-16 W.					
10- 7	G. O. Travis	627.0	6- 5	G. O. Travis	744.0
10-14	do	729.0	6-12	do	697.0
11- 9	do	746.0	6-19	do	561.0
12- 2	do	843.0	6-26	do	518.0
1-10	Ham-Travis	557.0	7- 3	do	555.0
2- 6	Travis-Bruner	897.0	7-10	do	512.0
2-18	C. B. Ham	971.0	7-17	do	427.0
3- 6	G. O. Travis	1570.0	7-24	do	327.0
3-19	C. B. Ham	831.0	7-31	do	805.0
4-10	G. O. Travis	765.0	8- 7	do	453.0
4-18	C. H. Carstens	831.0	8-11	do	486.0
4-25	G. O. Travis	809.0	8-21	do	444.6
5- 1	do	738.0	8-28	do	535.0
5- 8	do	639.0	9- 4	do	486.3
5-15	do	613.0	9-14	do	506.9
5-22	do	592.0	9-18	do	538.0
5-29	do	562.0	9-25	do	607.0
LOUP RIVER, MIDDLE					
Boelus—Sec. 29-13-12 W.					
4-29	C. H. Carstens	497.0	7-20	C. H. Carstens	7.1
5-27	do	49.7	7-30	do	12.5
6-25	do	93.1	8-13	do	4.9
6-28	do	27.7	9- 3	do	4.2
7-13	do	6.8	9-16	do	24.2
LOUP RIVER, MIDDLE					
St. Paul—Sec. 10-14-10 W.					
10-12	C. B. Ham	992.0	5- 1	C. B. Ham	1070.0
10-21	do	706.0	5-20	do	884.0
11- 9	Glazier-Sawyer	863.0	6- 8	C. H. Carstens	5560.9
11-17	L. J. Glasier	918.0	6-12	do	1080.0
1- 9	C. B. Ham	496.0	6-21	C. B. Ham	674.0
1-25	do	561.0	7- 1	C. H. Carstens	474.0
2- 5	do	899.0	7-11	L. J. Clasier	387.0
2-19	do	1350.0	7-24	do	226.0
3- 8	do	1920.0	8- 9	do	432.0
3-18	do	1270.0	8-21	do	521.0
4- 2	do	998.0	9- 5	do	565.0
4-19	Carstens-Ham	1050.0	9-19	do	576.0
LOUP RIVER, NORTH					
West Line of Sec. 35-24-24 W.					
5-31	C. H. Carstens	242.0	8-15	C. H. Carstens	228.0
7- 3	do	219.0	9- 8	do	213.0
7-24	do	187.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOUP RIVER, NORTH					
Taylor—Sec. 22-21-18 W.					
10- 3	C. J. Wilson	320.0	6- 3	G. O. Travis	219.0
10-10	do	482.0	6-10	do	389.0
10-16	do	332.0	6-17	do	218.0
10-24	do	311.0	6-24	do	209.9
11- 1	do	451.0	7- 1	do	176.0
11-14	do	461.0	7- 8	do	123.2
12- 1	do	466.0	7-15	do	185.0
1-11	C. B. Ham	422.0	7-22	do	116.0
2-18	do	567.0	7-29	do	123.6
3-20	do	493.0	8- 5	do	185.0
4- 8	G. O. Travis	339.0	8-12	do	178.0
4-15	do	319.0	8-19	do	243.0
4-18	Carstens-Ham	504.0	8-26	do	178.8
4-22	G. O. Travis	422.0	9- 2	do	160.0
4-29	do	345.0	9- 9	do	175.0
5- 6	do	331.0	9-16	do	202.0
5-13	do	278.0	9-23	do	201.0
5-20	do	301.0	9-30	do	213.0
5-27	do	278.0			
LOUP RIVER, NORTH					
Scotia—Sec. 8-17-12 W.					
10- 4	C. J. Wilson	644.0	5-31	G. O. Travis	491.0
10-11	do	813.0	6- 7	do	1170.0
10-17	do	577.0	6-13	do	710.0
10-25	do	603.0	6-21	do	428.0
11- 2	do	796.0	6-28	do	446.0
11-15	do	927.0	7- 5	do	369.0
12- 2	do	953.0	7-12	do	293.0
1-11	C. B. Ham	608.0	7-19	do	215.0
2-19	do	863.0	7-26	do	177.0
3-19	do	906.0	8- 2	do	260.0
4- 6	G. O. Travis	783.0	8- 9	do	298.0
4-12	do	699.0	8-16	do	301.8
4-19	Carstens-Travis	899.0	8-23	do	235.0
4-26	G. O. Travis	740.0	8-30	do	329.9
5- 3	do	688.0	9- 6	do	331.0
5-10	do	624.0	9-13	do	329.0
5-17	do	641.0	9-20	do	338.0
5-24	do	593.0	9-27	do	401.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOUP RIVER, NORTH					
St. Paul—Sec. 22-15-10 W.					
10-12	C. B. Ham	740.0	5- 1	C. B. Ham	726.0
10-20	do	545.0	5-20	Ham-Carstens	611.0
11- 9	Glasier-Sawyer	1070.0	6- 4	C. H. Carstens	4690.0
11-17	L. J. Glasier	753.0	6-12	do	656.0
1- 9	C. B. Ham	464.0	6-22	C. B. Ham	410.0
1-25	do	520.0	7- 1	C. H. Carstens	357.0
2- 5	do	895.0	7-11	L. J. Glasier	255.0
2-20	do	1100.0	7-24	do	161.0
3- 8	do	1300.0	8- 8	do	294.0
3-19	do	959.0	8-21	do	392.0
4- 3	do	934.0	9- 5	do	259.0
4-20	Carstens-Ham	800.0	9-19	do	325.0
LOUP RIVER, SOUTH					
Callaway—Sec. 2-15-23 W.					
5- 2	C. H. Carstens	80.8	7-22	C. H. Carstens	73.5
5-28	do	69.3	8-14	do	59.7
6-26	do	48.3	9- 7	do	62.7
LOUP RIVER, SOUTH					
Ravenna—East Line of Sec. 17-12-14 W.					
4-30	C. H. Carstens	200.0	7-22	C. H. Carstens	40.6
5-28	do	113.0	8-13	do	74.0
6-25	do	85.5	9- 4	do	60.5
LOUSE CREEK					
Redbird—Sec. 12-32-10 W.					
6- 3	C. H. Carstens	5.9	9-18	C. H. Carstens	1.3
LUCK CREEK					
Riverview—Sec. 16-32-20 W.					
6- 1	C. H. Carstens	0.0	9-17	C. H. Carstens	0.0
McGILL CREEK					
Norden—Sec. 25-33-24 W.					
6- 2	C. H. Carstens	0.6	9-18	C. H. Carstens	0.3
McGUIRE'S SLOUGH					
Sec. 21-6-40 W.					
10-10	K. S. Essex	1.5	4- 2	K. S. Essex	1.8
11-21	do	1.8	4-30	do	2.2
12-19	do	1.9	5-28	do	1.4
2-19	do	2.0	6-26	do	1.1
3-12	do	2.0	8-19	do	2.0
MACKELROY CREEK					
Verdon—South Line of Sec. 8-2-16 E.					
7-18	C. H. Carstens	0.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
MAPLE CREEK					
Nickerson—West Line of Sec. 11-18-8 E.					
5-25	C. H. Carstens	2.2	9-20	C. H. Carstens	0.7
7- 8	do	.9			
MEDICINE CREEK					
Cambridge—Sec. 18-4-25 W.					
10-10	C. B. Ham	29.1	6- 8	K. S. Essex	516.0
11- 8	Glasier-Sawyer	41.9	6-19	Sawyer-Ham	54.7
11-21	L. J. Glasier	44.6	6-28	K. S. Essex	33.2
1-17	C. B. Ham	47.1	7- 9	L. J. Glasier	31.1
2- 9	do	54.3	7-28	K. S. Essex	41.9
3- 6	do	68.9	8- 7	L. J. Glasier	31.8
4-14	do	51.6	8-22	K. S. Essex	28.6
4-30	L. J. Glasier	151.0	9- 4	L. J. Glasier	32.8
5- 8	C. B. Ham	43.9	9-24	K. S. Essex	2270.0
5-30	K. S. Essex	36.3			
MELBETA DRAIN					
One-half Mile West of Melbeta Bridge—Sec. 13-21-54 W.					
10- 6	H. P. Eisenhuth	9.1	5- 3	H. P. Eisenhuth	2.9
10-30	do	2.1	5-14	do	.3
11- 4	do	3.7	6- 8	do	8.2
11-25	do	6.0	6-14	do	3.1
12- 9	do	3.8	6-21	do	.3
1-13	do	3.5	7- 3	do	.1
2- 3	do	2.8	7-19	do	.0
3- 4	do	2.1	8- 3	do	.0
3-15	do	2.2	8-16	do	.0
4- 2	do	2.8	8-30	do	.0
4-17	do	4.5	9-13	do	.0
MESKENTHINE CREEK					
Stanton—Sec. 20-23-2 E.					
5-24	C. H. Carstens	0.0	9-20	C. H. Carstens	0.0
7- 9	do	.0			
MESSENGER CREEK					
Sumter—Sec. 26-19-13 W.					
5-10	C. H. Carstens	0.2	8-19	C. H. Carstens	0.1
7- 2	do	.1			
MIDDLE CREEK					
Norden—Sec. 29-33-23 W.					
6- 2	C. H. Carstens	0.9	9-18	C. H. Carstens	0.3
MIDDLE CREEK, EAST					
Norden—East Line of Sec. 29-33-23 W.					
6- 2	C. H. Carstens	0.3	9-18	C. H. Carstens	0.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
MIDDLE CREEK					
Lincoln—Sec. 28-10-6 E.					
6-17	C. H. Carstens	0.1	8-27	C. H. Carstens	0.2
7-15	do	.2			
MILLER BRANCH					
Wahoo—South Line of Sec. 8-14-7 E.					
7-16	C. H. Carstens	0.0			
MINNECHADUZA CREEK					
Valentine—Sec. 23-34 29 W.					
10-17	K. S. Essex	14.8	4-20	K. S. Essex	37.4
11-10	do	16.1	5-17	do	14.3
12-15	do	18.0	6-17	do	9.3
2- 9	do	15.8	7-11	do	8.3
2-29	do	30.2	8-14	do	8.2
3-27	do	24.2	9- 4	do	7.4
MIRA CREEK					
North Loup—Sec. 26-18-13 W.					
5-10	C. H. Carstens	0.1	8-19	C. H. Carstens	0.1
7- 2	do	.1			
MOFFAT DRAIN					
Sec. 25-22-53 W.					
5-14	H. P. Eisenhuth	0.0			
MONROE CREEK					
Below Monroe Canal—Sec. 33-33-56 W.					
10-15	K. S. Essex	0.6	7-13	Essex Rasmussen	0.0
5-21	do	.0	9- 7	do	.1
6-22	Essex-Rasmussen	.0			
MOON CREEK					
Loup City—Sec. 10-15-15 W.					
8-16	C. H. Carstens	0.5			
MUD CREEK					
Holmesville—Sec. 33-3-7 E.					
5-15	C. H. Carstens	0.1	6-19	C. H. Carstens	0.0
MUDDY CREEK					
Berwyn—Sec. 13-16-20 W.					
5- 3	C. H. Carstens	0.1	7-22	C. H. Carstens	0.4
6-25	do	.5			
MUDDY CREEK					
Ansley—Sec. 16-15-18 W.					
4-30	C. H. Carstens	7.0	7-22	C. H. Carstens	4.7
5- 3	do	7.0	8-13	do	3.1
5-28	do	6.6	9- 5	do	4.5
6-25	do	5.9			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
MUDDY CREEK					
Hazard—Sec. 29-13-15 W.					
4-30	C. H. Carstens	22.7	7-22	C. H. Carstens	9.6
5-28	do	16.6	8-13	do	8.8
6-25	do	17.1	9- 4	do	18.2
MUDDY CREEK					
Ravenna—South Line of Sec. 34-13-14 W.					
5-28	C. H. Carstens	0.0			
MUDDY CREEK					
Falls City—North Line of Sec. 7-1-17-E.					
5-16	C. H. Carstens	5.5	6-19	C. H. Carstens	2.6
MUDDY CREEK					
Preston—West Line of Sec. 16-1-17 E.					
7-17	C. H. Carstens	2.7	8-26	C. H. Carstens	89.4
8- 7	do	2.4	9-22	do	3.7
MULESHOE CREEK					
Norden—Sec. 22-33-24 W.					
6- 2	C. H. Carstens	1.3	9-18	C. H. Carstens	0.9
MUNSON CREEK					
Elba—Sec. 33-16-11 W.					
5-10	C. H. Carstens	0.1	8-19	C. H. Carstens	0.0
7- 2	do	.0			
NEMAHA RIVER, BIG					
Preston—West Line of Sec. 16-1-17-E.					
5-16	C. H. Carstens	15.5	8- 7	C. H. Carstens	62.5
6-19	do	6.4	8-26	do	419.0
7-17	do	4.6	9-22	do	12.9
NEMAHA RIVER, BIG, NORTH FORK					
Tecumseh—Sec. 29-5-11 E.					
5-17	C. H. Carstens	10.4			
NEMAHA RIVER, BIG, NORTH FORK					
Salem—Sec. 3-1-15 E.					
5-16	C. H. Carstens	8.6	8- 6	C. H. Carstens	45.1
6-19	do	4.4	8-26	do	440.0
7-17	do	3.6	9-22	do	6.7
NEMAHA RIVER, BIG, SOUTH FORK					
Salem—Sec. 10-1-15 E.					
5-16	C. H. Carstens	4.3	8- 6	C. H. Carstens	34.6
6-19	do	2.8	8-26	do	119.0
7-17	do	1.0	9-22	do	4.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
NEMAHA RIVER, LITTLE					
Talmage—South Line of Sec. 17-7-12 E.					
6-18	C. H. Carstens	0.8			
NEMAHA RIVER, LITTLE					
Talmage—West Line of Sec. 25-7-12 E.					
5-17	C. H. Carstens	10.0	8-27	C. H. Carstens	78.7
7-17	do	5.5	9-22	do	8.3
8- 7	do	41.3			
NEMAHA RIVER, LITTLE					
Auburn—East Line of Sec. 9-5-14 E.					
6-18	C. H. Carstens	8.3	8-27	C. H. Carstens	228.0
7-17	do	6.4	9-22	do	6.6
8- 7	do	112.0			
NEMAHA RIVER, LITTLE					
Auburn—South Line of Sec. 14-5-14 E.					
5-17	C. H. Carstens	13.8			
NEMAHA RIVER, LITTLE, NORTH FORK					
Talmage—North Line of Sec. 24-7-12 E.					
5-17	C. H. Carstens	0.6	8- 7	C. H. Carstens	4.5
6-18	do	.2	8-27	do	11.2
7-17	do	.1	9-22	do	.2
NEMAHA RIVER, LITTLE, SOUTH FORK					
Talmage—North Line of Sec. 32-7-12 E.					
5-17	C. H. Carstens	9.5	8- 7	C. H. Carstens	10.2
6-18	do	6.5	8-27	do	21.2
7-17	do	5.8	9-22	do	6.7
NINE MILE DRAIN					
Minatare—Sec. 25-21-53 W.					
10- 3	H. P. Eisenhuth	151.0	5- 1	H. P. Eisenhuth	80.1
10-20	do	124.0	5- 9	do	63.8
11- 1	do	115.0	5-21	do	80.9
11-15	do	109.0	6- 4	do	114.0
12- 1	do	105.0	6-12	do	117.0
12-21	Fred Hervert	98.0	6-19	do	95.7
1- 9	H. P. Eisenhuth	99.4	7- 2	do	99.0
1-25	do	90.3	7-16	do	92.8
2- 6	do	93.3	7-30	do	87.6
2-20	do	85.7	8- 6	do	74.2
3- 5	do	86.1	8-13	do	72.3
3-14	do	87.8	8-22	do	91.6
3-25	do	80.2	9- 4	do	92.8
4- 2	do	82.4	9-17	do	93.9
4-18	do	79.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
NIOBRARA RIVER					
Wyoming-Nebraska State Line—Sec. 20-31-58 W.					
10-15	K. S. Essex	2.5	5-21	K. S. Essex	5.3
11- 9	do	3.9	6-21	do	3.4
12-13	do	4.0	8-12	do	3.1
3-22	do	4.5			
NIOBRARA RIVER					
South of Harrison—Sec. 9-29-56 W.					
11- 9	K. S. Essex	6.0	6-21	K. S. Essex	4.0
12-13	do	19.8	8-12	do	4.1
3-22	do	10.3			
NIOBRARA RIVER					
Agate—Sec. 7-28-55 W.					
11- 9	K. S. Essex	10.1	6-21	K. S. Essex	4.4
12-13	do	16.9	7-12	Essex-Rasmussen	3.4
3-22	do	22.9	8-12	K. S. Essex	3.9
4-23	do	18.3			
NIOBRARA RIVER					
Below Mouth of Whistle Creek—Sec. 7-28-53 W.					
12-13	K. S. Essex	5.6	6-20	K. S. Essex	1.9
4-23	do	17.8	7-13	Essex-Rasmussen	6.5
5-16	do	8.3	8-12	K. S. Essex	3.1
NIOBRARA RIVER					
East of Marsland—Sec. 36-29-51 W.					
10-16	K. S. Essex	7.0	5-16	K. S. Essex	10.7
11- 7	do	4.8	6-20	do	5.6
12-13	do	14.7	7-16	do	5.0
2-28	do	40.7	8-13	do	8.6
3-23	do	50.8	9- 6	do	7.0
NIOBRARA RIVER					
Dunlap—Sec. 27-29-48 W.					
10-16	K. S. Essex	4.1	3-20	K. S. Essex	66.3
11- 7	do	4.7	3-23	do	63.7
12-11	do	30.0	4-25	do	47.5
12-16	do	29.8	5-16	do	9.3
1-16	do	55.0	6-20	do	2.8
2- 5	do	45.7	7-16	do	7.6
2-26	do	56.4	8- 9	do	16.6
3- 2	do	85.4	9- 6	do	8.1
NIOBRARA RIVER					
South of Gordon—Sec. 15-31-41 W.					
10-17	K. S. Essex	88.8	4-20	K. S. Essex	158.9
11-10	do	83.9	5-17	do	89.5
12-14	do	129.3	6-17	do	61.4
2- 7	do	187.9	7-11	do	46.4
2-29	do	260.8	8-14	do	56.1
3-27	do	178.8	9- 4	do	76.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
NIOBRARA RIVER					
Valentine—Sec. 28-33-28 W.					
10-18	K. S. Essex	710.0	5-18	K. S. Essex	790.4
11-11	do	776.8	6-15	do	591.3
12-15	do	830.6	7-10	do	590.1
3- 1	do	1191.1	8-15	do	585.0
3-26	do	848.3	9- 3	do	609.3
4-19	do	914.5			
NIOBRARA RIVER					
Below Dam at Valentine—Sec. 22-34-27 W.					
10-18	K. S. Essex	802.4	4-20	K. S. Essex	974.7
11-10	do	842.2	5-20	do	730.3
12-14	do	895.6	6-15	do	660.3
2- 8	do	963.6	7-10	do	672.1
3- 1	do	1292.1	8-15	do	627.4
3-26	do	963.7	9- 3	do	595.9
NIOBRARA RIVER					
Spencer—Sec. 30-33-11 W.					
6-25	C. B. Ham	885.0	9-23	L. J. Glasier	936.0
8-22	L. J. Glasier	926.0	9-24	do	1690.0
8-22	do	506.0			
NIOBRARA RIVER					
Verdel—Sec. 23-32-8 W.					
10-10	J. A. Short	1640.0	5- 2	W. M. Pierce	1750.0
10-20	C. B. Ham	1080.0	5-21	Carstens-Ham	1140.0
11-10	J. H. Meyer	1100.0	6- 1	W. M. Pierce	530.0
10-16	L. J. Glasier	1140.0	6-25	C. B. Ham	306.0
12- 9	J. H. Meyer	1280.0	6-29	J. C. Berkenbosch	1160.0
1- 9	K. J. Craig	618.0	7-23	L. J. Glasier	471.0
1-26	C. B. Ham	545.0	7-30	G. N. Mesnier	290.0
2-17	do	1590.0	8-23	L. J. Glasier	840.0
3-20	do	4150.0	8-30	W. M. Pierce	840.0
3-31	A. L. Post	2550.0	9-24	L. J. Glasier	965.0
4-29	C. B. Ham	2570.0			
OAK CREEK					
Dannebrog—Sec. 2-13-11 W.					
4-29	C. H. Carstens	0.7			
OAK CREEK					
Dannebrog—West Line of Sec. 9-13-11 W.					
5-27	C. H. Carstens	0.2			
OAK CREEK					
Springranch—East Line of Sec. 25-5-9 W.					
6-22	C. H. Carstens	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
OAK CREEK					
Oak—North Line of Sec. 20-3-5 W.					
6-22	C. H. Carstens	0.0			
OAK CREEK					
West Lincoln—West Line of Sec. 16-10-6 E.					
5-14	C. H. Carstens	2.7	7-15	C. H. Carstens	1.1
6-17	do	1.2	8-27	do	1.9
OMAHA CREEK					
Homer—West Line of Sec. 1-27-8 E.					
7-10	C. H. Carstens	0.1	9-19	C. H. Carstens	0.0
OTTER CREEK					
Lemoyne—Sec. 5-15-40 W.					
10-12	Fred Hervert	20.2	5- 9	Fred Hervert	20.4
11-27	do	20.2	5-22	do	22.9
12-12	do	22.6	6-19	do	18.6
1-10	do	23.6	8-15	do	21.2
2-21	do	22.4	8-20	do	18.6
3-18	do	22.2	8-28	do	21.0
4- 9	do	20.3	9-10	do	18.7
4-24	do	26.3			
OX BOW CREEK					
Angus—East Line of Sec. 33-4-6 W.					
6-22	C. H. Carstens	0.0			
PAWNEE CREEK					
Sec. 4-12-27 W.					
11- 3	Fred Hervert	6.9	6-15	Fred Hervert	1.4
12-11	do	4.6	6-24	do	4.6
2-24	do	5.9	7- 3	do	1.1
3-23	do	6.3	7- 9	do	.0
4- 4	do	6.4	7-12	do	1.9
4-21	do	6.3	7-19	do	3.0
5- 6	do	5.1	8- 7	do	3.9
5-25	do	1.4	8-24	do	4.1
6- 4	do	2.8	9-20	do	2.7
PAWNEE CREEK					
Springranch—Sec. 16-5-8 W.					
6-22	C. H. Carstens	0.5			
PEBBLE CREEK					
Scribner—Sec. 4-19-7 E.					
5-25	C. H. Carstens	5.7	8-29	C. H. Carstens	3.3
7- 8	do	6.2	9-20	do	4.8
8- 9	do	4.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
PEPPER CREEK					
Dunlap—Chadron Highway—Sec. 27-30-48 W.					
1-16	K. S. Essex	0.5	3-20	K. S. Essex	0.2
2- 5	do	.5			
PERRIN CREEK					
Laurel—East Line of Sec. 32-29-3 E.					
7-10	C. H. Carstens	6.2	9-19	C. H. Carstens	5.4
PIGEON CREEK					
Homer—Sec. 34-28-8 E.					
7-10	C. H. Carstens	0.0	9-19	C. H. Carstens	0.0
PINE CREEK					
Colclessor Mill—Sec. 33-30-44 W.					
11-10	K. S. Essex	19.8	5-20	K. S. Essex	16.5
12-14	do	22.3	6-17	do	10.9
3-25	do	24.3	7-11	do	13.5
4-20	do	28.1	9- 4	do	13.3
PISHEL CREEK					
Pishelville—Sec. 26-32-8 W.					
6- 3	C. H. Carstens	0.1	9-18	C. H. Carstens	0.0
PLEASANT RUN					
Stanton—Sec. 25-23-1 E.					
5-21	C. H. Carstens	0.0	9-20	C. H. Carstens	0.0
PLUM CREEK					
U.P.R.R. Bridge—Sec. 10-19-49 W.					
10-10	Fred Hervert	2.2	5-19	A. W. Hall	0.7
10-30	do	1.8	6-10	do	.7
12- 1	do	1.9	6-28	Fred Hervert	.3
1- 2	do	2.7	8-13	A. W. Hall	.0
2-15	do	1.8	9- 9	Fred Hervert	.1
3-15	do	2.0	9-23	do	.2
4-15	do	2.1			
PLUM CREEK					
Meadville—Sec. 11-32-22 W.					
6- 2	C. H. Carstens	79.3	9-17	C. H. Carstens	77.4
PLUM CREEK					
Fullerton—South Line of Sec. 33-17-5 W.					
5- 6	C. H. Carstens	0.1	5-23	C. H. Carstens	0.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
PLUM CREEK					
Seward—North Line of Sec. 15-11-3 E.					
5-14	C. H. Carstens	0.0	7-15	C. H. Carstens	0.0
6-17	do	.0			
PLUM CREEK					
West Point—South Line of Sec. 4-22-6 E.					
5-24	C. H. Carstens	0.4	9-20	C. H. Carstens	0.1
7- 9	do	.3			
PLUM CREEK					
Barnston—West Line of Sec. 20-1-8 E.					
5-15	C. H. Carstens	0.3			
PONCA CREEK					
Verdel—East Line of Sec. 25-33-8 W.					
8-10	C. H. Carstens	7.2	9-18	C. H. Carstens	0.0
PRAIRIE CREEK					
Silver Creek—Sec. 17-16-2 W.					
5- 6	C. H. Carstens	1.0	7- 8	C. H. Carstens	0.0
PUMPKINSEED CREEK					
Gering-Kimball Highway—Sec. 4-19-55 W.					
12- 5	K. S. Essex	0.7	5-25	K. S. Essex	0.5
PUMPKINSEED CREEK					
Below Nielson-Coulter Canal—Sec. 30-19-52 W.					
7-22	A. W. Hall	2.0	8-16	A. W. Hall	0.0
PUMPKINSEED CREEK					
Below Mutual Canal—Sec. 27-19-52 W.					
10-24	K. S. Essex	3.0	5-24	K. S. Essex	2.1
12- 5	do	3.3	7-19	do	.1
3- 4	do	12.6	8-16	A. W. Hall	1.2
5- 7	do	10.3	9-12	do	1.4
PUMPKINSEED CREEK					
Five Miles South of Bridgeport—Sec. 28-19-50 W.					
5- 7	K. S. Essex	25.9	7-19	K. S. Essex	14.2
5-24	do	5.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
FUMPKINSEED CREEK					
Mouth—Sec. 12-19-50 W.					
10-10	Fred Hervert	18.9	5- 6	K. S. Essex	36.2
10-24	K. S. Essex	19.8	5-21	A. W. Hall	2.0
11- 7	Fred Hervert	17.3	5-22	Fred Hervert	2.7
11-17	do	15.4	5-24	K. S. Essex	3.2
11-27	K. S. Essex	16.0	6-10	H. P. Eisenhuth	25.0
12- 6	do	18.1	6-21	Fred Hervert	30.8
12-16	Fred Hervert	27.4	6-28	do	27.9
12-27	K. S. Essex	26.3	7- 8	K. S. Essex	24.7
1- 2	Fred Hervert	24.8	7-13	H. P. Eisenhuth	4.2
1-19	K. S. Essex	36.0	7-19	K. S. Essex	27.7
1-30	Fred Hervert	35.0	8- 8	do	19.1
2-10	K. S. Essex	46.1	9- 9	Fred Hervert	26.4
2-15	Fred Hervert	42.7	9-18	do	5.3
2-24	Essex-Eisenhuth	36.5	9-21	H. P. Eisenhuth	53.2
3- 4	K. S. Essex	44.3	9-21	do	53.0
3-15	Fred Hervert	45.8	9-21	do	59.5
3-29	K. S. Essex	40.4	9-21	Eisenhuth-Chase	75.3
4- 9	do	33.6	9-21	A. W. Hall	87.1
4-29	do	42.8	9-30	Fred Hervert	17.5
RATTLESNAKE CREEK					
Dawson—North Line of Sec. 16-1-14 E.					
5-16	C. H. Carstens	1.4	6-19	C. H. Carstens	0.3
RAWHIDE CUTOFF					
Elk City—West Line of Sec. 4-16-10 E.					
5-25	C. H. Carstens	6.8	9-20	C. H. Carstens	5.7
RAWHIDE CREEK					
Elk City—South Line of Sec. 16-16-10 E.					
5-25	C. H. Carstens	2.9	9-20	C. H. Carstens	1.2
RED BIRD CREEK					
Redbird—East Line of Sec. 11-32-10 W.					
6- 3	C. H. Carstens	8.9	9-18	C. H. Carstens	1.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-Ft.	Date	Hydrographer	Discharge Sec.-Ft.
RED WILLOW CREEK					
Below Wild Horse Drain—Sec. 7-20-51 W.					
10- 3	H. P. Eisenhuth	89.2	5- 6	H. P. Eisenhuth	22.4
10-20	do	144.0	5- 9	do	23.8
11- 1	do	111.0	5-21	do	38.9
11-15	do	87.9	6- 3	do	39.4
12- 1	do	92.0	6-12	do	105.0
12-21	Fred Hervert	87.5	6-17	do	37.5
1- 9	H. P. Eisenhuth	73.1	7- 1	do	57.6
1-27	do	64.8	7-10	do	31.9
2- 6	do	74.0	7-16	do	36.7
2-20	do	60.0	7-29	do	54.8
3- 5	do	57.8	8- 6	do	52.0
3-14	do	58.8	8-13	do	21.1
3-25	do	51.4	8-22	do	29.0
4- 1	do	53.2	9- 3	do	28.9
4-18	do	51.7	9-17	do	26.8
5- 1	do	48.3			
RED WILLOW CREEK					
North of McCook—Sec. 6-4-29 W.					
9-29	K. S. Essex	8.5			
RED WILLOW CREEK					
Red Willow—Sec. 8-3-28 W.					
10-10	C. B. Ham	8.6	4-14	C. B. Ham	24.2
10-24	do	11.0	4-30	L. J. Glasier	34.0
11- 2	K. S. Essex	14.6	5- 8	C. B. Ham	20.7
11- 8	Glasier-Sawyer	15.9	5-30	K. S. Essex	17.6
11-21	L. J. Glasier	15.9	6-19	Ham-Sawyer	30.8
11-24	K. S. Essex	17.0	6-28	K. S. Essex	12.6
12-21	do	11.1	7- 9	L. J. Glasier	14.1
1-17	C. B. Ham	19.8	7-28	K. S. Essex	9.4
1-25	K. S. Essex	8.7	8- 7	L. J. Glasier	7.6
2- 9	C. B. Ham	12.6	8-22	K. S. Essex	3.7
3- 6	do	46.6	9- 4	L. J. Glasier	7.6
3-13	K. S. Essex	29.1	9-29	K. S. Essex	11.0
4- 4	do	28.0			
REPUBLICAN RIVER					
Colorado-Nebraska Line—Sec. 10-1-42 W.					
10- 9	C. B. Ham	24.3	4- 1	K. S. Essex	69.0
10-11	K. S. Essex	20.0	4-12	C. B. Ham	57.7
10-28	C. B. Ham	26.8	5- 3	K. S. Essex	27.2
11- 2	K. S. Essex	28.5	5- 8	C. B. Ham	16.7
11- 6	Glasier-Sawyer	32.6	5-31	K. S. Essex	13.0
11-22	L. J. Glasier	53.5	6-18	C. B. Ham	14.4
12-22	K. S. Essex	57.2	6-29	K. S. Essex	5.3
1-20	C. B. Ham	63.0	7- 8	L. J. Glasier	5.8
1-26	K. S. Essex	48.0	7-29	K. S. Essex	3.8
2- 8	C. B. Ham	70.8	8- 6	L. J. Glasier	2.9
2-23	K. S. Essex	59.5	8-21	K. S. Essex	5.1
3- 4	C. B. Ham	77.1	9- 3	L. J. Glasier	6.0
3-14	K. S. Essex	67.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
REPUBLICAN RIVER, NORTH FORK					
Benkelman—Sec. 19-1-37 W.					
10-11	K. S. Essex	45.6	3-14	K. S. Essex	142.1
11- 1	do	48.8	4- 1	do	92.7
11-23	do	68.4	5- 3	do	57.5
12-21	do	66.6	6-29	do	5.7
2-21	do	107.7	8-21	do	.0
REPUBLICAN RIVER, SOUTH FORK					
Benkelman—Sec. 31-1-37 W.					
10-10	C. B. Ham	0.0	4- 1	K. S. Essex	44.6
10-11	K. S. Essex	.0	4-12	C. B. Ham	37.6
10-24	C. B. Ham	.0	5- 3	K. S. Essex	20.8
11- 1	K. S. Essex	2.0	5- 7	C. B. Ham	10.0
11- 7	Sawyer-Glasier	11.4	5-30	K. S. Essex	21.3
11-22	L. J. Glasier	15.2	6-18	C. B. Ham	.0
12-21	K. S. Essex	10.9	6-29	K. S. Essex	.0
1-20	C. B. Ham	3.1	7- 8	L. J. Glasier	.0
1-25	K. S. Essex	2.5	7-29	K. S. Essex	129.0
2- 8	C. B. Ham	73.6	8- 6	L. J. Glasier	.0
2-21	K. S. Essex	46.1	8-21	K. S. Essex	.0
3- 5	C. B. Ham	105.0	9- 3	L. J. Glasier	.5
3-15	K. S. Essex	125.0			
REPUBLICAN RIVER					
Max—Sec. 32-2-36 W.					
10-10	C. B. Ham	32.9	4- 1	K. S. Essex	151.0
10-24	do	40.2	4-12	C. B. Ham	127.0
11- 1	K. S. Essex	46.6	5- 3	K. S. Essex	86.2
11- 7	Glasier-Sawyer	54.9	5- 7	C. B. Ham	53.0
11-23	K. S. Essex	87.8	5-30	K. S. Essex	50.2
12-21	do	71.6	6-18	C. B. Ham	35.2
1-19	C. B. Ham	61.4	6-29	K. S. Essex	.1
1-25	K. S. Essex	35.9	7- 8	L. J. Glasier	2.1
2- 7	C. B. Ham	377.0	7-29	K. S. Essex	156.0
2-21	K. S. Essex	187.0	8- 6	L. J. Glasier	.0
3- 4	C. B. Ham	345.0	8-21	K. S. Essex	.0
3-13	K. S. Essex	134.1	9- 3	L. J. Glasier	.8
REPUBLICAN RIVER					
Culbertson—Secs. 17 and 20-3-31 W.					
10-10	K. S. Essex	0.0	4-14	C. B. Ham	137.0
10-10	C. B. Ham	.0	5- 1	Essex-Glasier	103.0
10-24	do	1.0	5- 7	C. B. Ham	58.4
11- 1	K. S. Essex	18.3	5-29	K. S. Essex	54.1
11- 7	Glasier-Sawyer	38.3	6-18	C. B. Ham	32.6
11-23	K. S. Essex	69.3	6-28	K. S. Essex	.0
12-20	do	70.3	7- 9	L. J. Glasier	.0
1-18	C. B. Ham	42.9	7-28	K. S. Essex	362.0
2- 9	do	307.0	8- 6	L. J. Glasier	.0
2-22	K. S. Essex	217.8	8-21	K. S. Essex	.0
3- 4	C. B. Ham	493.0	9- 3	L. J. Glasier	.0
3-13	K. S. Essex	139.0	9-29	K. S. Essex	25.9
3-31	do	172.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
REPUBLICAN RIVER					
McCook—Sec. 32-3-29 W.					
10-10	K. S. Essex	0.0	3-14	K. S. Essex	384.1
11- 1	do	30.4	4- 4	do	380.7
11-24	do	80.9	5- 3	do	241.6
12-21	do	271.5	6-28	do	10.0
2-22	do	541.3	8-22	do	.0
REPUBLICAN RIVER					
Bloomington—Sec. 8-1-15 W.					
10-11	C. B. Ham	13.1	5- 9	C. B. Ham	252.0
11- 8	Glasier-Sawyer	38.4	6-17	do	668.0
1-16	C. B. Ham	142.0	7-10	L. J. Glasier	122.0
2-10	do	224.0	7-16	do	1400.0
3- 6	do	900.0	8- 8	do	225.0
4-11	do	401.0	9- 4	do	78.9
REPUBLICAN RIVER					
Hardy—Sec. 6-18-5 W.					
10-19	C. B. Ham	14.0	6-11	C. B. Ham	3720.0
11-14	L. J. Glasier	89.1	7- 3	do	2110.0
1-16	C. B. Ham	124.0	7-18	L. J. Glasier	1050.0
2-14	do	237.0	7-30	L. F. Hanks	1680.0
3- 7	do	1130.0	8-16	L. J. Glasier	425.0
4-24	do	435.0	9-18	do	28.9
5-13	Ham-Carstens	301.0			
RICHMAN CREEK					
Riverview—North Line of Sec. 22-32-20 W.					
6- 1	C. H. Carstens	0.1	9-17	C. H. Carstens	0.0
ROCK CREEK					
Parks—Sec. 21-1-39 W.					
10-11	K. S. Essex	14.9	4- 1	K. S. Essex	15.0
11- 2	do	14.1	5-31	do	13.7
12-22	do	13.8	6-29	do	12.5
1-25	do	9.9	7-29	do	13.2
2-23	do	15.2	8-21	do	8.6
3-14	do	15.4			
ROCK CREEK					
Meadville—Sec. 12-32-22 W.					
6- 2	C. H. Carstens	0.3	9-17	C. H. Carstens	0.2
ROCK CREEK					
Mariaville—Sec. 29-32-18 W.					
6- 2	C. H. Carstens	2.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
ROCK CREEK					
Beemer—Sec. 4-22-5 E.					
5-24	C. H. Carstens	8.5	8-29	C. H. Carstens	7.9
7- 9	do	8.4	9-20	do	6.2
8- 9	do	8.0			
ROCK CREEK					
Greenwood—Sec. 35-12-8 E.					
8-28	C. H. Carstens	4.7	9-21	C. H. Carstens	2.3
ROCK CREEK					
Auburn—Sec. 29-6-14 E.					
5-17	C. H. Carstens	0.4	7-17	C. H. Carstens	0.4
6-18	do	.9	9-22	do	.6
ROCK CREEK					
Salem—North Line of Sec. 20-1-15 E.					
5-16	C. H. Carstens	0.5	6-19	C. H. Carstens	0.1
ROSE CREEK					
Endicott—North Line of Sec. 8-1-3 E.					
6-21	C. H. Carstens	1.5	8-24	C. H. Carstens	1.1
7-18	do	1.6			
ROUND GROVE CREEK					
Humboldt—North Line of Sec. 6-2-13 E.					
5-17	C. H. Carstens	0.1	7-18	C. H. Carstens	0.0
RUSSELL CREEK					
Unadilla—East Line of Sec. 10-8-10 E.					
6-18	C. H. Carstens	0.0			
SALT CREEK					
Ashland—West Line of Sec. 10-12-9 E.					
7-16	C. H. Carstens	30.6	8-28	C. H. Carstens	69.8
8- 8	do	67.0	9-21	do	24.0
SAND CREEK					
Sec. 10-15-40 W.					
10-12	Fred Hervert	0.8	5-28	Fred Hervert	1.2
12-12	do	.7	6-19	do	1.6
1-10	do	3.7	6-26	do	3.2
2-21	do	4.0	8-15	do	3.7
3-18	do	4.6	8-20	do	3.2
4- 9	do	3.9	8-28	do	3.8
4-24	do	5.8	9-10	do	3.1
5- 9	do	.9			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SAND CREEK					
Callaway—North Line of Sec. 12-15-23 W.					
5- 2	C. H. Carstens	1.2	7-22	C. H. Carstens	0.5
5-28	do	.9	8-14	do	.9
6-26	do	1.0	9- 7	do	.8
SAND CREEK					
Redbird—Sec. 7-32-9 W.					
6- 3	C. H. Carstens	0.2			
SAND CREEK					
Wahoo—South Line of Sec. 2-14-7 E.					
7-16	C. H. Carstens	0.8			
SANDY CREEK, BIG					
Butte—Sec. 12-33-14 W.					
6- 3	C. H. Carstens	25.4	9-18	C. H. Carstens	17.8
SANDY CREEK, BIG					
Powell—North Line of Sec. 21-3-1 E.					
6-21	C. H. Carstens	22.8	8-23	C. H. Carstens	21.7
7-18	do	20.6	9-23	do	23.6
8- 5	do	55.5			
SANDY CREEK, LITTLE					
Butte—Sec. 18-33-13 W.					
6- 3	C. H. Carstens	2.0	9-15	C. H. Carstens	2.2
SANDY CREEK, LITTLE					
Powell—North Line of Sec. 19-3-2 E.					
6-21	C. H. Carstens	54.2	8-23	C. H. Carstens	0.0
7-18	do	.0			
SAPPA CREEK					
Beaver City—Sec. 14-1-23 W.					
10-11	C. B. Ham	0.0	6-17	C. B. Ham	0.0
11- 8	Glasier-Sawyer	.0	7- 9	L. J. Glasier	.1
1-17	C. B. Ham	.0	7-28	do	1540.0
2-10	do	.0	9-29	do	1250.0
3- 6	do	9.9	7-29	do	939.0
4-11	do	.6	8- 5	do	30.3
5- 8	do	.0	9- 4	do	1.0
SARBEN SLOUGH					
Sec. 20-14-35 W.					
10-12	Fred Hervert	2.1	5-23	Fred Hervert	2.6
12-12	do	2.5	6-18	do	1.2
3-31	do	3.7	6-25	do	1.2
4-23	do	2.8	8-21	do	.9
5- 8	do	1.7	9-11	do	1.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
------	--------------	-----------------------	------	--------------	-----------------------

SCHLAGEL CREEK
 Sec. 24-33-28 W.

5-18	K. S. Essex	10.4	9- 3	K. S. Essex	8.8
6-16	do	9.3			

SCOTTSBLUFF DRAIN NO. 1
 Sec. 25-22-55 W.

10-12	H. P. Eisenhuth	8.2	5-14	H. P. Eisenhuth	4.7
10-26	do	8.1	5-22	do	5.4
11- 2	do	6.4	6- 5	do	5.7
11-15	do	10.8	6-13	do	6.5
12- 1	do	10.6	6-19	do	.4
1-11	do	6.9	7- 3	do	4.5
2- 3	do	7.6	7-17	do	8.9
3- 5	do	6.7	8- 7	do	6.9
3-15	do	6.2	8-22	do	9.9
4- 2	do	5.4	9- 4	do	14.3
4-17	do	5.7	9-18	do	6.8
5- 2	do	5.1			

SCOTTSBLUFF DRAIN NO. 2
 Sec. 34-22-54 W.

10- 4	H. P. Eisenhuth	8.2	5- 2	H. P. Eisenhuth	3.9
10-25	do	6.7	5-14	do	2.2
11- 2	do	5.6	6- 5	do	7.2
11-15	do	4.3	6-19	do	2.5
12- 1	do	3.7	7- 2	do	3.4
1-11	do	3.6	7-17	do	3.7
2- 3	do	2.9	7-30	do	2.6
3- 5	do	3.9	8-14	do	5.2
3-15	do	3.3	8-27	do	4.7
4- 2	do	2.9	9-11	do	11.1
4-17	do	3.5	9-25	do	5.3

SCOUT CREEK
 North Platte—Sec. 20-14-30 W.

10- 7	Fred Hervert	22.3	6- 4	Fred Hervert	17.1
10-21	do	5.9	6-17	do	6.4
11- 5	do	.3	6-25	do	.4
3-23	do	.1	7- 9	do	2.3
4- 4	do	.1	8-10	do	.6
4-21	do	.1	8-22	do	.6
5- 7	do	9.0	8-30	do	1.4
5-24	do	12.3	9-12	do	4.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SHEEP CREEK					
Sec. 16-23-57 W.					
10- 5	H. P. Eisenhuth	11.0	5- 7	H. P. Eisenhuth	16.7
10-26	do	72.7	5- 7	do	12.0
11- 2	do	76.6	5-10	do	8.3
11-16	do	67.6	5-16	do	7.7
12- 8	do	67.0	5-23	do	9.2
12-19	do	61.8	6- 7	do	52.8
1-12	do	61.0	6-13	do	6.6
1-24	do	57.4	6-20	do	11.0
2- 2	do	60.3	7- 4	do	12.0
2-19	do	57.2	7-18	do	2.6
3- 2	do	59.0	8- 2	do	3.4
3-16	do	57.8	8- 8	do	2.3
3-26	do	55.5	8-15	do	2.4
4- 3	do	56.8	8-28	do	2.0
4-16	do	66.4	9-12	do	11.5
5- 2	do	53.0	9-26	do	2.3
SHELL CREEK					
Platte Center—Sec. 13-18-2 W.					
5-23	C. H. Carstens	8.7	7- 8	C. H. Carstens	7.9
SHELL CREEK					
Schuyler—South Line of Sec. 1-17-3 E.					
7- 8	C. H. Carstens	12.9			
SHEPHERD CREEK					
North Loup—Sec. 30-18-12 W.					
5-10	C. H. Carstens	0.0			
SILVER CREEK					
Silver Creek—Sec. 33-16-3 W.					
5- 6	C. H. Carstens	0.7	7- 8	C. H. Carstens	0.5
SILVER CREEK					
Ithaca—South Line of Sec. 27-14-8 E.					
7-16	C. H. Carstens	0.6			
SILVER CREEK					
Palmyra—Sec. 2-8-9 E.					
6-18	C. H. Carstens	0.1			
SILVERNAIL DRAIN					
Sec. 6-19-49 W.					
10-10	Fred Hervert	7.0	5-19	A. W. Hall	3.5
10-30	do	6.8	6-10	do	3.6
12- 1	do	6.1	6-28	Fred Hervert	3.1
1- 2	do	6.2	8-13	A. W. Hall	2.7
2-15	do	5.1	9- 9	Fred Hervert	3.5
3-16	do	4.9	9-23	do	3.4
4-15	do	4.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SKUNK CREEK					
Sec. 1-14-37 W.					
6-25	Fred Hervert	0.8	9-11	Fred Hervert	0.1
8-21	do	.9			
SLEEPY HOLLOW CREEK					
Beaver Crossing—North Line of Sec. 32-10-1 E.					
5-14	C. H. Carstens	0.0	6-17	C. H. Carstens	0.0
SMITH CREEK					
Endicott—Sec. 5-1-3 E.					
6-21	C. H. Carstens	0.0			
SNAKE CREEK					
Hoag—East Line of Sec. 1-4-5 E.					
5-15	C. H. Carstens	0.0			
SNAKE RIVER					
Five Miles Above Falls—Sec. 29-31-30 W.					
10-18	K. S. Essex	228.4	5-18	K. S. Essex	252.0
12-15	do	230.0	6-15	do	231.2
3-26	do	259.0	7-10	do	215.5
4-19	do	302.3	8-15	do	229.5
SOAP CREEK					
Hoag—North Line of Sec. 34-5-5 E.					
5-15	C. H. Carstens	0.0			
SOLDIER CREEK					
Below Soldier Creek Canal—Sec. 18-31-52 W.					
12-12	K. S. Essex	0.0	2-28	K. S. Essex	0.2
SOW BELLY CREEK					
Sec. 5-32-55 W.					
10-15	K. S. Essex	2.1	5-21	K. S. Essex	0.1
SPOTTED TAIL CREEK, DRY					
Sec. 28-23-56 W.					
10-13	H. P. Eisenhuth	31.3	5-15	H. P. Eisenhuth	76.0
10-26	do	24.3	5-17	do	13.8
11- 2	do	24.5	5-23	do	13.8
11-16	do	21.5	6-13	do	18.0
12- 8	do	25.3	6-20	do	12.0
1-11	do	23.5	7- 4	do	10.6
2- 2	do	22.0	7-18	do	6.2
3- 2	do	21.0	8- 8	do	4.9
3-16	do	21.2	8-21	do	6.2
4- 3	do	21.6	9- 5	do	4.6
4-17	do	27.6	9-19	do	3.6
5- 2	do	19.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SPOTTED TAIL CREEK, WET					
Sec. 6-22-55 W.					
10-13	H. P. Eisenhuth	16.8	5- 2	H. P. Eisenhuth	11.7
10-26	do	17.6	5-15	do	10.1
11- 2	do	16.8	6- 6	do	17.5
11-16	do	16.2	6-20	do	13.3
12- 4	do	15.0	6-27	do	11.8
1-11	do	16.5	7-11	do	13.1
2- 2	do	15.1	7-23	do	11.6
3- 2	do	14.7	8- 7	do	9.8
3-16	do	14.3	8-22	do	11.3
4- 3	do	12.8	9- 4	do	13.1
4-17	do	14.1	9-18	do	13.6
SPRING CREEK					
Wyoming-Nebraska Line—Sec. 4-23-58 W.					
10- 5	H. P. Eisenhuth	9.8	5-16	H. P. Eisenhuth	10.7
10-27	do	9.4	5-24	do	10.6
11- 4	do	9.0	6- 7	do	10.0
11-16	do	8.3	6-21	do	8.3
12- 8	do	8.1	7- 4	do	8.0
1-12	do	8.2	7-19	do	9.0
2- 1	do	8.1	8- 2	do	7.7
3- 1	do	8.8	8-15	do	7.1
3-16	do	8.2	8-30	do	7.8
4- 3	do	8.0	9-12	do	7.8
4-16	do	11.1	9-26	do	8.6
5- 3	do	8.3			
SPRING CREEK					
Tributary to Little Cottonwood Creek—Sec. 13-32-52 W.					
10-14	K. S. Essex	0.0	4-24	K. S. Essex	0.7
11- 8	do	.1	5-15	do	.1
12-12	do	.1	6-18	do	.1
2- 6	do	.2	7-15	do	.1
2-27	do	1.0	8-10	do	.0
3-19	do	1.1	9- 5	do	.0
SPRING CREEK					
Sumter—Sec. 21-19-13 W.					
5-10	C. H. Carstens	0.2	7- 2	C. H. Carstens	0.4
SPRING CREEK					
Hebron—East Line of Sec. 12-2-3 W.					
6-21	C. H. Carstens	0.0			
SPRING CREEK					
Talmage—North Line of Sec. 33-7-12 E.					
5-17	C. H. Carstens	0.1	7-17	C. H. Carstens	0.0
6-18	do	.1	9-22	do	.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SQUAW CREEK					
Below Shepherd Canal—Sec. 36-34-57 W.					
5-21	K. S. Essex	0.0			
SQUAW CREEK					
Above McDowell's Reservoir—Sec. 12-31-52 W.					
10-14	K. S. Essex	0.0	5-15	K. S. Essex	0.2
12-12	do	.0	7-15	do	.0
3-19	do	.3	8-10	do	.0
SQUAW CREEK					
Below McDowell's Reservoir—Sec. 1-31-52 W.					
10-14	K. S. Essex	0.1	5-15	K. S. Essex	0.1
12-12	do	.2	7-15	do	.1
3-19	do	.1	8-10	do	.1
SQUAW CREEK					
Pishelville—Sec. 7-32-8 W.					
6- 3	C. H. Carstens	0.6	9-18	C. H. Carstens	0.0
SQUAW CREEK					
Crete—Sec. 15-7-4 E.					
5-15	C. H. Carstens	0.6			
STEELE CREEK					
Pishelville—East Line of Sec. 18-32-8 W.					
6- 3	C. H. Carstens	8.6	9-18	C. H. Carstens	4.1
STINKING WATER CREEK					
Palisade—Sec. 25-5-34 W.					
10- 9	K. S. Essex	15.0	4- 3	K. S. Essex	37.2
10-31	do	21.8	5- 2	do	28.3
11-22	do	26.0	5-29	do	22.0
12-20	do	27.0	6-27	do	19.9
1-23	do	20.5	7-31	do	18.6
2-20	do	51.7	8-23	Essex-Geilach	9.9
3-12	do	44.8	9-21	do	15.8
STREVER CREEK					
South of Josselyn—Sec. 20-9-20 W.					
5- 5	Fred Hervert	13.5	8- 3	Fred Hervert	43.0
5-26	do	13.3	8- 7	do	34.4
6- 3	do	.8			
STREVER CREEK					
Below Outlet of Berquist and Beatty Lateral—Sec. 21-9-20 W.					
5- 5	Fred Hervert	21.4	8- 3	Fred Hervert	62.9
5-26	do	24.7	8- 7	do	48.4
6- 3	do	.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
STREVER CREEK					
South of Overton—Sec. 1-8-20 W.					
10-31	Fred Hervert	4.8	7- 4	Fred Hervert	0.0
12-10	do	5.8	7-10	do	11.7
2-26	do	6.7	7-11	do	41.3
3-21	do	8.6	7-17	do	20.3
4- 7	do	21.5	7-25	do	25.8
4-18	do	23.0	7-29	do	50.5
5- 5	do	25.6	8- 2	do	53.6
5-17	do	14.4	8- 8	do	53.0
5-26	do	28.0	8-11	do	14.2
6- 3	do	3.1	8-23	do	.0
6-14	do	38.4	9- 1	do	.0
6-23	do	2.8			
TEMPLE CREEK					
Verdon—South Line of Sec. 10-2-16 E.					
7-18	C. H. Carstens	0.1			
THAWES CREEK					
Oak—North Line of Sec. 26-3-5 W.					
6-22	C. H. Carstens	0.0			
THIRTY-TWO MILE CREEK					
Ayr—North Line of Sec. 26-6-10 W.					
6-22	C. H. Carstens	0.0			
THOMAS CREEK					
Riverview—Sec. 20-32-20 W.					
6- 1	C. H. Carstens	0.8	9-17	C. H. Carstens	0.2
TIMBER CREEK					
Belgrade—Sec. 30-17-6 W.					
8- 1	C. H. Carstens	0.6	8-31	C. H. Carstens	0.2
TRUNK BUTTE CREEK					
Sec. 25-33-50 W.					
10-14	K. S. Essex	0.0	5-15	K. S. Essex	0.2
11- 8	do	.1	6-19	do	.0
12-12	do	.2	7-16	do	.0
TUB SPRINGS					
Above Enterprise Canal—Sec. 33-23-55 W.					
10-12	H. P. Eisenhuth	65.5	7-11	H. P. Eisenhuth	24.3
11- 2	do	6.7	7-23	do	25.5
11-16	do	15.0	8- 7	do	21.9
5-15	do	.0	8-14	do	20.0
5-22	do	17.0	8-27	do	31.1
6-12	do	23.7	9-12	do	25.9
6-20	do	22.6	9-25	do	24.6
6-27	do	22.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
TUB SPRINGS					
Below Enterprise Canal—Sec. 32-23-55 W.					
10-12	H. P. Eisenhuth	105.2	6-12	H. P. Eisenhuth	42.7
5-22	do	1.0	6-20	do	1.8
TUB SPRINGS					
Sec. 8-22-55 W.					
10-12	H. P. Eisenhuth	112.0	5-15	H. P. Eisenhuth	17.8
10-26	do	14.5	5-22	do	2.1
11- 2	do	28.6	6-12	do	47.7
11-16	do	13.2	6-20	do	3.9
12- 4	do	28.8	6-27	do	4.4
1-11	do	35.4	7-11	do	4.4
2- 3	do	35.2	7-18	do	47.1
3- 2	do	31.9	7-23	do	4.9
3-16	do	31.2	8- 7	do	3.1
4- 3	do	25.8	8-14	do	3.9
4-17	do	29.9	8-27	do	3.0
5- 2	do	26.2	9-12	do	67.9
5-10	do	19.0	9-25	do	52.9
TURKEY CREEK					
Meadville—South Line of Sec. 36-33-23 W.					
6- 2	C. H. Carstens	1.3	9-18	C. H. Carstens	1.1
TURKEY CREEK					
Spencer—East Line of Sec. 29-33-12 W.					
6- 3	C. H. Carstens	2.4	9-18	C. H. Carstens	1.2
TURKEY CREEK					
Dannebrog—West Line of Sec. 26-14-11 W.					
4-29	C. H. Carstens	0.0	5-27	C. H. Carstens	0.0
TURKEY CREEK					
Newcastle—Sec. 36-32-4 E.					
7-10	C. H. Carstens	0.1			
TURKEY CREEK					
Dewitt—Sec. 24-5-4 E.					
5-15	C. H. Carstens	15.8	8- 6	C. H. Carstens	16.3
6-20	do	114.0	8-24	do	13.2
7-18	do	12.6			
TURKEY CREEK					
Pawnee City—Sec. 26-2-11 E.					
5-16	C. H. Carstens	0.0			
TURTLE CREEK					
Elyria—Sec. 31-20-14 W.					
7- 2	C. H. Carstens	7.9	8-19	C. H. Carstens	1.0
7-25	do	1.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
TURTLE CREEK					
Oak—North Line of Sec. 21-3-5 W.					
6-22	C. H. Carstens	0.0			
UNION CREEK					
Stanton—West Line of Sec. 1-22-1 E.					
5-24	C. H. Carstens	18.3	8-29	C. H. Carstens	15.3
7- 9	do	21.4	9-20	do	13.4
8- 9	do	15.6			
VERDIGRIS CREEK					
Niobrara—Sec. 5-31-6 W.					
7-11	C. H. Carstens	24.1	9-19	C. H. Carstens	22.8
8-10	do	28.1			
VICTORIA CREEK					
Gates—East Line of Sec. 2-19-21 W.					
7-23	C. H. Carstens	3.1	9- 7	C. H. Carstens	3.5
8-14	do	3.5			
VICTORIA CREEK					
Gates—Sec. 10-19-21 W.					
5- 2	C. H. Carstens	3.0	6-26	C. H. Carstens	3.4
5-30	do	4.4	7-23	do	2.4
VICTORIA CREEK					
Below McGraw Dam—Sec. 6-19-20 W.					
5-30	C. H. Carstens	0.7	8-14	C. H. Carstens	0.1
6-26	do	1.6	9- 7	do	.2
7-23	do	.2			
VINING CREEK					
Above James' Reservoir—Sec. 23-2-15 W.					
2- 7	Fred Hervert	0.4	7-25	K. S. Essex	0.1
VINING CREEK					
Below James' Reservoir—Sec. 23-2-15 W.					
2- 7	Fred Hervert	0.4	7-25	K. S. Essex	0.1
VINING CREEK					
Below Highway No. 3—Sec. 33-2-15 W.					
2- 7	Fred Hervert	0.1			
VINING CREEK					
South Line of Sec. 34-2-15 W.					
2- 7	Fred Hervert	0.3			
WAGNER CREEK					
Comstock—East Line of Sec. 4-18-17 W.					
8-16	C. H. Carstens	0.0	9- 9	C. H. Carstens	0.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WAHOO CREEK					
Wahoo—West Line of Sec. 8-14-7 E.					
7-16	C. H. Carstens	0.6			
WAHOO CREEK					
Ashland—West Line of Sec. 36-13-9 E.					
7-16	C. H. Carstens	10.7	8-28	C. H. Carstens	26.0
8- 8	do	19.8	9-21	do	11.9
WALLACE CREEK					
Scotia—South Line of Sec. 3-17-12 W.					
5-10	C. H. Carstens	0.0	8-19	C. H. Carstens	0.1
7- 2	do	.1			
WALNUT CREEK					
Beaver Crossing—South Line of Sec. 5-9-2 E.					
5-14	C. H. Carstens	0.1	7-15	C. H. Carstens	0.1
6-17	do	.2			
WALNUT CREEK					
Maskell—Sec. 34-32-4 E.					
7-10	C. H. Carstens	0.1			
WARBONNET CREEK					
Below Warbonnet Canal—Sec. 20-33-56 W.					
10-15	K. S. Essex	0.1	7-13	Essex-Rasmussen	0.2
WEEPING WATER CREEK					
Union—West Line of Sec. 36-10-13 E.					
6-18	C. H. Carstens	0.2	8-26	C. H. Carstens	170.0
7-17	do	.1	9-22	do	.3
8- 7	do	4.9			
WENTWORTH CREEK					
Riverview—Sec. 24-32-20 W.					
6- 1	C. H. Carstens	0.0	9-17	C. H. Carstens	0.0
WHITE CLAY CREEK					
Crawford—Sec. 2-31-52 W.					
10-14	K. S. Essex	0.2	5-15	K. S. Essex	1.6
12-12	do	1.4	7-15	do	1.0
3-19	do	3.6	8-10	do	.9
WHITE CLAY CREEK					
Above Junction with Larabee Creek—Sec. 6-34-44 W.					
10-17	K. S. Essex	2.3	5-20	K. S. Essex	2.4
12-14	do	2.7	6-17	do	1.1
2- 7	do	3.3	8-14	do	.9
2-29	do	5.4	9- 4	do	1.1
3-27	do	2.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WHITE HORSE CREEK					
Gannett—Sec. 5-13-29 W.					
11- 3	Fred Hervert	5.0	6- 4	Fred Hervert	3.4
12-11	do	7.8	6-24	do	.6
2-24	do	17.0	7- 3	do	.8
3-23	do	17.3	7-12	do	.3
4- 4	do	14.1	7-27	do	.1
4-21	do	13.3	8-24	do	.2
5- 6	do	8.4	9- 1	do	.2
5-25	do	5.5	9-20	do	.4
WHITE RIVER					
Crawford—Sec. 9-31-52 W.					
10-14	K. S. Essex	16.3	4-24	K. S. Essex	24.1
11- 8	do	17.3	5-15	do	19.9
12-12	do	19.0	6-18	do	11.5
1-17	do	20.7	7-15	do	8.0
2- 6	do	21.4	8-10	do	6.8
2-27	do	31.3	9- 5	do	8.3
3-19	do	22.2			
WHITE RIVER					
Above Whitney Diversion—Sec. 26-32-52 W.					
11- 8	K. S. Essex	6.0	4-24	K. S. Essex	24.7
12-12	do	16.0	5-15	do	22.1
1-17	do	20.5	6-18	do	7.6
2- 6	do	23.3	7-15	do	8.9
2-27	do	29.2	8-10	do	7.4
3-19	do	24.6	9- 5	do	9.2
WHITE RIVER					
Below Harris-Cooper Canal—Sec. 26-32-52 W.					
10-14	K. S. Essex	6.2			
WHITE RIVER					
Sec. 19-32-51 W.					
10-14	K. S. Essex	6.3	4-24	K. S. Essex	1.0
11- 8	do	1.6	5-15	do	1.2
12-12	do	6.4	6-18	do	.2
1-17	do	.9	7-15	do	9.3
2-27	do	.4	8-10	do	1.3
3-19	do	1.2	9- 5	do	1.3
WHITE RIVER					
Six Miles West of Chadron—Sec. 18-33-49 W.					
10-14	K. S. Essex	1.9	4-22	K. S. Essex	19.6
11- 8	do	3.1	5-14	do	12.3
12-12	do	4.4	6-18	do	2.4
12-16	do	8.2	7-12	do	.2
1-17	do	4.3	8-10	do	2.2
2- 6	do	9.9	9- 6	do	925.0
3-19	do	32.9			

DISCHARGE MEASUREMENTS OF STREAMS—Concluded
Year Ending September 30, 1940

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WHITE TAIL CREEK					
Sec. 36-15-38 W.					
10-12	Fred Hervert	27.0	5-23	Fred Hervert	25.4
11-28	do	28.5	6-18	do	16.0
12-12	do	26.8	6-26	do	25.8
2-21	do	26.4	7- 7	do	22.6
3-23	do	30.1	8-14	do	24.1
3-31	do	26.1	8-21	do	25.6
4-23	do	28.3	8-29	do	27.2
5- 9	do	25.0	9-11	do	25.2
WIGGLE CREEK					
Callaway—East Line of Sec. 3-15-23 W.					
9- 6	C. H. Carstens	0.5			
WILSON CREEK					
Dunbar—South Line of Sec. 12-8-12 E.					
6-18	C. H. Carstens	0.0			
WINTERS CREEK					
Scottsbluff—Sec. 30-22-54 W.					
10- 4	H. P. Eisenhuth	96.4	5-14	H. P. Eisenhuth	41.4
10-25	do	72.2	5-17	do	18.4
11- 2	do	62.5	5-22	do	3.9
11-15	do	64.8	6- 5	do	43.6
12- 1	do	66.8	6- 6	do	120.0
12-18	do	61.9	6-13	do	61.3
1-11	do	58.5	6-19	do	5.2
1-25	do	56.0	7- 2	do	40.6
2- 3	do	56.1	7-10	do	7.1
2-20	do	56.6	7-17	do	39.3
3- 5	do	50.7	7-30	do	6.9
3-15	do	50.7	8- 7	do	21.2
3-26	do	49.7	8-14	do	5.7
4- 2	do	45.5	8-22	do	21.1
4-17	do	49.9	9- 4	do	42.5
5- 2	do	45.0	9-18	do	48.2
WOLF CREEK					
Milford—West Line of Sec. 36-10-3 E.					
6-17	C. H. Carstens	0.0	7-15	C. H. Carstens	0.0
WOLF CREEK					
Barnston—Sec. 31-2-8 E.					
5-15	C. H. Carstens	0.0			
WOOD RIVER					
Grand Island—Sec. 29-11-9 W.					
6-13	C. B. Ham	253.0			
WYMAN CREEK					
Riverview—Sec. 19-32-19 W.					
6- 2	C. H. Carstens	0.0	9-17	C. H. Carstens	0.0

**SAND HILL LAKES
RECORDS SHOWING RISE AND FALL OF
WATER SURFACE**

Year Ending September 30, 1939

Date	Observer	Sea Level Elevations	Date	Observer	Sea Level Elevations
BEAN LAKE					
10- 3	U. S. Biological Survey	3827.5	10-19	U. S. Biological Survey	3827.5
10-10	do	3827.5	11-16	do	3827.6
BLUE LAKE Sec. 18-20-44 W.					
10- 3	U. S. Biological Survey	3783.2	8-12	U. S. Biological Survey	3782.9
10-18	do	3783.1	8-21	do	3782.9
10-25	do	3783.1	8-30	do	3782.9
11-16	do	3783.2	9- 6	do	3782.8
7-10	do	3783.5	9-14	do	3782.7
7-20	do	3783.4	9-29	do	3782.7
7-28	do	3783.2			
CRANE LAKE Sec. 10-20-44 W.					
10- 4	U. S. Biological Survey	3785.9	7-28	U. S. Biological Survey	3785.9
10-12	do	3785.8	8-10	do	3785.8
10-26	do	3785.7	8-31	do	3785.5
11-16	do	3785.8	9-15	do	3785.4
7- 9	do	3786.5	9-22	do	3785.3
7-20	do	3786.0			
CRESCENT LAKE Sec. 21-20-44 W.					
10- 3	U. S. Biological Survey	3776.9	7-22	U. S. Biological Survey	3777.6
10-12	do	3776.9	7-24	do	3777.5
10-26	do	3776.8	7-29	do	3777.5
11-10	do	3776.9	8-10	do	3777.4
7-11	do	3777.9	8-22	do	3777.2
7-20	do	3777.7	8-31	do	3776.9
7-21	do	3777.7			
DEER LAKE					
10- 4	U. S. Biological Survey	3799.3	10-26	U. S. Biological Survey	3799.2
10-11	do	3799.4	11-10	do	3799.4
10-17	do	3799.2	7-10	do	3799.5
GIMLET LAKE Sec. 32-21-44 W.					
10-10	U. S. Biological Survey	3807.0	8-21	U. S. Biological Survey	3806.7
10-26	do	3806.8	8-30	do	3806.6
11-10	do	3807.1	9- 6	do	3806.4
7- 9	do	3807.5	9-15	do	3806.3
7-21	do	3807.0	9-22	do	3806.2
7-28	do	3807.0	9-29	do	3806.0
8-10	do	3806.9			

SAND HILL LAKES—Continued
Year Ending September 30, 1939

Date	Observer	Sea Level Elevations	Date	Observer	Sea Level Elevations
GOOSE LAKE Sec. 19-21-44 W.					
10- 4	U. S. Biological Survey	3822.5	8-10	U. S. Biological Survey	3823.0
10-19	do	3822.4	8-21	do	3822.8
11-10	do	3822.1	8-30	do	3822.7
7- 9	do	3823.6	9- 6	do	3822.6
7-20	do	3823.3	9-14	do	3822.5
7-28	do	3823.2	9-22	do	3822.6
HACKBERRY LAKE Sec. 1-20-45 W.					
10- 3	U. S. Biological Survey	3790.3	8-12	U. S. Biological Survey	3790.5
10-10	do	3790.4	8-21	do	3790.4
10-18	do	3790.3	8-30	do	3789.9
10-25	do	3790.3	9- 6	do	3789.9
11-10	do	3790.4	9-14	do	3789.9
7-10	do	3790.7	9-22	do	3789.9
7-20	do	3790.4	9-29	do	3789.9
7-28	do	3790.6			
HARRISON LAKE					
10- 3	U. S. Biological Survey	3814.0	8-12	U. S. Biological Survey	3813.4
10-19	do	3813.8	8-21	do	3813.5
10-25	do	3813.8	8-30	do	3813.2
11-16	do	3813.8	9- 6	do	3813.0
7-12	do	3814.2	9-14	do	3812.9
7-20	do	3814.0	9-22	do	3812.8
7-28	do	3813.9	9-29	do	3812.8
ISLAND LAKE Sec. 4-20-44 W.					
10-26	U. S. Biological Survey	3789.7	8-21	U. S. Biological Survey	3788.6
11-10	do	3789.7	8-31	do	3788.5
7-11	do	3789.4	9-15	do	3788.2
7-20	do	3789.0	9-22	do	3788.0
7-30	do	3788.9	9-30	do	3787.9
8-10	do	3788.8			
JONES LAKE Sec. 10-20-45 W.					
10-11	U. S. Biological Survey	3797.9	7-25	U. S. Biological Survey	3797.2
10-17	do	3797.8	7-30	do	3797.9
10-26	do	3797.8	8-16	do	3796.8
11-10	do	3797.7	8-22	do	3796.7
7-10	do	3797.9	8-31	do	Dry at Gage

SAND HILL LAKES—Concluded
Year Ending September 30, 1939

Date	Observer	Sea Level Elevations	Date	Observer	Sea Level Elevations
ROUNDUP LAKE					
Sec. 33-21-44 W.					
10- 4	U. S. Biological Survey	3800.2	8-10	U. S. Biological Survey	3800.2
10-11	do	3800.1	8-22	do	3800.1
10-13	do	3800.0	8-30	do	3800.0
10-26	do	3800.0	9- 6	do	3799.9
11-10	do	3800.1	9-15	do	3799.7
7-11	do	3800.9	9-22	do	3799.6
7-21	do	3800.5	9-30	do	3799.6
7-28	do	3800.4			
RUSH LAKE					
Sec. 24-21-45 W.					
10-10	U. S. Biological Survey	3832.3	7-28	U. S. Biological Survey	3832.5
10-19	do	3832.2	8-10	do	3832.2
10-25	do	3832.2	8-21	do	3832.0
6- 9	do	3832.9	8-30	do	3831.8
7-12	do	3832.8	9- 6	do	Dry at Gage
7-21	do	3832.7			
SMITH LAKE					
0-10	U. S. Biological Survey	3834.6	8-12	U. S. Biological Survey	3834.7
10-19	do	3834.5	8-21	do	3834.4
10-25	do	3834.5	8-30	do	3834.3
11-16	do	3834.5	9- 6	do	3834.0
7-12	do	3835.5	9-14	do	3833.9
7-20	do	3835.2	9-22	do	3833.9
7-28	do	3834.8	9-29	do	3833.8
SWAN LAKE					
Secs. 9 and 10-20-45 W.					
10- 3	U. S. Biological Survey	3801.7	8-12	U. S. Biological Survey	3801.7
10-10	do	3801.8	8-21	do	3801.6
10-18	do	3801.7	8-30	do	3801.5
10-25	do	3801.7	9- 6	do	3801.4
11-16	do	3801.7	9-14	do	3801.3
7-10	do	3802.1	9-22	do	3801.2
7-20	do	3801.9	9-29	do	3801.1
7-28	do	3801.8			

**SAND HILL LAKES
RECORDS SHOWING RISE AND FALL OF
WATER SURFACE**

Year Ending September 30, 1940

Date	Observer	Sea Level Elevations	Date	Observer	Sea Level Elevations
------	----------	----------------------	------	----------	----------------------

**BLUE LAKE
Sec. 18-20-44 W.**

10- 6	U. S. Biological Survey	3782.7	9- 6	U. S. Biological Survey	3782.7
10-19	do	3782.7	9-14	do	3782.7
10-28	do	3782.7	9-20	do	3782.7
5-20	do	3783.3	9-26	do	3782.7
8-31	do	3782.7			

**CRANE LAKE
Sec. 10-20-44 W.**

10- 6	U. S. Biological Survey	3785.1	9- 6	U. S. Biological Survey	3784.5
10-18	do	3785.2	9-14	do	3784.6
10-28	do	3785.4	9-20	do	3784.6
11-13	do	3785.4	9-26	do	3784.6
8-31	do	3784.5			

**CRESCENT LAKE
Sec. 21-20-44 W.**

5-20	U. S. Biological Survey	3777.1	9-13	U. S. Biological Survey	3775.7
8-31	do	3775.7	9-19	do	3775.7
9- 6	do	3775.7	9-25	do	3775.4

DEER LAKE

5-20	U. S. Biological Survey	3799.1			
------	-------------------------	--------	--	--	--

**GIMLET LAKE
Sec. 32-21-44 W.**

10- 6	U. S. Biological Survey	3805.9	5-20	U. S. Biological Survey	3807.1
10-18	do	3805.9	8-31	do	Dry at Gage
10-28	do	3805.9			

**GOOSE LAKE
Sec. 19-21-44 W.**

5-20	U. S. Biological Survey	3823.0	8-31	U. S. Biological Survey	Dry at Gage
------	-------------------------	--------	------	-------------------------	-------------

**HACKBERRY LAKE
Sec. 1-20-45 W.**

10- 6	U. S. Biological Survey	3789.8	9- 6	U. S. Biological Survey	3789.2
10-19	do	3789.9	9-15	do	3789.2
10-28	do	3789.9	9-20	do	3789.2
8-31	do	3789.2	9-26	do	3789.2

SAND HILL LAKES—Concluded
Year Ending September 30, 1940

Date	Observer	Sea Level Elevations	Date	Observer	Sea Level Elevations
ISLAND LAKE Sec. 4-20-44 W.					
10- 6	U. S. Biological Survey	3788.0	9- 7	U. S. Biological Survey	3788.3
10-18	do	3788.0	9-14	do	3788.3
10-28	do	3787.9	9-20	do	3788.3
11-13	do	3788.0	9-25	do	3788.2
8-31	do	3788.3			
JONES LAKE Sec. 10-20-45 W.					
5-20	U. S. Biological Survey	3796.2	8-31	U. S. Biological Survey	Dry at Gage
ROUNDUP LAKE Sec. 33-21-44 W.					
10- 7	U. S. Biological Survey	3799.6	8-31	U. S. Biological Survey	3798.6
10-18	do	3799.6	9- 7	do	3798.6
10-28	do	3799.6	9-14	do	3798.6
11-13	do	3799.9	9-20	do	3798.6
5-29	do	3800.7	9-25	do	3798.7
RUSH LAKE Sec. 24-21-45 W.					
5-20	U. S. Biological Survey	3832.4	8-31	U. S. Biological Survey	Dry at Gage
SMITH LAKE					
10- 6	U. S. Biological Survey	3833.5	11-10	U. S. Biological Survey	3833.5
10-19	do	3833.8	5-20	do	3834.3
10-29	do	3833.6	8-31	do	Dry at Gage
SWAN LAKE Secs. 9 and 10-20-45 W.					
10- 6	U. S. Biological Survey	3800.9	11-10	U. S. Biological Survey	3801.2
10-28	do	3801.2			

DISCHARGE MEASUREMENTS OF CANALS
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ABERDEEN CANAL—D-50a, D-50b, A-1117					
Diverted from Frenchman River—Sec. 3-5-38 W.					
Measurements Made at Headgate					
10-18	K. S. Essex	.....	.....	.....	0.0
5- 9	do	.....	.....	.....	.2
6- 6	do	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0
ADAMS CANAL—D-371					
Diverted from Lodgepole Creek—Sec. 3-14-52 W.					
Measurements Made at Headgate					
2-22	K. S. Essex	.....	.....	.....	0.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-16	K. S. Essex	0.4	0.12	.....	.1
AIREDALE CANAL NO. 1—A-698, A-1380					
Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.					
Measurements Made at 5.5-foot Weir					
10-15	Essex-Dodd	.....	.....	.....	0.0
5- 6	K. S. Essex	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
AIREDALE CANAL NO. 2—A-699, A-1133					
Diverted from Pumpkinseed Creek—Sec. 1-19-55 W.					
Measurements Made at Headgate					
10-15	Essex-Dodd	.....	.....	.....	0.0
5- 6	K. S. Essex	4.4	0.62	.....	2.8
6-13	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
AIREDALE CANAL NO. 3—A-1508					
Diverted from Pumpkinseed Creek—Sec. 1-19-55 W.					
Measurements Made at Headgate					
10-15	Essex-Dodd	.....	.....	.....	0.0
5- 6	K. S. Essex	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
ALAFALFA CANAL—D-738					
Diverted from North Platte River—Sec. 1-15-42 W.					
Measurements Made at Rating Flume					
5-23	Fred Hervert	16.4	1.09	0.58	17.9
6- 7	do	8.9	1.10	.42	9.8
6-16	do	18.0	1.25	.85	24.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ALLEN-LARNED CANAL—D-117					
Diverted from Buffalo Creek—Sec. 18-1-40 W.					
Measurements Made at Headgate					
3-21	K. S. Essex	.....	.....	.....	0.0
4-21	do	.....	.....	.....	.0
5-11	do	2.5	0.74	.....	1.8
6- 9	do	3.1	.86	.....	2.6
6-30	do	.....	.....	.....	1.5
8-17	Essex-Gerlach	.....	.....	.....	2.0
9-15	K. S. Essex	.....	.....	.....	1.5
ALLIANCE CANAL—D-874 (O.D. A-1776)					
Diverted from Bayard Sugar Factory Drain—Sec. 4-20-52 W.					
Measurements Made at Rating Flume					
5- 9	H. H. Odell	6.4	1.84	0.87	11.7
5-17	do	14.9	1.71	1.93	25.5
6- 1	do	18.9	1.95	2.35	36.8
6-14	do	17.6	1.39	2.28	24.4
6-26	Odeil-Eisenhuth	19.6	1.48	2.52	29.0
7-12	H. H. Odell	30.3	.97	2.86	30.2
7-20	H. P. Eisenhuth	.....	.....	.....	.0
7-26	do	16.5	2.08	2.13	34.4
8- 1	do	.....	.....	.....	.0
8-15	do	12.0	.54	1.58	6.5
8-31	do	4.8	.70	.70	3.4
9- 5	do	8.1	.31	1.11	2.5
9-20	do	.....	.....	.....	.0
ALLIANCE CANAL—D-874 (O.D. A-1429)					
Diverted from Red Willow Creek—Sec. 6-20-51 W.					
Measurements Made at Rating Flume					
10- 4	H. H. Odell	11.6	1.16	1.06	13.5
5- 5	do	19.9	1.03	1.75	20.6
5-17	do	17.3	1.38	1.54	23.9
6- 7	do	23.5	1.95	2.07	45.9
6-21	do	23.2	1.65	2.05	38.2
7- 5	Odell-Higby	26.9	1.37	2.35	36.8
7-20	H. P. Eisenhuth	.....	.....	.....	.0
7-26	do	29.3	1.44	2.58	42.3
8- 1	do	.....	.....	.....	.0
8-15	do	25.0	1.84	2.21	46.0
8-31	do	27.9	1.90	2.46	53.1
9- 5	do	25.4	1.57	2.24	40.0
9-20	do	26.0	1.66	2.29	43.2
ANDERSON CANAL—D-373					
Diverted from Lodgepole Creek—Sec. 8-14-51 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ANDERSON CANAL—Concluded					
2-22	K. S. Essex	.....	.....	.....	0.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-16	K. S. Essex	2.9	1.52	.....	4.4
6- 3	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
ANDREWS CANAL—A-2558					
Diverted from Andrews Reservoir—A-2530—Sec. 5-32-55 W.					
Measurements Made at Headgate					
5- 2	K. S. Essex	0.6	1.49	.....	0.8
ANDREWS SUPPLY CANAL—A-2530					
Diverted from Sow Belly Creek—Sec. 5-32-55 W.					
Measurements Made at Headgate					
5- 2	K. S. Essex	.....	.....	.....	0.0
ATKINS-POLLY CANAL—D-342, D-344					
Diverted from Lodgepole Creek—Sec. 30-15-55 W.					
Measurements Made at Rating Flume					
10-25	K. S. Essex	2.4	1.43	0.51	3.4
11-14	do	.....	.....	.....	.0
2-23	do	.....	.....	.....	.0
5-16	Essex-Hanna	1.5	1.27	.....	1.9
6- 2	K. S. Essex	2.5	1.31	.....	3.2
7- 6	Essex-Hanna	2.5	.74	.56	1.8
9- 8	do	2.0	.96	.42	1.9
BARBER CANAL—D-754, A-1111					
Diverted from Clear Creek—Sec. 29-16-41 W.					
Measurements Made at Rating Flume					
11- 1	A. W. Hall	.....	.....	.....	0.0
6-17	Fred Hervert	4.4	1.29	1.00	5.7
7-10	do	4.3	1.26	.91	5.1
9- 2	do	6.4	1.28	1.18	8.2
9-16	do	6.6	1.24	1.34	8.2
BARRON CANAL, EAST—A-2024					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made near Headgate					
5-20	K. S. Essex	.....	.....	.....	0.0
6-19	do	0.5	0.58	.....	.3
7-16	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BARRON CANAL, WEST—D-438R					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made near Headgate					
10- 7	K. S. Essex	.....	.....	.....	0.0
3-13	do	.....	.....	.....	.0
4- 5	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
BEERLINE CANAL—D-887					
Diverted from North Platte River—Sec. 24-19-49 W.					
Measurements Made at Rating Flume					
5-24	Fred Hervert	14.3	1.26	1.29	18.0
7- 1	do	12.8	.91	1.18	11.7
7-11	do	9.8	.90	.89	8.8
8- 2	A. W. Hall	8.6	.87	.80	7.5
BEISER CANAL—A-1056					
Diverted from Niobrara River—Sec. 4-29-56 W.					
Measurements Made at Headgate					
4- 6	K. S. Essex	.....	.....	.....	0.0
5-26	Essex-Rasmussen	.....	.....	.....	.0
6-20	K. S. Essex	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.0
BELMONT CANAL—D-828, D-858, A-866					
Diverted from North Platte River—Sec. 18-20-51 W.					
Measurements Made at Rating Flume					
4-27	H. H. Odell	54.5	1.05	0.55	57.5
5- 9	do	52.8	.95	.51	50.3
5-24	do	67.2	1.54	.78	103.7
6- 9	do	38.1	.58	.40	22.3
6-22	do	42.8	1.18	.53	50.6
7- 7	do	43.7	1.20	.59	52.5
7-21	H. P. Eisenhuth	1.0	.19	.12	.2
7-25	do	55.2	1.71	.72	94.4
8- 4	do	63.0	1.84	.83	116.0
8-17	A. W. Hall	55.3	1.48	.70	81.9
8-18	H. P. Eisenhuth	58.4	1.64	.75	95.6
9- 8	do	64.8	1.70	.82	110.0
9-23	do	65.6	1.69	.82	111.0
BELMONT FEEDER—A-1397					
Diverted from Cedar Creek—Sec. 23-18-48 W.					
Measurements Made at Rating Flume					
5-23	Fred Hervert	4.5	1.38	0.83	6.2

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BELMONT FEEDER—Concluded					
6-21	Fred Hervet	4.9	1.13	.84	7.0
6-30	do	3.8	1.55	.77	5.3
7-12	do	4.6	1.22	.78	5.6
8-11	do	5.8	1.52	1.09	8.8
9- 8	do	4.2	1.19	.88	5.0
9-19	do	6.2	1.53	1.17	9.5
BELMONT CANAL SPILL Into Pumpkinseed Creek—Sec. 23-19-50 W.					
5- 5	K. S. Essex	.....	.....	.....	0.0
6-14	do	.....	.....	.....	.9
7- 3	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
BENDIX CANAL—A-189, A-1669 Diverted from Sand Creek—Sec. 35-33-53 W. Measurements Made at Headgate					
5- 1	K. S. Essex	.....	.....	.....	0.9
BENNETT RESERVOIR CANAL—A-691, A-1975 Diverted from Lodgepole Creek and Bennett Reservoir, A-657, A-1974—Sec. 22-15-55 W. Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
6- 3	Essex-Hanna	0.5	3.01	.....	1.6
BICKEL CANAL—D-347, A-719, A-724 Diverted from Lodgepole Creek—Sec. 30-15-55 W. Measurements Made at Rating Flume					
10-25	K. S. Essex	1.2	1.14	0.30	1.4
11-14	do	.....	.....	.....	.0
2-23	do	.....	.....	.....	.0
4-10	Essex-Dodd	.....	.....	.....	.0
5-16	Essex-Hanna	.....	.....	.....	.0
6- 2	K. S. Essex	2.0	1.16	.49	2.3
7- 6	Essex-Hanna	1.6	1.06	.....	1.8
9- 8	do	1.6	1.26	.46	2.0
BIGELOW-SEYMOUR CANAL—D-510 Diverted from Niobrara River—Sec. 19-31-57 W. Measurements Made at Headgate					
10-11	Essex-Rasmussen	.....	.....	.....	0.0
11- 7	K. S. Essex	.....	.....	.....	.0
1-30	do	.....	.....	.....	.0
5- 2	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BIGELOW-SEYMOUR CANAL—Concluded					
5-26	Essex-Rasmussen	.....	.....	.....	0.0
6-20	K. S. Essex	.....	.....	.....	.0
7-15	do	8.0	0.28	.....	2.3
8- 8	do	.....	.....	.....	.0
9- 1	Essex-Rasmussen	.....	.....	.....	.0
BIRD CAGE-QUINN CANAL—D-892, A-1561 Diverted from Pumpkinseed Creek—Sec. 20-19-51 W. Measurements Made at Headgate					
10-14	Essex-Dodd	3.5	0.40	1.30	1.4
4-25	K. S. Essex	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
6-14	do	2.8	0.51	1.42	1.4
BIRDWOOD CANAL—D-646 Diverted from Birdwood Creek—Sec. 35-15-33 W. Measurements Made at Rating Flume					
5-10	Fred Hervert	19.6	0.75	0.68	14.7
5-19	do	14.0	1.78	.94	25.0
6- 2	do	9.4	1.75	.65	16.4
6-15	do	23.5	1.17	1.56	27.6
6-28	do	12.6	1.77	.87	22.5
7-11	do	21.0	1.28	1.39	26.9
7-29	do	28.4	1.41	2.10	41.3
8-10	A. W. Hall	12.5	1.71	.84	21.4
8-17	Fred Hervert	27.6	1.47	2.00	40.4
8-30	do	20.7	1.96	1.51	40.5
9-14	do	17.8	1.97	1.27	35.0
9-28	A. W. Hall	16.2	1.53	1.10	24.8
BLUE CREEK CANAL—D-785, D-795 Diverted from Blue Creek and Crescent Lake, A-1575— Sec. 33-17-42 W. Measurements Made at Rating Flume					
11- 1	A. W. Hall	.....	.....	.....	0.0
5-11	Fred Hervert	4.4	0.50	0.15	2.2
5-22	do	14.4	1.66	1.21	23.9
6- 7	do	4.3	.84	.20	3.6
6-22	do	23.9	1.67	1.96	39.8
7- 5	do	18.3	1.37	1.30	25.0
8- 4	A. W. Hall	24.0	1.71	1.97	40.9
8-21	Fred Hervert	20.3	1.87	1.75	38.0
9- 2	do	17.9	1.91	1.54	34.1
9-18	do	18.2	1.77	1.59	32.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BLUHM CANAL—A-1811					
Diverted from Lodgepole Creek—Sec. 36-14-48 W. Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-13	K. S. Essex	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.9
9- 9	do	.....	.....	.....	.0
BOELUS POWER CANAL—A-1373					
Diverted from Middle Loup River—Sec. 30-13-12 W. Measurements Made at U.P.R.R. Bridge at Boelus					
7-17	C. B. Ham	207.0	1.90	.....	394.0
7-19	Fred Hervert	226.6	1.78	3.32	403.0
BOOTH CANAL, NORTH—D-309, D-310					
Diverted from Lodgepole Creek—Sec. 29-14-47 W. Measurements Made at Rating Flume					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.9
4-11	Essex-Dodd	.....	.....	.....	.0
5-17	K. S. Essex	.....	.....	.....	.0
6- 1	Essex-Hansen	.....	.....	.....	.0
7- 7	K. S. Essex	.....	.....	.....	.6
9- 9	do	.....	.....	.....	.9
BOOTH CANAL, SOUTH—D-309, D-310					
Diverted from Lodgepole Creek—Sec. 29-14-47 W. Measurements Made at Rating Flume					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-17	K. S. Essex	.....	.....	.....	.0
6- 1	Essex-Hansen	.....	.....	.....	.0
7- 7	K. S. Essex	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.6
BORDWELL CANAL—D-302					
Diverted from Lodgepole Creek—Sec. 35-14-49 W. Measurements Made at Headgate					
9-18	A. W. Hall	.....	.....	.....	0.0
9-22	do	.....	.....	.....	.0
BORDWELL CANAL—D-303					
Diverted from Lodgepole Creek—Sec. 35-14-49 W. Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BORDWELL CANAL—Concluded					
2-22	K. S. Essex	.....	.....	.....	0.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-13	do	0.2	0.28	.....	.1
9-18	A. W. Hall	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
BORQUIST CANAL—D-300					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
9-18	A. W. Hall	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
BORQUIST CANAL—D-301					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	1.5	0.50	0.62	.8
9- 9	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
9-18	A. W. Hall	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
BRADY CANAL—D-352					
Diverted from Lodgepole Creek—Sec. 28-15-54 W.					
Measurements Made at Headgate					
1-19	K. S. Essex	.....	.....	.....	1.0
2-23	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-15	K. S. Essex	.....	.....	.....	.0
5-16	do	.....	.....	.....	.0
6- 3	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BROWNS CREEK CANAL—D-857, D-1033					
Diverter from the North Platte River and Pathfinder Reservoir— Sec. 20-20-50 W.					
Measurements Made at Rating Flume					
10-11	H. H. Odell	15.1	1.35	0.70	20.3
10-18	do	5.3	1.15	.04	6.1
11- 8	do	1.2	.55	.....	.7
5-15	do	2.8	.38	.08	1.1
5-22	do	37.0	1.19	1.46	44.2
6- 7	do	1.0	.61	.54	.6
6-21	do	25.6	1.64	1.19	41.9
7- 5	Odell-Higby	38.9	1.34	1.76	52.2
7-18	H. P. Eisenhuth	28.3	1.45	1.09	41.2
7-25	do	51.0	1.44	2.48	73.4
8- 1	do	53.4	1.35	2.53	72.0
8-15	do	46.0	1.47	2.12	67.4
8-29	do	49.0	1.44	2.29	70.7
9- 5	do	37.8	1.47	1.69	55.5
9-19	do	41.1	1.50	1.91	61.8
BULLOCK CANAL—D-296					
Diverter from Lodgepole Creek—Sec. 3-13-46 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-13	do	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9-13	do	1.0	0.80	.....	.8
BULLOCK CANAL—A-437					
Diverter from Lodgepole Creek—Sec. 4-13-46 W.					
Measurements Made below Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	0
4-12	Essex-Dodd	.....	.....	.....	.0
5-17	K. S. Essex	.....	.....	.....	.0
6- 1	Essex-Hansen	.....	.....	.....	.0
9-13	K. S. Essex	.....	.....	.....	0
BUSHNELL CANAL—A-504					
Diverter from Lodgepole Creek—Sec. 2-14-58 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.0
4-10	Essex-Dodd	.....	.....	.....	.0
5-13	Essex-Hanna	.....	.....	.....	.0
6- 2	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.1
9- 7	K. S. Essex	1.6	0.76	.....	1.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
CASTLE ROCK CANAL—D-921					
Diverted from North Platte River—Sec. 4-21-54 W.					
Measurements Made at Rating Flume					
10- 6	H. H. Odell	30.6	1.44	1.67	44.2
5- 5	do	29.8	1.34	1.66	39.9
5-17	do	45.9	1.86	2.54	85.2
6- 5	do	38.7	1.78	2.14	68.9
6-17	do	31.7	1.69	1.76	53.6
6-28	Odell-Eisenhuth	42.3	1.87	2.34	79.1
7-15	H. H. Odell	45.5	2.05	2.53	93.2
7-25	H. P. Eisenhuth	43.9	2.02	2.43	88.6
8-11	do	43.5	1.90	2.43	84.8
8-25	do	43.2	1.86	2.38	80.4
9-16	do	37.8	1.70	2.12	64.3
9-29	do	37.8	1.62	2.08	61.4
CASTLE ROCK CANAL SPILL					
West of McGrew—Sec. 34-21-53 W.					
10- 6	H. H. Odell	2.8	1.31	0.78	3.7
10-19	do	7.7	1.17	.94	8.2
5- 5	do	.....	.....	.42	.0
6- 5	do	10.6	1.93	1.25	20.5
6-17	do	13.0	1.93	1.35	25.1
6-28	Odell-Eisenhuth	1.1	.59	.60	.6
7-15	H. H. Odell	.....	.....	.45	.2
7-25	H. P. Eisenhuth	.6	.10	.45	.1
8-11	do	3.6	.72	.71	2.6
8-25	do	.....	.....	.39	.0
9-16	do	4.9	.71	.75	3.5
9-29	do	10.4	1.47	1.10	15.3
CENTRAL CANAL—D-926					
Diverted from North Platte River and Pathfinder Reservoir— Sec. 36-22-55 W.					
Measurements Made at Rating Flume					
10- 5	H. H. Odell	17.9	1.60	1.40	28.6
5- 9	do	12.8	1.88	.89	24.1
5-24	do	18.6	1.97	1.69	36.7
6- 8	do	16.2	1.68	1.24	27.2
6-22	do	10.7	.96	.49	10.3
7- 7	do	2.9	.61	.21	1.8
7-21	H. P. Eisenhuth	11.8	1.85	.82	21.8
8- 4	do	14.0	1.74	1.05	24.4
8-18	do	14.2	1.69	1.05	24.0
9- 8	do	15.0	1.64	1.16	24.6
9-23	do	7.5	1.33	.45	10.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
CENTRAL CANAL SPILL					
Sec. 4-21-54 W.					
10- 6	H. H. Odell	2.3	3.72	0.92	8.6
5-24	do	.6	1.33	.30	.8
6- 8	do	1.0	1.34	.35	1.3
6-22	do	2.3	3.82	.83	8.8
7- 7	do	1.6	3.72	.58	5.0
7-21	H. P. Eisenhuth	.....	.....	.20	.0
8- 4	do	.....	.....	.16	.1
8-18	do	.3	.33	.21	.1
9- 8	do	1.0	1.40	.35	1.4
9-23	do	1.2	1.92	.50	2.3

CHAMPION CANAL—D-47
 Diverted from Frenchman River—Sec. 23-6-40 W.—
 Measurements Made at Headgate

10-18	K. S. Essex	14.6	0.94	1.92	13.8
11-29	do	12.4	1.16	1.63	14.4
1-12	do	12.1	1.74	.....	21.0
2- 7	do	.....	.....	.....	.0
2-28	do	8.8	.85	1.20	7.4
3-21	do	13.1	2.22	1.65	29.1
4-19	Essex-Dodd	11.7	1.95	1.52	22.8
5- 8	K. S. Essex	.....	.....	.....	5.6
6- 6	do	.....	.....	.....	.0
6-27	do	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9-14	do	6.6	.55	.95	3.6

CHIMNEY ROCK CANAL—D-844, D-1031, A-2190
 Diverted from North Platte River and Pathfinder Reservoir—
 Sec. 1-20-53 W.

Measurements Made at Rating Flume

10-12	H. H. Odell	7.1	2.08	0.35	14.8
10-25	do	6.0	.83	.16	5.0
5- 9	do	8.9	2.84	.41	25.3
5-24	do	16.0	3.58	.80	57.3
6- 9	do	15.9	3.41	.79	54.2
6-22	do	9.4	3.23	.46	30.5
7- 7	do	10.1	1.18	.30	11.9
7-21	H. P. Eisenhuth	13.4	3.61	.67	48.3
8- 4	do	14.2	3.25	.71	46.2
8-18	do	17.7	3.31	.89	58.7
9- 8	do	12.6	3.33	.58	42.0
9-23	do	14.2	3.56	.68	50.6

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
CHIMNEY ROCK CANAL SPILL NO. 1					
Sec. 14-20-52 W.					
10- 6	H. H. Odell	1.8	1.22	0.90	2.2
10-18	do	1.5	.98	.86	1.5
11- 4	do	.9	.71	.56	.6
12- 1	do	.....	.....	.....	.0
5-17	do	2.4	1.08	1.05	2.6
6- 9	do	.7	.28	.65	.2
6-22	do	3.2	1.00	1.04	3.2
7- 7	do	1.4	.67	.80	.9
7-21	H. P. Eisenhuth	.4	.65	.67	.2
8- 4	do	2.6	1.23	1.03	3.2
8-18	do	.4	.50	.67	.2
9- 8	do	.9	1.11	.88	1.0
9-23	do	.9	.78	.80	.7

CHIMNEY ROCK CANAL SPILL NO. 2
Sec. 18-20-51 W.

10- 6	H. H. Odell	6.2	0.50	.....	3.1
10-18	do	3.1	.18	.....	.6
11- 4	do	3.2	.16	.....	.5
12- 1	do	.....	.....	.....	.0
5-17	do	1.3	.23	.....	.3
6- 9	do	3.8	1.32	.....	5.0
6-22	do	6.8	1.32	.....	9.0
7- 7	do	2.6	.55	.....	1.4
7-21	H. P. Eisenhuth	3.1	.55	.....	1.7
8- 4	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
9- 8	do	3.4	.65	.....	2.2
9-23	do	2.5	.28	.....	.7

CHRISTENSEN CANAL, NORTH—D-367
Diverted from Lodgepole Creek—Sec. 7-14-51 W.
Measurements Made at Headgate

10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
1-19	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-16	K. S. Essex	1.0	.78	.....	.8
6- 3	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
9- 8	do	.6	.37	.....	.2

CHRISTENSEN CANAL, SOUTH—D-366
Diverted from Lodgepole Creek—Sec. 7-14-51 W.
Measurements Made at Headgate

10-26	K. S. Essex	0.0
-------	-------------	-------	-------	-------	-----

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
CHRISTENSEN CANAL, SOUTH—Concluded					
11-16	K. S. Essex	.....	.....	.....	0.0
1-19	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.9
5-16	K. S. Essex	3.5	0.27	.....	.9
6- 3	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.8
CHRISTOFFERSON PUMP—D-918 (O. D. A-1176) Diverted from Sheep Creek—Sec. 16-23-57 W. Measurements Made at Pump					
5-13	H. H. Odell	1.9	1.45	0.52	2.8
6- 8	do	3.0	.98	.60	3.0
7-13	do	2.4	.94	.....	2.3
7-28	H. P. Eisenhuth	.....	.....	.....	3.3
8-17	do	.....	.....	.....	2.4
CIRCLE ARROW CANAL—D-346 Diverted from Lodgepole Creek—Sec. 30-15-54 W. Measurements Made at Headgate					
10-25	K. S. Essex	1.1	2.28	0.42	2.5
11-15	do	.8	2.16	.31	1.7
2-23	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-15	K. S. Essex	.9	3.98	.30	3.1
5-15	Essex-Hanna	.8	4.65	.32	3.8
6- 3	do	1.1	3.97	.....	4.3
7- 6	do	.8	3.00	.28	2.4
9- 8	do	.8	4.30	.32	3.5
CLEAR CREEK CANAL—D-748 Diverted from Clear Creek—Sec. 32-16-41 W. Measurements Made at Rating Flume					
11- 1	A. W. Hall	.....	.....	.....	0.0
5-11	Fred Hervert	4.4	1.45	0.84	6.4
5-22	do	2.0	.68	.38	1.3
6- 7	do	1.3	.55	.31	.7
6-16	do	1.0	.51	.26	.5
6-29	do	1.2	.67	.30	.8
7-11	do	3.7	.49	.46	1.8
8- 5	A. W. Hall	2.8	.86	.54	2.4
9- 2	Fred Hervert	2.0	.40	.30	.8
9-16	do	1.8	.22	.25	.4
CODY-DILLON CANAL—D-649 Diverted from North Platte River—Sec. 9-14-31 W. Measurements Made at 10-foot Cipolletti Weir					
10-14	A. W. Hall	1.7	1.10	0.20	1.9

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
CODY-DILLON CANAL—Concluded					
5-18	Fred Hervert	14.8	1.70	.77	25.2
6- 2	do	10.0	1.38	.53	13.8
6-28	do	12.4	1.74	.70	21.6
7-10	do	8.0	1.74	.55	13.8
7-29	do	14.5	1.92	.83	27.8
8-10	A. W. Hall	24.7	1.91	1.14	47.2
8-17	Fred Hervert	21.6	2.00	1.09	43.2
8-30	do	24.0	1.83	1.14	43.8
9-14	do	19.2	1.20	.75	23.0
COFFEE CANAL, EAST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurements Made at Headgate					
10-11	Essex-Rasmussen	.....	.....	.....	0.4
5- 2	K. S. Essex	.....	.....	.....	1.8
6-20	do	.....	.....	.....	1.2
7-15	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.1
9- 1	Essex-Rasmussen	.....	.....	.....	.0
COLD WATER CANAL—D-796					
Diverted from Cold Water Creek—Sec. 26-18-46 W.					
Measurements Made into Lisco and North River Canal					
11- 1	A. W. Hall	3.1	1.23	.....	3.8
2-13	do	2.6	1.17	.....	3.1
3-29	do	2.6	1.27	.....	3.3
4-19	do	3.3	1.34	.....	4.4
5-23	Fred Hervert	2.8	1.25	0.44	3.5
6- 6	do	1.0	3.30	.35	3.3
6-30	do	2.2	1.29	.20	2.9
7-12	do	2.3	1.00	.18	2.3
8-11	do	3.1	.90	.38	2.8
9- 8	do	1.7	1.59	.39	2.7
COLUMBUS POWER CANAL—A-2287					
Diverted from Loup River—Sec. 6-16-4 W.					
Measurements Made $\frac{1}{4}$ Mile below Weir—Sec. 28-17-4 W.					
3-25	C. E. Ham	619	0.64	2.68	398.0
4-13	R. A. Wahl	590	.89	1.13	523.0
5-12	R. F. Kaser	629	1.42	1.58	891.0
6-14	Osborne-Neumarker	695	1.03	1.32	717.0
6-15	C. J. Osborne	704	.95	1.30	667.0
7-18	C. E. Ham	811	.86	1.36	702.0
8-10	H. W. Oehlrich	901	.95	1.57	852.0
8-31	do	986	1.28	1.98	1263.0
9-19	L. F. Hanks	944	.96	1.69	904.0
9-22	H. W. Oehlrich	940	.92	1.63	860.5

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
COOK CANAL NO. 1—D-980					
Diverted from Niobrara River—Sec. 1-28-56 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	.....	.....	.....	1.5
11- 7	do	.....	.....	.....	.0
1-30	do	.....	.....	.....	.0
4- 6	do	.....	.....	.....	.0
5- 2	do	3.4	1.68	.....	5.8
6-20	do	1.5	.41	.....	.6
7-13	Essex-Rasmussen	.....	.....	.....	1.0
COURT HOUSE ROCK CANAL—D-840, D-1028, A-851					
Diverted from Pumpkinseed Creek—Sec. 30-19-50 W.					
Measurements Made at Rating Flume					
10-14	K. S. Essex	6.3	2.91	0.72	18.3
4-25	do	.....	.....	.....	.0
5- 5	do	7.2	3.42	.80	24.6
5-18	do	6.3	3.18	.75	20.0
6-13	do	9.9	2.16	1.05	21.4
7- 3	do	8.1	2.83	.88	22.9
7-29	do	4.5	2.56	.50	11.5
8-12	do	4.5	3.09	.50	13.9
9-11	do	4.5	2.67	.50	12.0
9-20	A. W. Hall	5.0	2.49	.56	12.3
9-29	K. S. Essex	6.3	2.22	.70	14.0
COZAD CANAL—D-626, A-2050, A-2056					
Diverted from Platte River and Sutherland Reservoir— Sec. 15-11-25 W.					
Measurements Made at Rating Flume—Sec. 13-11-25 W.					
10- 9	Hall-Hervert	68.5	1.70	2.06	116.3
11-17	A. W. Hall	71.0	1.38	2.08	98.0
4- 1	do	37.6	1.72	1.01	64.8
5- 9	Fred Hervert	58.0	1.51	1.70	87.7
5-16	do	49.6	1.43	1.34	70.9
5-30	do	38.2	1.11	.96	42.4
6-12	do	61.8	1.39	1.81	85.7
6-24	do	4.6	1.20	.37	5.5
7- 8	do	72.7	1.33	2.12	97.0
7-21	do	73.4	1.50	2.16	110.0
7-23	do	83.7	1.34	2.44	112.4
7-25	do	66.7	1.76	1.96	118.0
7-29	do	65.5	1.93	1.93	126.8
8- 1	do	65.6	1.38	2.02	90.7
COZAD CANAL SPILL					
Into Dawson County Canal—Sec. 6-10-22 W.					
4- 4	A. W. Hall	18.2	2.20	2.21	40.1
4-25	do	8.3	1.46	.90	12.1
(Concluded on next page)					

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
COZAD CANAL SPILL—Concluded					
5- 8	Fred Hervert	18.6	1.95	2.03	36.5
5-15	do	18.7	2.50	2.26	46.8
6- 1	do	13.8	1.66	1.41	22.9
6-14	do	11.3	2.49	1.52	28.1
6-27	do	15.0	2.34	1.78	35.1
7-10	do	1.3	1.06	.24	1.4
CRESCENT LAKE OUTLET CANAL—A-1575 Diverted from Blue Creek—Sec. 34-20-44 W. Measurements Made at Headgate					
7-22	A. W. Hall	0.9	0.82	.....	0.7
CRESCENT LAKE OUTLET CANAL—A-1575 Diverted from Crescent Lake—Sec. 21-20-44 W. Measurements Made at Headgate					
7-22	A. W. Hall	3.0	0.70	1.40	2.1
CREWS CANALS, NO. 2 AND NO. 3—A-1709, A-1826 Diverted from North Fork Republican River—Sec. 20-1-41 W. Measurements Made at Headgate					
10-21	K. S. Essex	.....	.....	.....	0.0
5-11	do	5.3	1.06	.....	5.6
9-15	do	3.2	2.05	.....	6.4
CREWS CANAL—D-1025 Diverted from North Fork Republican River—Sec. 21-1-41 W. Measurements Made at Headgate					
5-11	K. S. Essex	.....	.....	.....	0.5
8-17	Essex-Gerlach	2.8	1.17	.....	3.3
CRIGLER CANAL—D-861, A-486 Diverted from Lawrence Fork Creek—Sec. 1-18-52 W. Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.0
4-25	do	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.1
CULBERTSON CANAL—D-24, D-25, D-29, D-30 Diverted from Frenchman River and Stinking Water Creek— Sec. 31-5-33 W. Measurements Made at Rating Flume					
10-19	K. S. Essex	44.7	1.67	2.88	74.7
4-20	Essex-Dodd	.....	.....	.....	.0
5- 9	Essex-Gerlach	49.3	1.83	3.22	90.4
6- 7	K. S. Essex	46.2	1.89	3.00	87.3
6-28	do	31.1	1.52	2.21	47.3
7-21	do	46.2	1.70	2.98	78.6
8-15	do	49.3	1.86	3.22	91.6
9-16	do	44.7	1.79	2.92	79.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
DAWSON COUNTY CANAL—D-621, D-622, D-624, A-2039, A-2093, A-2110, A-2145, A-2262					
Diverted from Platte River and Sutherland Reservoir— Sec. 18-10-23 W.					
Measurements Made at Rating Flume—Sec. 7-10-23 W.					
5- 9	Fred Hervert	66.2	1.00	0.46	66.1
5-16	do	110.2	1.44	1.08	158.2
5-30	do	11.2	.83	.25	9.3
6-12	do	95.1	1.26	.48	82.2
6-25	do	62.3	1.28	.46	79.5
7-20	do	176.6	1.70	2.10	300.0
7-26	do	132.0	1.70	1.53	224.0
8- 2	do	124.8	1.61	1.40	200.6
8- 8	A. W. Hall	113.3	1.70	1.62	243.4
8-15	Fred Hervert	87.2	1.39	.85	120.8
9-10	do	17.8	.93	.03	16.5
9-26	A. W. Hall	66.5	1.85	.80	123.0
DAWSON COUNTY CANAL SPILL Into Buffalo Creek—Sec. 35-11-22 W.					
5- 8	Fred Hervert	.....	.....	1.00	0.1
8- 2	do	.....	.....	1.16	2
DAWSON COUNTY CANAL SPILL Into French Creek—Sec. 1-10-22 W.					
5- 8	Fred Hervert	9.7	1.86	.....	18.0
5-15	do	8.3	1.00	1.00	8.2
6- 1	do	.....	.....	.55	.2
6-14	do	13.4	1.22	1.40	16.3
6-27	do	20.3	1.39	1.94	28.3
7-10	do	1.8	.28	.50	.5
8- 2	do	1.9	.11	.47	.2
8-14	do	2.2	.32	.52	.7
DAWSON COUNTY CANAL SPILL Into Elm Creek—Sec. 13-9-19 W.					
5-15	Fred Hervert	.....	.....	.....	0.0
DELAWARE-HICKMAN CANAL—D-157 Diverted from Republican River—Sec. 17-1-34 W.					
Measurements Made at Headgate					
3-23	K. S. Essex	.....	.....	.....	0.0
4-21	Essex-Dodd	.....	.....	.....	.0
5-11	K. S. Essex	3.9	1.62	.....	6.3
6- 9	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8-17	Essex-Gerlach	.....	.....	.....	.0
9-15	K. S. Essex	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
DICKINSON CANAL—D-967					
Diverted from Lodgepole Creek—Sec. 33-14-47 W.					
Measurements Made at Headgate					
11-16	K. S. Essex	.....	.....	.....	0.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-13	K. S. Essex	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.9
DICKINSON CANAL—D-969					
Diverted from Lodgepole Creek—Sec. 26-14-47 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
3-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
5-13	K. S. Essex	.....	.....	.....	.0
5-17	do	4.3	0.35	.....	1.5
6- 1	Essex-Hansen	.....	.....	.....	.0
7- 7	K. S. Essex	.....	.....	.....	1.0
9- 9	do	.....	.....	.....	.0
DODD-McDOWELL CANAL—A-1571					
Diverted from Dodd-McDowell Reservoir—Sec. 17-32-53 W.					
Measurements Made at Headgate					
3-13	K. S. Essex	.....	.....	.....	0.0
DOUT BROTHERS CANAL—D-981					
Diverted from Jim Creek—Sec. 7-33-56 W.					
Measurements Made below Headgate					
10-11	Essex-Rasmussen	.....	.....	.....	0.0
5- 2	K. S. Essex	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.0
EARNEST CANAL NO. 1—D-514a					
Diverted from Niobrara River—Sec. 9-29-56 W.					
Measurements Made at Headgate					
10-11	K. S. Essex	6.2	1.11	.....	6.9
11- 7	do	6.5	1.03	.....	6.7
4- 6	do	.....	.....	.....	.0
5- 2	do	7.1	.90	.....	6.4
5-26	Essex-Rasmussen	4.8	.75	.....	3.6
6-20	K. S. Essex	4.9	.95	.....	4.7
7-15	do	.....	.....	.....	.0
8- 8	do	6.8	.88	.....	6.0
9- 1	Essex-Rasmussen	4.2	.95	.....	4.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
EARNEST CANAL NO. 2—D-514b					
Diverted from Niobrara River—Sec. 9-29-56 W.					
Measurements Made at Headgate					
10-11	Essex-Rasmussen	.....	.....	.....	0.0
11- 7	K. S. Essex	.....	.....	.....	.0
4- 6	do	.....	.....	.....	.0
5- 2	do	6.8	0.52	.....	3.6
5-26	Essex-Rasmussen	6.4	1.19	.....	7.5
6-20	K. S. Essex	.....	.....	.....	.0
7-15	do	.....	.....	.....	4.0
8- 8	do	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0

ELM CREEK CANAL—A-2104					
Diverted from Platte River—Sec. 6-8-19 W.					
Measurements Made at Bridge—Sec. 33-9-19 W.					
10- 7	A. W. Hall	.....	.....	1.45	0.0
11-19	do	28.2	1.30	2.52	36.5
1-16	do	16.7	1.29	2.45	12.9
4- 3	do	19.2	1.05	2.11	20.1
4-24	do	7.6	.42	1.56	3.2
5- 7	Fred Hervert	16.8	.91	1.96	15.3
5-15	do	12.6	.71	1.83	9.0
5-31	do	4.6	.50	1.48	2.3
6-13	do	13.1	.79	1.84	10.3
6-26	do	15.5	.75	1.90	11.6
7- 9	do	.....	.....	.....	.0
7-27	Hervert-Dolittle	30.2	1.36	2.62	41.2
7-30	Fred Hervet	28.0	1.39	1.98	38.9
8-13	Hervert-Dolittle	13.8	1.11	1.35	15.3

EMPIRE CANAL—D-858, A-866					
Diverted from North Platte River—Sec. 18-20-51 W.					
Measurements Made at Rating Flume—Sec. 20-20-51 W.					
5- 5	H. H. Odell	9.4	0.58	1.03	5.4
5- 9	do	3.6	.77	.43	2.7
5-24	do	10.0	1.33	1.02	13.2
6-22	do	3.4	1.03	.42	3.5
7- 7	do	2.2	.39	.21	.8
7-21	H. P. Eisenhuth	.....	.....	.....	.0
7-25	do	7.6	1.42	.80	10.8
8- 4	do	8.6	1.42	.93	12.2
8-17	A. W. Hall	6.6	1.18	.73	7.8
8-18	H. P. Eisenhuth	7.9	1.23	.84	9.8
9- 8	do	8.7	1.15	.94	10.0
9-23	do	10.6	.67	1.15	7.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ENTERPRISE CANAL—D-920					
Diverted from North Platte River—Sec. 27-23-57 W.					
Measurements Made at Rating Flume					
10- 5	H. H. Odell	33.8	1.66	1.35	56.3
10-20	do	22.4	1.43	1.19	32.1
5- 3	do	34.4	2.06	1.18	71.1
5-16	do	48.0	2.17	1.54	104.0
6- 2	do	35.8	2.74	1.15	98.3
6-16	do	29.6	2.98	.97	88.2
6-27	Odell-Eisenhuth	32.5	3.08	1.06	100.0
7-13	H. H. Odell	36.4	2.92	1.17	106.0
7-28	H. P. Eisenhuth	27.0	3.17	.92	85.7
8-10	do	24.9	2.78	.87	69.1
8-24	do	27.4	3.03	.95	83.1
9-15	do	26.5	2.99	.90	79.1
9-28	do	26.1	2.82	.87	73.7
ENTERPRISE CANAL—D-920					
Diverted from Morrill Drain—Sec. 13-23-57 W.					
Measurements Made above Intersection with Enterprise Canal					
10-13	H. H. Odell	3.5	0.56	.....	2.0
5- 4	do	1.6	.10	.....	.2
5-16	do	1.9	.19	.....	.4
6- 2	do	2.8	.54	.....	1.6
6-17	do	3.9	.47	.....	1.8
6-27	Odell-Eisenhuth	4.5	.26	.....	1.2
7-13	H. H. Odell	5.0	.32	.....	1.6
7-28	H. P. Eisenhuth	3.4	.62	.....	2.1
8-10	do	4.9	.67	.....	3.3
8-24	do	3.6	.71	.....	2.6
9-15	do	3.8	.95	.....	3.7
9-28	do	5.2	.59	.....	3.1
ENTERPRISE CANAL—D-920					
Diverted from Stewart Drain—Sec. 13-23-57 W.					
Measurements Made above Intersection with Enterprise Canal					
10- 6	H. H. Odell	3.3	0.56	.....	1.8
10-13	do	3.7	.34	.....	1.2
5- 4	do	.6	.56	.....	.3
5-16	do	.....	.....	.....	.0
6- 2	do	.....	.....	.....	.0
6-17	do	2.8	.70	.....	1.9
6-22	do	.....	.....	.....	.0
6-27	Odell-Eisenhuth	.....	.....	.....	.0
7-13	H. H. Odell	.....	.....	.....	.0
7-28	H. P. Eisenhuth	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9- 6	do	2.6	.86	.....	2.3
9-28	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ENTERPRISE CANAL—D-920					
Diverted from Wet Spotted Tail Creek—Sec. 22-23-56 W.					
Measurements Made above Intersection with Enterprise Canal					
10-12	H. H. Odell	5.3	1.63	.....	8.6
5- 4	do	3.7	.87	.....	3.2
5-16	do	5.2	1.43	.....	7.4
6- 2	do	9.7	.96	.....	9.3
6-15	do	7.1	1.51	.....	10.7
6-27	Odell-Eisenhuth	6.2	1.09	.....	6.8
7-13	H. H. Odell	7.3	1.28	.....	9.3
7-27	H. P. Eisenhuth	7.9	.96	.....	7.6
8-10	do	5.7	1.75	.....	10.0
8-24	do	8.2	1.15	.....	9.4
9-15	do	7.7	1.38	.....	10.6
9-27	do	7.2	1.31	.....	9.5

ENTERPRISE CANAL—D-920 (O. D. A-2409)					
Diverted from Winters Creek—Sec. 8-22-54 W.					
Measurements Made at Rating Flume					
5- 8	H. H. Odell	3.2	1.43	1.51	4.6
6- 1	do	1.5	2.63	1.38	3.9
6-15	do	1.5	2.70	1.39	4.0
6-26	Odell-Eisenhuth	.....	.....	.85	.1
7-12	H. H. Odell	1.2	1.35	1.21	1.6
7-27	H. P. Eisenhuth	2.9	1.78	1.76	5.1
8- 9	do	3.5	1.37	1.96	4.8
8-23	do	3.8	1.33	2.05	5.0
9-14	do	3.9	1.14	2.14	4.5
9-27	do	3.0	.89	2.02	2.7

ENTERPRISE CANAL SPILL					
Into Winters Creek—Sec. 17-22-54 W.					
10-12	H. H. Odell	5.1	4.39	0.90	22.3
5- 4	do	4.6	4.87	.84	22.4
5-16	do	1.7	1.35	.29	2.3
6- 1	do	.6	.83	.13	.5
6-15	do	5.5	4.18	.96	23.0
6-26	Odell Eisenhuth	4.9	4.23	.88	20.7
7-12	H. H. Odell	.7	1.72	.21	1.2
7-27	H. P. Eisenhuth	3.0	3.27	.56	9.8
8- 9	do	3.9	4.26	.72	16.6
8-23	do	1.9	1.26	.30	2.4
9-14	do	4.7	4.37	.84	20.5
9-27	do	5.8	3.98	.92	23.1

EXCELSIOR CANAL—D-568, A-2264					
Diverted from Niobrara River—Sec. 10-28-52 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	.....	.....	.....	0.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
EXCELSIOR CANAL—Concluded					
11- 8	K. S. Essex	.....	.....	.....	0.0
4- 6	do	.....	.....	.....	.0
5- 3	do	.....	.....	.....	.0
5-27	do	2.9	0.38	.....	1.1
6-21	do	.....	.....	.....	1.0
7-13	Essex-Rasmussen	.....	.....	.....	.0
8-28	K. S. Essex	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
FARMERS CANAL—D-10					
Diverted from Frenchman River—Sec. 11-3-32 W.					
Measurements Made at Headgate					
10-20	K. S. Essex	.....	.....	.....	0.0
3-22	do	.....	.....	.....	0
4-20	do	.....	.....	.....	.0
6- 7	do	15.2	0.48	.....	7.4
8-15	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
FINCH CANAL—D-964					
Diverted from Clear Creek—Sec. 4-15-41 W.					
Measurements Made at Headgate					
7-21	A. W. Hall	3.4	1.09	.....	3.7
FOLLETT-KROTTER CANAL—A-705, A-720, A-975, A-2294, A-2805					
Diverted from Frenchman River—Sec. 35-5-34 W.					
Measurements Made at Rating Flume					
10-19	K. S. Essex	5.9	1.95	1.30	11.5
3-22	do	8.6	2.31	1.65	19.9
4-20	Essex-Dodd	.....	.....	.....	.0
5- 9	Essex-Gerlach	5.4	1.98	.92	10.7
6- 7	K. S. Essex	6.0	1.98	.94	11.9
6-28	do	9.2	2.64	1.48	24.3
7-21	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
FURMAN CANAL, NORTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements Made at Headgate					
4- 7	K. S. Essex	1.3	0.77	.....	1.0
5- 1	do	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
FURMAN CANAL, SOUTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements Made at Headgate					
4- 7	K. S. Essex	.....	.....	.....	0.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
FURMAN CANAL, SOUTH—Concluded					
5- 1	K. S. Essex	.....	.....	.....	0.0
5-27	do	.....	.....	.....	.0
6-21	do	2.2	1.20	.....	2.6
7-14	do	.....	.....	.....	.0
GALLUP CANAL—D-426					
Diverted from Chadron Creek—Sec. 15-33-49 W.					
Measurements Made at Headgate					
5-20	K. S. Essex	.....	.....	.....	0.0
7-13	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
GATCH CANAL—A-1220					
Diverted from Melbeta Drain—Sec. 25-21-54 W.					
Measurements Made at Rating Flume					
6- 9	H. H. Odell	3.3	1.08	1.18	3.6
6-28	Odell-Eisenhuth	.3	.15	.45	.1
7-15	H. H. Odell	.....	.....	.35	.0
7-25	H. P. Eisenhuth	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
9- 8	do	2.6	.52	.....	1.4
9-23	do	.5	.24	.....	.1
GERING CANAL—A-365					
Diverted from North Platte River and Pathfinder Reservoir— Sec. 4-23-58 W.					
Measurements Made at 15-foot Parshall Flume					
5- 2	Guy C. Thatcher	.....	.....	1.83	154.1
5- 3	H. H. Odell	19.2	4.46	1.23	85.7
5- 9	do	88.0	1.96	1.94	172.0
5-22	do	89.0	2.00	2.01	178.0
6- 2	Guy C. Thatcher	44.3	4.37	2.14	193.6
6- 7	do	40.9	4.11	1.92	168.7
6- 8	H. H. Odell	41.0	4.17	1.94	171.0
6-22	do	1.8	1.75	.19	3.1
7- 5	Guy C. Thatcher	15.6	2.32	.74	36.2
7- 6	H. H. Odell	15.2	2.46	.77	37.4
7-21	H. P. Eisenhuth	35.8	4.28	1.79	153.0
8- 3	do	27.4	3.72	1.40	102.0
8-17	do	27.6	3.70	1.41	102.0
9- 7	do	21.4	3.09	1.12	66.2
9-15	do	5.7	1.07	.31	6.1
9-21	do	1.2	1.67	.19	2.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
GERING CANAL—A-365					
Diverted from North Platte River—Sec. 4-23-58 W.					
Measurements Made at 15-foot Parshall Flume, Bad Lands— NW¼, Sec. 29-22-55 W.					
5- 2	Guy C. Thatcher	.....	.....	1.59	118.9
5- 4	H. H. Odell	81.2	1.26	1.43	102.0
5-17	do	90.0	1.53	1.73	138.0
6-22	do	4.8	1.25	.31	6.0
7- 7	do	13.7	2.41	.73	33.0
GERING CANAL—A-365					
Diverted from Melbeta Drain—Sec. 24-21-54 W.					
Measurements Made at Lateral Headgate					
5- 5	H. H. Odell	4.0	0.79	1.55	3.2
6- 5	do	2.4	.88	1.45	2.2
6-28	Odell-Eisenhuth	3.0	.63	1.26	1.9
7-15	H. H. Odell	3.0	1.19	1.50	3.6
7-25	H. P. Eisenhuth	1.6	.68	1.10	1.1
8- 4	do	4.6	1.74	1.75	8.0
8-18	do	3.2	.91	1.35	2.9
9- 8	do	.....	.....	.....	.0
9-23	do	2.8	.71	1.32	2.0
GERING CANAL SPILL					
Melbeta—Sec. 14-21-54 W.					
5- 5	H. H. Odell	0.4	0.45	0.01	0.2
6-17	do	3.2	9.10	.37	29.1
7-29	H. P. Eisenhuth	.....	.....	.....	.0
8-11	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
9-29	do	.....	.....	.....	.0
GOTHENBURG DIVERSION CANAL—D-645a, D-645b					
Diverted from Platte River—Sec. 29-12-26 W.					
Measurements Made at Parshall Flume—Sec. 28-12-26 W.					
11- 2	A. W. Hall	54.6	4.28	2.80	362.4
3- 6	do	59.3	3.27	1.96	194.4
4- 4	do	50.8	2.85	1.62	144.7
5-29	Fred Hervert	67.9	3.62	2.24	246.0
7-28	do	70.3	3.70	2.32	260.0
8-29	do	30.1	1.91	.98	57.4
9-13	do	32.0	2.04	1.07	65.3
9-27	A. W. Hall	50.8	2.98	1.60	151.0
GOTHENBURG IRRIGATION CANAL—D-645b					
Diverted from Platte River and Sutherland Reservoir—Sec 29-12-26 W.					
Measurements Made at Rating Flume—Sec. 3-11-25 W.					
10- 8	Fred Hervert	78.8	1.54	2.95	121.7
11-17	A. W. Hall	45.1	1.56	2.40	70.6

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
GOTHENBURG IRRIGATION CANAL—Concluded					
5- 9	Fred Hervert	39.0	2.02	3.93	180.0
5-16	do	49.1	1.86	2.60	91.4
5-29	do	49.7	1.68	2.51	83.3
6-12	do	67.4	1.53	2.81	103.0
6-25	do	59.2	1.57	2.62	92.7
7- 8	do	52.4	1.30	2.28	68.2
7-10	do	27.1	.75	1.35	20.4
7-20	A. W. Hall	73.6	1.23	2.50	90.3
7-23	Fred Hervert	64.7	1.36	2.59	88.0
7-28	do	65.7	1.49	2.72	98.1
8- 3	do	66.0	1.42	2.62	94.0
8- 4	do	21.4	.43	1.00	9.3
8-15	do	33.7	.39	1.48	13.2
GOTHENBURG IRRIGATION CANAL—D-645b					
Diverted from Platte River and Sutherland Reservoir—Sec. 29-12-26 W.					
Measurements Made at Lateral above Rating Station—Sec. 3-11-25 W.					
7-23	Fred Hervert	5.2	0.73	2.59	3.8
8- 3	do	5.3	.81	2.62	4.3
8- 4	do	7.6	.99	1.00	7.5
GOTHENBURG POWER RETURN					
Gothenburg—Sec. 9-11-25 W.					
10- 8	A. W. Hall	55.6	2.54	3.18	141.5
11-17	do	65.0	2.16	3.28	140.4
12-16	do	15.5	1.21	1.71	18.8
4- 4	do	48.4	1.75	2.95	84.5
5- 9	Fred Hervert	77.4	1.78	3.36	138.0
5-17	do	69.9	2.05	3.39	143.6
6-12	do	60.8	1.93	3.05	117.4
6-25	do	71.0	2.10	3.31	149.3
7-20	Hall-Edwards	70.4	2.14	3.40	151.1
7-24	Fred Hervert	68.4	2.05	3.37	140.5
7-29	do	77.0	1.91	3.37	146.8
8-16	do	75.4	1.85	3.30	139.6
8-29	do	14.8	1.72	1.78	25.5
9-12	do	42.0	1.42	2.24	59.5
GRAF CANAL—D-763R, D-781R, D-788					
Diverted from Blue Creek and Crescent Lake, A-1575—					
Sec. 19-16-42 W.					
Measurements Made at Rating Flume					
11- 1	A. W. Hall	2.3	0.78	0.33	1.8
5-22	Fred Hervert	12.9	.84	1.32	10.8
6- 7	do	5.5	.66	.58	3.6
6-22	do	11.0	1.13	1.17	12.4
7- 5	do	14.6	1.34	1.57	19.6
8-21	do	.2	.50	.36	.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
HALE CANAL—D-320, D-321, D-322					
Diverted from Lodgepole Creek—Sec. 36-14-49 W.					
Measurements Made below Headgate					
5-17	K. S. Essex	.....	.....	.....	0.0
9- 9	do	0.9	1.31	0.63	1.2
9-13	do	.9	1.36	.61	1.2
9-18	A. W. Hall	1.4	.49	.62	.7
9-22	do	1.6	.62	.64	1.0
HALL CANAL—D-478c					
Diverted from White River—Sec. 34-32-52 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	8.1	0.83	1.18	6.7
11- 5	do	.....	.....	.....	.0
12-14	do	.....	.....	.....	.9
3-13	do	.....	.....	.....	.0
4- 1	do	.....	.....	.....	.0
5- 1	do	4.3	1.65	1.00	7.1
5-21	do	6.5	1.68	1.20	10.9
6-19	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-31	Essex-Rasmussen	.....	.....	.....	.0
8- 2	K. S. Essex	.....	.....	.....	.0
8-26	do	.8	1.75	.40	1.4
8-31	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.1
HALLOWAY-PHELPS CANAL—D-717					
Diverted from White Tail Creek—Sec. 36-15-38 W.					
Measurements Made below Diversion Dam					
8-19	Fred Hervert	5.0	2.56	.....	12.8
HARPER CANAL—A-2316					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements Made at Headgate					
11- 1	A. W. Hall	0.6	1.43	0.63	0.9
5-11	Fred Hervert	1.2	.93	.....	1.1
6-29	do	2.6	.77	.....	2.0
HARRIS-COOPER CANAL—D-464a, D-464b					
Diverted from White River—Sec. 26-32-52 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	2.6	1.15	.....	3.0
11- 5	do	.....	.....	.....	.0
12-14	do	.....	.....	.....	.0
1-28	do	.....	.....	.....	.0
3-13	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
HARRIS-COOPER CANAL—Concluded					
4- 1	K. S. Essex	.....	.....	.....	0.0
5-21	do	1.0	.78	.....	.8
6-19	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-31	Essex-Rasmussen	2.9	1.64	0.88	4.8
8-26	K. S. Essex	2.0	1.20	.....	2.4
9-20	do	2.7	.89	.56	2.4
HARRIS-NEECE CANAL—D-517, A-2275 Diversed from Niobrara River—Sec. 3-28-55 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	5.6	2.08	.....	11.7
4- 6	do	.....	.....	.....	.0
5- 3	do	8.9	1.38	.....	12.3
5-26	Essex-Rasmussen	11.2	1.43	.....	16.0
6-21	K. S. Essex	8.0	.73	.....	5.8
7-13	Essex-Rasmussen	5.5	.90	.....	4.9
8-28	K. S. Essex	8.4	1.15	.....	9.6
9-23	do	6.2	.87	.....	5.4
HARTZELL CANAL—D-448 Diversed from Little Bordeaux Creek—Sec. 13-33-48 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	0.2	0.22	.....	0.4
11- 5	do	.7	1.02	.....	.7
12-15	do	.....	.....	.....	.5
1-28	do	.9	.75	.....	.7
2-14	do	.....	.....	.....	.0
3-14	do	.....	.....	.....	12.6
3-31	do	.4	.55	.....	.2
4-29	do	.....	.....	.....	.1
5-20	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
HAT CREEK CANAL, WEST—D-553a Diversed from Hat Creek—Sec. 16-32-55 W.					
Measurements Made below Headgate					
5- 2	K. S. Essex	0.4	0.54	.....	0.2
6-20	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.2
9- 1	Essex-Rasmussen	.....	.....	.....	.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
HEARD CANAL NO. 1—D-916					
Diverted from Pumpkinseed Creek—Sec. 14-19-54 W.					
Measurements Made at Headgate					
5- 6	K. S. Essex	.....	.....	.....	0.0
HEARD CANAL NO. 2—D-916					
Diverted from Pumpkinseed Creek—Sec. 14-19-54 W.					
Measurements Made at Headgate					
5- 6	K. S. Essex	.....	.....	.....	0.0
HIGH LINE CANAL—A-1682					
Diverted from Jim Creek—Sec. 13-33-57 W.					
Measurements Made at Headgate					
5- 2	K. S. Essex	.....	.....	.....	0.0
7-15	do	.....	.....	.....	.0
HITSHEW CANAL—A-1260					
Diverted from Niobrara River—Sec. 6-28-52 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	.....	.....	.....	0.0
11- 8	do	.....	.....	.....	.0
4- 6	do	.....	.....	.....	.0
5- 3	do	7.0	0.72	.....	5.0
5-27	do	5.4	.83	.....	4.5
7-13	Essex-Rasmussen	.....	.....	.....	.0
8-28	K. S. Essex	.....	.....	.....	.0
9-23	do	.....	.....	.....	2.0
HOLCOMBE CANAL—D-636					
Diverted from Pawnee Creek—Sec. 13-13-28 W.					
Measurements Made at Rating Flume					
9-13	Fred Hervert	3.0	0.93	0.96	2.7
9-28	A. W. Hall	2.9	1.01	.97	2.9
HOLLINGSWORTH CANAL—D-723					
Diverted from South Platte River—Sec. 7-13-38 W.					
Measurements Made at Rating Flume					
5-11	Fred Hervert	2.7	0.93	0.22	2.5
5-20	do	10.0	.96	1.02	9.6
6-29	do	2.0	.86	.05	1.7
8-10	A. W. Hall	8.4	.97	.97	8.1
8-19	Fred Hervert	11.4	1.10	1.16	12.6
9-16	do	6.8	1.09	.82	7.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
HOOPER CANAL—D-781, D-788R					
Diverted from Blue Creek and Crescent Lake, A-1575—Sec. 6-16-42 W.					
Measurements Made at Rating Flume					
11- 1	A. W. Hall	8.2	1.67	1.65	13.7
5-22	Fred Hervert	6.6	1.71	1.31	11.2
6- 7	do	1.5	.68	.34	1.0
6-22	do	6.9	1.88	1.11	12.9
7- 5	do	.....	.....	.16	.2
8- 4	A. W. Hall	7.0	2.01	1.41	14.1
8-21	Fred Hervert	7.5	1.91	1.49	14.3
9- 2	do	5.7	1.82	1.16	10.4
9-18	do	7.5	1.87	1.51	14.0
HOOVER CANAL—D-353					
Diverted from Lodgepole Creek—Sec. 12-14-59 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.0
4-10	Essex-Dodd	.....	.....	.....	.0
5-15	K. S. Essex	.....	.....	.....	.3
6- 2	do	5.0	0.77	.....	3.9
7- 5	Essex-Hanna	3.4	.86	.....	2.9
9- 7	do	4.1	.67	.....	2.7
HOPEFUL CANAL—A-2135					
Diverted from Lawrence Fork Creek—Sec. 1-18-52 W.					
Measurements Made at Headgate					
10-15	Essex-Dodd	.....	.....	.....	0.0
4-25	K. S. Essex	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
9-29	do	.....	.....	.....	.0
HOWARD CANAL—D-336, A-1645					
Diverted from Lodgepole Creek—Sec. 31-14-47 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
3-17	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
6- 1	Essex-Hansen	.....	.....	.....	.0
7- 7	K. S. Essex	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
HUGHES CANAL—D-987a, D-987b					
Diverted from Niobrara River—Sec. 1-28-52 W.					
Measurements Made at Headgate					
11- 8	K. S. Essex	.....	.....	.....	0.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
HUGHES CANAL—Concluded					
4- 6	K. S. Essex	.....	.....	.....	0.0
5- 3	do	.....	.....	.....	.0
5-27	do	4.0	0.52	.....	2.1
6-21	do	.....	.....	.....	1.5
7-13	Essex-Rasmussen	.....	.....	.....	.0
8-28	K. S. Essex	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
HURLEY-LILLY-POLLY CANAL—D-354					
Diverted from Lodgepole Creek—Sec. 26-15-56 W.					
Measurements Made at Rating Flume					
11-14	K. S. Essex	.....	.....	.....	0.0
2-23	do	.....	.....	.....	.0
4-10	Essex-Dodd	.....	.....	.....	.0
5-16	Essex-Hanna	4.0	0.60	0.78	2.4
6- 2	K. S. Essex	2.2	.95	.35	2.2
7- 6	Essex-Hanna	3.0	.49	.61	1.5
9- 8	do	2.5	.90	.42	2.2
HUTZEL CANAL—A-704					
Diverted from White Clay Creek—Sec. 13-31-52 W.					
Measurements Made at Headgate					
4- 5	K. S. Essex	.....	.....	.....	0.0
5-21	Essex-Rasmussen	.....	.....	.....	.0
INDEPENDENT CANAL—D-343					
Diverted from Lodgepole Creek—Sec. 7-14-58 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.5
4-10	do	.....	.....	.....	.0
5-15	Essex-Hanna	.....	.....	.....	.0
6- 2	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.1
9- 7	do	.....	.....	.....	.0
INMAN CANAL—D-79, A-436					
Diverted from Frenchman River—Sec. 17-6-40 W.					
Measurements Made at Rating Flume					
10-18	K. S. Essex	.....	.....	.....	0.0
11-29	do	.....	.....	.....	.0
4-18	Essex-Dodd	.....	.....	.....	.0
5- 8	K. S. Essex	14.0	0.65	1.20	9.1
6- 6	do	13.6	.64	1.10	8.7
6-27	do	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
JENKINS CANAL—A-924					
Diverted from Buffalo Creek—Sec. 18-1-40 W.					
Measurements Made at Headgate					
4-21	Essex-Dodd	.....	.....	.....	0.0
8-17	Essex-Gerlach	.....	.....	.....	1.0
JOHNSON CANAL—D-511					
Diverted from Niobrara River—Sec. 36-31-57 W.					
Measurements Made at Headgate					
11- 7	K. S. Essex	.....	.....	.....	0.0
5- 2	do	.....	.....	.....	.0
5-26	Essex-Rasmussen	.....	.....	.....	.0
JOHNSON CANAL—A-612					
Diverted from Lodgepole Creek—Sec. 23-13-45 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
11-18	do	.....	.....	.....	.0
3-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
5-12	K. S. Essex	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
KEARNEY CANAL—D-1023, A-1577					
Diverted from Platte River and Sutherland Reservoir—Sec. 3-8-18 W.					
Measurements Made at Rating Flume North of Odessa— Sec. 33-9-17 W.					
10- 7	Fred Hervert	181.0	2.06	5.86	374.0
11- 4	A. W. Hall	182.0	2.17	6.05	395.3
11-18	do	179.3	2.19	5.95	393.5
12-17	do	159.0	1.57	5.35	249.5
2-17	do	127.2	1.67	5.92	212.2
3- 8	do	175.0	1.31	6.02	220.0
4- 3	do	176.2	2.11	5.90	370.7
4-24	do	147.1	2.04	5.35	300.0
5- 7	Fred Hervert	172.0	2.20	5.89	379.4
5-14	do	81.4	1.76	3.94	143.4
5-31	do	144.9	1.97	5.25	286.0
6-13	do	136.6	1.95	5.11	266.2
6-27	do	130.2	1.92	4.92	249.7
7- 9	do	84.8	1.63	3.95	138.6
7-22	do	52.8	1.42	3.31	74.9
7-26	do	49.2	1.29	3.15	63.5
7-30	do	30.8	1.02	2.65	31.5
8- 8	A. W. Hall	27.7	1.12	2.61	31.1
8-14	Fred Hervert	20.0	.76	2.42	15.3
8-29	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
KEARNEY POWER RETURN					
Sec. 12-8-16 W.					
10- 7	Hall-Hervert	101.8	3.56	2.23	362.0
11-18	A. W. Hall	104.2	3.83	2.43	398.5
12-17	do	100.5	2.75	1.80	276.1
3- 8	do	89.9	3.03	1.97	272.5
4- 3	do	100.4	3.60	2.34	361.2
4-24	do	91.2	3.34	1.87	305.2
5- 7	Fred Hervert	102.4	3.31	2.20	338.8
5-15	do	58.7	1.90	.86	111.5
6- 1	do	84.8	2.84	1.65	241.0
6-27	do	86.2	3.08	1.75	266.0
7-22	do	47.2	1.52	.56	71.7
7-26	do	12.6	1.24	.04	15.6
8- 8	A. W. Hall	3.7	.54	.48	2.0
KEITH-LINCOLN COUNTY CANAL—D-722					
Diverted from North Platte River—Sec. 18-14-36 W.					
Measurements Made at Rating Flume					
5-11	Fred Hervert	32.6	1.21	0.56	39.8
5-20	do	31.9	2.49	1.00	79.5
6-16	do	25.1	2.34	.81	58.8
7-11	do	32.5	1.43	.69	46.6
8-10	A. W. Hall	28.5	2.25	.94	64.1
8-18	Fred Hervert	29.8	2.02	.96	60.3
8-31	do	23.6	.88	.42	20.7
9-15	do	35.0	2.33	1.10	81.5
KEITH-LINCOLN COUNTY CANAL SPILL					
Sec. 23-14-34 W.					
5-20	Fred Hervert	13.0	2.75	1.06	35.7
6- 2	do	6.1	1.41	.50	8.6
6-16	do	5.8	1.15	.43	6.7
KELSO CANAL—A-2151, A-2279, A-2328, A-2456					
Diverted from Big Bordeaux Creek—Sec. 14-33-48 W.					
Measurements Made at Pump					
4-29	K. S. Essex	.....	.....	.....	0.0
5-20	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.3
7-31	Essex-Rasmussen	.....	.....	.....	.0
8-25	K. S. Essex	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
KENT-BURKE CANAL—A-1694					
Diverted from Pawnee Creek—Sec. 18-13-27 W.					
Measurements Made at Rating Flume					
9-13	Fred Hervert	1.3	1.41	0.17	1.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
KEYSTONE CANAL—D-730, A-662b, A-843, A-1003 Diverted from White Tail Creek—Sec. 26-15-38 W.					
Measurements Made at Headgate					
6- 8	Fred Hervert	11.0	0.55	.....	6.1
6-17	do	3.5	1.83	0.64	6.4
6-29	do	2.4	1.79	.44	4.3
KIMBALL CANAL, NORTH—A-897 Diverted from Lodgepole Creek and Oliver Reservoir, A-897— Sec. 36-15-57 W.					
Measurements Made below Headgate					
5-16	Essex-Hanna	5.0	1.08	1.30	5.1
6- 2	do	5.1	1.27	.....	6.5
7- 6	do	.....	.....	.92	2.1
7-27	do	4.8	.96	1.16	4.6
9- 7	do	.....	.....	.....	.0
9- 8	do	4.4	1.09	1.22	4.8
KIMBALL CANAL, SOUTH—A-897 Diverted from Lodgepole Creek and Oliver Reservoir, A-897— Sec. 36-15-57 W.					
Measurements Made at Headgate					
5-16	Essex-Hanna	7.6	2.16	1.54	16.4
6- 2	do	3.8	1.32	.80	5.0
7- 6	do	7.4	1.80	1.62	13.3
7-27	do	11.5	1.95	2.22	22.4
9- 7	do	7.7	2.18	1.70	16.8
KING CANAL, EAST—A-1440, A-1587 Diverted from Lawrence Fork Creek—Sec. 15-18-52 W.					
Measurements Made at Headgate					
10-15	Essex-Dodd	.....	.....	.....	0.0
4-25	K. S. Essex	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
9-12	do	1.5	1.12	.....	1.7
9-29	do	1.4	1.06	.....	1.5
KING CANAL, WEST—A-1440 Diverted from Lawrence Fork Creek—Sec. 15-18-52 W.					
Measurements Made at Headgate					
10-15	Essex-Dodd	.....	.....	.....	0.0
4-25	K. S. Essex	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
9-12	do	0.8	0.84	.....	.7
9-29	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
KINNEY CANAL, NORTH—D-348, A-718					
Diverted from Lodgepole Creek—Sec. 33-15-56 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-14	do	.....	.....	.....	.0
2-23	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5-16	Essex-Hanna	2.8	0.32	0.79	.9
6- 2	K. S. Essex	.8	.12	.52	.1
7- 6	Essex-Hanna	.9	.74	.88	.7
9- 8	do	.....	.....	.....	0
KINNEY CANAL, SOUTH—D-345, D-350, A-718R, A-1828					
Diverted from Lodgepole Creek—Sec. 31-15-56 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	1.0	1.65	0.25	1.7
11-14	do	.....	.....	.....	.0
2-23	do	.....	.....	.....	.0
4-10	Essex-Dodd	.....	.....	.....	.0
5-16	Essex-Hanna	.8	3.00	.22	2.4
6- 2	K. S. Essex	1.2	3.33	.32	4.0
7- 6	Essex-Hanna	2.6	.88	.65	2.3
9- 8	do	1.0	2.00	.25	2.0
KLAUSEN CANAL—A-2095					
Diverted from Middle Loup River—Sec. 36-14-14 W.					
Measurements Made at Headgate					
7-19	Fred Hervert	2.9	0.74	.....	2.1
KROTTER POWER CANAL—A-1021					
Diverted from Frenchman River—Sec. 35-5-34 W.					
Measurement Made at Intersection of Highway No. 6 and Canal					
5- 9	Essex-Gerlach	40.2	1.78	2.02	71.5
6- 7	K. S. Essex	37.6	1.62	1.82	60.8
6-28	do	54.0	2.08	2.74	112.2
7-20	do	33.6	1.66	1.61	55.8
8-15	do	42.4	1.70	1.98	72.1
KRUEGER CANAL NO. 1—D-325, D-968					
Diverted from Lodgepole Creek—Sec. 29-14-48 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-17	K. S. Essex	4.3	0.88	.....	3.8

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
KRUEGER CANAL NO. 1—Concluded					
6- 1	K. S. Essex	.....	.....	.....	0.8
7- 7	do	.....	.....	.....	1.6
9- 9	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.1
9-18	A. W. Hall	.....	.....	.....	.1
9-22	do	.....	.....	.....	.1
KRUEGER CANAL NO. 2—D-324					
Diverted from Lodgepole Creek—Sec. 32-14-48 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-17	K. S. Essex	.....	.....	.....	.0
6- 1	Essex-Hansen	.....	.....	.....	.0
7- 7	K. S. Essex	2.9	2.52	.....	7.3
9- 9	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
9-18	A. W. Hall	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
KRUEGER CANAL NO.3—D-323					
Diverted from Lodgepole Creek—Sec. 32-14-48 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-17	K. S. Essex	.....	.....	.....	1.6
6- 1	Essex-Hansen	5.4	0.46	.....	2.5
7- 7	K. S. Essex	.....	.....	.....	.0
9- 9	do	4.2	.49	.....	2.0
9-13	do	4.8	.53	.....	2.5
9-18	A. W. Hall	4.4	.40	.....	1.8
9-22	do	4.8	.38	.....	1.8
LaBELLE CANAL—D-518, A-60					
Diverted from Niobrara River—Sec. 6-28-54 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	.....	.....	.....	0.0
11- 7	do	.....	.....	.....	.0
4- 6	do	.....	.....	.....	.0
5- 3	do	1.2	5.08	.....	6.1
5-26	Essex-Rasmussen	3.6	2.39	0.95	8.6
6-21	K. S. Essex	3.6	1.19	.....	4.3
7-13	Essex-Rasmussen	.....	.....	.....	1.5
8-28	K. S. Essex	1.6	1.87	.....	3.0
9-23	do	2.4	2.04	.....	4.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
LAING CANAL—D-825					
Diverted from Lawrence Fork Creek—Sec. 28-18-52 W.					
Measurements Made at Headgate					
10-15	Essex-Dodd	.....	.....	.....	0.0
4-25	K. S. Essex	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
6-14	do	0.5	1.20	.....	.6
9-12	do	.....	.....	.....	.0
9-29	do	.....	.....	.....	.0
LAKOTAH CANAL—D-554					
Diverted from Niobrara River—Sec. 1-30-57 W.					
Measurements Made at Headgate					
11- 7	K. S. Essex	6.4	0.77	.....	4.9
5- 2	do	7.6	1.51	.....	11.5
5-26	Essex-Rasmussen	8.0	1.35	.....	10.8
LAST CHANCE CANAL—D-883					
Diverted from Pumpkinseed Creek—Sec. 27-19-50 W.					
Measurements Made at Rating Flume					
10-14	Essex-Dodd	.....	.....	.....	0.0
11-12	K. S. Essex	.....	.....	.....	.0
4-25	do	.....	.....	.....	.0
5- 5	do	.....	.....	.....	.0
5-18	do	6.6	1.24	1.10	8.2
6-14	do	4.8	1.54	.80	7.4
7- 3	do	.....	.....	.....	.0
8-12	do	5.7	.82	.84	4.7
9-11	do	4.5	1.47	.76	6.6
9-20	A. W. Hall	5.1	1.57	.80	8.0
9-29	K. S. Essex	4.2	1.55	.72	6.5
LEININGER PUMP—A-2395					
Diverted from Middle Loup River—Sec. 12-15-15 W.					
7-18	Fred Hervert	2.4	1.40	.....	3.4
LIBBY CANAL—D-312					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
6- 1	Essex-Hansen	.....	.....	.....	.0
7- 7	K. S. Essex	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
LIBBY CANAL—D-313					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
6- 1	Essex-Hansen	.....	.....	.....	.0
9- 9	K. S. Essex	.....	.....	.....	.0
LIBBY CANAL—D-314					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
7- 7	K. S. Essex	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
LIBBY CANAL—D-315					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
4-12	EssexDodd	.....	.....	.....	.0
6- 1	Essex-Hansen	.....	.....	.....	.0
7- 7	K. S. Essex	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
LICHTE CANAL—D-479, A-1086, A-1088, A-2523					
Diverted from Niobrara River—Sec. 27-29-48 W.					
Measurements Made at Headgate					
10- 3	K. S. Essex	11.7	1.21	.....	14.2
10- 7	do	10.3	1.16	.....	11.9
11- 4	do	8.6	1.14	.....	9.8
11- 8	do	8.7	1.07	.....	9.3
1-25	do	.....	.....	.....	.0
1-31	do	.....	.....	.....	.0
3-31	do	.....	.....	.....	.0
4- 7	do	.....	.....	.....	.0
4-26	do	8.2	1.28	.....	10.5
5- 1	do	9.9	1.31	.....	13.0
5-19	do	8.3	1.22	.....	10.1
5-24	Essex-Rasmussen	6.4	1.16	0.65	7.1
5-24	do	7.5	1.08	.76	8.1
5-27	K. S. Essex	7.9	1.15	.78	9.1
5-30	do	7.6	1.13	.80	8.6
6-15	do	9.7	.99	1.12	9.6
7-14	do	8.5	1.20	.82	10.2
8- 1	do	.....	.....	.....	.0
8-28	do	8.7	1.17	.....	10.2
9-23	do	8.3	1.04	.70	8.6

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
LISCO CANAL—D-787, D-856, A-243, A-991					
Diverted from North Platte River—Sec. 14-18-47 W.					
Measurements Made at 40-foot Weir—Sec. 24-18-47 W.					
(No measurements)					
LOGAN CANAL—D-902					
Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.					
Measurements Made at Headgate					
10-15	Essex-Dodd	.....	.....	.....	0.0
5- 6	K. S. Essex	.....	.....	.....	.0
7-18	do	.....	.....	.....	.5
7-29	do	.....	.....	.....	.5
9-12	do	.....	.....	.....	.5
LONERGAN CANAL—D-699					
Diverted from Lonergan Creek—Sec. 17-15-39 W.					
Measurements Made at Headgate					
5-11	Fred Hervert	1.3	0.92	.....	1.2
5-23	do	1.5	1.07	.....	1.6
6-17	do	.6	.50	.....	.3
6-29	do	1.0	.90	.....	.9
8- 5	A. W. Hall	3.2	.97	1.20	3.1
8-19	Fred Hervert	1.9	.90	.....	1.7
9-16	do	3.0	1.23	1.01	3.7
LOUP CITY STATE RECREATIONAL PARK CANAL					
Diverted from Middle Loup River—Sec. 18-15-14 W.					
7-19	Fred Hervert	3.9	0.20	.....	0.8
LYNGHOLM CANAL—D-337					
Diverted from Lodgepole Creek—Sec. 14-14-51 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-16	K. S. Essex	.....	.....	.....	.0
6- 3	do	1.1	0.82	.....	.9
7- 6	do	.....	.....	.....	1.5
9- 8	do	.....	.....	.....	.0
LYONS CANAL—D-803					
Diverted from North Platte River—Sec. 30-17-44 W.					
Measurements Made at Rating Flume					
6-20	Fred Hervert	9.6	1.12	1.15	10.8
7- 1	do	5.7	.35	.67	2.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
McAULIFFE CANAL—D-814					
Diverted from Lodgepole Creek—Sec. 21-13-45 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
5-13	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
McAULIFFE CANAL—A-1559					
Diverted from Lodgepole Creek Sec. 21-13-45 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
5-13	K. S. Essex	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
McCARTHY CANAL—D-749					
Diverted from White Tail Creek—Sec. 36-15-38 W.					
Measurements Made at Headgate					
5- 3	Fred Hervert	1.3	0.62	.....	0.8
5-20	do	.9	1.00	.....	.9
6- 8	do	1.3	.77	.....	1.0
6-17	do	1.6	.88	.....	1.4
6-29	do	.9	1.11	.....	1.0
8-19	do	.3	.46	.....	.1
9-16	do	.7	.71	.....	.5
McFARLAND CANAL—D-960					
Diverted from White Clay Creek—Sec. 35-32-52 W.					
Measurements Made at 2-foot Weir					
4- 5	K. S. Essex	2.0	0.91	.....	1.8
5-21	Essex-Rasmussen	2.0	1.25	0.65	2.5
McGINLEY-STOVER CANAL, NORTH—D-513a					
Diverted from Niobrara River—Sec. 25-29-56 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	.....	.....	.....	0.0
11- 7	do	8.1	0.77	.....	6.2
1-30	do	.....	.....	.....	.0
4- 6	do	.....	.....	.....	.0
5- 2	do	6.1	.85	.....	5.2
6-20	do	6.3	.71	.....	4.5
7-13	Essex-Rasmussen	6.6	.94	.....	6.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
McGINLEY-STOVER CANAL, SOUTH—D-513b					
Diverted from Niobrara River—Sec. 25-29-56 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	.....	.....	.....	0.0
11- 7	do	.....	.....	.....	.0
1-30	do	.....	.....	.....	.0
4- 6	do	.....	.....	.....	.0
5- 2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-13	Essex-Rasmussen	.....	.....	.....	.0
McINTOSH CANAL—D-351, A-734					
Diverted from Lodgepole Creek—Sec. 23-15-55 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.0
2-23	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-15	K. S. Essex	3.3	0.91	1.12	3.0
5-16	Essex-Hanna	3.3	.79	1.12	2.6
6- 3	do	1.4	1.00	1.02	1.4
7- 6	do	3.6	.17	1.28	.6
9- 8	do	2.8	.39	1.50	1.1
McLAUGHLIN CANAL—D-966					
Diverted from Lodgepole Creek—Sec. 25-14-48 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-13	K. S. Essex	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
McLAUGHLIN CANAL—D-566					
Diverted from Niobrara River—Sec. 9-28-52 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	7.7	0.73	.....	5.6
11- 8	do	.....	.....	.....	.0
4- 6	do	.....	.....	.....	.0
5- 3	do	.....	.....	.....	.0
5-27	do	9.4	.22	.....	2.1
6-21	do	.....	.....	.....	2.0
7-13	Essex-Rasmussen	5.0	.86	.94	4.3
8-28	K. S. Essex	1.9	.84	.....	1.6
9-23	do	1.4	1.07	.52	1.5

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
McMILLAN CANAL—A-2477R, A-2797					
Diverted from Middle Loup River—Sec. 23-21-22 W.					
Measurements Made at Headgate					
7-17	Fred Hervert	4.0	0.36	.....	1.4
MARANVILLE CANAL—D-70, D-71					
Diverted from Frenchman River—Sec. 12-6-41 W.					
Measurements Made at Headgate					
10-18	K. S. Essex	11.0	0.43	2.60	4.7
11-29	do	9.6	.20	.....	1.9
1-12	do	10.0	.28	.....	2.8
2- 7	do	9.6	.46	.....	4.4
2-28	do	9.2	.30	.....	2.8
3-21	do	.....	.....	.....	.0
4-18	Essex-Dodd	.....	.....	.....	.0
5- 8	K. S. Essex	.....	.....	.....	1.4
6- 6	do	7.6	.13	2.25	1.0
6-27	do	.....	.....	.....	.0
7-20	do	8.4	.30	2.60	2.5
8-14	do	.....	.....	.....	1.5
9-14	do	.....	.....	2.95	3.0
MARTENS PUMP—A-2801					
Diverted from Big Bordeaux Creek—Sec. 16-34-48 W.					
8-25	K. S. Essex	.....	.....	.....	0.0
MEEKER CANAL—D-4, D-7, D-8, D-9					
Diverted from Republican River—Sec. 15-3-31 W.					
Measurements Made at Headgate					
10-19	K. S. Essex	18.6	1.07	2.20	29.9
3-22	do	.....	.....	.....	.0
4-20	Essex-Dodd	.....	.....	.....	.0
5-10	K. S. Essex	15.6	1.54	1.93	24.0
6- 8	do	18.8	1.87	2.05	35.2
6-29	do	9.0	1.49	1.46	13.4
7-21	do	15.5	1.65	1.95	25.6
8-17	Essex-Gerlach	16.4	1.60	2.02	26.2
9-16	K. S. Essex	13.6	1.40	1.85	19.0
MEGLEMRE CANAL—A-294, A-853					
Diverted from Greenwood Creek—Sec. 3-18-50 W.					
Measurements Made at Rating Flume					
10-14	Essex-Dodd	0.8	1.50	.....	1.2
11-12	K. S. Essex	.....	.....	.....	.0
4-25	do	.....	.....	.....	.1
5- 5	do	.8	.88	.....	.7
6-14	do	.....	.....	.....	.5
7- 3	do	.....	.....	.....	.2
9-11	do	.....	.....	.....	.3
9-29	do	2.1	1.43	.....	3.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MEREDITH-AMMER CANAL—D-876					
Diverted from Pumpkinseed Creek—Sec. 23-19-50 W.					
Measurements Made at Rating Flume					
10-14	Essex-Dodd	2.4	1.75	0.40	4.2
11-12	K. S. Essex	.....	.....	.....	.0
4-25	do	2.1	1.52	.35	3.2
5- 5	do	3.2	1.75	.54	5.6
5-18	do	4.7	1.98	.80	9.3
6-14	do	.....	.....	.....	.7
7- 3	do	2.4	2.12	.37	5.1
8-12	do	4.4	2.14	.76	9.4
9-11	do	2.4	1.83	.38	4.4
9-18	A. W. Hall	2.0	1.75	.34	3.5
9-29	K. S. Essex	2.1	1.71	.36	3.6
MERIDIAN CANAL—D-459, A-469					
Diverted from Niobrara River—Sec. 25-29-50 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	4.5	0.96	.....	4.3
11- 8	do	3.0	.50	.....	1.5
4- 7	do	.....	.....	.....	.0
5- 1	do	.....	.....	.....	.0
5-27	do	5.4	1.56	1.60	8.4
6-21	do	4.2	1.26	1.30	5.3
7-14	do	2.4	.54	.80	1.3
8-28	do	4.5	1.73	1.60	7.8
9-23	do	5.1	1.25	1.70	6.4
METTLEN CANAL—A-292, A-1248, A-2244					
Diverted from Niobrara River—Sec. 4-28-54 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	.....	.....	.....	0.0
11- 7	do	.....	.....	.....	.0
4- 6	do	.....	.....	.....	.0
5- 3	do	4.1	0.71	.....	2.9
5-26	do	6.4	.56	.....	3.6
6-21	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
9-23	do	1.5	1.33	.....	2.0
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT,					
CANAL NO. 1—A-2293, A-2678					
Diverted from Middle Loup River—Sec. 10-19-18 W.					
Measurements Made at Rating Flume—Sec. 14-19-18 W.					
10- 7	H. S. Peters	11.4	1.47	2.10	16.8
10-14	do	9.6	1.28	1.99	12.3
10-21	do	9.5	1.49	2.01	14.2

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 1—Concluded					
10-28	H. S. Peters	7.5	1.52	1.91	11.4
4- 6	G. Travis	12.8	1.87	2.27	24.0
4-14	do	10.3	1.12	1.81	11.5
4-21	do	9.5	1.31	1.79	12.4
4-28	do	8.7	1.63	1.87	14.2
5- 5	do	10.3	1.57	2.00	16.2
5-12	do	8.5	1.39	1.86	11.8
5-19	do	6.3	1.41	1.72	8.9
5-26	do	9.8	1.67	2.07	16.4
6- 2	do	11.0	1.29	2.02	14.2
6- 9	do	11.5	1.95	2.23	22.4
6-16	do	6.4	1.38	1.76	8.8
6-23	do	7.9	1.53	1.94	12.1
7- 7	do	12.8	1.36	2.25	17.4
7-14	do	15.4	2.05	2.70	31.6
7-17	Hervert-Travis	16.5	2.19	2.91	36.1
7-21	G. Travis	14.1	2.08	2.51	29.3
7-28	do	17.1	2.32	3.03	39.7
8- 4	do	16.0	2.25	2.82	36.0
8-11	do	14.5	2.00	2.54	29.0
8-18	do	14.9	2.07	2.61	30.8
8-25	do	15.2	2.08	2.67	31.6
9- 1	do	14.7	1.99	2.58	29.2
9- 8	do	14.7	1.93	2.58	28.4
9-15	do	14.7	1.99	2.58	29.2
9-22	do	13.9	1.79	2.44	24.9
9-29	do	14.6	1.79	2.56	26.1

**MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT,
CANAL NO. 2—A-2293, A-2678**

Diverted from Middle Loup River—Sec. 10-19-18 W.

Measurements Made at Rating Flume—Sec. 14-19-18 W.

4- 6	G. Travis	9.6	1.52	1.29	14.6
4-14	do	7.7	1.43	1.19	11.0
4-28	do	8.9	1.65	1.33	14.7
5- 5	do	10.4	1.70	1.50	17.7
5-12	do	14.1	1.62	1.71	22.8
5-19	do	13.0	1.80	1.69	23.4
5-26	do	15.7	1.87	1.85	29.3
6- 9	do	12.3	.75	1.37	9.2
6-16	do	9.3	1.43	1.45	13.3
6-23	do	8.4	.50	1.20	4.2
7- 7	do	9.9	.92	1.40	9.1
7-14	do	14.8	1.68	1.78	24.9
7-17	Hervert-Travis	20.2	2.16	2.24	43.8
7-21	G. Travis	21.6	2.25	2.36	48.5

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 2—Concluded					
7-28	G. Travis	23.7	2.37	2.56	56.2
8- 4	do	21.8	2.16	2.42	47.2
8-11	do	20.9	2.12	2.43	44.4
8-18	do	21.4	2.21	2.49	47.3
8-25	do	21.5	2.07	2.50	44.5
9- 1	do	21.6	2.18	2.51	47.0
9- 8	do	21.1	2.04	2.51	42.9
9-15	do	20.2	2.11	2.50	42.7
9-22	do	19.4	1.88	2.48	36.4
9-29	do	18.3	1.71	2.42	31.2
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 3—A-2293, A-2678 Diverted from Middle Loup River—Sec. 1-17-17 W. Measurements Made at Rating Flume—Sec. 6-17-16 W.					
10- 7	H. S. Peters	19.3	2.44	1.10	44.1
10-13	do	19.0	2.30	1.15	43.6
10-21	do	18.2	2.30	1.14	41.9
10-28	do	16.3	1.96	1.04	32.0
4- 5	G. Travis	14.4	1.18	1.11	17.0
4-15	do	17.3	1.65	1.49	28.6
4-22	do	14.4	1.80	1.50	26.0
4-29	do	20.2	2.04	1.69	41.2
5- 6	do	23.8	2.12	1.86	50.6
5-13	do	19.6	1.99	1.83	39.0
5-20	do	23.1	1.99	1.92	45.9
5-27	do	18.7	1.80	1.81	33.7
6- 3	do	14.3	1.61	1.76	23.8
6-10	do	15.5	.89	1.63	13.8
6-17	do	11.1	1.03	1.56	11.4
6-24	do	12.7	.90	1.53	11.4
7- 1	do	14.6	1.53	1.75	22.4
7- 8	do	18.6	1.88	1.85	34.9
7-15	do	31.4	1.51	2.39	47.6
7-16	Fred Hervert	32.0	1.51	2.45	48.4
7-22	G. Travis	32.9	2.23	2.58	73.7
7-29	do	30.3	2.20	2.59	66.6
8- 5	do	29.4	2.10	2.66	61.7
8-12	do	24.4	2.14	2.64	52.1
8-19	do	25.1	1.80	2.64	45.3
8-26	do	25.4	1.78	2.69	45.3
9- 2	do	22.2	1.79	2.60	39.7
9- 9	do	23.4	1.67	2.63	39.0
9-16	do	22.9	1.62	2.63	37.2
9-23	do	24.1	1.50	2.65	36.1
9-30	do	23.5	1.53	2.62	35.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT,					
CANAL NO. 4—A-2293, A-2678					
Diverted from Middle Loup River—Sec. 36-18-17 W.					
Measurements Made at Rating Flume—Sec. 31-18-16 W.					
10- 7	H. S. Peters	21.5	1.75	1.67	34.9
10-12	do	22.6	1.49	1.70	33.8
10-21	do	19.0	1.27	1.48	24.2
10-28	do	21.0	1.32	1.59	27.8
4- 5	G. Travis	16.7	.98	1.52	16.3
4-15	do	12.7	1.51	1.91	19.2
4-22	do	12.6	1.44	1.95	18.1
4-29	do	16.7	1.35	2.09	22.6
5- 6	do	24.3	1.70	2.48	41.3
5-13	do	21.7	1.67	2.38	36.3
5-20	do	19.3	1.88	2.42	36.3
5-27	do	20.0	1.58	2.41	31.6
6- 3	do	21.3	1.49	2.50	31.8
6-10	do	18.2	1.78	2.47	32.4
6-17	do	17.8	1.28	2.31	22.8
6-24	do	18.1	1.36	2.40	24.6
7- 1	do	9.4	1.33	2.14	12.5
7- 8	do	18.6	1.39	2.41	25.9
7-15	do	22.5	1.92	2.72	43.2
7-15	do	36.2	2.36	3.34	85.4
7-16	Fred Hervert	36.9	2.09	3.35	77.1
7-22	G. Travis	37.9	2.25	3.48	84.5
7-29	do	34.4	2.02	3.24	69.6
8- 5	do	33.8	1.96	3.26	66.3
8-12	do	27.5	1.77	2.98	48.8
8-19	do	27.7	1.60	2.93	44.2
8-26	do	28.3	1.59	2.95	44.9
9- 2	do	23.3	1.43	2.71	33.4
9- 9	do	25.9	1.70	2.88	44.0
9-16	do	28.3	1.55	2.93	43.8
9-23	do	31.0	1.50	3.06	46.4
9-30	do	33.3	1.48	3.05	49.4

MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT,
SPILL FROM CANAL NO. 1

Returned to Middle Loup River via Spring Creek

Measurements Made at Rating Flume—Sec. 27-18-17 W.

4-14	G. Travis	8.9	0.51	1.88	4.5
5- 5	do	5.6	.18	1.19	1.0
5-12	do	7.4	.85	1.55	6.3
5-26	do	4.5	1.67	.94	7.5
6- 2	do	6.0	2.99	1.26	17.9
6- 9	do	4.5	2.07	.94	9.3
6-16	do	1.6	.31	.33	.5

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM CANAL NO. 1—Concluded					
6-23	G. Travis	7.2	0.81	1.52	5.8
7- 7	do	6.1	1.74	1.28	10.6
7-28	do	11.0	.26	2.28	2.9
8- 4	do	10.7	.25	2.26	2.7
8-11	do	9.2	.48	1.93	4.4
8-25	do	8.7	.34	1.83	3.0
9- 1	do	8.6	.36	1.82	3.1
9- 8	do	8.1	.12	1.70	1.0
9-22	do	10.6	.22	2.24	2.3
9-29	do	11.2	.29	2.36	3.2
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM CANAL NO. 2 Returned to Middle Loup River					
Measurements Made at Rating Flume—Sec. 11-18-17 W.					
4-14	G. Travis	6.3	0.25	1.06	1.6
4-28	do	3.2	.66	.54	2.1
5-12	do	6.6	1.80	1.14	11.9
5-19	do	3.5	1.06	.62	3.7
5-26	do	6.6	2.15	1.17	14.2
6-16	do	2.8	1.92	.78	5.4
6-23	do	2.5	1.00	.64	2.5
7-21	do	3.7	1.41	.77	5.2
7-28	do	8.0	2.08	1.44	16.6
8- 4	do	6.8	1.87	1.19	12.7
8-11	do	7.6	1.71	1.34	13.0
8-18	do	6.2	1.37	1.08	8.5
8-25	do	5.2	2.19	.92	11.4
9- 1	do	5.9	1.83	1.04	10.8
9- 8	do	7.4	2.54	1.30	18.8
9-15	do	6.5	2.37	1.14	15.4
9-22	do	6.5	2.48	1.14	16.1
9-29	do	7.1	2.69	1.25	19.1
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM CANAL NO. 3 Returned to Middle Loup River via Wiggle Creek					
Measurements Made at Rating Flume—Sec. 6-14-14 W.					
4-17	G. Travis	8.0	1.21	1.40	9.7
4-22	do	7.1	1.18	1.25	8.4
4-29	do	5.4	1.07	.93	5.8
5- 6	do	6.8	1.22	1.22	8.3
5-13	do	9.4	1.53	1.64	14.4
5-20	do	7.4	1.27	1.31	9.4
6- 3	do	9.9	1.45	1.74	14.4
6-10	do	5.2	.62	.91	3.2

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM CANAL NO. 3—Concluded					
6-24	G. Travis	3.2	1.37	0.88	4.4
7- 1	do	6.3	1.48	1.30	9.3
7- 8	do	3.0	.83	.80	2.5
7-27	do	8.8	1.74	1.64	15.3
7-29	do	5.1	1.53	1.15	7.8
8- 5	do	2.8	.93	.89	2.6
8-12	do	6.1	1.11	1.19	6.8
8-19	do	3.9	1.10	1.03	4.3
8-26	do	4.2	1.24	1.06	5.2
9- 2	do	4.6	1.30	1.13	6.0
9- 9	do	3.1	.94	.97	2.9
9-16	do	4.5	1.29	1.09	5.8
9-23	do	6.3	1.40	1.26	8.8
9-30	do	5.1	1.22	1.17	6.2
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM CANAL NO. 4 Returned to Middle Loup River					
Measurements Made at Rating Flume—Sec. 10-14-14 W.					
5- 6	G. Travis	9.8	1.03	1.28	10.1
5-27	do	11.4	1.75	1.49	19.9
6- 3	do	9.4	1.73	1.23	16.3
6-10	do	3.2	.81	.42	2.6
6-17	do	4.9	1.22	.64	6.0
6-24	do	4.3	1.37	.56	5.9
7-29	do	7.5	1.44	1.02	10.8
8- 5	do	8.2	1.32	1.11	10.8
8-12	do	8.2	1.06	1.10	8.7
8-19	do	6.3	1.06	.84	6.7
8-26	do	8.6	1.36	1.13	11.7
9- 2	do	4.5	.51	.60	2.3
9-23	do	3.5	.29	.47	1.0
9-30	do	7.6	1.14	1.01	8.7
MIDLAND-OVERLAND CANAL—D-789, D-791, D-800R Diverted from North Platte River—Sec. 2-16-44 W.					
Measurements Made at Rating Flume					
6- 6	Fred Hervert	9.3	0.73	1.24	6.8
6-16	do	14.0	1.11	1.90	15.6
7- 1	do	10.0	.88	1.39	8.3
MINATARE CANAL—D-919 Diverted from North Platte River—Sec. 32-22-54 W.					
Measurements Made at Rating Flume					
5- 9	H. H. Odell	34.2	1.72	0.79	58.7
5-24	do	47.2	2.96	1.80	139.7

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MINATARE CANAL—Concluded					
6- 7	H. H. Odell	45.8	1.60	0.98	73.3
6-21	do	21.9	1.39	.60	30.2
7- 5	do	37.1	2.50	1.38	92.6
7-20	H. P. Eisenhuth	2.8	.50	.10	1.4
7-26	do	35.7	2.90	1.38	103.5
8- 2	do	34.6	3.07	1.34	106.2
8-16	do	27.1	3.24	1.10	87.9
9- 6	do	41.8	1.78	1.06	74.6
9-20	do	36.4	1.77	.90	64.4

MINATARE CANAL SPILL
Near McGrew—Sec. 21-21-53 W.

5- 9	H. H. Odell	1.2	1.42	0.21	1.7
6- 7	do	1.8	1.00	.14	1.8
6-21	do	2.6	3.50	.44	9.1
7-20	H. P. Eisenhuth	.....	.....	.....	.0
7-26	do	3.2	3.31	.49	10.6
8- 1	do	3.3	5.37	.72	17.7
8-15	do	7.2	.78	.35	5.6
9- 5	do	4.3	.67	.22	2.9
9-20	do	5.2	.73	.23	3.8
9-30	Essex-Eisenhuth	4.6	6.76	.96	31.1

MITCHELL CANAL
Diverted from North Platte River—Sec. 10-23-60 W., Wyoming
Measurements Made at Rating Flume

10-13	H. H. Odell	2.6	0.96	0.20	2.5
11- 4	do	1.2	1.08	-.04	1.3
4-27	do	3.4	1.05	-.02	3.6
5- 4	do	50.6	2.37	1.08	120.0
5- 9	do	61.4	2.29	1.40	141.0
5-18	John A. Whiting, Jr.	.....	.....	1.56	166.0
5-22	H. H. Odell	72.7	2.30	1.68	167.0
5-25	John A. Whiting, Jr.	.....	.....	1.82	170.0
5-27	do	.....	.....	2.08	207.0
6- 5	Jack E. Beaver	.....	.....	1.90	186.5
6- 8	H. H. Odell	84.7	2.28	1.91	193.0
6-22	do	2.9	.96	-.08	2.8
7- 6	do	84.0	2.26	1.94	190.0
7-10	John A. Whiting, Jr.	84.2	2.28	1.94	192.0
7-21	H. P. Eisenhuth	2.6	1.05	.20	2.7
8- 3	do	38.1	1.74	.80	66.4
8-10	do	83.8	2.26	1.92	189.0
8-17	do	2.8	1.02	-.04	2.9
8-29	John A. Whiting, Jr.	.....	.....	.94	88.0
9- 1	H. P. Eisenhuth	31.4	2.07	.73	64.9

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MITCHELL CANAL—Concluded					
9- 7	H. P. Eisenhuth	30.4	2.28	0.77	69.1
9-12	John A. Whiting, Jr.	.....	.....	1.54	147.8
9-13	Eisenhuth-Hall	82.4	2.28	1.89	188.0
9-19	John A. Whiting, Jr.	.....	.....	1.89	180.0
9-23	H. P. Eisenhuth	50.4	2.12	1.12	107.0
9-26	John A. Whiting, Jr.	.....	.....	1.13	102.0
MITCHELL FACTORY CANAL—A-1582					
Diverted from Dry Spotted Tail Creek—Sec. 20-23-56 W.					
Measurements Made at Sec. 21-23-56 W.					
5-16	H. H. Odell	.....	.....	.....	11.9
6- 3	do	.....	.....	.....	7.2
6-15	do	.....	.....	.....	.0
6-27	Odell-Eisenhuth	.....	.....	.....	.0
7-13	H. H. Odell	.....	.....	.....	.0
7-27	H. P. Eisenhuth	3.6	1.61	.....	5.8
8-10	do	.....	.....	.....	.0
8-24	do	3.4	.82	.....	2.8
9-15	do	.....	.....	.....	.0
9-28	do	.....	.....	.....	.0
MITCHELL FACTORY CANAL SPILL					
Mitchell—Sec. 28-23-56 W.					
10-12	H. H. Odell	4.4	1.96	.....	8.6
11- 2	do	9.0	1.88	.....	16.9
12- 1	do	6.3	1.33	.....	8.4
1- 5	do	2.0	1.44	.....	2.9
2- 3	do	.....	.....	.....	.0
3- 2	do	.....	.....	.....	.0
4- 4	do	.....	.....	.....	.0
4-20	do	.....	.....	.....	.0
5- 3	do	.....	.....	.....	.0
5-16	do	.....	.....	.....	.0
6- 3	do	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
6-27	Odell-Eisenhuth	.....	.....	.....	.0
7-13	H. H. Odell	.....	.....	.....	.0
7-27	H. P. Eisenhuth	.8	.12	.....	.1
8- 9	do	.8	.12	.....	.1
8-23	do	.9	.22	.....	.2
9-14	do	1.0	.10	.....	.1
9-27	do	.3	.30	.....	.1
MONROE CANAL, BIG—D-506, A-2372					
Diverted from Monroe Creek—Sec. 33-33-56 W.					
Measurements Made at Headgate					
10-11	Essex-Rasmussen	0.9	0.56	.....	0.5
5- 2	K. S. Essex	.9	.50	.....	.4
6-20	do	.8	.50	.....	.4
7-15	do	.....	.....	.....	.2
8- 8	do	.....	.....	.....	.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MONTAGUE CANAL—A-575					
Diverted from Niobrara River—Sec. 27-29-48 W.					
Measurements Made at Headgate					
10- 3	K. S. Essex	6.0	0.56	.....	3.4
10- 7	do	6.7	.47	.....	3.1
11- 4	do	4.5	.78	.....	3.5
11- 8	do	2.0	.16	.....	.3
1-25	do	.....	.....	.....	.0
1-31	do	.....	.....	.....	.0
3-31	do	.....	.....	.....	.0
4- 7	do	.....	.....	.....	.0
4-26	do	.....	.....	.....	.0
5- 1	do	3.1	.77	.....	2.4
5-19	do	3.3	.79	1.12	2.6
5-25	Essex-Rasmussen	3.5	.60	1.18	2.1
5-27	K. S. Essex	2.6	.58	1.00	1.5
5-30	do	2.5	.44	.92	1.1
6-15	do	.....	.....	.....	.0
7-14	do	5.0	.68	1.18	3.4
8- 1	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.5
9-23	do	3.2	.66	.....	2.1
MONTAGUE CANAL—A-2266					
Diverted from Niobrara River—Sec. 28-29-48 W.					
7-14	K. S. Essex	1.2	0.75	.....	0.9
MONTGOMERY CANAL—D-559					
Diverted from Sow Belly Creek—Sec. 21-33-55 W.					
Measurements Made at Headgate					
10-11	Essex-Rasmussen	.....	.....	.....	0.1
5- 2	K. S. Essex	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7 15	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.0
MOORE CANAL—A-88					
Diverted from Niobrara River—Sec. 9-28-53 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	5.5	1.40	.....	7.7
11- 8	do	.....	.....	.....	.0
4- 6	do	.....	.....	.....	.0
5- 3	do	.....	.....	.....	.0
5-27	do	4.3	1.58	1.40	6.8
6 21	do	4.4	1.61	.....	7.1
7-13	do	1.8	.72	.78	1.3
8-28	do	3.5	1.23	.....	4.3
9-23	do	3.6	1.31	1.28	4.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
------	--------------	-----------------	---------------	-------------	--------------------

MUTUAL CANAL—D-843

Diverted from Pumpkinseed Creek—Sec. 33-19-52 W.

Measurements Made at Rating Flume

10-14	Essex-Dodd	.....	.....	.....	0.0
4-25	K. S. Essex	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7-29	do	0.6	7.00	0.45	4.2
8-12	do	1.0	7.00	.60	7.0
9-11	do	3.7	1.22	1.05	4.5
9-29	do	3.2	1.16	.98	3.7

NASLUND CANAL—A-661

Diverted from Lodgepole Creek—Sec. 1-12-45 W.

Measurements Made at Headgate

10-28	K. S. Essex	.....	.....	.....	0.0
11-18	do	.....	.....	.....	.0
5-12	do	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0

NELSON CANAL—D-845

Diverted from Greenwood Creek—Sec. 33-18-50 W.

Measurements Made at Headgate

10-14	Essex-Dodd	3.3	1.30	.....	4.3
11-12	K. S. Essex	.....	.....	.....	.0
4-25	do	.....	.....	.....	.0
5- 5	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
8-12	do	2.4	1.37	.....	3.3
9-11	do	3.9	1.15	.....	4.5
9-29	do	.....	.....	.....	.0

NEUMAN CANALS, NO. 1 AND NO. 2—A-565

Diverted from Lodgepole Creek—Sec. 36-13-45 W.

Measurements Made at Headgate

10-28	K. S. Essex	.....	.....	.....	0.0
11-18	do	.....	.....	.....	.0
3-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
5-12	K. S. Essex	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.5
9-13	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NEUMAN CANAL—A-611, A-1445					
Diverted from Lodgepole Creek—Sec. 26-13-45 W.					
Measurements Made at Headgate					
10-28	K. S. Essex	.....	.....	.....	0.0
11-18	do	.....	.....	.....	.0
3-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
5-12	K. S. Essex	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	4.0	0.73	.....	2.9
9-13	do	.....	.....	.....	0
NIEHUS CANAL—A-550					
Diverted from Lawrence Fork Creek—Sec. 11-18-52 W.					
Measurements Made at Headgate					
10-15	Essex-Dodd	.....	.....	.....	.0
4-25	K. S. Essex	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
9-29	do	.....	.....	.....	.0
NINE MILE CANAL—D-925					
Diverted from North Platte River—Sec. 13-21-54 W.					
Measurements Made at Rating Flume—Sec. 16-21-53 W.					
10- 4	H. H. Odell	13.4	3.73	2.11	50.1
4-27	do	.....	.....	1.18	.3
5- 9	do	6.4	2.94	1.66	18.8
5-24	do	21.8	3.49	2.55	76.1
6- 7	do	17.7	3.58	2.31	63.4
6-21	do	8.0	3.80	1.86	30.4
7- 5	Odell-Higby	19.0	3.63	2.42	68.9
7-20	H. P. Eisenhuth	.8	.38	1.23	.3
8- 1	do	1.9	.68	1.24	1.3
8-15	do	16.1	3.71	2.27	59.7
9- 5	do	14.4	3.70	2.16	53.2
9-20	do	14.4	3.81	2.17	54.9
NISSEN CANAL—A-606					
Diverted from Sand Creek—Sec. 10-15-40 W.					
Measurements Made at Headgate					
5-23	Fred Hervert	1.4	1.14	.....	1.6
NORMAN-BARRON CANAL—A-1953, A-2024					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made at Headgate					
10- 7	K. S. Essex	.....	.....	.....	0.0
3-13	do	1.5	1.60	.....	2.4
4- 5	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NORMAN CANAL—A-1614, A-1704, A-1952 Diverted from Indian Creek—Sec. 16-32-50 W. Measurements Made at Headgate					
5-20	K. S. Essex	.....	.....	.....	0.1
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, TAYLOR-ORD CANAL—A-2312 Diverted from North Loup River—Sec. 13-21-19 W. Measurements Made at Rating Flume—Sec. 20-21-18 W.					
4-18	C. J. Wilson	34.0	1.74	2.40	59.2
4-29	do	54.6	1.71	3.50	93.4
5- 2	do	58.3	1.64	3.60	95.5
7-13	do	51.3	2.11	3.50	108.1
7-25	do	68.2	2.40	4.22	163.4
8-17	do	58.5	2.11	3.70	123.1
9-11	Hervert-Wilson	32.3	1.46	2.71	47.3
9-21	C. J. Wilson	40.6	1.64	3.09	66.5
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, BURWELL-SUMTER CANAL—A-2312 Diverted from North Loup River—Sec. 14-21-16 W. Measurements Made at Rating Flume—Sec. 19-21-15 W.					
4-28	C. J. Wilson	29.0	1.19	1.90	34.6
5- 2	do	55.6	.81	3.46	46.9
7-25	do	65.6	1.50	4.14	98.5
8-17	do	55.7	.68	3.60	37.7
9-11	Hervert-Wilson	55.4	.40	3.50	21.9
9-22	C. J. Wilson	19.5	.99	3.58	19.3
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, ORD-NORTH LOUP CANAL—A-2312 Diverted from North Loup River—Sec. 27-19-14 W. Measurements Made at Rating Flume—Sec. 36-19-14 W.					
4-13	C. J. Wilson	13.7	0.95	1.16	13.0
4-20	do	19.0	1.23	1.40	23.3
4-22	do	24.0	1.11	1.60	26.6
4-27	do	28.2	1.23	1.90	34.7
5- 2	do	41.2	1.27	2.60	52.3
5-20	do	28.4	1.27	1.86	36.0
7-14	do	60.1	1.58	3.76	94.9
7-24	do	54.6	1.69	3.56	92.1
8-17	do	33.2	1.55	2.30	51.6
9-11	Fred Hervert	20.3	1.23	1.53	25.0
9-22	C. J. Wilson	24.3	1.24	1.70	30.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT,					
SPILL FROM TAYLOR-ORD CANAL					
Returned to North Loup River via Dane Creek					
Measurements Made below Weir—Sec. 16-19-14 W.					
9-11	Fred Hervert	3.5	2.37	0.87	8.3
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT,					
SPILL FROM ORD-NORTH LOUP CANAL					
Returned to North Loup River					
Measurements Made below Weir—Sec. 8-17-12 W.					
9-11	Fred Hervert	4.7	0.68	0.47	3.2
9-22	L. E. Walford	7.6	1.33	.....	10.1
NORTH PLATTE CANAL—D-635					
Diverted from North Platte River—Sec. 13-14-34 W.					
Measurements Made at Rating Flume					
5-10	Fred Hervert	50.2	3.28	1.61	164.8
5-20	do	54.0	3.16	1.62	171.0
6- 2	do	29.5	2.76	.84	81.6
6-15	do	56.9	3.38	1.78	193.0
7- 6	do	27.7	2.95	.79	81.7
8-18	do	50.3	3.24	1.51	162.9
8-31	do	55.8	1.04	1.68	185.6
9-15	do	55.3	3.46	1.68	191.4
9-28	A. W. Hall	29.8	3.46	.98	103.1
NORTH PLATTE CANAL SPILL					
To Scout Creek—Sec. 24-14-31 W.					
10-14	A. W. Hall	.....	.....	.....	0.0
5-10	Fred Hervert	8.6	2.52	1.43	21.6
5-18	do	.7	1.00	.13	.7
6- 2	do	2.0	1.25	.24	2.5
6-10	do	6.2	2.39	1.05	14.8
6-28	do	8.8	2.75	1.46	24.2
7-10	do	1.4	.57	.15	.8
8-17	do	.....	.....	.04	.2
8-20	do	.4	1.00	.12	.4
9-14	do	.....	.....	.07	.2
9-28	A. W. Hall	3.9	2.16	.63	8.4
NORTH PLATTE CANAL SPILL					
Cook Spillway—Sec. 26-14-31 W.					
10-14	A. W. Hall	.....	.....	.....	0.0
11- 5	do	16.2	1.67	1.69	27.1
5-10	Fred Hervert	19.9	2.56	2.66	51.3
5-19	do	6.6	1.77	1.15	11.7
6-10	do	18.6	2.40	2.23	44.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NORTH PLATTE CANAL SPILL					
North Platte—Sec. 29-14-30 W.					
8-17	Fred Hervert	2.7	1.41	1.01	3.8
8-30	do	1.5	.93	.89	1.4
9-14	do	2.1	1.24	1.02	2.6
NORTHPORT CANAL—A-768					
Diverted from North Platte River and Pathfinder Reservoir— Sec. 3-23-58 W.					
Measurements Made at Red Willow, Parshall Flume—Sec. 14-21-51 W.					
8-22	H. P. Eisenhuth	84.1	1.78	2.12	149.3
OBERFELDER CANAL—D-306					
Diverted from Lodgepole Creek—Sec. 31-14-46 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
1-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
OBERFELDER CANAL—D-333					
Diverted from Lodgepole Creek—Sec. 31-14-46 W.					
Measurements Made at Headgate					
11-17	K. S. Essex	.....	.....	.....	0.0
4-12	Essex-Dodd	.....	.....	.....	.0
O'DONNELL CANAL—A-432, A-2036					
Diverted from Big Bordeaux Creek—Sec. 9-34-48 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
4-29	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
7-14	do	2.9	1.28	.....	3.7
7-31	Essex-Rasmussen	1.2	.33	.....	.4
8-25	K. S. Essex	.....	.....	.....	.0
OLIVER BROS. CANAL—A-1284					
Diverted from Frenchman River—Sec. 7-5-35 W.					
5- 9	Essex-Gerlach	3.2	1.06	1.52	3.4
ORCHARD-ALFALFA CANAL—D-627					
Diverted from Platte River and Sutherland Reservoir— Sec. 9-10-24 W.					
Measurements Made at Rating Flume—Sec. 10-10-24 W.					
11- 5	A. W. Hall	37.1	1.37	2.58	52.2
11-17	do	37.1	1.47	2.52	54.6
5- 9	Fred Hervert	29.6	1.37	2.07	41.5

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ORCHARD-ALFALFA CANAL—Concluded					
5-17	Fred Hervert	35.6	1.70	2.48	60.8
5-29	do	14.5	1.04	1.00	15.2
6-26	do	4.4	.34	.37	1.5
7- 8	do	19.5	.96	1.50	18.7
7-22	W. Doolittle	22.9	1.08	1.74	24.7
7-22	Fred Hervert	23.7	1.21	1.82	28.7
7-28	do	35.1	1.10	2.62	38.6
7-30	do	29.3	1.20	2.21	35.3
OSHKOSH CANAL—D-797, A-243					
Diverted from North Platte River—Sec. 33-17-44 W.					
Measurements Made at Rating Flume					
10-15	A. W. Hall	11.7	0.82	1.66	9.6
6-20	Fred Hervert	11.0	.65	1.67	7.1
7- 5	do	16.0	.62	2.16	10.0
OTTER CREEK CANAL—D-1032, A-1, A-1198, A-1240					
Diverted from Otter Creek—Sec. 5-15-40 W.					
Measurements Made at Headgate					
5-11	Fred Hervert	2.8	0.86	.....	2.4
6- 7	do	.7	.71	0.83	.5
6-29	do	1.8	.72	.95	1.3
8-19	do	3.6	.94	1.25	3.4
9-16	do	2.6	1.04	1.05	2.7
OWASCO CANAL—D-347, A-725					
Diverted from Lodgepole Creek—Sec. 29-15-55 W.					
Measurements Made at Rating Flume					
10-25	K. S. Essex	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.0
3-16	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-16	Essex-Hanna	2.5	1.40	0.34	3.5
6- 2	K. S. Essex	3.0	2.20	.48	6.6
7- 5	do	3.2	1.28	.38	4.1
7-27	do	1.8	1.50	.30	2.7
9- 8	Essex-Hanna	2.0	1.40	.30	2.8
OWASCO CANAL (BAY STATE LATERAL)—D-347R					
Diverted from Lodgepole Creek—Sec. 29-15-55 W.					
Measurements Made out of Owasco Canal					
10-25	K. S. Essex	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.0
2-23	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
OWASCO CANAL—Concluded					
5-16	Essex-Hanna	0.6	1.53	0.22	1.0
5-16	do	.6	1.75	.24	1.1
6- 3	K. S. Essex	.6	1.95	.22	1.2
7- 6	Essex-Hanna	.7	1.21	.23	.8
7- 6	do	.9	1.19	.29	1.1
7-27	K. S. Essex	.6	1.30	.24	.8
9- 8	Essex-Hanna	.7	1.80	.25	1.3
OX YOKE CANAL—D-447					
Diverted from Ash Creek—Sec. 29-32-50 W.					
Measurements Made at Headgate					
10- 7	K. S. Essex	.....	.....	.....	0.0
3-13	do	.....	.....	.....	.0
4- 5	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
PAISLEY CANAL—D-800, A-515, A-1738					
Diverted from Blue Creek and Crescent Lake, A-1575— Sec. 28-17-42 W.					
Measurements Made at Rating Flume					
11- 1	A. W. Hall	7.2	1.39	0.96	10.0
5-11	Fred Hervert	5.2	1.58	.61	8.2
5-22	do	4.0	1.62	.48	6.5
6-22	do	7.1	1.78	.89	12.6
7- 5	do	8.9	1.83	1.11	16.3
PARKS CANAL—A-1202, A-1444, A-1555					
Diverted from Republican River—Sec. 20-1-39 W.					
Measurements Made at Headgate					
10-21	K. S. Essex	.....	.....	.....	0.0
3-24	do	.....	.....	.....	.0
4-21	Essex-Dodd	.....	.....	.....	.0
5-11	K. S. Essex	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
6-30	do	.....	.....	.....	.0
8-17	Essex-Gerlach	.....	.....	.....	.0
9-15	K. S. Essex	.....	.....	.....	1.7
PATRICK CANAL—D-725					
Diverted from Sand Creek—Sec. 10-15-40 W.					
Measurements Made at Headgate					
6-29	Fred Hervert	2.5	1.12	.....	2.8
8-19	do	4.0	.32	.....	1.3
9-16	do	2.5	1.32	.....	3.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
PAXTON-HERSHEY CANAL—D-653					
Diverted from North Platte River—Sec. 18-14-33 W.					
Measurements Made at Rating Flume					
5-10	Fred Hervert	31.3	1.75	0.91	54.8
5-20	do	29.9	3.19	1.57	95.4
6-15	do	27.0	3.53	1.47	95.3
6-28	do	39.6	1.84	1.17	73.0
7- 6	do	46.2	1.84	1.44	85.0
8-10	A. W. Hall	26.1	3.54	1.46	92.4
8-18	Fred Hervert	32.2	1.62	.88	52.1
8-31	do	5.6	1.09	.20	6.1
9-15	do	31.0	1.15	.70	35.6
9-28	A. W. Hall	24.8	2.92	1.38	85.1
PERSINGER CANAL—D-297					
Diverted from Lodgepole Creek—Sec. 33-14-46 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
5-13	K. S. Essex	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
6- 1	Essex-Hansen	.....	.....	.....	.0
7- 7	K. S. Essex	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
PETERS CANAL—D-913					
Diverted from Pumpkinseed Creek—Sec. 2-19-56 W.					
Measurements Made at Headgate					
10-15	Essex-Dodd	.....	.....	.....	0.0
5- 6	K. S. Essex	.....	.....	.....	.0
6-13	do	0.5	1.10	.....	.6
7-29	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
PETERSON PUMP—A-2094					
Diverted from Strever Creek—Sec. 18-9-20 W.					
8- 7	A. W. Hall	.....	.....	.....	2.9
PHELPS COUNTY CANAL—A-2355					
Diverted from Platte River—Sec. 2-8-21 W.					
Measurements Made at Rating Station					
10- 7	Hall-Hervert	54.2	1.93	1.39	104.5
11- 4	A. W. Hall	106.9	2.23	2.30	238.7
4- 3	do	103.1	1.90	2.15	196.3
4-25	do	113.2	2.41	2.40	272.7
4-25	do	111.8	2.47	2.40	276.2
5- 8	Fred Hervert	107.4	2.03	2.31	217.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
PIONEER CANAL, NORTH—D-442a					
Diverted from Niobrara River—Sec. 36-29-51 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	8.2	0.23	.....	1.9
11- 8	do	10.1	.47	.....	4.7
4- 7	do	.....	.....	.....	.0
5- 1	do	.....	.....	.....	.0
5-27	do	.....	.....	.....	1.4
6-21	do	.....	.....	.....	4.5
9-23	do	.....	.....	.....	.8
PIONEER CANAL, SOUTH—D-442b					
Diverted from Niobrara River—Sec. 31-29-50 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	.....	.....	.....	2.0
11- 8	do	.....	.....	.....	1.2
4- 7	do	.....	.....	.....	.0
5- 1	do	.....	.....	.....	.0
5-27	do	.....	.....	.....	1.4
6-21	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	1.4
POTMESIL CANAL—A-2566					
Diverted from Niobrara River—Sec. 26-29-48 W.					
Measurements Made at Headgate					
10- 7	K. S. Essex	9.2	1.43	.....	13.3
11- 4	do	1.5	.27	.....	.4
5-19	do	5.1	1.16	.....	5.9
5-25	do	7.3	1.15	0.82	8.4
5-27	do	7.0	1.44	.95	10.1
5-30	do	6.8	1.26	.88	8.6
6-15	do	8.9	1.42	1.08	12.6
7-14	do	7.5	1.41	.95	10.6
8- 1	do	.....	.....	.....	.0
8-28	do	5.0	.94	.62	4.7
9-23	do	4.8	.90	.58	4.3
PREMIER CANAL—D-340					
Diverted from Lodgepole Creek—Sec. 3-14-58 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.0
4-10	Essex-Dodd	.....	.....	.....	.0
5-15	Essex-Hanna	.....	.....	.....	.0
6- 2	do	.....	.....	.....	.0
7- 5	do	1.9	0.58	.....	1.1
9- 7	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
RADCLIFFE CANAL NO. 1—D-1034a					
Diverted from Cedar Creek—Sec. 28-18-48 W.					
Measurements Made below Headgate					
6-21	Fred Hervert	2.4	1.67	.....	4.0
6-30	do	1.6	1.75	.....	2.8
7-12	do	3.2	1.31	.....	4.2
RALTON CANAL—A-847					
Diverted from Lodgepole Creek—Sec. 12-12-45 W.					
Measurements Made at Headgate					
5-12	K. S. Essex	.....	.....	.....	0.0
7- 7	do	.....	.....	.....	.0
RALTON CANAL—A-882					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements Made at Headgate					
4-12	Essex-Dodd	.....	.....	.....	0.0
5-12	K. S. Essex	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
RAMSHORN CANAL—D-918R, D-945					
Diverted from North Platte River—Sec. 18-23-57 W.					
Measurements Made at Rating Flume—Sec. 19-23-57 W.					
10- 6	H. H. Odell	16.9	1.76	1.18	29.8
11- 4	do	.....	.....	.03	.0
5-13	do	16.3	1.39	.69	22.6
5-23	do	19.2	1.38	.72	26.6
6- 8	do	19.7	.25	.38	7.9
6-22	do	4.2	1.83	.38	7.7
7- 6	do	16.9	.89	1.09	15.1
7-20	H. P. Eisenhuth	5.4	.20	.08	1.1
7-28	do	19.8	.79	.52	15.6
8- 3	do	23.6	.84	.68	19.7
8-17	do	4.8	.83	.45	4.0
9- 7	do	3.1	.48	.29	1.5
9-21	do	15.6	.24	.24	3.7
RANDALL CANAL—A-1100					
Diverted from Lawrence Fork Creek—Sec. 21-18-52 W.					
Measurements Made at Headgate					
10- 5	Essex-Dodd	.....	.....	.....	0.0
4-25	K. S. Essex	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
9-12	do	4.0	1.22	.....	4.9
9-29	do	2.9	.97	.....	2.8

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
RANKIN CANAL—A-2477					
Diverted from Middle Loup River—Sec. 4-21-23 W.					
Measurements Made at Headgate					
7-17	Fred Hervert	7.5	1.01	.....	7.6
RASHER CANAL—D-467, A-456, A-534					
Diverted from White River—Sec. 19-32-51 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	2.9	0.86	.....	2.5
11- 5	do	2.5	.80	.....	2.0
1-28	do	.....	.....	.....	.0
5- 1	do	.....	.....	.....	.0
5-21	do	2.6	.46	.....	1.2
7-13	do	2.6	.42	.....	1.1
7-31	Essex-Rasmussen	.....	.....	.....	.0
8- 2	K. S. Essex	4.0	1.15	.....	5.8
8-26	do	.....	.....	.....	.0
8-31	do	.....	.....	.....	.0
9-20	do	2.5	.40	.....	1.0
RIVERSIDE CANAL—D-18, A-1674					
Diverted from Frenchman River—Sec. 33-4-32 W.					
Measurements Made at Headgate					
10-19	K. S. Essex	11.0	1.13	1.65	12.5
11-30	do	14.4	.70	2.02	10.1
3-22	do	.....	.....	.....	.0
4-20	Essex-Dodd	.....	.....	.....	.0
6- 7	K. S. Essex	9.8	1.51	1.35	14.3
6-28	do	.....	.....	.....	.0
8-15	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
ROUND HOUSE ROCK CANAL—D-884					
Diverted from Pumpkinseed Creek—Sec. 28-19-51 W.					
Measurements Made at Rating Flume					
10-14	Essex-Dodd	.....	.....	.....	0.0
4-25	K. S. Essex	.....	.....	.....	.0
5- 5	do	.....	.....	.....	.0
9-29	do	.....	.....	.....	.0
RUNGE CANAL NO. 1—D-339					
Diverted from Lodgepole Creek—Sec. 20-14-50 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-16	K. S. Essex	.....	.....	.....	.0
6- 3	do	0.9	1.78	.....	1.6
7- 6	do	.6	.87	.....	.5
9- 8	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
RUSH CREEK CANAL—D-802					
Diverted from North Platte River—Sec. 2-17-46 W.					
Measurements Made at Rating Flume					
7- 1	Fred Hervert	.....	.....	0.43	0.2
RUTTNER CANAL—A-906					
Diverted from Lodgepole Creek—Sec. 30-14-47 W.					
Measurements Made at Headgate					
11-16	K. S. Essex	.....	.....	.....	0.0
3-17	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
6- 1	Essex-Hansen	.....	.....	.....	.0
7- 7	K. S. Essex	.....	.....	.....	.2
9- 3	do	.....	.....	.....	.0
RUTTNER CANAL, NEW—D-350R, A-727, A-857, A-869					
Diverted from Lodgepole Creek—Sec. 36-15-57 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	1.0	1.71	0.25	1.7
11-14	do	1.6	1.56	.32	2.5
1-19	do	1.6	1.25	.35	2.0
2-23	do	.....	.....	.....	.0
3-16	do	.....	.....	.....	.0
4-10	Essex-Dodd	.....	.....	.....	.0
5-16	Essex-Hanna	.8	4.75	.22	3.8
6- 2	do	1.2	3.58	.22	4.3
7- 5	do	.8	3.00	.12	2.4
7-27	do	.8	3.50	.15	2.8
9- 7	do	.3	.42	.04	.1
SCHAEFER CANAL NO. 1—A-2484					
Diverted from Schaefer Reservoir No. 1—Sec. 5-32-55 W.					
5- 2	K. S. Essex	1.3	1.69	.....	2.2
SCHAEFER RESERVOIR SUPPLY CANAL—A-2306					
Diverted from Sow Belly Creek—Sec. 7-32-55 W.					
Measurements Made at Headgate					
5- 2	K. S. Essex	1.7	1.35	.....	2.3
SCOTT CANAL—A-711					
Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.					
Measurements Made at Headgate					
5- 6	K. S. Essex	.....	.....	.....	0.0
6-13	do	1.5	0.80	.....	1.2
9-12	do	.....	.....	.....	.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SCRIPTER CANAL—A-2288					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements Made at Headgate					
5-22	Fred Hervert	0.1	0.38	0.10	0.1
SHELDON CANAL—A-493					
Diverted from East Ash Creek—Sec. 30-32-50 W.					
Measurements Made at Headgate					
10- 7	K. S. Essex	.....	.....	.....	0.0
4- 5	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
SHERIDAN-WILSON CANAL—D-710					
Diverted from North Platte River—Sec. 20-14-35 W.					
Measurements Made at Rating Flume					
5-20	Fred Hervert	8.0	1.58	1.02	12.6
6- 2	do	3.5	1.40	.45	4.9
6-16	do	4.4	1.52	.57	6.7
7-11	do	2.5	1.28	.35	3.2
8-10	A. W. Hall	4.4	1.48	.62	6.5
8-18	Fred Hervert	3.4	1.18	.48	4.0
8-31	do	4.4	1.27	.63	5.6
9-15	do	4.4	1.23	.61	5.4
SHORT LINE CANAL—D-946					
Diverted from North Platte River—Sec. 25-21-53 W.					
Measurements Made at Rating Flume					
5-17	H. H. Odell	6.0	3.60	0.45	21.6
5-24	do	8.3	4.51	.67	37.4
6- 7	do	7.3	4.55	.58	33.2
6-26	Odell-Eisenhuth	9.8	1.54	.42	15.1
7-12	H. H. Odell	6.5	4.16	.60	27.0
7-26	H. P. Eisenhuth	.....	.....	.....	.0
8- 1	do	.....	.....	.....	.0
8-15	do	16.0	2.16	.68	34.6
9- 5	do	6.5	1.60	.30	10.1
9-20	do	5.6	1.66	.26	9.3
SIGNAL BLUFF CANAL—D-807					
Diverted from North Platte River—Sec. 16-16-43 W.					
Measurements Made at Rating Flume					
5-23	Fred Hervert	4.9	1.39	0.70	6.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SIMONS CANAL—A-2363					
Diverted from Little Cottonwood Creek—Sec. 9-32-51 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	0.2	0.33	.....	0.1
11- 4	do	.....	.....	.....	.0
3-13	do	.....	.....	.....	.0
4- 1	do	.....	.....	.....	.0
5- 1	do	.....	.....	.....	.1
5-21	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.2
7-13	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
SIX MILE CANAL—D-680					
Diverted from Platte River and Sutherland Reservoir— Sec. 11-11-26 W.					
Measurements Made at Rating Flume					
7- 8	Fred Hervert	13.3	1.09	1.53	14.5
7-14	W. Dollittle	10.6	1.23	1.26	13.0
7-15	do	16.7	1.22	1.98	20.4
7-25	Fred Hervert	6.8	1.07	.84	7.3
7-30	do	8.0	1.13	.99	9.0
SLATTERY CANAL—D-543, A-1683					
Diverted from Jim Creek and Caladonia Reservoir, A-1680— Sec. 13-33-57 W.					
Measurements Made at Headgate					
10-11	Essex-Rasmussen	.....	.....	.....	0.0
5- 2	K. S. Essex	.....	.....	.....	.0
SLATTERY CANAL—A-749, A-2021					
Diverted from Dead Horse Creek—Sec. 32-33-49 W.					
Measurements Made at Headgate					
5-20	K. S. Essex	0.5	0.64	.....	0.3
SMITH-WHEELER CANAL—D-842					
Diverted from Pumpkinseed Creek—Sec. 26-19-51 W.					
Measurements Made at Headgate					
10-14	Essex-Dodd	.....	.....	.....	0.1
4-25	K. S. Essex	.....	.....	.....	.0
5- 5	do	1.6	0.88	1.26	1.4
6-14	do	1.0	.16	.....	.2
8-12	do	.....	.....	.72	.0
9-29	do	3.0	.27	1.15	.8

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SODERQUIST CANAL—A-1237, A-1420					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements Made at Headgate					
4-12	Essex-Dodd	.....	.....	.....	0.0
5-12	K. S. Essex	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
SOEHL CANAL, EAST—D-697a, D-699					
Diverted from Lonergan Creek—Sec. 17-15-39 W.					
Measurements Made at Headgate					
5-11	Fred Hervert	0.8	1.38	.....	1.1
8-19	do	.3	.67	.....	.2
SOEHL CANAL, WEST—D-697b					
Diverted from Lonergan Creek—Sec. 17-15-39 W.					
Measurements Made at Headgate					
5-11	Fred Hervert	0.8	1.62	.....	1.3
8-19	do	2.0	.45	.....	.9
SOLDIER CREEK CANAL					
Diverted from Soldier Creek near Ft. Robinson—Sec. 18-31-52 W.					
Measurements Made at Headgate					
10- 8	K. S. Essex	.....	.....	.....	0.0
4- 5	do	1.6	1.31	.....	2.1
5- 1	do	.....	.....	.....	.1
8-31	do	.....	.....	.....	.0
9-22	do	.5	.98	.....	.5
SOW BELLY, OLD, CANAL—D-533					
Diverted from Sow Belly Creek—Sec. 7-32-55 W.					
Measurements Made at Headgate					
10-11	Essex-Rasmussen	.....	.....	.....	0.0
5- 2	K. S. Essex	.....	.....	.....	.0
6-20	do	0.8	0.98	.....	.7
7-15	do	.6	.50	.....	.3
8- 8	do	.3	.56	.....	.2
9- 1	Essex-Rasmussen	.6	.50	.....	.3
SPRING BRANCH CANAL—D-862, D-893, A-669					
Diverted from Lawrence Fork Creek—Sec. 11-18-52 W.					
Measurements Made at Headgate					
10-15	Essex-Dodd	5.2	1.02	.....	5.3
4-25	K. S. Essex	.....	.....	.....	.2
5- 6	do	.....	.....	.....	.1
6-14	do	2.1	1.05	.....	2.2
9-12	do	1.7	1.18	.....	2.0
9-29	do	1.3	.85	.....	1.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SPRING CREEK CANAL NO. 1—D-473					
Diverted from Spring Creek, Tributary to Little Cottonwood Creek— Sec. 13-32-52 W.					
Measurements Made at Headgate					
6-19	K. S. Essex	.....	.....	.....	0.0
7-13	do	.....	.....	.....	.0
SQUAW CREEK CANAL—D-466					
Diverted from Spring Creek—Sec. 13-32-52 W.					
Measurements Made at Headgate					
10-6	K. S. Essex	.....	.....	.....	0.0
4-1	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
STUART BROTHERS CANAL, NORTH—A-8					
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.					
Measurements Made below Headgate					
10-8	K. S. Essex	.....	.....	.....	0.0
3-13	do	.....	.....	.....	.0
4-5	do	2.0	1.10	.....	2.2
7-13	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0
3-26	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
STUART BROTHERS CANALS, SOUTH—A-8					
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.					
Measurements Made at Headgate					
10-8	K. S. Essex	.....	.....	.....	0.0
3-13	do	.....	.....	.....	.0
4-5	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
STUART, THOMAS, CANAL—(See THOMAS STUART CANAL)					
STUMPH CANAL—D-447R, D-1023½					
Diverted from East Ash Creek—Sec. 31-32-50 W.					
Measurements Made at Headgate					
10-7	K. S. Essex	.....	.....	.....	0.0
3-13	do	.....	.....	.....	.0
4-5	do	0.4	0.50	.....	.2
5-20	do	1.5	.80	.....	1.2
6-19	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SUBURBAN CANAL—D-662					
Diverted from North Platte River—Sec. 12-14-33 W.					
Measurements Made at Rating Flume					
4-21	A. W. Hall	18.6	1.05	0.40	19.5
5-10	Fred Hervert	1.2	.50	.03	.6
5-19	do	21.9	1.47	.69	32.2
6- 2	do	27.1	1.41	.79	38.2
6-15	do	31.9	1.51	.88	48.2
7-10	do	41.3	2.03	1.19	83.8
7-29	do	35.8	1.92	1.10	68.3
8-10	A. W. Hall	19.6	1.52	1.15	77.5
8-17	Fred Hervert	34.8	1.63	1.02	56.8
8-30	do	37.5	1.56	1.02	58.7
9-14	do	31.2	1.71	.98	53.4
SUBURBAN CANAL—D-662 (O.D. A-2648)					
Diverted from Lincoln County Drain No. 1—Sec. 29-14-31 W.					
Measurements Made below Headgate					
10-14	A. W. Hall	.....	.....	.....	0.0
8-18	Fred Hervert	8.4	1.19	0.93	10.0
8-30	do	13.1	1.92	1.76	25.2
9-14	do	8.3	1.58	1.02	13.1
SUBURBAN CANAL SPILL					
South Platte River—Sec. 11-13-30 W.					
8-31	Fred Hervert	.....	.....	.....	0.0
SUTHERLAND RESERVOIR SUPPLY CANAL—A-2350, A-2352, A-2353, A-2361					
Diverted from North Platte River—Sec. 7-14-37 W.					
Measurements Made at Gaging Station					
12-14	A. W. Hall	234.3	2.13	6.02	498.5
1-19	do	390.6	2.55	9.00	997.1
4- 5	do	96.0	1.58	2.85	151.2
4- 7	Hall-Hervert	247.4	2.29	6.27	565.5
4-20	A. W. Hall	196.2	2.02	5.20	398.9
4-27	do	234.0	2.15	6.00	503.3
5- 3	Fred Hervert	238.5	2.26	6.10	538.0
6- 3	do	332.2	2.67	7.92	888.4
6- 8	do	233.8	2.11	5.97	493.0
6-16	do	234.0	2.10	5.93	492.0
6-23	do	342.8	2.71	8.16	942.0
THIRTY-MILE CANAL—A-1853, A-1976, A-2077					
Diverted from Platte River and Sutherland Reservoir— Sec. 30-12-36 W.					
Measurements Made at Rating Flume					
10- 8	Hervert-Hall	79.4	3.37	3.97	267.7
11-19	A. W. Hall	74.0	3.49	3.70	258.2
(Concluded on next page)					

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
THIRTY-MILE CANAL—Concluded					
5- 9	Fred Hervert	68.0	3.14	3.40	213.2
5-17	do	48.0	2.82	2.39	135.4
6-11	do	44.8	2.94	2.25	131.9
6-24	do	38.0	2.80	1.89	106.4
7-27	do	42.5	2.80	2.12	119.1
7-31	do	44.3	2.85	2.21	126.6
THIRTY MILE CANAL SPILL, LITTLE SPILLWAY Sec. 35-11-25 W.					
5-29	Fred Hervert	8.4	1.81	1.32	15.2
6-12	do	.4	.75	.22	.3
6-26	do	4.0	1.35	.50	5.4
THIRTY MILE CANAL SPILL, MIDDLE SPILLWAY Sec. 7-10-24 W.					
5- 9	Fred Hervert	5.8	2.02	1.84	11.7
5-29	do	10.0	1.85	2.01	18.5
6-12	do	8.8	1.77	1.76	15.6
6-26	do	8.8	1.88	1.77	16.5
THIRTY MILE CANAL SPILL, HENDERSON SPILLWAY Sec. 8-10-24 W.					
5- 9	Fred Hervert	11.5	1.63	0.98	18.8
5-29	do	11.5	1.10	.80	12.6
6-12	do	12.4	1.13	.85	14.0
6-26	do	10.6	1.05	.76	11.1
7- 8	do	1.0	1.10	.31	1.1
THIRTY MILE CANAL SPILL, DARR SPILLWAY Sec. 8-9-22 W.					
5- 8	Fred Hervert	24.6	0.75	2.13	18.5
6-14	do	8.0	1.74	1.32	13.9
6-25	do	4.8	1.69	.96	8.1
THOMAS CANAL—A-2057 Diverted from East Ash Creek—Sec. 19-32-50 W. Measurements Made at Headgate					
10- 7	K. S. Essex	.....	.....	.....	.0
3-13	do	.....	.....	.....	.0
4- 5	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
THOMAS CANAL—A-1748					
Diverted from Big Bordeaux Creek—Sec. 34-34-48 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
11- 5	do	.....	.....	.....	.0
1-28	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.3
5-20	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.9
8-25	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
* THOMAS STUART CANAL—D-425					
Diverted from Little Cottonwood Creek—Sec. 8-32-52 W.					
Measurements Made at Headgate					
10- 8	K. S. Essex	.....	.....	.....	0.0
11- 5	do	0.2	0.28	.....	.1
3-13	do	.....	.....	.....	.0
4- 5	do	.....	.....	.....	.0
6-19	do	.3	.44	.....	.1
7-13	do	.....	.....	.....	.0
8- 2	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.9
TOBIN CANAL—D-330					
Diverted from Lodgepole Creek—Sec. 28-14-47 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
11-16	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-17	K. S. Essex	.....	.....	.....	2.0
6- 1	Essex-Hansen	3.0	0.77	.....	2.3
9- 9	K. S. Essex	2.4	1.37	.....	3.3
TODD CANAL—A-520					
Diverted from East Ash Creek—Sec. 5-31-50 W.					
Measurements Made at Headgate					
10- 7	K. S. Essex	.....	.....	.....	0.0
3-13	do	.....	.....	.....	.0
4- 5	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.9
7-16	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRACY CANAL—A-870					
Diverted from Lodgepole Creek—Sec. 12-14-59 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.0
3-16	do	.....	.....	.....	.0
4-10	Essex-Dodd	.....	.....	.....	.0
5-15	Essex-Hanna	.....	.....	.....	.0
6- 2	K. S. Essex	.....	.....	.....	.1
7- 5	Essex-Hanna	.....	.....	.....	.0
9- 7	do	.....	.....	.....	.0
TRINNIER CANAL—D-849, A-1551					
Diverted from Greenwood Creek—Sec. 28-18-50 W.					
Measurements Made at Headgate					
10-14	Essex-Dodd	.....	.....	.....	0.0
11-12	K. S. Essex	.....	.....	.....	.0
4-25	do	.....	.....	.....	.0
5- 5	do	.....	.....	.....	.0
6-14	do	4.5	1.60	.....	7.2
7- 3	do	4.6	1.59	.....	7.3
8-12	do	2.4	1.08	.....	2.6
9-11	do	3.5	1.40	.....	4.9
9-29	do	.....	.....	.....	.0
TRI-STATE CANAL—D-918, A-660, A-768					
Diverted from North Platte River and Pathfinder Reservoir—					
Sec. 3-23-58 W.					
Measurements Made at Rating Flume—Sec. 18-23-57 W.					
10- 6	H. H. Odell	1.6	1.09	2.33	1.7
5- 8	do	212.9	2.27	5.02	484.2
5-23	Odell-Higby	391.2	2.65	7.93	1036.3
6- 2	Guy C. Thatcher	.....	.....	7.79	1038.6
6- 8	H. H. Odell	361.8	2.54	7.42	918.9
6-22	do	234.1	2.12	5.34	495.6
7- 6	do	355.4	2.36	7.09	838.7
7-11	Guy C. Thatcher	322.3	2.37	6.83	763.5
7-20	H. P. Eisenhuth	334.4	2.37	6.85	791.6
8- 3	do	331.3	2.38	6.82	788.6
8-17	do	351.0	2.31	6.82	811.0
9- 7	do	279.0	2.02	5.78	563.4
9-21	do	276.4	2.03	5.70	560.9
TRI-STATE CANAL, LATERAL NO. 1—D-918, A-660					
Diverted from North Platte River and Pathfinder Reservoir—					
Sec. 3-23-58 W.					
Measurements Made at Lateral Headgate—Sec. 13-23-58 W.					
5-13	H. H. Odell	4.3	1.37	1.37	5.9
5-23	do	2.8	1.11	.91	3.1

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRI-STATE CANAL, LATERAL NO. 1—Concluded					
6-22	H. H. Odell	2.6	1.00	0.83	2.6
7- 6	do	4.4	1.11	1.25	5.0
7-20	H. P. Eisenhuth	4.2	.86	1.19	3.6
8- 3	do	5.1	.89	1.50	4.8
8-17	do	3.6	1.06	1.16	3.8
9- 7	do	4.0	.95	1.23	3.3
9-21	do	.....	.....	.....	.0

TRI-STATE CANAL, LATERAL NO. 2—D-918, A-660
 Diverted from North Platte River and Pathfinder Reservoir—
 Sec. 3-23-58 W.

Measurements Made at Lateral Headgate—Sec. 18-23-57 W.

5-13	H. H. Odell	6.4	0.89	1.65	5.7
5-23	do	7.4	1.16	2.11	8.6
6- 8	do	4.4	1.02	1.39	4.5
6-22	do	3.4	1.18	1.44	4.0
7- 6	do	4.5	.89	1.53	4.0
7-20	H. P. Eisenhuth	5.6	.89	1.86	5.0
8- 3	do	6.0	.88	2.10	5.3
8-17	do	2.9	.90	1.51	2.6
9- 7	do	2.5	.88	1.53	2.2
9-21	do	1.8	.94	1.33	1.7

TRI-STATE CANAL, LATERAL NO. 3—D-918, A-660
 Diverted from North Platte River and Pathfinder Reservoir—
 Sec. 3-23-58 W.

Measurements Made at Lateral Headgate—Sec. 18-23-57 W.

5-23	H. H. Odell	1.9	0.11	.....	0.2
6- 8	do	2.3	.91	.....	2.1
7- 6	do	4.4	.57	.....	2.5
7-20	H. P. Eisenhuth	1.9	.90	.....	1.7
8- 3	do	2.6	.92	.....	2.4
8-17	do	.3	.46	.....	.1
9- 7	do	2.3	.70	.....	1.6
9-21	do	.....	.....	.....	.0

TRI-STATE CANAL—D-918, A-660
 Diverted from Akers Draw—Sec. 12-23-57 W.

Measurements Made at Intersection with Tri-State Canal

10-13	H. H. Odell	8.9	1.56	.....	13.9
11- 4	do	8.2	1.46	.....	12.0
12- 2	do	7.6	1.54	.....	11.7
1- 6	do	8.6	1.33	.....	11.4
2- 4	do	8.7	1.36	.....	11.8
3- 2	do	8.3	1.46	.....	12.1
4- 5	do	7.4	1.53	.....	11.3

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRI-STATE CANAL—Concluded					
4-20	H. H. Odell	6.5	1.55	.....	10.1
4-25	Guy C. Thatcher	.....	.....	.....	10.4
5- 4	H. H. Odell	5.8	1.38	.....	8.0
5-16	do	10.3	.99	.....	10.2
6- 2	do	7.7	1.26	.....	9.7
6-17	do	6.8	1.66	.....	11.3
6-27	Odell-Eisenhuth	4.8	2.14	.....	10.3
7-13	H. H. Odell	6.9	1.71	.....	11.8
7-28	H. P. Eisenhuth	15.0	.73	.....	11.0
8-10	do	15.4	.77	.....	11.8
8-24	do	.....	.....	.....	14.9
9-15	do	19.7	.68	.....	13.3
9-28	do	19.0	.73	.....	13.9

TRI-STATE CANAL—D-918, A-660
 Diverted from Sheep Creek—Sec. 8-23-57 W.

Measurements Made at Headgate of Feeder Canal

12- 3	H. H. Odell	15.1	1.62	1.66	24.5
5-13	do	26.2	1.69	1.91	44.3
5-23	do	26.6	1.57	1.81	41.7
6- 8	do	27.6	1.90	2.02	52.6
6-22	do	30.2	1.83	2.05	55.2
7- 6	do	30.6	1.78	2.12	54.5
7-11	Guy C. Thatcher	30.8	1.63	2.07	50.2
7-20	H. P. Eisenhuth	30.7	1.84	2.14	56.6
8- 3	do	30.6	2.01	2.22	61.6
8-17	do	36.2	1.65	2.21	59.8
9- 6	do	38.0	1.88	2.37	71.3
9-21	do	35.6	2.00	2.35	71.1

TRI-STATE CANAL—D-918, A-660
 Diverted from Dry Spotted Tail Creek—Sec. 9-23-56 W.

Measurements Made at North Line of Sec. 9-23-56 W.

7-27	H. P. Eisenhuth	18.6	1.26	2.51	23.5
8-10	do	18.6	1.40	2.44	26.0
8-24	do	17.6	1.61	2.42	28.3
9-15	do	16.4	1.59	2.36	26.0
9-28	do	12.0	1.68	2.04	20.2

TRI-STATE CANAL—D-918, A-660
 Diverted from Wet Spotted Tail Creek—Sec. 10-23-56 W.

Measurements Made at South Line of Sec. 3-23-56 W.

10-12	H. H. Odell	13.2	2.20	1.56	29.1
11- 4	do	13.8	1.88	1.46	26.0
12- 2	do	9.8	1.80	1.29	17.6

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRI-STATE CANAL—Concluded					
1- 6	H. H. Odell	8.1	1.64	1.16	13.3
2- 4	do	6.6	1.70	1.05	11.2
3- 2	do	6.0	1.67	.99	10.0
4- 4	Guy C. Thatcher	.....	.....	.98	9.0
4- 4	H. H. Odell	5.7	1.53	1.00	8.7
4-20	do	5.1	1.41	.95	7.2
4-25	Guy C. Thatcher	.....	.....	.93	8.1
5- 4	H. H. Odell	5.4	1.46	.92	7.9
5-16	do	4.0	1.12	.80	4.5
6- 2	do	11.6	1.62	1.32	18.8
6-15	do	9.3	1.76	1.24	16.1
6-27	Odell-Eisenhuth	8.7	1.90	1.23	16.5
7-13	H. H. Odell	6.3	1.51	1.01	9.5
7-27	H. P. Eisenhuth	6.6	1.91	1.01	12.6
8-10	do	10.7	2.26	1.40	24.2
8-24	do	10.7	1.94	1.29	20.8
9-15	do	12.4	2.08	1.47	25.8
9-28	do	13.4	2.24	1.58	30.0
TRI-STATE CANAL—D-918, A-660					
Diverted from Tub Springs—Sec. 27-23-55 W.					
Measurements Made at Sec. 27-23-55 W.					
4-27	H. H. Odell	6.1	1.36	0.58	8.3
5- 9	do	6.2	1.50	.64	9.3
5-16	do	7.6	1.76	.75	13.1
6- 8	do	10.4	2.27	1.01	23.6
6-21	do	.....	.....	.09	.0
6-26	Odell-Eisenhuth	10.4	2.36	1.01	24.6
7-13	H. H. Odell	12.0	2.63	1.16	31.6
7-27	H. P. Eisenhuth	11.8	2.80	1.20	33.1
8- 9	do	12.5	2.91	1.34	36.4
8-23	do	12.4	2.85	1.32	35.3
9-14	do	12.7	2.92	1.33	37.1
9-27	do	10.9	2.53	1.14	27.6
TRI-STATE CANAL—D-918, A-660					
Diverted from Alliance Drain—Sec. 18-22-53 W.					
Measurements Made at Sec. 18-22-53 W.					
10- 4	H. H. Odell	6.3	2.64	1.16	16.6
10-19	do	5.9	2.54	1.08	15.0
11- 1	do	.....	.....	.....	.0
5-24	do	4.6	2.17	.96	10.0
7-12	do	4.5	2.24	.93	10.1
7-26	H. P. Eisenhuth	11.9	1.20	.98	11.3
8- 9	do	13.1	1.36	1.06	17.8
8-23	do	13.7	1.39	1.12	19.0
9-14	do	14.5	1.57	1.14	22.7
9-26	do	13.1	1.27	1.06	16.6

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1930

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRI-STATE CANAL, ROBERTS LATERAL—D-918 (O.D. A-1241)					
Diversed from Dry Spotted Tail Creek—Sec. 16-23-56 W.					
Measurements Made at Headgate					
5- 4	H. H. Odell	5.9	1.66	.....	9.8
5-16	do	.....	.....	.....	.0
6- 3	do	.....	.....	.....	.0
6-15	do	2.5	.92	.....	2.3
6-27	Odell-Eisenhuth	1.4	.50	.....	.7
7-13	H. H. Odell	8.2	1.16	.....	3.5
7-27	H. P. Eisenhuth	5.2	.65	.....	3.4
8-10	do	6.3	.86	.....	5.4
8-24	do	.....	.....	.....	.....
9-15	do	3.0	.47	.....	1.4
9-28	do	.....	.....	.....	.0

TRI-STATE CANAL, TOOHEY SPILLWAY
To River—Sec. 19-23-56 W.

10-13	H. H. Odell	0.6	0.24	4.00	0.1
11- 2	do	6.9	1.45	4.04	10.0
12- 2	do	4.0	1.25	4.05	5.0
1- 6	do	3.0	1.19	.....	3.6
2- 4	do	2.2	.77	.....	1.7
3- 2	do	2.4	.77	.....	1.8
4 5	do	10.7	1.23	4.55	13.2
4-20	do	10.1	1.22	4.55	12.3
5- 3	do	1.8	.85	4.15	1.5
5-16	do	.....	.....	4.90	.0
6- 2	do	.5	.20	.....	.1
6-17	do	.....	.....	.....	.0
6-27	Odell-Eisenhuth	.....	.....	.....	.0
7-13	H. H. Odell	.....	.....	.....	.0
7-28	H. P. Eisenhuth	.2	.20	.....	.1
8-10	do	.3	.33	.....	.1
8-24	do	.5	.30	.....	.2
9-15	do	.....	.....	.....	.1
9-28	do	.....	.....	.....	.2

TRI-STATE CANAL, MITCHELL SPILLWAY
To River—Sec. 35-23-56 W.

10-13	H. H. Odell	.....	.....	.....	0.0
10-19	do	10.1	0.92	0.20	9.3
11- 3	do	11.6	.86	.23	10.0
12- 3	do	2.4	.77	.01	1.8
1 -7	do	21.5	1.20	.42	25.7
2- 4	do	9.0	2.74	.45	24.6
3- 2	do	14.6	.47	.....	6.9
4- 4	do	12.7	.51	.11	6.5
4-20	do	6.7	.93	.10	6.2

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRI-STATE CANAL, MITCHELL SPILLWAY—Concluded					
5- 3	H. H. Odell	2.0	0.55	0.02	1.1
6- 2	do	5.6	1.78	.19	10.0
6-15	do	.8	.62	.....	1.0
7-27	H. P. Eisenhuth	.....	.....	.....	.0
8- 9	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0
9-27	do	.....	.....	.....	.1
UNION CANAL—D-763					
Diverter from Blue Creek and Crescent Lake, A-1575— Sec. 18-16-42 W.					
Measurements Made at Rating Flume					
6-22	Fred Hervert	9.1	0.74	0.98	6.7
7- 3	do	12.3	.78	1.30	9.6
8-21	do	13.0	.99	1.45	12.9
9- 2	do	11.8	1.29	1.49	15.2
9-18	do	7.1	1.45	1.28	10.3
URBACH CANAL—D-308, A-723					
Diverter from Lodgepole Creek—Sec. 15-14-51 W.					
Measurements Made at Headgate					
10-26	K. S. Essex	0.6	0.57	.....	0.4
11-16	do	.....	.....	.....	.0
1-19	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
4-11	Essex-Dodd	.....	.....	.....	.0
5-16	K. S. Essex	.....	.....	.....	.0
6- 3	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
WARBONNET CANAL—D-548					
Diverter from Warbonnet Creek—Sec. 21-33-56 W.					
Measurements Made at Headgate					
10-11	Essex-Rasmussen	1.7	0.62	.....	1.0
5- 2	K. S. Essex	1.1	1.09	.....	1.2
6-20	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.0
WARNEKE CANAL—D-505					
Diverter from Niobrara River—Sec. 27-31-57 W.					
Measurements Made at Headgate					
11- 7	K. S. Essex	.....	.....	.....	0.0
5- 2	do	.....	.....	.....	.0
5-26	Essex-Rasmussen	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
WEARIN CANAL—A-1864					
Diverted from Lodgepole Creek—Sec. 8-14-58 W.					
Measurements Made at Rating Flume					
10-25	K. S. Essex	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.0
4-10	Essex-Dodd	.....	.....	.....	.0
5-15	Essex-Hanna	.....	.....	.....	.0
6- 2	do	.....	.....	.....	.0
7- 5	K. S. Essex	.....	.....	.....	.0
9- 7	Essex-Hanna	.....	.....	.....	.0

WESTERN CANAL—A-393, A-1804					
Diverted from South Platte River—Sec. 14-12-43 W.					
Measurements Made at Headgate					
10-17	K. S. Essex	53.0	1.93	0.68	102.2
10-27	do	68.6	1.84	.82	126.7
11-17	do	49.5	1.67	.61	86.6
4-13	Essex-Dodd	31.8	1.74	.45	55.4
4-22	do	30.9	1.72	.43	53.2
5-12	K. S. Essex	54.1	2.13	.70	115.7
5-18	do	43.8	1.88	.56	82.3
6- 5	do	39.4	1.78	.51	70.1
6-10	do	30.0	1.50	.36	44.9
6-26	do	55.7	1.83	.64	102.6
7- 8	do	48.2	.87	.34	42.1
7-19	do	34.4	1.00	.32	34.5
8-14	do	24.8	1.36	.32	33.8
9-13	do	23.0	1.19	.28	27.3
9-29	A. W. Hall	54.0	1.34	.32	32.1

WHITE RIVER CANAL—D-477					
Diverted from White River—Sec. 35-32-52 W.					
Measurements Made at Rating Flume					
10- 6	K. S. Essex	.....	.....	.....	0.0
11- 5	do	.....	.....	.....	.0
12-14	do	.....	.....	.....	.0
3-13	do	.....	.....	.....	.0
4- 1	do	.....	.....	.....	.0
5-21	do	9.5	0.65	1.94	6.2
6-19	do	4.8	.83	.....	4.0
7-13	do	1.8	.56	.....	1.0
7-31	Essex-Rasmussen	.....	.....	.....	.0
8- 2	K. S. Essex	.....	.....	.....	.0
8-26	do	3.9	.90	.....	3.5
8-31	do	.....	.....	.....	.0
9-20	do	4.9	1.02	.....	5.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
WICKERSHAM CANAL—A-701, A-2182, A-2204					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
10-11	Essex-Rasmussen	.....	.....	.....	0.0
5- 2	K. S. Essex	0.5	0.76	.....	.4
6-20	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0
WICKERSHAM SUPPLY CANAL—A-2182					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
10-11	Essex-Rasmussen	.....	.....	.....	0.0
5- 2	K. S. Essex	.....	.....	.....	.0
6-20	do	0.5	0.76	.....	.4
7-15	do	.....	.....	.....	.1
8- 8	do	.....	.....	.....	.1
9- 1	Essex-Rasmussen	.....	.....	.....	.0
WICKERSHAM RESERVOIR CANAL—A-2203					
Diverted from Boggy Creek and Wickersham Reservoir, A-2182— Sec. 30-33-54 W.					
Measurements Made below Reservoir					
5- 2	K. S. Essex	1.2	2.97	.....	3.6
6-20	do	.....	.....	.....	.0
WIEGAND CANAL—A-563					
Diverted from Lodgepole Creek—Sec. 17-13-45 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
5-13	do	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
WIEGAND CANAL NO. 2—A-1323					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
4-12	Essex-Iodd	.....	.....	.....	.0
5-17	K. S. Essex	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
WIEGAND CANAL NO. 3--A-1322					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
4-12	Essex-Dodd	.....	.....	.....	.0
5-13	K. S. Essex	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	1.0
9-13	do	.....	.....	.....	.0
WILDS CANAL—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
11-17	do	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
WINTERS CREEK CANAL—D-952					
Diverted from North Platte River—Sec. 17-22-55 W.					
Measurements Made at Rating Flume					
5- 4	H. H. Odell	6.6	4.06	0.40	26.8
5-16	do	6.8	1.62	.26	11.0
6- 2	do	16.7	1.50	.43	25.1
6-15	do	13.4	.87	.29	11.6
6-27	Odell-Eisenhuth	17.2	1.29	.38	22.2
7-13	H. H. Odell	6.5	3.50	.39	22.7
8- 2	H. P. Eisenhuth	20.0	1.11	.60	22.3
8-16	do	22.4	1.50	.59	33.5
9- 6	do	16.0	1.29	.45	20.7
9-21	A. W. Hall	7.8	1.73	.65	13.5
9-21	H. P. Eisenhuth	18.1	.78	.61	14.2
9-27	do	8.9	1.63	.65	14.5
WINTERS CREEK LATERAL—D-952					
Diverted from Scottsbluff Drain No. 1—Sec. 25-22-55 W.					
Measurements Made in Lateral below Point of Diversion					
6-15	H. H. Odell	2.1	1.00	.....	2.1
6-26	Odell-Eisenhuth	5.0	1.18	.....	5.9
7-12	H. H. Odell	.9	1.00	.....	.9
7-27	H. P. Eisenhuth	2.7	1.06	.....	2.8
8- 9	do	2.9	.90	.....	2.6
8-23	do	2.2	1.25	.....	2.6
9-14	do	3.9	.92	.....	3.6
9-27	do	3.1	1.10	.....	3.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
WINTERS CREEK CANAL—D-952 (O.D. A-1446)					
Diverted from Winters Creek—Sec. 19-22-54 W.					
Measurements Made at Rating Flume					
10-10	H. H. Odell	6.8	0.64	0.88	4.4
5- 8	do	14.6	1.17	1.54	1.7
5-17	do	28.9	1.94	2.88	56.0
6- 1	do	25.4	1.94	2.53	49.3
6-15	do	18.0	1.73	1.81	31.1
6-26	Odell-Eisenhuth	11.0	1.28	1.51	14.1
7-12	H. H. Odell	23.8	.97	2.49	23.0
7-27	H. P. Eisenhuth	25.2	1.84	2.53	46.3
8- 9	do	21.0	1.68	2.22	35.4
8-23	do	23.4	1.59	2.47	37.3
9-14	do	15.7	2.46	2.44	38.6
9-21	A. W. Hall	18.0	1.59	2.49	28.7
9-27	H. P. Eisenhuth	21.0	2.03	2.70	42.6

WINTERS CREEK LATERAL—D-952 (O.D. A-1446)
 Diverted from Winters Creek—Sec. 19-22-54 W.

Measurements Made at Headgate

10-12	H. H. Odell	11.3	1.89	1.24	21.3
11- 4	do	11.5	1.75	1.30	20.1
12- 1	do	11.6	1.80	1.37	20.9
5- 8	do	13.1	.87	1.02	11.4
5-17	do	7.0	.96	.74	6.7
6- 1	do	6.0	1.40	.78	8.4
6-26	Odell-Eisenhuth	4.2	1.24	.58	5.2
7-12	H. H. Odell	5.7	1.81	.83	10.3
7-27	H. P. Eisenhuth	10.4	1.25	.88	13.0
8- 9	do	.....	.....	.02	.0
8-23	do	10.7	1.34	.97	14.3
9-14	do	4.1	2.90	1.20	11.9
9-21	A. W. Hall	4.5	1.78	.76	8.0
9-27	H. P. Eisenhuth	6.3	1.48	.78	10.2

WINTERS CREEK CANAL—D-952
 Diverted from Minatare Drain—Sec. 27-22-54 W.

Measurements Made in Drain above Canal

10-12	H. H. Odell	.....	.....	.....	5.5
11- 1	do	.....	.....	.....	6.0
5- 9	do	2.0	1.26	.....	2.5
5-24	do	2.5	1.49	.....	3.7
6- 7	do	1.7	.95	.....	1.6
6-21	do	3.4	1.60	.....	5.4
7- 5	Odell-Higby	3.4	1.59	.....	5.4
7-20	H. P. Eisenhuth	3.7	1.75	.....	6.5
8- 2	do	2.6	1.40	.....	3.6

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Concluded
Year Ending September 30, 1939

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
WINTERS CREEK CANAL—Concluded					
8-16	H. P. Eisenhuth	4.0	2.17	.....	8.7
9- 6	do	2.9	2.00	.....	5.8
9-18	A. W. Hall	4.9	2.29	.....	11.2
9-20	H. P. Eisenhuth	5.6	2.31	.....	12.9
WINTERS CREEK CANAL SPILL To Minatare Drain—Sec. 26-22-54 W.					
8-16	H. P. Eisenhuth	0.8	1.12	.....	0.9
9-20	do	3.2	1.60	.....	5.1
9-21	A. W. Hall	4.9	1.87	.....	9.2
WOLFE CANAL—D-813 Diverted from Lodgepole Creek—Sec. 18-13-45 W. Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
4-12	Essex-Dodd	.....	.....	.....	.0
5-13	K. S. Essex	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
ZIMMERMAN CANAL—A-532 Diverted from Sow Belly Creek—Sec. 34-33-55 W. Measurements Made at Headgate					
10-11	Essex-Rasmussen	1.6	0.81	.....	1.3
5- 2	K. S. Essex	.4	.48	.....	.2
6-20	do	.....	.....	.....	.1
7-15	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.1

DISCHARGE MEASUREMENTS OF CANALS
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ABERDEEN CANAL—D-50a, D-50b, A-1117					
Diverted from Frenchman River—Sec. 3-5-38 W.					
Measurements Made at Headgate					
11-21	K. S. Essex	.....	.....	.....	0.0
12-19	do	.....	.....	.....	.0
4- 2	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
5-28	do	.....	.....	.....	.1
6-26	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
ADAMS CANAL—D-371					
Diverted from Lodgepole Creek—Sec. 3-14-52 W.					
Measurements Made at Headgate					
2-13	K. S. Essex	.....	.....	.....	.0
3- 6	do	.....	.....	.....	.0
5- 8	do	.....	.....	.....	.3
8- 6	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.2
AIREDALE CANAL NO. 1—A-698, A-1380					
Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.					
Measurements Made at 5.5-foot Weir					
12- 5	K. S. Essex	1.2	0.50	.....	0.6
5-25	do	2.4	.46	.....	1.1
AIREDALE CANAL NO. 2—A-699, A-1133					
Diverted from Pumpkinseed Creek—Sec. 1-19-55 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	.....	.....	.....	0.0
5-25	do	3.2	0.59	.....	1.9
AIREDALE CANAL NO. 3—A-1508					
Diverted from Pumpkinseed Creek—Sec. 1-19-55 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	1.2	0.50	.....	0.6
5-25	do	2.4	.46	.....	1.1
ALFALFA CANAL—D-738					
Diverted from North Platte River—Sec. 1-15-42 W.					
Measurements Made at Rating Flume					
10-26	Fred Hervert	28.6	1.96	1.79	56.0
11-27	do	17.8	1.82	1.12	32.4
4-24	do	8.8	1.96	.67	17.2
5-10	do	13.2	1.06	.47	13.6
6-19	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ALLEN-LARNED CANAL—D-117					
Diverted from Buffalo Creek—Sec. 18-1-40 W.					
Measurements Made at Headgate					
10-11	K. S. Essex	2.8	0.70	.....	2.0
12-22	do	.....	.....	.....	2.0
2-23	do	.....	.....	.....	.0
3-14	do	.....	.....	.....	.0
4- 1	do	.....	.....	.....	.0
5- 3	do	.....	.....	.....	.0
6-29	do	4.1	1.14	.....	4.7
7-29	do	4.0	.73	.....	2.9
8-21	do	5.8	.85	.....	4.9
ALLIANCE CANAL—D-874 (O.D. A-1776)					
Diverted from Bayard Sugar Factory Drain—Sec. 4-20-52 W.					
Measurements Made at Rating Flume					
10- 3	H. P. Eisenhuth	.....	.....	.....	0.0
5-14	do	10.7	1.39	1.43	14.9
5-21	do	14.4	1.98	1.89	28.6
6- 4	do	16.2	2.27	2.12	36.8
6-17	do	17.3	1.49	2.25	25.8
7-10	do	12.6	1.96	1.69	24.7
7-16	do	14.0	2.02	1.84	28.3
8-22	do	17.6	1.03	2.06	17.1
9- 3	do	11.4	.70	1.55	8.0
9-17	do	16.1	1.07	2.13	17.3
ALLIANCE CANAL—D-874 (O.D. A-1429)					
Diverted from Red Willow Creek—Sec. 6-20-51 W.					
Measurements Made at Rating Flume					
10- 3	H. P. Eisenhuth	21.6	0.70	1.94	15.2
10-25	do	8.2	.59	.83	4.8
11- 1	do	5.6	.45	.61	2.5
11-15	do	6.2	.58	.68	3.6
4-18	do	1.4	.29	.36	.4
5- 6	do	16.7	1.41	1.55	23.5
5- 9	do	17.6	1.35	1.59	23.7
5-21	do	23.6	1.00	2.11	23.6
6- 3	do	23.0	1.20	2.06	27.5
6-17	do	22.1	1.40	1.96	30.8
7- 1	do	.....	.....	.....	.0
7-10	do	23.9	1.28	2.15	30.6
7-16	do	22.9	1.41	2.05	32.3
8-13	do	20.7	1.21	1.88	25.2
8-22	do	21.6	1.20	1.94	25.8
9- 3	do	22.9	1.24	2.05	28.4
9-17	do	23.7	1.22	2.12	28.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ALLIANCE CANAL—A-418 (O.D. A-2088)					
Diverted from Camp Clark Seep—Sec. 9-20-51 W.					
Measurements Made at Headgate					
7- 1	H. P. Eisenhuth	2.2	1.45	.....	3.2
7-29	do	2.0	1.55	.....	3.1
8-13	do	.....	.....	.....	.0
ALMERIA CANAL—A-2469, A-2868, A-2869					
Diverted from North Loup River—Sec. 10-22-20 W.					
Measurements Made below Spillway					
5- 1	C. H. Carstens	.....	.....	.....	0.0
5-31	do	18.3	1.10	.....	20.0
7- 3	do	21.1	.75	.....	15.7
ALMERIA CANAL—A-2469, A-2868, A-2869					
Diverted from North Loup River—Sec. 10-22-20 W.					
Measurements Made 0.6 Mile below Spillway					
7-24	C. H. Carstens	22.0	1.27	2.93	28.0
8-15	do	23.2	1.20	2.85	27.8
8-20	do	.....	.....	.....	.0
9- 8	do	26.0	1.14	3.02	29.7
AMSBERRY PUMP—A-2789					
Diverted from Mud (Beaver) Creek—Sec. 23-15-18 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
AMSBERRY PUMP—A-2684					
Diverted from Mud (Beaver) Creek—Sec. 22-15-18 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
ANDERSON CANAL—D-373					
Diverted from Lodgepole Creek—Sec. 8-14-51 W.					
Measurements Made at Headgate					
10- 4	K. S. Essex	.....	.....	.....	0.0
10-26	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
1-31	do	.....	.....	.....	.0
2-13	do	.....	.....	.....	.0
3- 6	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5- 8	do	.....	.....	.....	.0
6- 5	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-29	do	1.8	0.72	.....	1.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ATKINS-POLLY CANAL—D-342, D-344					
Diverted from Lodgepole Creek—Sec. 30-15-55 W.					
Measurements Made at Rating Flume					
10- 4	Essex-Hanna	2.0	0.40	0.44	0.8
10-26	K. S. Essex	.....	.....	.....	.5
11-28	do	.....	.....	.....	.0
12-28	do	.....	.....	.....	.0
2- 1	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
6- 5	Essex-Hanna	.....	.....	.....	.0
7- 6	do	1.3	.85	.18	1.1
8- 6	do	1.5	.67	.26	1.1
8-29	do	2.0	.80	.32	1.6
BARBER CANAL—D-754, A-1111					
Diverted from Clear Creek—Sec. 29-16-41 W.					
Measurements Made at Rating Flume					
2-21	Fred Hervert	4.7	1.26	.....	5.9
3-16	do	.....	.....	.....	.0
4-24	do	4.5	1.33	0.90	6.0
5- 9	do	4.2	1.43	.84	6.0
5-22	do	4.4	1.23	.89	5.4
6-19	do	3.9	1.15	.80	4.5
8-28	do	.4	.22	.15	.1
9-10	do	.....	.....	.....	.2
9-21	do	6.3	1.19	1.27	7.5
BARRETT CANAL—D-334					
Diverted from Lodgepole Creek—Sec. 32-14-46 W.					
Measurements Made at Headgate					
11-29	K. S. Essex	2.6	1.31	.....	3.4
BARRON CANAL, EAST—A-2024					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made near Headgate					
10-14	K. S. Essex	.....	.....	.....	0.0
BARRON CANAL, WEST—D-438R					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made near Headgate					
10-14	K. S. Essex	.....	.....	.....	0.0
12-12	do	.....	.....	.....	.0
2- 6	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BARRON CANAL, WEST—Concluded					
2-28	K. S. Essex	.....	.....	.....	0.0
3-21	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
BEAL CANAL—A-1620					
Diverted from South Platte River—Sec. 20-13-40 W.					
Measurements Made at Headgate					
6-18	Fred Hervert	12.2	0.75	.....	9.2
8-28	do	3.9	.51	.....	2.0
BEERLINE CANAL—D-887					
Diverted from North Platte River—Sec. 24-19-49 W.					
Measurements Made at Rating Flume					
10-10	Fred Hervert	12.5	1.65	1.13	20.6
10-30	do	1.5	.52	.08	.8
1- 2	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3-15	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
5-19	A. W. Hall	.....	.....	.....	.0
6-28	Fred Hervert	7.1	1.88	.63	13.4
7- 1	A. W. Hall	6.2	1.80	.56	11.2
8-13	do	5.9	1.66	.53	9.8
9- 9	Fred Hervert	.....	.....	.....	.0
BEISER CANAL—A-1056					
Diverted from Niobrara River—Sec. 4-29-56 W.					
Measurements Made at Headgate					
3-22	K. S. Essex	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
BELMONT CANAL—D-828, D-858, A-866					
Diverted from North Platte River—Sec. 18-20-51 W.					
Measurements Made at Rating Flume					
10- 6	H. P. Eisenhuth	47.0	0.86	0.53	40.5
5- 7	do	42.6	.92	.46	39.1
5-18	do	51.2	1.71	.69	87.5
6-10	do	14.0	1.39	.56	61.1
6-21	do	58.7	1.97	.82	115.8
7- 5	do	62.0	1.97	.84	121.9
7-12	do	57.6	1.78	.74	102.4
(Concluded on next page)					

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BELMONT CANAL—Concluded					
7-19	H. P. Eisenhuth	58.8	1.66	0.73	97.7
8- 3	do	54.1	1.76	.69	95.4
8- 9	do	61.4	1.78	.74	109.1
8-16	do	56.4	1.46	.64	82.4
8-23	do	55.0	1.36	.61	75.3
9- 6	do	66.4	1.83	.81	121.5
9-20	do	59.1	1.51	.68	88.9
BELMONT FEEDER—A-1397					
Diverted from Cedar Creek—Sec. 23-18-48 W.					
Measurements Made at Rating Flume					
2-15	Fred Hervert	.....	.....	.....	0.0
3-15	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
5-19	A. W. Hall	4.7	1.42	0.87	6.7
9- 9	Fred Hervert	6.8	1.56	1.65	10.6
9-23	do	7.4	1.11	1.51	8.2
BELMONT CANAL SPILL					
Into Pumpkinseed Creek—Sec. 23-19-50 W.					
5-24	K. S. Essex	.....	.....	.....	0.0
6-21	Fred Hervert	2.5	0.44	0.05	1.1
BENNETT CANAL—A-1249					
Diverted from Niobrara River—Sec. 1-28-54 W.					
Measurements Made at Headgate					
5-16	K. S. Essex	0.4	1.75	.....	0.7
6-20	do	.6	1.11	.....	.7
7-13	Essex-Rasmussen	.....	.....	.....	.0
8-12	K. S. Essex	.....	.....	.....	.0
BENNETT RESERVOIR CANAL—A-691, A-1975					
Diverted from Lodgepole Creek and Bennett Reservoir, A-657, A-1974—Sec. 22-15-55 W.					
Measurements Made at Headgate					
5- 9	K. S. Essex	0.6	2.17	.....	1.3
BICKEL CANAL—D-347, A-719, A-724					
Diverted from Lodgepole Creek—Sec. 30-15-55 W.					
Measurements Made at Rating Flume					
10- 4	Essex-Hanna	2.0	1.14	0.55	2.3
10-26	K. S. Essex	2.2	.91	.56	2.0
11-28	do	1.6	.88	.42	1.4
(Concluded on next page)					

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BICKEL CANAL—Concluded					
12-28	K. S. Essex	.....	.....	.....	0.0
2- 1	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
6- 5	Essex-Hanna	.....	.....	.....	.0
7- 6	do	2.0	.65	.52	1.3
8- 6	do	.9	1.27	.21	1.2
8-29	do	1.4	1.21	.32	1.7
BIGELOW-SEYMOUR CANAL—D-510 Diverted from Niobrara River—Sec. 19-31-57 W. Measurements Made at Headgate					
10-15	K. S. Essex	7.9	0.21	.....	1.6
11- 9	do	.....	.....	.....	.0
12-13	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.5
8-12	do	.....	.....	.....	.0
BIRD CAGE-QUINN CANAL—D-892, A-1561 Diverted from Pumpkinseed Creek—Sec. 20-19-51 W. Measurements Made at Headgate					
3- 4	K. S. Essex	.....	.....	.....	0.0
3-29	do	.....	.....	.....	.0
5- 7	do	.....	.....	.....	.0
5-24	do	.....	.....	0.60	.1
6-21	Fred Hervert	1.3	0.16	.70	.2
BIRDWOOD CANAL—D-646 Diverted from Birdwood Creek—Sec. 35-15-33 W. Measurements Made at Rating Flume					
10- 8	Fred Hervert	6.6	0.82	0.30	5.4
10-21	do	9.6	1.41	.74	13.5
11- 5	do	5.0	.90	.33	4.5
1-31	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4- 3	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5- 7	do	21.6	1.37	1.46	29.6
5-15	do	18.8	1.49	1.36	28.1
5-24	do	7.5	1.32	.40	9.9
6- 5	do	6.3	.65	.24	4.1

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BIRDWOOD CANAL—Concluded					
6-16	Fred Hervert	11.8	1.73	0.85	20.6
7- 2	do	17.1	2.10	1.14	35.8
7-18	do	21.8	1.66	1.45	36.3
8- 1	do	28.4	1.56	1.90	44.4
8-13	do	20.3	2.28	1.45	46.4
8-22	do	18.2	2.22	1.28	40.3
3-29	do	23.8	1.52	1.73	36.3
9-11	do	17.8	1.95	1.20	34.7
9-19	do	16.7	2.06	1.23	34.4

BLUE CREEK CANAL—D-785, D-795
 Diverted from Blue Creek and Crescent Lake, A-1575—
 Sec. 33-17-42 W.

Measurements Made at Rating Flume

10-26	Fred Hervert	20.6	1.27	1.74	26.1
11- 6	do	17.7	1.26	1.54	22.3
1-29	do	.....	.....	.....	.0
2-16	do	.....	.....	.....	.0
3-16	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5-10	do	25.2	1.39	2.10	35.0
5-22	do	27.0	1.36	2.25	36.6
6-19	do	25.2	1.40	2.10	35.2
8-15	do	25.8	1.61	2.12	41.5
9-10	do	.....	.....	.....	.0

BLUHM CANAL—A-1811
 Diverted from Lodgepole Creek—Sec. 36-14-48 W.

Measurements Made at Headgate

10- 5	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	0.2	0.38	.....	.1
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
6- 6	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0

BOELUS POWER CANAL—A-1373
 Diverted from Middle Loup River—Sec. 30-13-12 W.

Measurements Made at Headrace Flume

4-29	C. H. Carstens	235.0	2.34	.....	549.0
5-27	do	246.0	2.22	.....	545.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BOELUS POWER CANAL—Concluded					
6-25	C. H. Carstens	253.0	2.32	.....	588.0
6-28	do	247.0	1.84	.....	456.0
7-13	do	252.0	1.48	.....	374.0
7-20	do	250.0	1.34	.....	336.0
7-30	do	267.0	1.43	.....	383.0
8-13	do	258.0	1.78	.....	460.0
9- 3	do	251.0	1.86	.....	466.0
9-16	do	250.0	2.18	.....	544.0

BOOTH CANAL, NORTH—D-309, D-310
 Diverted from Lodgepole Creek—Sec. 29-14-47 W.
 Measurements Made at Rating Flume

10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	4.0	0.93	1.10	3.7
6- 6	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0

BOOTH CANAL, SOUTH—D-309, D-310
 Diverted from Lodgepole Creek—Sec. 29-14-47 W.
 Measurements Made at Rating Flume

10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
6- 6	do	3.2	1.68	0.87	5.4
7- 5	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0

BORDWELL CANAL—D-302
 Diverted from Lodgepole Creek—Sec. 35-14-49 W.
 Measurements Made at Headgate

10- 5	K. S. Essex	.....	.....	.....	0.0
11-29	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BORDWELL CANAL—D-303					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurements Made at Headgate					
10- 5	K. S. Essex	.....	.....	.....	0.0
10-26	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-13	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5- 8	do	.....	.....	.....	.3
6- 6	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 7	do	1.9	0.58	.....	1.1
8-30	do	.....	.....	.....	.0
BORQUIST CANAL—D-300					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements Made at Headgate					
10- 5	K. S. Essex	.....	.....	.....	0.0
10-26	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-13	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5- 8	do	.....	.....	.....	.0
6- 6	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.5
8-30	do	.....	.....	.....	.5
BORQUIST CANAL—D-301					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements Made at Headgate					
10- 5	K. S. Essex	.....	.....	.....	0.0
10-26	Essex-Hansen	1.8	0.56	0.65	1.0
11-29	K. S. Essex	.....	.....	.....	.0
2-13	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5- 8	do	.....	.....	.....	.0
6- 6	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 7	do	2.2	.71	.95	1.6
8-30	do	2.5	.72	.98	1.8
BRADY CANAL—D-352					
Diverted from Lodgepole Creek—Sec. 28-15-54 W.					
Measurements Made at Headgate					
10- 4	K. S. Essex	.....	.....	.....	0.0
10-26	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BRADY CANAL—Concluded					
11-28	K. S. Essex	.....	.....	.....	0.0
4-10	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
6- 5	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0

BROWNS CREEK CANAL—D-857, D-1033
 Diverted from the North Platte River and Pathfinder Reservoir—
 Sec. 20-20-50 W.

Measurements Made at Rating Flume

10- 3	H. P. Eisenhuth	35.9	1.43	1.68	51.5
10-24	do	20.2	1.52	1.02	30.7
11- 7	do	.....	.....	.....	.0
5-13	do	27.2	1.49	1.15	40.5
5-20	do	25.2	1.33	.98	33.6
6- 3	do	30.8	1.36	1.22	41.9
6-17	do	25.2	1.43	.91	35.9
6-24	do	1.2	.52	.....	.6
7- 1	do	.....	.....	.....	.3
7- 8	do	.....	.....	.....	.1
7-16	do	31.8	1.45	1.32	46.1
7-22	do	44.2	1.51	2.06	66.8
7-29	do	36.6	1.42	1.56	51.7
8- 6	do	30.4	1.36	1.17	41.3
8-13	do	30.4	1.33	1.15	40.4
8-26	do	1.9	.84	.....	1.6
9-10	do	41.1	1.39	1.82	57.1
9-17	do	35.2	1.40	1.44	49.4

BULLOCK CANAL—D-296
 Diverted from Lodgepole Creek—Sec. 3-13-46 W.

Measurements Made at Headgate

10- 6	K. S. Essex	0.9	0.89	.....	0.8
10-27	do	.8	1.50	.....	1.2
12- 1	do	4.4	.70	.....	3.1
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.9	.89	.....	.8
7- 4	do	.....	.....	.....	.5
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
BULLOCK CANAL—A-437					
Diverted from Lodgepole Creek—Sec. 4-13-46 W.					
Measurements Made below Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
BUSHNELL CANAL—A-504					
Diverted from Lodgepole Creek—Sec. 2-14-58 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
7- 6	Essex-Hanna	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
CASTEEL PUMP—A-3049					
Diverted from Clear Creek—Sec. 1-16-18 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
CASTLE ROCK CANAL—D-921					
Diverted from North Platte River—Sec. 4-21-54 W.					
Measurements Made at Rating Flume					
10-12	H. P. Eisenhuth	14.4	0.99	0.80	14.2
10-30	do	.....	.....	.....	.0
5-14	do	28.2	1.48	1.56	41.7
5-24	do	41.4	1.78	2.32	73.8
6- 8	do	14.8	1.26	.84	18.7
6-14	do	29.8	1.83	1.66	54.4
7- 7	A. W. Hall	43.2	1.80	2.37	77.6
7- 9	H. P. Eisenhuth	46.8	1.99	2.62	93.1
7-19	do	41.4	1.95	2.32	80.9
8- 3	do	45.2	1.92	2.53	86.7
8- 9	do	40.0	1.78	2.23	71.4
8-16	do	32.4	1.74	1.80	56.5
8-23	do	39.5	1.77	2.18	70.1
8-30	do	39.7	1.85	2.23	73.6
9-13	do	37.8	1.84	2.09	69.7
9-27	do	12.6	1.77	.69	22.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
CASTLE ROCK CANAL SPILL					
West of McGrew—Sec. 34-21-53 W.					
10-12	H. P. Eisenhuth	1.2	0.88	1.00	10.2
10-30	do	.....	.....	.....	.0
5-14	do	24.6	1.06	1.60	26.0
5-24	do	.....	.....	.....	.1
6- 8	do	.....	.....	.....	.0
6-14	do	3.3	.39	.69	1.3
7- 9	do	.....	.....	.....	.2
7-19	do	7.8	.82	1.12	6.4
8- 3	do	.....	.....	.....	.0
8- 9	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
9-13	do	4.0	.88	.94	3.5
9-27	do	14.2	1.15	1.50	16.3
CENTRAL CANAL—D-926					
Diverted from North Platte River and Pathfinder Reservoir— Sec. 36-22-55 W.					
Measurements Made at Rating Flume					
10- 6	H. P. Eisenhuth	14.0	1.70	1.08	23.8
10-27	do	.....	.....	.....	.0
5-14	do	14.4	1.46	1.35	21.0
5-24	do	9.0	1.94	.99	17.5
6- 8	do	8.0	1.79	.89	14.3
6-21	do	.....	.....	.....	.0
6-28	do	9.0	1.93	.96	17.4
7-10	do	13.0	1.99	1.41	25.9
8-16	do	17.0	1.46	1.82	24.9
8-23	do	14.0	1.75	1.55	24.5
8-30	do	13.3	1.38	1.47	18.4
9- 6	do	15.0	1.50	1.62	22.4
9-13	do	15.0	1.47	1.63	22.0
9-20	do	16.0	1.69	1.69	27.1
CENTRAL CANAL SPILL					
Sec. 4-21-54 W.					
10- 6	H. P. Eisenhuth	2.4	1.62	0.61	3.9
5-14	do	1.8	1.22	.39	2.2
5-24	do	.....	.....	.....	.0
6- 8	do	.4	1.00	.27	.4
6-28	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.1
9- 6	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
------	--------------	-----------------	---------------	-------------	--------------------

CHAMPION CANAL—D-47

Diverted from Frenchman River—Sec. 23-6-40 W.

Measurements Made at Headgate

10-10	K. S. Essex	9.5	0.80	1.31	7.7
10-30	do	11.0	1.01	1.45	11.1
11-21	do	13.1	1.43	1.67	18.7
12-19	do	13.9	1.60	1.83	22.2
1-22	do	11.0	1.33	.....	14.6
2-19	do	.....	.....	.....	.0
3-12	do	11.0	1.45	1.32	15.9
4- 2	do	10.8	1.45	1.38	15.7
4-30	do	10.2	1.40	.....	14.3
5-28	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-30	do	7.9	1.43	.....	11.3
8-20	do	10.2	1.52	.....	15.5

CHIMNEY ROCK CANAL—D-844, D-1031, A-2190

Diverted from North Platte River and Pathfinder Reservoir—
 Sec. 1-20-53 W.

Measurements Made at Rating Flume

10- 6	H. P. Eisenhuth	9.8	3.03	0.47	29.7
10-30	do	.....	.....	.....	.0
5- 9	do	7.0	2.53	.30	17.7
5-18	do	29.3	1.76	.68	51.5
6-10	do	.9	.22	.05	.2
6-14	do	10.2	1.23	.25	12.6
6-24	do	11.6	4.38	.56	50.8
6-24	do	29.1	1.69	.55	49.1
6-28	do	17.5	1.21	.33	21.1
7- 5	do	26.1	1.30	.46	33.9
7-19	do	.....	.....	.....	.2
8- 3	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
8-30	do	9.9	4.24	.48	42.0
9-13	do	.....	.....	.....	.3
9-20	do	13.5	3.56	.65	48.1

CHIMNEY ROCK CANAL SPILL NO. 1

Sec. 14-20-52 W.

10- 6	H. P. Eisenhuth	1.4	1.43	0.92	2.0
10-30	do	.....	.....	.....	.0
11- 4	do	.....	.....	.....	.0
5-18	dd	3.2	.91	.99	2.9
6-10	dc	.....	.....	.52	.0
6-14	do	1.4	.79	.78	1.1

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
CHIMNEY ROCK CANAL, SPILL NO. 1—Concluded					
6-24	H. P. Eisenhuth	0.4	0.75	0.72	0.3
6-28	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 3	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
9-13	do	1.2	.75	.94	.9
9-20	do	4.2	1.81	1.37	7.6
CHIMNEY ROCK CANAL SPILL NO. 2 Sec. 18-20-51 W.					
10- 6	H. P. Eisenhuth	4.1	1.15	.....	4.7
10-30	do	6.5	.08	.....	.5
11- 4	do	4.6	.13	.....	.6
5- 9	do	7.2	.89	.....	6.4
5-18	do	2.4	1.33	.....	3.2
6-10	do	1.7	.61	.....	1.0
6-14	do	.9	.44	.....	.4
6-24	do	1.7	.61	.....	1.0
6-28	do	.....	.....	.....	.0
7- 5	do	3.5	.51	.....	1.8
8- 3	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
9-20	do	1.9	.26	.....	.5
CHRISTENSEN CANAL, NORTH—D-367 Diverted from Lodgepole Creek—Sec. 7-14-51 W. Measurements Made at Headgate					
10-..4	K. S. Essex	.....	.....	.....	.0
10-26	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
1-31	do	.....	.....	.....	.0
2-13	do	.....	.....	.....	.0
3- 6	do	.....	.....	.....	.0
4-10	do	1.6	0.69	.....	1.1
5- 8	do	.....	.....	.....	.0
6- 5	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.5
CHRISTENSEN CANAL, SOUTH—D-366 Diverted from Lodgepole Creek—Sec. 7-14-51 W. Measurements Made at Headgate					
10- 4	K. S. Essex	.....	.....	.....	0.0
10-26	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
CHRISTENSEN CANAL, SOUTH—Concluded					
11-29	K. S. Essex	.....	.....	.....	0.0
1-31	do	.....	.....	.....	.0
2-13	do	.....	.....	.....	.0
3- 6	do	.....	.....	.....	.0
4-10	do	4.2	0.52	.....	2.2
5- 8	do	.....	.....	.....	.0
6- 5	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.5
8-29	do	.....	.....	.....	.5
CIRCLE ARROW CANAL—D-346					
Diverted from Lodgepole Creek—Sec. 30-15-54 W.					
Measurements Made at Headgate					
10- 4	Essex-Hanna	0.8	3.09	0.29	2.5
10-26	K. S. Essex	.8	3.25	.32	2.6
11-28	do	1.7	1.18	.....	2.0
2-14	do	.....	.....	.....	.0
3- 6	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5- 9	do	1.6	1.31	.30	2.1
6- 5	Essex-Hanna	.....	.....	.....	.0
7- 6	do	1.6	1.06	.25	1.7
8- 6	do	2.0	.70	.26	1.4
8-29	do	1.1	.24	.40	2.2
CLAUSEN NORTH SIDE DITCH—A-684					
Diverted from Lodgepole Creek—Sec. 26-15-54 W.					
Measurements Made at Headgate					
4- 9	K. S. Essex	0.7	1.14	.....	0.8
CLEAR CREEK CANAL—D-748					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements Made at Rating Flume					
2-21	Fred Hervert	.....	.....	.....	0.0
3-16	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5- 9	do	2.9	0.76	0.48	2.2
5-22	do	2.4	.96	.46	2.3
6-19	do	3.9	.67	.51	2.5
8-15	do	5.2	.58	.65	3.0
8-28	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
CODY-DILLON CANAL—D-649					
Diverted from North Platte River—Sec. 9-14-31 W.					
Measurements Made at 10-foot Cipolletti Weir					
10- 7	Fred Hervert	9.6	1.41	0.55	13.5
10-21	do	6.7	1.30	.42	8.7
2-22	do	.....	.....	.....	.0
4- 4	do	.....	.....	.....	.0
5- 7	do	.....	.....	.....	.0
5-18	do	20.6	1.88	1.03	38.7
6- 4	do	.....	.....	.....	.0
6-17	do	20.4	1.16	.70	23.7
6-25	do	.....	.....	.....	.0
7- 2	do	20.8	1.28	.84	26.7
7-18	do	21.1	1.35	.84	28.5
8-13	do	26.9	1.60	1.09	43.0
8-22	do	27.2	1.54	1.10	42.0
8-30	do	21.8	1.42	.93	31.0
9-12	do	18.5	.95	.66	17.6
COFFEE CANAL, EAST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.5
5-21	do	.....	.....	.....	1.4
7-13	Essex-Rasmussen	.....	.....	.....	.0
9- 7	K. S. Essex	.....	.....	.....	.0
COFFEE CANAL, WEST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurements Made at Headgate					
5-21	K. S. Essex	.....	.....	.....	0.0
7-13	Essex-Rasmussen	.....	.....	.....	.0
9- 7	K. S. Essex	.....	.....	.....	0
COLD WATER CANAL—D-796					
Diverted from Cold Water Creek—Sec. 26-18-46 W.					
Measurements Made into Lisco and North River Canal					
10-10	Fred Hervert	2.3	1.28	0.40	3.0
11- 7	do	1.0	.90	.....	.9
2-21	do	2.0	1.45	.38	2.9
3-15	do	1.9	1.47	.46	2.8
3-29	do	1.8	1.44	.45	2.6
4-15	do	1.8	1.33	.42	2.4
5- 9	A. W. Hall	1.2	2.25	.43	2.7
9- 9	Fred Hervert	2.1	1.52	.....	3.2
9-30	do	1.5	1.40	.....	2.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
COLUMBUS POWER CANAL—A-2287					
Diverted from Loup River—Sec. 6-16-4 W.					
Measurements Made $\frac{1}{4}$ Mile below Weir—Sec. 28-17-4 W.					
11-10	Glasier-Sawyer	967.0	1.28	2.24	1240.0
5- 2	C. B. Ham	1050.0	1.68	2.52	1760.0
COOK CANAL NO. 1—D-980					
Diverted from Niobrara River—Sec. 1-28-56 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	3.5	1.04	.....	3.6
12-13	do	1.5	1.33	.....	2.0
3-22	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.0
6-21	do	6.1	.33	.....	2.0
7-13	Essex-Rasmussen	2.7	.93	.75	2.5
8-12	K. S. Essex	2.4	1.08	.82	2.6
COOPER AND ANDERSON PUMP—A-3115					
Diverted from Mud (Beaver) Creek—Sec. 28-14-16 W.					
Measurements Made at Pump Site					
9- 4	C. H. Carstens	.....	.....	.....	0.0
COURT HOUSE ROCK CANAL—D-840, D-1028, A-851					
Diverted from Pumpkinseed Creek—Sec. 30-19-50 W.					
Measurements Made at Rating Flume					
10-24	K. S. Essex	4.5	1.62	0.45	7.3
12- 6	do	10.4	1.75	1.15	18.2
2-25	do	1.8	1.22	.22	2.2
3- 4	do	1.8	1.00	.21	1.8
3-29	do	1.8	1.17	.24	2.1
5- 6	do	.....	.....	.....	.0
5-21	do	8.1	2.02	.89	16.4
7- 9	do	4.4	2.70	.47	11.9
7-19	do	.....	.....	.05	.1
9-12	A. W. Hall	5.6	2.28	.62	12.8
9-23	Fred Hervert	6.7	2.31	.75	15.5
COZAD CANAL—D-626, A-2050, A-2056					
Diverted from Platte River and Sutherland Reservoir— Sec. 15-11-25 W.					
Measurements Made at Rating Flume—Sec. 13-11-25 W.					
10- 5	Fred Hervert	92.1	1.28	2.69	117.3
10-18	do	100.6	1.37	2.93	137.8
11- 1	do	87.1	1.41	2.64	122.8
11-14	A. W. Hall	131.1	1.85	3.90	242.2

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
COZAD CANAL—Concluded					
12- 9	Fred Hervert	87.5	1.45	2.61	127.2
1-16	do	.....	.....	.....	.0
3-20	do	.....	.....	.....	.0
4- 6	do	29.6	.50	.49	14.9
4-20	do	38.7	1.33	1.09	51.4
5- 1	do	38.7	1.55	1.06	59.9
5-26	do	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
7-12	do	75.9	.74	2.28	55.9
7-13	do	104.4	.91	3.02	95.3
7-15	do	99.2	.98	2.86	97.5
7-17	do	97.4	1.01	2.78	98.2
7-18	do	92.5	1.04	2.63	96.1
7-19	do	87.0	1.06	2.47	92.5
7-21	do	83.4	1.12	2.37	93.5
7-22	do	80.3	1.20	2.32	96.0
7-24	do	81.8	1.19	2.31	97.4
7-25	do	78.7	1.19	2.21	93.8
COZAD CANAL SPILL					
Into Dawson County Canal—Sec. 6-10-22 W.					
10- 5	Fred Hervert	6.2	1.90	0.86	11.8
12-11	do	7.9	1.12	.65	8.9
4-19	do	8.4	1.26	.80	10.6
5- 5	do	5.1	.47	.33	2.4
6-14	do	.....	.....	.....	.0
CREWS CANALS, NO. 2 AND NO. 3—A-1709, A-1826					
Diverted from North Fork Republican River—Sec. 20-1-41 W.					
Measurements Made at Headgate					
12-22	K. S. Essex	.....	.....	.....	0.0
2-23	do	.....	.....	.....	.0
3-14	do	.....	.....	.....	.0
4- 1	do	.....	.....	.....	.0
5- 3	do	.....	.....	.....	2.0
5-31	do	.....	.....	.....	.0
6-29	do	.....	.....	.....	.0
7-29	do	.....	.....	.....	.0
CREWS CANAL—D-1025					
Diverted from North Fork Republican River—Sec. 21-1-41 W.					
Measurements Made at Headgate					
12-22	K. S. Essex	.....	.....	.....	0.0
2-23	do	.....	.....	.....	.0
3-14	do	.....	.....	.....	.0
4- 1	do	.....	.....	.....	.9
5- 3	do	.....	.....	.....	1.0
5-31	do	.....	.....	.....	.0
6-29	do	3.8	1.39	.....	5.3
7-29	do	1.8	.50	.....	.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
CRIGLER CANAL—D-861, A-486					
Diverted from Lawrence Fork Creek—Sec. 1-18-52 W.					
Measurements Made at Headgate					
10-24	K. S. Essex	.....	.....	.....	0.0
12- 5	do	0.6	0.92	.....	.6
3- 1	do	.....	.....	.....	.0
5- 7	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.2
CROSS CANAL, EAST BRANCH—A-1808					
Diverted from Willow Creek—Sec. 16-19-56 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	.....	.....	.....	0.0
CROSS CANAL, WEST BRANCH—A-1808					
Diverted from Willow Creek—Sec. 16-19-56 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	.....	.....	.....	0.0
CULBERTSON CANAL—D-24, D-25, D-29, D-30					
Diverted from Frenchman River and Stinking Water Creek— Sec. 31-5-33 W.					
Measurements Made at Rating Flume					
10- 9	K. S. Essex	43.1	1.71	2.84	73.9
10-31	do	43.1	1.66	2.85	71.7
11-22	do	48.5	1.71	3.16	83.1
12-20	do	.....	.....	.....	.0
2-20	do	.....	.....	.....	.0
3-12	do	.....	.....	.....	.0
4- 3	do	.....	.....	.....	.0
5- 2	do	32.3	1.16	2.06	37.6
5-29	do	43.1	1.67	2.75	71.9
6-27	do	50.8	1.87	3.31	95.3
7-31	do	57.0	1.98	3.73	112.9
8-23	Essex-Gerlach	37.0	1.51	2.38	55.7
9-21	do	41.6	1.77	2.75	73.7
DAVIS PUMP—A-1895					
Diverted from Lillian Creek—Sec. 1-19-20 W.					
Measurements Made at Pump Site					
9- 7	C. H. Carstens	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
DAWSON COUNTY CANAL—D-621, D-622, D-624, A-2039, A-2093, A-2110, A-2145, A-2262					
Diverted from Platte River and Sutherland Reservoir— Sec. 18-10-23 W.					
Measurements Made at Rating Flume—Sec. 7-10-23 W.					
10- 5	Fred Hervert	90.5	1.39	0.86	125.5
10-17	do	165.0	1.79	2.05	296.0
10-31	do	159.1	1.69	2.02	269.5
11-13	A. W. Hall	185.2	2.31	2.89	428.1
1-15	Fred Hervert	.....	.....	.....	.0
3-20	do	.....	.....	.....	.0
3-22	do	43.0	1.14	.62	49.0
4- 5	do	83.6	1.66	1.25	138.4
4-19	do	121.3	1.76	1.77	213.6
4-30	do	100.0	1.63	1.57	162.8
5-26	do	102.7	1.57	1.56	160.9
6-14	do	107.0	1.78	1.73	190.9
7- 1	do	32.8	1.12	.63	36.6
7- 4	do	103.4	1.72	1.69	177.8
7- 8	do	134.4	1.84	2.11	247.1
7-13	do	124.4	1.86	1.98	231.0
7-16	do	61.6	1.44	1.10	88.7
7-22	do	72.2	1.38	1.18	99.7
7-27	do	169.5	2.23	2.78	377.9
8- 1	do	172.5	2.19	2.78	377.6
8- 8	do	123.6	2.02	2.08	249.9
8-12	do	89.2	1.55	1.47	138.4
8-23	do	11.6	.26	.35	3.0
8-31	do	44.8	.60	.57	26.8
9-13	do	40.1	.94	.72	37.6
9-20	do	45.6	1.12	.80	50.9
DAWSON COUNTY CANAL SPILL Into French Creek—Sec. 1-10-22 W.					
10- 5	Fred Hervert	.....	.....	0.55	0.5
4-19	do	31.8	1.82	2.38	57.8
5- 5	do	10.1	.95	.65	9.6
5-27	do	.....	.....	.08	.4
6-14	do	1.8	.28	.08	.5
DAWSON COUNTY CANAL SPILL Into Elm Creek—Sec. 13-9-19 W.					
5-27	Fred Hervert	4.6	1.72	0.87	7.9
6-14	do	6.0	2.22	1.89	13.3
7- 6	do	.....	.....	.....	.5
7-10	do	5.9	2.00	.....	11.8
7-25	do	6	.50	.....	.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
DAWSON COUNTY CANAL SPILL NO. 1					
Into Dawson County Drain No. 1—Sec. 3-9-22 W.					
8- 3	Fred Hervert	18.2	0.72	1.67	13.1
8- 7	do	14.7	.52	1.32	7.6
8-11	do	.6	.83	.45	.5
DAWSON COUNTY CANAL SPILL NO. 2					
Into Dawson County Drain No. 1—Sec. 36-10-22 W.					
8- 3	Fred Hervert	.....	.....	2.96	32.4
8- 7	do	.....	.....	2.86	29.7
8-11	do	0.7	0.29	.06	.2
DAWSON COUNTY CANAL SPILL NO. 5					
Into Strever Creek—Sec. 3-9-21 W.					
7-27	Fred Hervert	13.8	1.20	2.03	16.6
8- 3	do	15.4	1.32	2.27	20.4
8- 7	do	13.8	1.23	2.01	17.0
8-11	do	1.5	.33	.41	.5
DELAWARE-HICKMAN CANAL—D-157					
Diverted from Republican River—Sec. 17-1-34 W.					
Measurements Made at Headgate					
10-11	K. S. Essex	5.0	1.80	.....	9.0
11- 1	do	2.5	1.44	.....	3.6
11-23	do	3.6	1.28	.....	4.6
12-21	do	.....	.....	.....	.0
2-21	do	.....	.....	.....	.5
3-14	do	.....	.....	.....	.0
5- 3	do	.....	.....	.....	.0
6-29	do	5.0	1.14	.....	5.7
7-29	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
DICKINSON CANAL—D-967					
Diverted from Lodgepole Creek—Sec. 33-14-47 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.6
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
6- 6	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
DICKINSON CANAL—D-969					
Diverted from Lodgepole Creek—Sec. 26-14-47 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.5
5-10	do	.....	.....	.....	.0
6- 6	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	0
DIETRICH PUMP—A-2464					
Diverted from Mud (Beaver) Creek—Sec. 4-12-15 W.					
Measurements Made at Pump Site					
9- 4	C. H. Carstens	.....	.....	.....	0.0
DORSETT-DUKE-AMSBERRY PUMP—A-2051					
Diverted from Mud (Beaver) Creek—Sec. 31-15-17 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
DOUT BROTHERS CANAL—D-981					
Diverted from Jim Creek—Sec. 7-33-56 W.					
Measurements Made below Headgate					
10-15	K. S. Essex	.....	.....	.....	0.1
5-21	do	.....	.....	.....	.0
7-13	Essex-Rasmussen	.....	.....	.....	.0
DROBNY PUMP—A-2995					
Diverted from Middle Loup River—Sec. 35-18-17 W.					
Measurements Made at Pump Site					
9- 9	C. H. Carstens	.....	.....	.....	0.0
EARNEST CANAL NO. 1—D-514a					
Diverted from Niobrara River—Sec. 9-29-56 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	4.4	1.96	.....	7.7
11- 9	do	5.2	1.60	.....	8.3
12-13	do	4.6	.83	.....	3.8
3-22	do	.....	.....	.....	.0
5-21	do	4.3	.67	.....	2.9
6-21	do	.....	.....	.....	.0
8-12	do	1.1	1.10	.....	1.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
EARNEST CANAL NO. 2—D-514b					
Diverted from Niobrara River—Sec. 9-29-56 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.0
11- 9	do	.....	.....	.....	.0
12-13	do	4.8	1.00	.....	4.8
3-22	do	.....	.....	.....	.0
5-21	do	4.9	1.06	.....	5.2
6-21	do	8.4	.37	.....	3.1
8-12	do	.....	.....	.....	.0
ELM CREEK CANAL—A-2104					
Diverted from Platte River—Sec. 6-8-19 W.					
Measurements Made at Rating Flume—Sec. 33-9-19 W.					
11-15	A. W. Hall	14.4	1.59	0.71	22.9
12-10	Fred Hervert	45.5	1.53	2.26	69.6
1-16	do	.....	.....	.....	.0
3- 9	do	.....	.....	.70	2.0
3-21	do	25.1	1.90	1.21	47.7
4- 6	do	41.3	1.73	2.03	71.3
4-18	do	44.2	1.67	2.19	73.6
5- 1	do	31.2	1.74	1.53	54.5
5-26	do	.....	.....	.....	.0
6-14	do	18.4	1.58	.93	29.0
7-26	do	22.6	1.18	.86	26.7
7-29	do	33.5	1.55	1.72	52.0
7-30	do	37.5	1.55	1.90	58.3
8- 2	do	33.1	1.61	1.66	53.2
8- 5	do	41.0	1.47	2.06	60.3
8- 7	do	33.6	1.57	1.69	52.8
8- 8	do	31.6	1.63	1.61	51.5
8-11	do	18.7	1.17	.60	21.9
9- 1	do	.....	.....	.....	.0
ELM CREEK CANAL SPILL					
To Elm Creek—Sec. 20-9-18 W.					
7-26	Fred Hervert	5.9	1.66	0.60	9.8
7-27	do	13.7	.83	.79	11.4
7-29	do	.....	.....	1.10	12.5
7-30	do	17.8	.93	1.92	16.6
8- 2	do	14.4	1.18	1.51	17.0
8- 5	do	14.6	1.56	1.92	22.8
8- 9	do	13.9	1.40	1.78	19.4
EMPIRE CANAL—D-858, A-866					
Diverted from North Platte River—Sec. 18-20-51 W.					
Measurements Made at Rating Flume—Sec. 20-20-51 W.					
10- 6	H. P. Eisenhuth	1.1	0.11	0.32	0.1
5- 7	do	.8	.75	.22	.6

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
EMPIRE CANAL—Concluded					
5-18	Fred Hervert	5.6	1.43	0.63	8.0
6-10	do	3.7	1.13	.43	4.2
7- 5	do	.....	.....	.....	.5
7-12	do	7.2	1.57	.77	11.3
7-19	do	.....	.....	.....	.0
8- 3	do	.....	.....	.....	.0
8-16	do	.9	.49	.15	.4
8-23	do	.....	.....	.....	.2
9- 6	do	.....	.....	.....	.3
9-13	do	9.8	.97	1.01	9.5
9-20	do	3.8	.84	.46	3.2
EMPIRE RANCH CANAL—A-2405					
Diverted from Goose Creek—Sec. 35-26-25 W.					
Measurements Made at Headgate					
9- 8	C. H. Carstens	.....	.....	.....	0.0
ENGELMAN AND LEWIS PUMP—A-3025					
Diverted from Mud (Beaver) Creek—Sec. 33-14-16 W.					
Measurements Made at Pump Site					
9- 4	C. H. Carstens	.....	.....	.....	0.0
ENTERPRISE CANAL—D-920					
Diverted from North Platte River—Sec. 27-23-57 W.					
Measurements Made at Rating Flume					
10-13	H. P. Eisenhuth	16.2	2.81	0.60	45.5
10-26	do	.....	.....	.....	.0
5-16	do	38.0	2.16	.90	82.2
5-23	do	36.2	1.80	.90	65.0
6- 7	do	34.5	2.21	.76	76.1
6-13	do	40.0	1.98	.89	79.3
6-27	do	41.3	1.91	.86	79.1
7-11	do	38.9	1.93	.76	75.0
7-26	do	.....	.....	.....	.0
8- 2	do	36.1	1.68	.68	60.8
8- 8	do	36.6	1.74	.69	63.8
8-16	do	41.4	1.84	.80	76.3
8-28	do	34.8	1.62	.62	56.3
9-12	do	35.0	1.58	.61	55.5
9-26	do	30.2	1.27	.50	38.4
ENTERPRISE CANAL—D-920					
Diverted from Morrill Drain—Sec. 13-23-57 W.					
Measurements Made above Intersection with Enterprise Canal					
10-13	H. P. Eisenhuth	6.8	0.42	.....	2.9
5-16	do	.....	.....	.....	.0
5-23	do	.4	.25	.....	.1

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ENTERPRISE CANAL—Concluded					
6- 7	H. P. Eisenhuth	2.5	0.36	.....	0.9
6-13	do	2.9	.35	.....	1.0
6-27	do	5.2	.25	.....	1.3
7-11	do	3.2	.41	.....	1.3
7-26	do	3.2	.47	.....	1.5
8- 8	do	3.6	.42	.....	1.5
8-21	do	3.0	.37	.....	1.1
9- 5	do	3.0	.37	.....	1.1
9-19	do	3.7	.51	.....	1.9
ENTERPRISE CANAL—D-920					
Diverted from Stewart Drain—Sec. 13-23-57 W.					
Measurements Made above Intersection with Enterprise Canal					
10-13	H. P. Eisenhuth	0.8	0.65	.....	0.6
5-16	do	.6	.67	.....	.4
5-23	do	1.0	1.66	.....	1.5
6- 7	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
ENTERPRISE CANAL—D-920					
Diverted from Dry Spotted Tail Creek—Sec 21-23-56 W.					
Measurements Made above Intersection with Enterprise Canal					
6-13	H. P. Eisenhuth	6.0	0.23	.....	1.4
6-20	do	.....	.....	.....	5.0
7- 4	do	4.5	.64	.....	2.9
8- 8	do	4.6	.89	.....	4.1
8-21	do	.....	.....	.....	1.0
9- 5	do	.....	.....	.....	5.0
9-19	do	.....	.....	.....	5.0
ENTERPRISE CANAL—D-920					
Diverted from Wet Spotted Tail Creek—Sec. 22-23-56 W.					
Measurements Made above Intersection with Enterprise Canal					
10-13	H. P. Eisenhuth	5.8	1.72	.....	10.0
5-17	do	6.2	.87	.....	5.4
5-23	do	6.1	1.08	1.53	6.6
6-12	do	6.4	.83	1.56	5.3
6-20	do	8.0	.96	1.76	7.7
6-27	do	6.2	1.18	1.61	7.3
7-11	do	6.4	1.20	1.66	7.7
7-23	do	6.2	1.16	1.56	7.2
8- 8	do	7.8	1.00	1.64	7.8
8-21	do	5.1	1.27	1.44	6.5
8-28	do	6.6	1.12	1.53	7.4
9-12	do	7.7	1.20	1.56	9.2
9-26	do	5.7	1.47	1.38	8.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ENTERPRISE CANAL—D-920 (O.D. A-2409)					
Diverted from Winters Creek—Sec. 8-22-54 W.					
Measurements Made at Rating Flume					
10-12	H. P. Eisenhuth	.....	.....	1.39	0.0
5-15	do	.....	.....	.....	.0
5-22	do	1.9	2.05	1.47	3.9
6- 4	do	2.4	1.62	1.62	3.9
6-19	do	.....	.....	.....	.0
6-27	do	2.8	1.68	1.75	4.7
7-10	do	2.7	1.78	1.73	4.8
7-23	do	2.7	1.81	1.73	4.9
8- 7	do	3.0	1.57	1.78	4.7
8-22	do	4.2	1.26	2.13	5.3
8-27	do	5.4	1.00	2.23	5.4
9-11	do	4.5	1.13	2.37	5.1
9-25	do	4.6	1.06	2.42	4.9
ENTERPRISE CANAL SPILL					
Into Winters Creek—Sec. 17-22-54 W.					
10-12	H. P. Eisenhuth	5.6	1.09	0.47	6.1
11- 2	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6- 4	do	4.1	3.59	.70	14.7
6-13	do	2.9	3.17	.59	9.2
6-19	do	.3	.33	.05	.1
6-27	do	.4	.50	.05	.2
7-10	do	.....	.....	.....	.1
7-18	do	1.8	2.06	.35	3.7
7-23	do	2.6	2.81	.41	7.3
8- 7	do	2.7	3.89	.54	10.5
8-22	do	.....	.....	.....	.0
8-27	do	2.3	3.08	.45	7.1
9-11	do	2.4	2.87	.43	6.9
9-25	do	3.6	4.73	.70	17.0
EXCELSIOR CANAL—D-568, A-2264					
Diverted from Niobrara River—Sec. 10-28-52 W.					
Measurements Made at Headgate					
11- 7	K. S. Essex	.....	.....	.....	1.5
12-13	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.0
5-16	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.9
7-13	Essex-Rasmussen	.....	.....	.....	1.0
8-12	K. S. Essex	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
FARMERS CANAL—D-10					
Diverted from Frenchman River—Sec. 11-3-32 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	.....	.....	.....	1.5
11-23	do	8.4	0.62	.....	5.2
12-20	do	.....	.....	.....	.0
2-20	do	.....	.....	.....	.0
3-12	do	.....	.....	.....	.0
4- 3	do	.....	.....	.....	.0
5- 2	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-24	do	7.3	0.26	.....	2.8
7-31	do	6.7	.52	.....	3.5
8-23	Essex-Gerlach	10.7	.22	.....	2.3
9-21	do	.....	.....	.....	.0
FISHER PUMP—A-3128					
Diverted from Mud (Beaver) Creek—Sec. 34-13-15 W.					
Measurements Made at Pump Site					
8-28	C. H. Carstens	.....	.....	.....	0.0
FOLLETT-KROTTER CANAL—A-705, A-720, A-975, A-2294, A-2805					
Diverted from Frenchman River—Sec. 35-5-34 W.					
Measurements Made at Rating Flume					
10- 9	K. S. Essex	.....	.....	.....	0.0
10-31	do	7.7	2.01	1.54	15.5
11-22	do	6.3	2.59	1.54	16.3
12-20	do	.....	.....	.....	.0
2-20	do	.....	.....	.....	.0
3-12	do	.....	.....	.....	.0
4- 3	do	.....	.....	.....	.0
5- 2	do	.....	.....	.....	.0
5-29	do	7.8	2.19	1.23	17.1
6-27	do	5.4	2.22	.95	12.0
8-23	Essex-Gerlach	7.4	.21	1.33	15.2
9-21	do	5.7	1.75	1.45	10.0
FURMAN CANAL, NORTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements Made at Headgate					
10-16	K. S. Essex	.....	.....	.....	0.2
11- 7	do	0.9	0.56	.....	.5
12-13	do	.....	.....	.....	.1
2-28	do	.....	.....	.....	.0
3-23	do	.....	.....	.....	.0
5-16	do	1.4	1.00	.....	1.4
6-20	do	2.1	1.00	.....	2.1
7-16	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
9- 6	do	2.3	.79	.....	1.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
FURMAN CANAL, SOUTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements Made at Headgate					
10-16	K. S. Essex	5.3	1.36	.....	7.2
11- 7	do	2.1	1.33	.....	2.8
12-13	do	.....	.....	.....	.1
2-28	do	.....	.....	.....	.0
3-23	do	.....	.....	.....	.0
5-16	do	6.0	1.27	.....	7.6
6-20	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	3.0
8-13	do	.....	.....	.....	.0
GALLUP CANAL—D-426					
Diverted from Chadron Creek—Sec. 15-33-49 W.					
Measurements Made at Headgate					
12-12	K. S. Essex	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
GATCH CANAL—A-1220					
Diverted from Melbeta Drain—Sec. 25-21-54 W.					
Measurements Made at Rating Flume					
10- 6	H. P. Eisenhuth	2.0	0.30	.....	0.6
10-30	do	1.6	.38	.....	.6
11- 4	do	1.6	.38	.....	.6
6- 8	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
6-21	do	2.5	.22	.....	.9
7- 3	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0
8- 3	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-30	do	2.3	.78	.....	1.8
9-13	do	.....	.....	.....	.0
GERING CANAL—A-365					
Diverted from North Platte River and Pathfinder Reservoir— Sec. 4-23-58 W.					
Measurements Made at 15-foot Parshall Flume					
10-..5	H. P. Eisenhuth	5.8	0.12	0.14	0.7
10-13	do	19.2	2.95	1.02	56.6
10-27	do	35.0	4.18	1.76	146.1
5- 6	do	28.0	3.99	1.46	111.6
5-17	do	3.6	.97	.22	3.5
5-31	A. W. Hall	.....	.....	.07	1.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
GERING CANAL—Concluded					
6- 7	H. P. Eisenhuth	28.2	3.93	1.47	110.9
6-21	do	4.0	.90	.25	3.6
7- 4	do	.....	.....	.....	2.0
7-11	do	26.0	3.81	1.38	99.2
7-26	do	20.4	3.21	1.07	66.2
8- 2	do	26.5	3.77	1.37	99.9
8-15	do	23.6	3.48	1.22	82.1
8-30	do	1.9	.58	.12	1.1
9-12	do	.....	.....	.....	1.4
9-26	do	.....	.....	.13	.8
GERING CANAL—A-365					
Diverted from North Platte River—Sec. 4-23-58 W.					
Measurements Made at 15-foot Parshall Flume, Bad Lands Station—Sec. 29-22-55 W.					
6- 5	H. P. Eisenhuth	68.8	1.52	1.43	103.4
GERING CANAL—A-365					
Diverted from Melbeta Drain—Sec. 24-21-54 W.					
Measurements Made at Lateral Headgate					
10- 6	H. P. Eisenhuth	2.6	0.71	1.08	1.8
10-30	do	.....	.....	.....	.0
11- 4	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
5-24	do	3.2	1.00	1.45	3.2
6- 8	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
6-21	do	1.2	.83	1.28	1.0
7- 3	do	2.7	1.18	1.54	3.2
7-19	do	3.8	.92	1.29	3.5
8- 3	do	3.0	1.17	1.55	3.5
8-16	do	.6	.23	.91	.1
8-30	do	.....	.....	.....	.0
9-13	do	3.2	.56	1.10	1.8
GERING CANAL SPILL					
Melbeta—Sec. 14-21-54 W.					
10-30	H. P. Eisenhuth	4.5	1.03	0.56	46.3
11- 4	do	.....	.....	.....	.0
11-25	do	2.3	9.00	.24	20.8
6- 8	do	.....	.....	.....	.5
6-14	do	.....	.....	.....	.5
7-12	do	.2	1.43	.....	.3
GILES CANAL—D-187					
Diverted from Goose Creek—Sec. 2-25-25 W.					
Measurements Made at Headgate					
9- 8	C. H. Carstens	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
GILLARD CANAL—D-812					
Diverted from Ash Creek—Sec. 3-16-42 W.					
Measurements Made at Headgate					
9-10	Fred Hervert	.....	.....	.....	0.0
GLASS PUMP—A-2973					
Diverted from Mud (Beaver) Creek—Sec. 1-13-16 W.					
Measurements Made 100 Feet below Pump					
9- 4	C. H. Carstens	1.12	0.88	.....	1.0
GOCHNAUER CANAL—A-2420					
Diverted from Big Bordeaux Creek—Sec. 10-33-48 W.					
Measurements Made at Headgate					
7-12	K. S. Essex	.....	.....	.....	0.0
GOTHENBURG DIVERSION CANAL—D-645a, 645b					
Diverted from Platte River—Sec. 29-12-26 W.					
Measurements Made at Parshall Flume—Sec. 28-12-26 W.					
10- 6	Fred Hervert	58.4	3.29	1.94	192.0
1- 8	do	57.5	3.16	1.88	181.4
5-18	do	57.0	3.32	1.96	189.4
5-25	do	81.8	3.93	2.68	321.7
6- 4	do	54.1	2.93	1.81	158.6
6-24	do	55.3	3.12	1.83	172.5
7- 4	do	56.8	3.14	1.90	178.2
7- 9	do	52.7	3.05	1.74	160.8
7-16	do	54.0	3.12	1.78	168.4
7-17	do	75.0	3.89	2.43	291.5
7-21	do	126.3	1.97	2.26	249.4
7-23	do	122.4	1.95	2.22	238.4
7-31	do	102.8	1.67	1.83	171.2
8- 6	do	101.8	1.62	1.83	164.4
8-11	do	77.6	1.65	1.54	128.1
8-14	do	49.6	1.18	1.08	58.4
8-23	do	16.6	1.72	.72	28.6
8-31	do	53.7	1.07	1.01	57.4
9-13	do	62.5	1.25	1.18	78.3
GOTHENBURG IRRIGATION CANAL—D-645b					
Diverted from Platte River and Sutherland Reservoir—Sec. 29-12-26 W.					
Measurements Made at Rating Flume—Sec. 3-11-25 W.					
10- 6	Fred Hervert	39.1	1.11	1.76	43.4
10-16	do	62.7	1.51	2.54	94.6
11- 2	do	103.8	2.25	4.54	233.7
12-11	do	45.1	1.65	2.54	74.3
3-22	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
GOTHENBURG IRRIGATION CANAL—Concluded					
4- 8	Fred Hervert	.....	.....	.....	0.0
4-20	do	49.6	1.19	2.34	58.9
4-36	do	77.0	2.16	3.30	166.3
5- 6	do	83.7	2.81	3.54	234.8
5-25	do	72.0	1.96	2.69	141.1
5-27	do	7.6	1.09	.90	8.3
6-15	do	.....	.....	.....	2.0
7- 1	do	11.0	.78	1.80	8.7
7-12	do	25.6	.78	1.69	19.9
7-15	do	15.3	.75	1.50	11.4
7-17	do	64.5	1.73	2.42	111.4
7-18	do	66.3	1.51	2.37	100.1
7-21	do	65.9	1.42	2.30	93.9
7-22	do	63.4	1.23	2.17	78.0
7-26	do	67.4	1.33	2.27	89.6
7-28	do	75.9	1.40	2.53	106.5
8- 1	do	22.6	.69	1.92	15.5
8- 6	do	23.4	.47	2.06	11.0
8-11	do	13.1	.36	1.32	4.7
8-14	do	20.4	.40	1.76	8.2
8-23	do	.....	.....	.....	.3
8-31	do	3.9	.51	1.49	2.0
9-13	do	.....	.....	.....	.2
9-21	do	.....	.....	1.92	2.0

GOTHENBURG IRRIGATION CANAL—D645b

Diverted from Platte River and Sutherland Reservoir—Sec. 29-12-26 W.
 Measurements Made at Lateral above Rating Station—Sec. 3-11-25 W.

11- 2	Fred Hervert	5.1	0.94	4.54	4.8
-------	--------------	-----	------	------	-----

GOTHENBURG POWER RETURN

Gothenburg—Sec. 9-11-25 W.

10- 6	Fred Hervert	72.0	1.89	3.29	136.2
11- 2	do	66.9	1.97	3.29	132.0
12-11	do	67.0	2.12	3.36	142.0
2- 3	do	64.7	2.16	3.28	139.6
3- 9	do	66.2	2.29	3.42	151.6
3-22	do	73.5	2.28	3.52	167.3
4- 8	do	70.8	2.29	3.45	162.3
4-20	do	66.4	2.70	3.66	179.6
5- 6	do	67.6	2.04	3.35	138.0
5-25	do	69.6	2.11	3.50	147.1
6- 4	do	79.5	2.07	3.64	164.5
6-15	do	75.0	1.89	3.42	141.7
7- 3	do	75.8	1.83	3.34	138.5
7- 9	do	73.9	1.87	3.37	138.3
7-14	do	77.8	1.79	3.04	139.3

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
GOTHENBURG POWER RETURN—Concluded					
7-16	Fred Hervert	73.6	1.69	2.87	124.6
7-21	do	84.2	1.70	3.14	143.1
7-22	do	83.6	1.69	3.12	141.4
7-26	do	79.6	1.77	3.01	141.0
7-31	do	79.4	1.66	2.99	132.2
8- 6	do	80.5	1.80	3.03	142.7
8-11	do	59.2	1.55	2.39	91.8
8-14	do	42.8	1.44	1.94	61.8
8-22	do	20.5	.57	1.18	11.6
8-31	do	38.0	1.37	1.81	52.2
9-13	do	26.6	1.13	1.50	30.2

GRAF CANAL—D-763R, D-781R, D-788
 Diverted from Blue Creek and Crescent Lake, A-1575—
 Sec. 19-16-42 W.

Measurements Made at Rating Flume

10-22	Fred Hervert	10.4	0.93	1.16	9.7
1-29	do	.....	.....	.....	.0
2-16	do	.....	.....	.....	.0
3-16	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5-10	do	10.4	1.02	1.11	10.6
5-22	do	18.2	1.35	1.94	24.5
6-19	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0

GUNDERSON CANAL—D-305
 Diverted from Lodgepole Creek—Sec. 1-14-52 W.

Measurements Made at Headgate

2-13	K. S. Essex	.....	.....	.....	0.0
3- 6	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5- 8	do	.....	.....	.....	3.0
6- 5	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0

HAESLER PUMP--A-2222
 Diverted from Middle Loup River—Sec. 13-15-15 W.

Measurements Made at Pump Site

9- 9	C. H. Carstens	0.0
------	----------------	-------	-------	-------	-----

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
HALE CANAL—D-320, D-321, D-322					
Diverted from Lodgepole Creek—Sec. 36-14-49 W.					
Measurements Made below Headgate					
10- 5	K. S. Essex	0.8	1.01	0.62	0.8
10-26	do	.....	.....	.....	.2
11-29	do	.8	.50	.59	.4
2-13	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5- 8	do	1.6	1.31	.....	2.1
6- 6	do	1.8	1.11	.92	2.0
7- 5	do	1.2	1.00	.....	1.2
8- 7	do	1.0	.50	.....	.5
8-30	do	1.4	.79	.....	1.1
HALL CANAL—D-478c					
Diverted from White River—Sec. 34-32-52 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	3.4	1.21	0.92	4.1
11- 8	do	3.3	1.97	.89	6.5
12-12	do	.....	.....	.....	.0
1-17	do	.....	.....	.....	.0
2- 6	do	.....	.....	.....	.0
2-27	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
HALL PUMP—A-2792					
Diverted from Mud (Beaver) Creek—Sec. 15-15-18 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
HALLOWAY-PHELPS CANAL—D-717					
Diverted from White Tail Creek—Sec. 36-15-38 W.					
Measurements Made Below Diversion Dam					
4-23	Fred Hervert	.....	.....	.....	0.0
5- 9	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
HARPER CANAL—A-2316					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements Made at Headgate					
2-21	Fred Hervert	.....	.....	.....	0.0
3-16	do	.....	.....	.....	.0
HARRIS-COOPER CANAL—D-464a, D-464b					
Diverted from White River—Sec. 26-32-52 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	2.1	0.76	.....	1.6
11- 8	do	1.2	.92	0.39	1.1
12-12	do	.....	.....	.....	.0
1-17	do	.....	.....	.....	.0
2-27	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-18	do	6.6	.42	1.40	6.4
7-15	do	.....	.....	.....	.0
8-10	do	2.9	1.96	.38	5.7
9- 5	do	3.0	1.87	.37	5.6
HARRIS-NEECE CANAL—D-517, A-2275					
Diverted from Niobrara River—Sec. 3-28-55 W.					
Measurements Made at Headgate					
11- 9	K. S. Essex	5.4	2.04	.....	11.0
12-13	do	5.4	2.04	.....	11.0
3-22	do	.....	.....	.....	.0
4-23	do	6.0	2.13	.....	12.8
5-16	do	4.8	1.94	.....	9.3
6-21	do	4.8	1.46	.....	7.0
7-13	Essex-Rasmussen	.....	.....	.....	.0
8-12	K. S. Essex	3.6	1.56	0.46	5.6
HARTZELL CANAL—D-448					
Diverted from Little Bordeaux Creek—Sec. 13-33-48 W.					
Measurements Made at Headgate					
10-13	K. S. Essex	.....	.....	.....	0.0
11- 6	do	.....	.....	.....	.0
12-11	do	.....	.....	.....	.0
2- 5	do	.....	.....	.....	.0
2-26	do	.....	.....	.....	.0
3-21	do	.....	.....	.....	.0
4-25	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-19	do	1.6	.56	.....	.9
7-12	do	.5	.44	.....	.2
9- 8	do	.9	.33	.....	.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
HAT CREEK CANAL, WEST—D-553a					
Diverted from Hat Creek—Sec. 16-32-55 W.					
Measurements Made below Headgate					
10-15	K. S. Essex	.....	.....	.....	0.3
5-21	do	.....	.....	.....	.3
HEAPY PUMP—A-3004					
Diverted from Clear Creek—Sec. 10-14-16 W.					
Measurements Made at Pump Site					
9- 4	C. H. Carstens	.....	.....	.....	0.0
HEARD CANAL NO. 1—D-916					
Diverted from Pumpkinseed Creek—Sec. 14-19-54 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
HEARD CANAL NO. 2—D-916					
Diverted from Pumpkinseed Creek—Sec. 14-19-54 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
HIGH LINE CANAL—A-1682					
Diverted from Jim Creek—Sec. 13-33-57 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-22	do	.....	.....	.....	.0
7-13	Essex-Rasmussen	.....	.....	.....	.0
HITSHEW CANAL—A-1260					
Diverted from Niobrara River—Sec. 6-28-52 W.					
Measurements Made at Headgate					
11- 7	K. S. Essex	.....	.....	.....	0.0
12-13	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.0
5-16	do	7.3	0.78	.....	5.7
6-20	do	.....	.....	.....	.0
7-13	Essex-Rasmussen	.....	.....	.....	.0
8-12	K. S. Essex	.....	.....	.....	.0
HOLCOMBE CANAL—D-636					
Diverted from Pawnee Creek—Sec. 13-13-28 W.					
Measurements Made at Rating Flume					
5-27	Fred Hervert	2.8	1.43	0.63	4.0
6- 4	do	.....	.....	.....	.0
6-15	do	1.9	1.53	.42	2.9
6-24	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
HOLLINGSWORTH CANAL—D-723					
Diverted from South Platte River—Sec. 7-13-38 W.					
Measurements Made at Rating Station					
10-12	Fred Hervert	.....	.....	.....	0.3
2-21	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4-24	do	1.6	0.94	0.20	1.5
5- 9	do	.4	.50	.05	.2
5-23	do	5.0	1.06	1.54	5.3
6-19	do	10.2	.93	2.05	9.5
8-15	do	6.6	1.03	1.90	6.8
8-30	do	.....	.....	.04	.0
9-10	do	6.0	1.05	.82	6.3
HOOPER CANAL—D-781, D-788R					
Diverted from Blue Creek and Crescent Lake, A-1575—Sec. 6-16-42 W.					
Measurements Made at Rating Flume					
10-26	Fred Hervert	7.0	1.67	1.39	11.7
11- 6	do	3.0	.97	.62	2.9
1-29	do	.....	.....	.....	.0
2-16	do	.....	.....	.....	.0
3-16	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5-10	do	5.0	1.40	1.02	7.0
5-22	do	5.5	1.45	1.10	8.0
6-19	do	7.5	1.76	1.48	13.2
8-15	do	4.4	2.95	.88	6.7
9-10	do	4.8	1.44	.95	6.9
HOOVER CANAL—D-353					
Diverted from Lodgepole Creek—Sec. 12-14-59 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
5- 9	do	3.8	0.76	.....	2.9
7- 6	do	.....	.....	.....	.0
8- 5	Essex-Hanna	2.9	.52	.....	1.5
HOPEFUL CANAL—A-2135					
Diverted from Lawrence Fork Creek—Sec. 1-18-52 W.					
Measurements Made at Headgate					
10-24	K. S. Essex	.....	.....	.....	0.0
12- 5	do	.....	.....	.....	.0
3- 4	do	.....	.....	.....	.0
5- 7	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
HOWARD CANAL—D-336, A-1645					
Diverted from Lodgepole Creek—Sec. 31-14-47 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
HUGHES CANAL—D-987a, D-987b					
Diverted from Niobrara River—Sec. 1-28-52 W.					
Measurements Made at Headgate					
11- 7	K. S. Essex	.....	.....	.....	0.0
12-13	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.0
5-16	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.5
7-13	Essex-Rasmussen	1.7	0.18	.....	.3
8-12	K. S. Essex	.....	.....	.....	.0
HURLEY-LILLY-POLLY CANAL—D-354					
Diverted from Lodgepole Creek—Sec. 26-15-56 W.					
Measurements Made at Rating Flume					
10- 4	Essex-Hanna	2.5	0.65	0.55	1.6
10-26	K. S. Essex	3.5	.43	.72	1.5
11-28	do	.....	.....	.....	.0
12-28	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
6- 5	Essex-Hanna	2.5	1.16	.....	2.9
7- 6	do	2.5	.92	.25	2.3
8- 6	do	2.5	.72	.21	1.8
8-29	do	3.5	.57	.42	2.0
INDEPENDENT CANAL—D-343					
Diverted from Lodgepole Creek—Sec. 7-14-58 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	.....	.....	.....	.0
2-11	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
7- 6	Essex-Hanna	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
INMAN CANAL—D-79, A-436					
Diverted from Frenchman River—Sec. 17-6-40 W.					
Measurements Made at Rating Flume					
10-10	K. S. Essex	.....	.....	.....	0.0
10-30	do	.....	.....	.....	.0
11-21	do	.....	.....	.....	.0
12-19	do	.....	.....	.....	.0
1-22	do	.....	.....	.....	.0
2-19	do	.....	.....	.....	.0
4-2	do	.....	.....	.....	.0
4-29	do	7.6	0.58	0.85	4.4
5-28	do	4.9	.33	.43	1.6
6-26	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
JENKINS CANAL—A-924					
Diverted from Buffalo Creek—Sec. 18-1-40 W.					
Measurements Made at Headgate					
2-23	K. S. Essex	.....	.....	.....	0.0
8-21	do	1.2	1.08	.....	1.3
JOHN CANAL—A-2105					
Diverted from Middle Loup River—Sec. 18-15-14 W.					
Measurements Made at Headgate					
9-9	C. H. Carstens	.....	.....	.....	0.0
JOHNSON CANAL—D-511					
Diverted from Niobrara River—Sec. 36-31-57 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.0
11-9	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
JOHNSON CANAL—A-612					
Diverted from Lodgepole Creek—Sec. 23-13-45 W.					
Measurements Made at Headgate					
10-6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
12-1	do	.....	.....	.....	.0
12-29	do	.....	.....	.....	.0
2-15	do	3.4	0.50	.....	1.7

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
JOHNSON CANAL—Concluded					
3- 7	K. S. Essex	.....	.....	.....	3.2
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
6- 7	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
KEARNEY CANAL—D-1023, A-1577					
Diverted from Platte River and Sutherland Reservoir—Sec. 3-8-18 W.					
Measurements Made at Rating Flume North of Odessa—					
Sec. 33-9-17 W.					
10-20	Fred Hervert	119.4	2.04	4.90	243.6
10-31	do	49.2	1.27	3.24	62.6
12-10	do	175.6	2.25	6.05	394.1
2- 7	do	150.2	1.71	7.32	257.0
2-28	do	132.2	1.61	7.49	213.4
3- 9	do	132.0	2.07	5.30	272.9
3-21	do	147.7	2.01	5.44	296.1
4- 7	do	176.6	2.15	6.03	380.4
4-18	do	149.1	1.97	5.42	293.6
5- 1	do	169.2	2.21	5.98	374.3
5-17	do	35.0	1.18	2.96	41.4
5-27	do	70.6	1.44	3.72	101.9
6- 3	do	137.0	1.90	5.10	260.1
6-13	do	190.9	2.07	6.20	394.7
6-23	do	15.7	1.08	2.55	17.0
7- 4	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
7-13	do	122.4	1.92	4.99	235.5
7-17	do	21.4	.94	2.58	20.1
7-29	do	7.3	1.05	2.30	7.7
8- 2	do	12.5	1.12	2.43	14.0
8- 7	do	15.8	1.13	2.50	17.8
8- 9	do	15.3	1.16	2.48	17.8
8-23	do	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0
KEARNEY POWER RETURN					
Sec. 12-8-16 W.					
11- 1	Fred Hervert	19.2	1.60	0.21	30.7
12-11	do	111.0	3.81	2.66	423.0
3- 8	do	99.3	3.49	2.18	346.7
3-22	do	90.0	3.24	1.97	291.0
4- 7	do	104.9	3.40	2.22	356.4
4-18	do	100.0	3.46	2.27	346.3
5- 5	do	73.8	2.62	1.30	193.5
5-17	do	.....	.....	.60	.2

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
KEARNEY POWER RETURN—Concluded					
5-27	Fred Hervert	52.8	2.54	0.92	134.1
6- 3	do	73.6	2.53	1.34	186.2
6-13	do	101.4	3.53	2.31	358.0
6-23	do	.....	.....	.66	.2
KEITH-LINCOLN COUNTY CANAL—D-722 Diversed from North Platte River—Sec. 18-14-36 W. Measurements Made at Rating Flume					
10-12	Fred Hervert	32.8	2.16	1.04	70.8
10-22	do	23.3	1.93	.75	45.0
11- 5	do	27.0	1.83	.86	49.3
3-31	do	.....	.....	.....	.0
5- 8	do	41.5	2.21	1.33	91.6
5-23	do	22.8	1.64	.75	37.5
6-18	do	35.5	1.86	1.12	65.9
9-19	do	32.7	1.98	1.05	64.6
KEITH-LINCOLN COUNTY CANAL SPILL Sec. 23-14-34 W.					
10- 8	Fred Hervert	10.4	2.48	0.84	25.9
10-22	do	8.8	1.95	.72	17.2
5- 8	do	9.6	1.91	.73	18.3
5-23	do	6.5	1.49	.53	9.7
6-18	do	10.7	1.81	.75	19.4
KELSO CANAL—A-2151, A-2279, A-2328, A-2456 Diversed from Big Bordeaux Creek—Sec. 14-33-48 W. Measurements Made at Pump					
10-13	K. S. Essex	.....	.....	.....	0.0
12-11	do	.....	.....	.....	.0
2-26	do	.....	.....	.....	.0
3-21	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.8
7-12	do	0.6	1.33	.....	.8
9- 8	do	.....	.....	.....	.0
KENT-BURKE CANAL—A-1694 Diversed from Pawnee Creek—Sec. 18-13-27 W. Measurements Made at Rating Flume					
5-27	Fred Hervert	.....	.....	.....	0.0
6- 4	do	.....	.....	0.16	.0
6-15	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
KEYSTONE CANAL—D-730, A-662b, A-843, A-1003 Diverted from White Tail Creek—Sec. 26-15-38 W.					
Measurements Made at Headgate					
2-21	Fred Hervert	.....	.....	.....	0.0
4-23	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6-18	do	4.2	1.14	0.80	4.8
8-21	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
KIMBALL CANAL, NORTH—A-897 Diverted from Lodgepole Creek and Oliver Reservoir, A-897— Sec. 36-15-57 W.					
Measurements Made below Headgate					
6- 5	Essex-Hanna	8.0	1.12	1.86	9.0
7- 6	do	4.4	.96	1.05	4.2
8- 5	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
8-29	K. S. Essex	.....	.....	.....	.0
KIMBALL CANAL, SOUTH—A-897 Diverted from Lodgepole Creek and Oliver Reservoir, A-897— Sec. 36-15-57 W.					
Measurements Made at Headgate					
6- 5	Essex-Hanna	.....	.....	.....	0.0
7- 6	K. S. Essex	7.8	2.28	1.70	17.8
8- 5	Essex-Hanna	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
KIMBALL RESERVOIR CANAL SPILL TO LODGEPOLE CREEK Sec. 36-15-57 W.					
8-29	Essex-Hanna	.....	.....	.....	1.5
KING CANAL, EAST—A-1440, A-1587 Diverted from Lawrence Fork Creek—Sec. 15-18-52 W.					
Measurements Made at Headgate					
10-24	K. S. Essex	1.9	0.53	.....	1.0
12- 5	do	.....	.....	.....	.0
3- 4	do	.....	.....	.....	.0
7-19	do	1.5	1.27	.....	1.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
KING CANAL, WEST—A-1440					
Diverted from Lawrence Fork Creek—Sec. 15-18-52 W.					
Measurements Made at Headgate					
10-24	K. S. Essex	.....	.....	.....	0.0
12- 5	do	.....	.....	.....	.0
3- 4	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0
KINNEY CANAL, NORTH—D-348, A-718					
Diverted from Lodgepole Creek—Sec. 33-15-56 W.					
Measurements Made at Headgate					
10- 4	Essex-Hanna	.....	.....	.....	0.0
10-26	K. S. Essex	.....	.....	.....	.0
11-28	do	.....	.....	.....	.0
12-28	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
6- 5	Essex-Hanna	2.8	0.50	0.76	1.4
7- 6	do	.3	1.00	.44	.3
8- 6	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
KINNEY CANAL, SOUTH—D-345, D-350, A-718R, A-1828					
Diverted from Lodgepole Creek—Sec. 31-15-56 W.					
Measurements Made at Headgate					
10- 4	Essex-Hanna	0.8	1.61	0.20	1.3
10-26	K. S. Essex	.8	1.37	.20	1.1
11-28	do	.8	2.50	.22	2.0
12-28	do	.....	.....	.....	2.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5- 9	do	.8	2.38	.18	1.9
6- 5	Essex-Hanna	1.6	1.62	.41	2.6
7- 6	do	.8	2.63	.20	2.1
8- 6	do	.8	2.62	.22	2.1
8-29	K. S. Essex	.8	2.50	.21	2.0
KITE CANAL—A-1375, A-1469, A-1470					
Diverted from Monroe Creek and Jordan Reservoir, A-1399— Sec. 13-33-56 W.					
Measurements Made at Headgate					
5-21	K. S. Essex	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
KROTTER POWER CANAL—A-1021					
Diverted from Frenchman River—Sec. 35-5-34 W.					
Measurements Made at Intersection of Highway No. 6 and Canal					
10- 9	K. S. Essex	40.9	1.76	2.02	71.8
10-31	do	37.2	1.70	1.90	63.2
11-22	do	36.3	1.67	1.87	60.6
12-20	do	45.6	1.72	2.25	78.6
2-20	do	16.2	1.52	1.00	24.8
3-12	do	48.0	1.92	2.38	92.2
4- 3	do	43.0	1.93	2.00	83.0
5- 2	do	46.5	1.75	2.32	81.4
5-29	do	39.3	1.72	1.98	67.6
6-27	do	47.6	1.91	1.80	91.0
7-31	do	55.7	1.89	2.08	105.1
8-23	Essex-Gerlach	36.4	1.54	1.35	55.9
9-21	do	39.8	1.48	1.52	58.9

KRUEGER CANAL NO. 1—D-325, D-968
 Diverted from Lodgepole Creek—Sec. 29-14-48 W.
 Measurements Made at Headgate

10- 5	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	4.8	0.69	.....	3.3
12-29	do	.....	.....	.....	.0
1-31	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.2
4-12	do	5.0	.90	.....	4.5
5- 8	do	4.0	.90	.....	3.6
6- 6	do	4.4	.66	.....	2.9
7- 5	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.1

KRUEGER CANAL NO. 2—D-324
 Diverted from Lodgepole Creek—Sec. 32-14-48 W.
 Measurements Made at Headgate

10- 5	K. S. Essex	5.4	0.93	.....	5.0
10-27	do	4.9	.76	.....	3.7
11-29	do	2.9	.79	.....	2.3
12-29	do	2.9	.55	.....	1.6
1-31	do	.....	.....	.....	.0
2-15	do	3.6	1.47	.....	5.3
3- 7	do	5.0	.28	.....	1.4
4-12	do	.....	.....	.....	.0
5- 8	do	.....	.....	.....	.0
6- 6	do	.....	.....	.....	.3

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
KRUEGER CANAL NO. 2—Concluded					
7- 5	K. S. Essex	.....	.....	.....	0.5
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
KRUEGER CANAL NO. 3—D-323 Diverted from Lodgepole Creek—Sec. 32-14-48 W. Measurements Made at Headgate					
10- 5	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
12-29	do	.....	.....	.....	.0
1-31	do	.....	.....	.....	.0
2-15	do	2.2	0.95	.....	2.1
3- 7	do	4.2	.45	.....	1.9
4-12	do	3.2	.81	.....	2.6
5- 8	do	.....	.....	.....	.0
6- 6	do	.....	.....	.....	.0
7- 5	do	4.4	1.47	.....	3.0
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
LaBELLE CANAL—D-518, A-60 Diverted from Niobrara River—Sec. 6-28-54 W. Measurements Made at Headgate					
11- 9	K. S. Essex	1.8	2.67	.....	4.8
12-13	do	4.0	3.15	.....	12.6
3-22	do	.....	.....	.....	.0
4-23	do	3.2	3.50	0.90	11.2
5-16	do	.....	.....	.....	.0
6-21	do	2.8	.93	.....	2.6
7-13	Essex-Rasmussen	.....	.....	.....	.0
8-12	K. S. Essex	.8	4.75	.....	3.8
LAING CANAL—D-825 Diverted from Lawrence Fork Creek—Sec. 28-18-52 W. Measurements Made at Headgate					
10-24	K. S. Essex	.....	.....	.....	0.0
12- 5	do	0.6	0.50	.....	.3
3- 4	do	.....	.....	.....	.0
5- 7	do	.2	.96	.....	.2
7-19	do	.....	.....	.....	.0
LAKOTAH CANAL—D-554 Diverted from Niobrara River—Sec. 1-30-57 W. Measurements Made at Headgate					
10-15	K. S. Essex	5.6	0.36	.....	2.0
11- 9	do	8.5	.81	.....	6.9

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
LAKOTAH CANAL—Concluded					
3-22	K. S. Essex	.....	.....	.....	2.0
6-21	do	6.4	.66	.....	4.2
8-12	do	7.2	.32	.....	2.3
LANG PUMP—A-1848, A-2445					
Diverted from Mud (Beaver) Creek—Sec. 13-14-17 W.					
Measurements Made at Pump Site					
9- 4	C. H. Carstens	.....	.....	.....	0.0
LANG PUMP—A-2793					
Diverted from Mud (Beaver) Creek—Sec. 19-14-16 W.					
Measurements Made at Pump Site					
9- 4	C. H. Carstens	.....	.....	.....	0.0
LAST CHANCE CANAL—D-883					
Diverted from Pumpkinseed Creek—Sec. 27-19-50 W					
Measurements Made at Rating Flume					
10-24	K. S. Essex	6.6	1.68	1.14	11.1
12- 6	do	6.0	1.50	1.00	9.0
3- 4	do	.....	.....	.....	.0
3-29	do	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
5- 7	do	3.6	1.64	.57	5.9
5-24	do	4.8	1.65	.82	7.9
7-19	do	.....	.....	.....	.1
LAUGHRAN AND BELL CANAL—D-217					
Diverted from Victoria Creek—Sec. 3-19-21 W.					
Measurements Made at Pump Site					
9- 7	C. H. Carstens	.....	.....	.....	0.0
LEE CANAL—D-973					
Diverted from Gordon Creek—Sec. 6-29-33 W.					
Measurements Made at Headgate					
4-17	K. S. Essex	11.4	1.18	1.58	13.5
LEININGER PUMP—A-2395					
Diverted from Middle Loup River—Sec. 12-15-15 W.					
Measurements Made at Pump Site					
9- 9	C. H. Carstens	.....	.....	.....	0.0
LEONARD PUMP—A2344					
Diverted from Laughing Water Creek—Sec. 25-32-19 W.					
Measurements Made at Headgate					
9-17	C. H. Carstens	0.6	1.05	.....	0.6

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
LEONARD PUMP—A-2344					
Diversed from Coon Creek—Sec. 24-32-19 W.					
Measurements Made at Headgate					
9-17	C. H. Carstens	1.8	0.83	.....	1.5
LIBBY CANAL—D-312					
Diversed from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	2.8	1.25	.....	3.5
11-29	do	.....	.....	.....	.0
12-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	1.2	1.00	.....	1.2
6- 6	do	2.2	1.27	.....	2.8
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
LIBBY CANAL—D-313					
Diversed from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
11-29	do	.....	.....	.....	.0
12-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
LIBBY CANAL—D-314					
Diversed from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
11-29	do	.....	.....	.....	.0
12-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
LIBBY CANAL—D-315					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	6.0
11-29	do	.....	.....	.....	.0
12-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
LICHTE CANAL—D-479, A-1086, A-1088, A-2523					
Diverted from Niobrara River—Sec. 27-29-48 W.					
Measurements Made at Headgate					
10-16	K. S. Essex	8.9	1.06	0.68	9.4
11- 7	do	11.0	.98	.85	10.8
12-11	do	.....	.....	.....	.0
12-16	do	.....	.....	.....	.0
1-16	do	.....	.....	.....	.0
2- 5	do	.....	.....	.....	.0
2-26	do	.....	.....	.....	.0
3- 2	do	.....	.....	.....	.0
3-20	do	.....	.....	.....	.0
3-23	do	.....	.....	.....	.0
4-25	do	.....	.....	.....	.0
5-16	do	11.2	1.22	1.65	13.6
6-20	do	7.2	.97	.70	7.0
7-16	do	9.6	1.12	.98	10.8
8-13	do	6.7	.60	.66	4.1
9- 6	do	8.0	.58	.66	4.6
LISCO CANAL—D-787, D-856, A-243, A-991					
Diverted from North Platte River—Sec. 14-18-47 W.					
Measurements Made at 40-foot Weir—Sec. 24-18-47 W.					
1- 2	Fred Hervert	.....	.....	.....	0.0
1-27	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3-15	do	.....	.....	.....	.0
3-29	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
LOGAN CANAL—D-902					
Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	5.4	0.85	.....	4.6
5-25	do	5.6	.57	.....	3.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
LONERGAN CANAL—D-699					
Diverted from Lonergan Creek—Sec. 17-15-39 W.					
Measurements Made at Headgate					
10-12	Fred Hervert	1.9	0.84	.....	1.6
2-21	do	1.4	.71	.....	1.0
3-18	do	1.2	1.00	0.90	1.2
4- 9	do	1.2	.83	.90	1.0
4-24	do	.8	.75	.88	.6
5- 9	do	.8	.50	.76	.4
5-28	do	1.4	.79	.81	1.1
6-19	do	1.0	.40	.69	.4
6-26	do	1.4	.71	.81	1.0
8-28	do	1.0	.80	.75	.8
9-10	do	.....	.....	.....	.0
LUNDY (DORIS) POWER CANAL—D-1024, A-1224					
Diverted from Middle Loup River—Sec. 4-19-19 W.					
Measurements Made below Spillway					
5- 1	C. H. Carstens	182.0	1.74	.....	317.0
5-29	do	182.0	1.99	.....	362.0
6-26	do	180.0	1.85	.....	333.0
7-23	do	185.0	1.63	.....	301.0
8-14	do	181.0	1.55	.....	280.0
9- 7	do	196.0	1.70	.....	333.0
LUTHER PUMP—A-2794					
Diverted from Mud (Beaver) Creek—Sec. 25-15-18 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
LYNGHOLM CANAL—D-337					
Diverted from Lodgepole Creek—Sec. 14-14-51 W.					
Measurements Made at Headgate					
10- 4	K. S. Essex	.....	.....	.....	0.0
10-26	do	.....	.....	.....	.0
11-29	do	1.3	0.77	.....	1.0
2-13	do	.....	.....	.....	.0
3- 4	do	.....	.....	.....	2.0
4-10	do	.....	.....	.....	.0
5- 8	do	.9	.67	.....	.6
6- 5	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
LYONS CANAL—D-803					
Diverted from North Platte River—Sec. 30-17-44 W.					
Measurements Made at Rating Flume					
10-11	Fred Hervert	9.6	1.72	1.15	16.5
1-27	do	.....	.....	.....	.0
2-16	do	.....	.....	.....	.0
3-16	do	.....	.....	.....	.0
3-29	do	.....	.....	.....	.0
5- 9	A. W. Hall	1.4	.79	.15	1.1
9-30	Fred Hervert	10.5	.99	1.28	10.4
McAULIFFE CANAL—D-814					
Diverted from Lodgepole Creek—Sec. 21-13-45 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.5
12- 1	do	.....	.....	.....	1.5
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
6- 7	do	6.4	0.73	.....	4.7
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
McAULIFFE CANAL—A-1559					
Diverted from Lodgepole Creek—Sec. 21-13-45 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
12- 1	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
6- 7	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
MCCARTHY CANAL—D-749					
Diverted from White Tail Creek—Sec. 36-15-38 W.					
Measurements Made at Headgate					
2-21	Fred Hervert	.....	.....	.....	0.0
4-23	do	.....	.....	.....	.3
5- 9	do	.....	.....	.....	.1
5-23	do	1.7	0.53	.....	.9
6-18	do	1.7	.76	.....	1.3
8-21	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
McGINLEY-STOVER CANAL, NORTH—D-513a					
Diverted from Niobrara River—Sec. 25-29-56 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	7.5	0.87	.....	6.5
12-13	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
1-23	do	.....	.....	.....	.0
5-21	do	7.2	.83	.....	6.0
6-21	do	9.5	.61	.....	5.8
7-13	do	10.7	.55	.....	5.9
8-12	do	9.8	.32	.....	3.1
McGINLEY-STOVER CANAL, SOUTH—D-513b					
Diverted from Niobrara River—Sec. 25-29-56 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.0
12-13	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.0
5-21	do	1.8	1.44	.....	2.6
6-21	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
McGRAW CANAL—A-1945, A-2023					
Diverted from Victoria Creek—Sec. 6-19-20 W.					
Measurements Made at Headgate					
5-30	C. H. Carstens	6.1	0.66	.....	4.0
6-26	do	.....	.....	.....	.0
7-23	do	7.2	.38	.....	2.7
8-14	do	.....	.....	.....	.0
9- 7	do	5.4	.57	.....	3.1
McINTOSH CANAL—D-351, A-734					
Diverted from Lodgepole Creek—Sec. 23-15-55 W.					
Measurements Made at Headgate					
10- 4	Essex-Hanna	2.8	0.82	1.43	2.3
10-26	K. S. Essex	3.9	.80	1.28	3.1
11-28	do	3.6	1.08	1.30	3.9
12-28	do	.....	.....	.....	.0
2-11	do	.....	.....	.....	.0
3- 6	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5- 9	do	2.7	1.63	.92	4.4
6- 5	do	3.9	1.13	1.30	4.1
7- 6	Essex-Hanna	1.8	1.00	.62	1.8
8- 6	do	2.4	.50	.81	1.2
8-29	do	2.1	.67	.70	1.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
McLAUGHLIN CANAL—D-966					
Diverted from Lodgepole Creek—Sec. 25-14-48 W.					
Measurements Made at Headgate					
10- 5	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.5
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
McLAUGHLIN CANAL—D-566					
Diverted from Niobrara River—Sec. 9-28-52 W.					
Measurements Made at Headgate					
11- 7	K. S. Essex	7.0	0.54	1.28	3.8
12-13	do	5.4	1.07	.98	5.8
3-22	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.0
5-16	do	8.7	.92	1.20	8.0
6-20	do	4.4	.75	.65	3.3
7-13	Essex-Rasmussen	7.7	.77	1.23	5.9
8-12	K. S. Essex	.....	.....	.....	.0
McMILLAN CANAL—A-2477R, A-2797					
Diverted from Middle Loup River—Sec. 23-21-22 W.					
Measurements Made 1 Mile below Headgate					
5- 2	C. H. Carstens	7.5	0.48	.....	3.5
5-30	do	12.4	.89	.....	11.0
7- 3	do	11.6	.77	.....	8.9
7-23	do	14.0	.77	.....	10.8
8-14	do	15.8	.83	.....	13.2
9- 7	do	14.6	.79	.....	11.6
McMURTRY CANAL*					
Diverted from Gordon Creek—Sec. 1-29-34 W.					
4-17	K. S. Essex	1.6	0.38	.....	0.6
*No appropriation of record.					
MAPLES CANAL—A-2475					
Diverted from Tucker Creek—Sec. 9-14-21 W.					
Measurements Made at Pump Site					
9- 6	C. H. Carstens	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MARANVILLE CANAL—D-70, D-71					
Diverted from Frenchman River—Sec. 12-6-41 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	8.4	0.64	.....	5.4
10-30	do	10.4	.38	3.20	4.0
11-21	do	10.4	.43	3.15	4.5
12-19	do	8.8	.18	2.80	1.6
1-22	do	.....	.....	.....	.5
2-19	do	.....	.....	.....	.5
4- 2	do	8.0	.27	2.65	2.2
4-30	do	8.8	.65	3.02	5.7
5-28	do	8.4	.58	.....	4.9
6-26	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
MARTENS PUMP—A-2801					
Diverted from Big Bordeaux Creek—Sec. 16-34-48 W.					
10-13	K. S. Essex	.....	.....	.....	0.0
12-11	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-12	do	.....	.....	.....	.0
MAY PUMP—A-2730					
Diverted from South Loup River—Sec. 15-15-22 W.					
Measurements Made at Pump Site					
9- 6	C. H. Carstens	.....	.....	.....	0.0
MEEKER CANAL—D-4, D-7, D-8, D-9					
Diverted from Republican River—Sec. 15-3-31 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	16.7	1.39	2.08	23.3
11- 1	do	19.8	1.48	2.42	29.4
11-23	do	21.3	1.55	2.55	33.0
12-20	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
5- 3	do	15.4	1.45	1.92	22.3
5-29	do	17.8	1.71	2.20	30.4
6-28	do	22.8	1.77	2.68	40.3
7-28	do	23.0	1.68	2.74	38.7
8-23	Essex-Gerlach	21.1	1.79	2.68	37.8
9-29	K. S. Essex	14.0	1.45	1.88	20.3
MEGLEMRE CANAL—A-294, A-853					
Diverted from Greenwood Creek—Sec. 3-18-50 W.					
Measurements Made at Rating Flume					
10-24	K. S. Essex	1.4	1.14	.....	1.6
12- 6	do	1.2	1.33	.....	1.6

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MEGLEMRE CANAL—Concluded					
3- 4	K. S. Essex	.....	.....	.....	0.0
3-29	do	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.1
5-24	do	1.5	1.13	.....	1.7
7-19	do	.....	.....	.....	.3
MEREDITH-AMMER CANAL—D-876					
Diverted from Pumpkinseed Creek—Sec. 23-19-50 W.					
Measurements Made at Rating Flume					
10-24	K. S. Essex	.....	.....	.....	0.0
12- 6	do	.....	.....	.....	.0
3- 4	do	.....	.....	.....	.0
3-29	do	.....	.....	.....	.0
5- 6	do	2.4	1.71	0.38	4.1
5-24	do	4.7	2.49	.78	11.7
6-21	Fred Hervert	2.4	2.12	.40	5.1
7- 7	A. W. Hall	1.4	1.21	.24	1.7
7- 8	Essex-Sweet	2.1	1.52	.30	3.2
7-19	K. S. Essex	.....	.....	.....	.0
8- 8	do	2.4	1.92	.40	4.6
9-23	Fred Hervert	5.6	.88	.38	4.9
MERIDIAN CANAL—D-459, A-469					
Diverted from Niobrara River—Sec. 25-29-50 W.					
Measurements Made at Headgate					
10-16	K. S. Essex	4.5	1.00	1.42	4.5
11- 7	do	5.1	.76	1.68	3.9
12-13	do	.....	.....	.....	.0
2-28	do	.....	.....	.....	.0
3-23	do	.....	.....	.....	.0
5-16	do	4.2	.33	1.38	1.4
6-20	do	5.1	1.55	1.65	7.9
7-16	do	3.0	.43	.95	1.3
8-13	do	6.0	1.72	1.90	10.3
9- 6	do	5.7	.88	1.90	5.0
METTLEN CANAL—A-292, A-1248, A-2244					
Diverted from Niobrara River—Sec. 4-28-54 W.					
Measurements Made at Headgate					
11- 9	K. S. Essex	1.3	1.46	.....	1.9
12-13	do	6.2	1.10	.....	6.8
3-22	do	.....	.....	.....	.0
4-23	do	7.4	1.42	.....	10.5
5-16	do	3.6	2.44	.....	8.8
6-21	do	3.4	.41	.....	1.4
7-13	Essex-Rasmussen	.....	.....	.....	.0
8-12	K. S. Essex	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT,					
CANAL NO. 1—A-2293, A-2678					
Diverted from Middle Loup River—Sec. 10-19-18 W.					
Measurements Made at Rating Flume—Sec. 14-19-18 W.					
10- 6	G. O. Travis	13.6	1.46	2.38	19.8
10-13	do	13.8	1.52	2.48	21.0
10-27	do	12.5	1.58	2.52	19.7
11- 1	do	10.8	1.31	2.33	14.1
4- 9	do	9.7	1.38	1.73	13.5
4-15	do	10.8	1.75	1.88	18.9
4-22	do	10.8	1.76	1.90	19.0
4-29	do	12.3	2.02	2.15	24.8
5- 6	do	9.9	1.55	1.75	15.4
5-13	do	12.5	1.88	2.22	23.6
5-20	do	11.4	1.44	1.99	16.4
5-27	do	12.5	1.99	2.23	24.9
6- 3	do	13.1	2.39	2.33	31.3
6-10	do	.....	.....	.....	.0
6-17	do	11.4	1.98	1.98	22.6
6-24	do	10.8	1.74	1.92	18.8
6-27	C. H. Carstens	10.8	1.76	1.89	19.0
7- 1	G. O. Travis	10.8	1.80	1.91	19.5
7- 8	do	12.0	1.99	2.09	23.9
7-15	do	13.4	2.50	2.35	33.5
7-22	do	14.5	2.46	2.54	35.8
7-29	do	14.3	2.28	2.51	32.6
8- 5	do	14.0	2.17	2.45	30.3
8-12	do	12.8	2.14	2.26	27.4
8-19	do	12.5	1.93	2.20	24.1
8-20	C. H. Carstens	14.0	2.16	2.42	30.2
8-26	G. O. Travis	13.7	2.14	2.41	29.3
9- 2	do	13.7	2.01	2.39	27.5
9- 9	do	13.9	2.21	2.46	30.7
9-16	do	12.9	1.68	2.26	21.6
9-23	do	12.6	1.69	2.27	21.2
9-30	do	13.0	1.58	2.28	20.5

MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT,
CANAL NO. 2—A-2293, A-2678

Diverted from Middle Loup River—Sec. 10-19-18 W.

Measurements Made at Rating Flume—Sec. 14-19-18 W.

10- 6	G. O. Travis	17.5	1.61	2.35	28.1
10-13	do	18.0	1.75	2.43	31.4
10-27	do	19.4	1.52	2.41	29.1
11- 1	do	15.9	1.55	2.33	24.6
4- 9	do	8.3	2.00	1.41	16.6
4-15	do	13.9	2.07	1.78	23.8
4-22	do	16.4	2.13	1.99	35.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO 2—Concluded					
4-29	G. O. Travis	16.5	2.14	1.97	35.2
5- 6	do	16.0	2.01	1.97	32.2
5-13	do	15.5	2.00	1.89	31.0
5-20	do	15.6	1.69	1.94	26.4
5-27	do	16.4	1.72	1.96	28.2
6- 3	do	21.4	1.97	2.28	42.1
6-10	do	.....	.....	.....	.0
6-17	do	17.3	1.68	1.98	29.1
6-24	do	17.5	1.55	2.02	27.1
6-27	C. H. Carstens	15.7	1.42	1.92	22.4
7- 1	G. O. Travis	16.0	1.38	1.97	22.1
7- 8	do	18.6	1.82	2.16	33.8
7-15	do	18.1	1.45	2.05	26.3
7-22	do	25.0	2.07	2.64	51.8
7-29	do	25.5	2.21	2.66	56.3
8- 5	do	16.4	1.52	2.08	25.0
8-12	do	12.4	1.54	1.90	19.1
8-19	do	21.9	2.08	2.50	45.6
8-20	C. H. Carstens	20.5	1.77	2.43	36.2
8-26	G. O. Travis	21.0	1.95	2.47	41.0
9- 2	do	18.4	1.78	2.32	32.7
9- 9	do	18.8	1.54	2.27	29.5
9-16	do	16.8	1.47	2.16	24.8
9-23	do	16.7	1.56	2.16	25.9
9-30	do	16.5	1.29	2.17	21.4

**MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT,
CANAL NO. 3—A-2293, A-2678**

Diverted from Middle Loup River—Sec. 1-17-17 W.

Measurements Made at Rating Flume—Sec. 6-17-16 W.

10- 7	G. O. Travis	22.5	1.62	2.62	36.4
10-14	do	19.7	1.69	2.61	33.3
10-28	do	28.9	1.59	2.87	45.9
11- 1	do	26.6	1.61	2.83	42.9
4- 9	do	18.5	1.24	1.61	23.0
4-16	do	22.0	1.52	1.80	33.4
4-23	Carstens-Travis	21.9	1.29	1.76	28.3
4-30	G. O. Travis	19.8	1.43	1.79	28.2
5- 7	do	19.4	1.52	1.81	29.5
5-15	do	24.9	1.34	2.16	33.4
5-21	do	26.0	1.42	2.32	36.9
5-28	do	30.6	1.30	2.30	39.8
6- 4	do	30.5	1.64	2.44	50.0
6-11	do	.....	.....	.....	.0
6-18	do	19.6	.76	1.79	14.8
6-25	do	22.8	1.60	2.10	36.5

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 3—Concluded					
6-27	C. H. Carstens	21.5	1.63	2.05	35.0
7- 2	G. O. Travis	30.3	1.91	2.49	57.7
7- 9	do	24.1	2.09	2.62	71.2
7-16	do	38.0	2.02	2.81	76.4
7-23	do	40.7	2.04	2.90	82.9
7-30	do	40.4	2.38	2.98	96.2
8- 6	do	41.7	2.09	2.96	86.9
8-13	do	41.3	2.07	2.92	85.6
8-20	do	37.8	1.74	2.79	65.6
8-20	C. H. Carstens	36.9	1.74	2.76	64.2
8-27	G. O. Travis	39.7	1.66	2.93	66.2
9- 3	do	32.5	1.52	2.61	49.4
9-10	do	31.6	1.20	2.59	38.1
9-17	do	25.7	1.10	2.32	28.4
9-24	do	23.3	1.00	2.26	23.5

**MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT,
CANAL NO. 4—A-2293, A-2678**
 Diverted from Middle Loup River—Sec. 36-18-17 W.
 Measurements Made at Rating Flume—Sec. 31-18-16 W.

10- 7	G. O. Travis	29.4	1.46	2.96	43.0
10-14	do	26.3	1.23	2.80	32.4
10-28	do	38.5	1.83	3.48	70.5
11- 1	do	26.0	1.53	3.06	39.7
4-16	do	28.2	1.65	2.26	46.6
4-23	Travis-Carstens	26.4	1.58	2.08	41.5
4-30	G. O. Travis	28.5	1.60	2.20	45.6
5- 7	do	26.4	1.45	2.04	38.3
5-15	do	27.4	1.46	2.11	40.1
5-21	do	28.7	1.49	2.23	42.8
5-28	do	33.3	1.75	2.60	58.2
6- 4	do	36.4	1.69	2.81	61.6
6-11	do	.....	.....	.....	.0
6-18	do	18.5	1.55	2.08	28.6
6-25	do	26.9	1.58	2.41	42.4
6-27	C. H. Carstens	26.1	1.51	2.41	39.2
7- 2	G. O. Travis	25.3	1.54	2.45	39.1
7- 9	do	35.7	1.85	3.10	66.1
7-16	do	44.5	2.02	3.74	89.9
7-23	do	46.1	1.94	3.84	89.4
7-30	do	44.0	2.11	3.88	92.9
8- 6	do	45.1	2.10	3.80	94.7
8-13	do	43.0	2.15	3.71	92.3
8-20	do	35.0	2.01	3.47	70.2
8-20	C. H. Carstens	33.2	1.94	3.36	64.3
8-27	G. O. Travis	38.5	1.81	3.46	69.6

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 4—Concluded					
9- 3	G. O. Travis	33.6	1.82	3.32	61.1
9-10	do	26.6	1.58	3.02	42.2
9-17	do	27.7	1.38	2.98	38.1
9-24	do	26.7	1.31	2.94	34.9

MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM CANAL NO. 1 Returned to Middle Loup River via Spring Creek Measurements Made at Rating Flume—Sec. 27-18-17 W.					
10-13	G. O. Travis	10.9	0.22	2.29	2.4
4- 9	do	3.1	1.68	.65	5.2
4-16	do	2.4	1.04	.48	2.5
4-23	Travis-Carstens	2.4	.81	.46	1.9
4-30	G. O. Travis	3.1	1.66	.64	5.1
5- 7	do	1.9	.92	.38	1.8
5-14	do	1.9	.87	.37	1.7
5-21	do	2.6	1.37	.54	3.6
5-28	do	10.0	.27	2.09	2.7
6- 4	do	10.9	.59	2.30	6.5
6-11	do	.....	.....	.....	.0
6-18	do	9.5	.60	2.02	5.7
6-25	do	8.6	.28	1.84	2.4
6-27	C. H. Carstens	9.2	.52	1.93	4.8
7- 2	G. O. Travis	8.6	.22	1.79	1.9
7-23	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-13	do	10.8	1.07	2.28	11.6
8-20	C. H. Carstens	.....	.....	.....	.0
8-20	G. O. Travis	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-17	do	11.9	.39	2.49	4.6
9-24	do	10.5	.89	2.21	9.4

MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM CANAL NO. 2 Returned to Middle Loup River Measurements Made at Rating Flume—Sec. 11-18-17 W.					
10- 6	G. O. Travis	6.6	2.29	1.16	15.1
10-13	do	6.2	2.02	1.08	12.5
10-27	do	4.6	.89	.80	4.1
4-16	do	2.9	1.03	.66	3.0
4-23	Travis-Carstens	6.0	2.25	1.07	13.6
4-30	G. O. Travis	10.0	1.84	1.75	18.4
5- 7	do	8.0	2.59	1.40	20.7

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM CANAL NO. 2—Concluded					
5-14	G. O. Travis	4.3	1.95	0.73	8.4
5-21	do	4.0	1.85	.73	7.4
5-28	do	2.9	1.31	.54	3.7
6- 4	do	8.6	2.90	1.49	24.9
6-11	do	.....	.....	.....	.0
6-18	do	4.5	1.35	.81	6.0
6-25	do	6.8	1.68	1.16	11.5
6-27	C. H. Carstens	5.2	1.02	.93	5.3
7- 2	G. O. Travis	5.1	1.49	.90	7.6
7- 9	do	2.9	.73	.50	2.1
7-16	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
7-30	do	3.4	1.06	.60	3.6
8- 6	do	4.6	1.68	.79	7.7
8-13	do	1.7	1.10	.32	1.9
8-20	do	1.7	1.00	.30	1.7
8-20	C. H. Carstens	2.2	1.38	.39	3.1
8-27	G. O. Travis	1.7	1.16	.33	2.0
9- 3	do	2.9	1.81	.53	5.2
9-10	do	4.0	2.00	.68	8.0
9-17	do	1.4	1.01	.25	1.4
9-24	do	3.4	1.98	.61	6.8
9-30	do	3.4	1.97	.61	6.8

**MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT,
SPILL FROM CANAL NO. 3**
Returned to Middle Loup River via Wiggle Creek
Measurements Made at Rating Flume—Sec. 6-14-14 W.

10- 7	G. O. Travis	5.1	1.24	1.14	6.3
10-14	do	5.8	1.17	1.18	6.8
4-16	do	6.8	1.29	1.26	8.9
4-23	Carstens-Travis	3.8	1.02	.97	3.9
4-30	G. O. Travis	5.3	1.30	1.11	6.9
5- 7	do	2.2	.28	.70	.6
5-14	do	2.5	.28	.73	.7
5-21	do	2.5	.49	.81	1.2
5-28	do	2.9	1.15	.92	3.4
6- 4	do	3.7	1.48	1.04	5.4
6-11	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
6-27	C. H. Carstens	.....	.....	.....	.0
7- 2	G. O. Travis	2.9	1.40	.97	4.0
7- 9	do	.....	.....	.....	.0
7-16	do	3.6	1.62	1.09	5.8
7-23	do	.....	.....	.....	.0
7-30	do	4.2	1.56	1.17	6.5

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM CANAL NO. 3—Concluded					
8- 6	G. O. Travis	5.1	1.92	1.35	9.7
8-13	do	7.4	1.95	1.62	14.4
8-20	do	.....	.....	.....	.0
8-21	C. H. Carstens	.....	.....	.....	.0
8-27	G. O. Travis	2.5	1.10	1.09	2.8
9- 3	do	5.6	1.79	1.53	10.1
9-10	do	4.9	1.45	1.39	7.2
9-17	do	7.9	1.92	1.72	15.2
9-24	do	6.1	1.85	1.50	11.3

**MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT,
SPILL FROM CANAL NO. 4
Returned to Middle Loup River**

Measurements Made at Rating Flume—Sec. 10-14-14 W.

10- 7	G. O. Travis	7.4	0.89	0.99	6.6
10-14	do	7.0	.63	.93	4.1
4-23	Carstens-Travis	6.9	1.31	.89	9.1
4-30	G. O. Travis	6.2	1.19	.80	7.3
5- 7	do	6.9	1.32	.90	9.1
5-14	do	9.2	1.70	1.20	15.7
5-21	do	5.4	.75	.70	4.0
5-28	do	.....	.....	.....	.0
6- 4	do	11.8	1.83	1.56	21.7
6-18	do	6.2	1.00	.83	6.2
6-25	do	8.5	1.18	1.11	10.0
6-27	C. H. Carstens	5.8	.63	.71	3.6
7- 2	G. O. Travis	3.1	.17	.36	.5
7- 9	do	.....	.....	.....	.0
7-16	do	6.2	.53	.82	3.3
7-23	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8- 6	do	10.0	1.20	1.29	12.1
8-13	do	8.5	.99	1.10	8.4
8-21	C. H. Carstens	5.2	.27	.67	1.4
8-27	G. O. Travis	15.0	1.82	1.95	27.3
9- 3	do	13.1	1.39	1.66	18.3
9-10	do	.....	.....	.....	.0
9-17	do	11.6	1.22	1.49	14.2
9-24	do	10.0	.96	1.31	9.6

**MIDLAND-OVERLAND CANAL—D-789, D-791, D-800R
Diverted from North Platte River—Sec. 2-16-44 W.**

Measurements Made at Rating Flume

10-11	Fred Hervert	10.2	1.54	1.68	15.7
10-26	do	10.9	1.60	1.78	17.4

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MIDLAND-OVERLAND CANAL—Concluded					
1-29	Fred Hervert	.....	.....	.....	0.0
2-16	do	.....	.....	.....	.0
3-16	do	.....	.....	.90	.4
5-10	do	.....	.....	.....	.0
5-22	do	7.4	.85	1.14	6.3
6-19	do	3.0	.33	.60	1.0
9-10	do	.....	.....	.....	.0
9-30	do	13.6	1.04	2.10	14.2
MINATARE CANAL—D-919					
Diverted from North Platte River—Sec. 32-22-54 W.					
Measurements Made at Rating Flume					
10- 4	H. P. Eisenhuth	.....	.....	.....	0.0
5-14	do	32.6	1.51	0.72	49.3
5-21	do	35.5	1.88	.85	66.9
6- 5	do	59.6	1.70	1.28	100.4
6-19	do	49.4	1.53	1.08	75.7
6-27	do	57.2	1.48	1.25	83.9
7- 3	do	59.0	1.37	1.28	80.9
7-17	do	53.6	1.83	1.26	98.2
8- 1	do	55.0	1.90	1.30	104.4
8-14	do	42.4	1.67	.92	71.1
8-27	do	55.3	1.58	1.17	87.6
9-11	do	31.6	1.58	.65	54.7
9-25	do	28.2	1.49	.56	42.1
MINATARE CANAL, NORTH BRANCH—D-919					
Diverted from North Platte River—Sec. 32-22-54 W.					
Measurements Made at SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-22-54 W.					
9-11	H. P. Eisenhuth	17.5	0.94	.....	16.5
MINATARE CANAL, NORTH BRANCH—D-919					
Diverted from North Platte River—Sec. 32-22-54 W.					
Measurements Made at NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-22-54 W.					
9-11	H. P. Eisenhuth	20.9	0.78	.....	16.4
MINATARE CANAL SPILL					
Near McGrew—Sec. 21-21-53 W.					
10- 4	H. P. Eisenhuth	.....	.....	.....	0.0
5- 1	do	0.5	0.40	0.06	.2
5-14	do	5.5	1.24	.44	6.8
5-21	do	.....	.....	.....	.1
6- 4	do	.....	.....	.....	.1
6-19	do	1.6	1.25	.24	2.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MINATARE CANAL SPILL—Concluded					
6-27	H. P. Eisenhuth	1.0	0.80	0.21	0.8
7- 2	do	.....	.....	.....	.2
7-17	do	.....	.....	.....	.1
8- 6	do	2.0	3.70	.49	7.4
8-13	do	1.6	2.75	.38	4.4
8-27	do	3.1	5.59	.78	19.0
9- 4	do	4.2	6.67	.95	28.0
9-25	do	4.6	7.46	1.00	34.3

MITCHELL CANAL
 Diverted from North Platte River—Sec. 10-23-60 W., Wyoming
 Measurements Made at Rating Flume

10- 5	H. P. Eisenhuth	79.8	2.28	1.88	182.0
10-27	do	.....	.....	.....	.0
11-17	do	59.6	2.03	1.32	121.0
5- 7	John A. Whiting, Jr.	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
5-16	do	.....	.....	1.36	110.6
5-17	H. P. Eisenhuth	46.5	2.05	1.22	95.4
5-19	John A. Whiting, Jr.	.....	.....	1.99	159.1
5-20	do	.....	.....	2.11	173.0
5-24	H. P. Eisenhuth	84.0	2.17	2.12	182.0
5-28	John A. Whiting, Jr.	.....	.....	2.29	187.0
5-29	do	.....	.....	1.52	118.0
5-31	do	.....	.....	1.49	114.0
5-31	A. W. Hall	56.8	2.17	1.50	123.0
6- 7	H. P. Eisenhuth	90.4	2.21	2.32	200.0
6-18	John A. Whiting, Jr.	.....	.....	2.35	192.0
6-21	H. P. Eisenhuth	92.0	2.15	2.35	198.0
6-22	John A. Whiting, Jr.	.....	.....	2.35	195.0
7- 4	H. P. Eisenhuth	7.1	.87	-.02	6.2
7- 9	John A. Whiting, Jr.	.....	.....	2.31	193.3
7-19	H. P. Eisenhuth	5.3	.68	-.12	3.6
7-23	John A. Whiting, Jr.	.....	.....	.....	3.7
8- 2	H. P. Eisenhuth	4.5	.70	-.12	3.1
8-15	do	4.4	.55	-.13	2.4
8-30	do	4.1	.46	-.12	1.9
9-12	do	4.7	.43	-.10	2.0
9-26	do	4.6	.41	-.10	1.9

MITCHELL FACTORY CANAL—A-1582
 Diverted from Dry Spotted Tail Creek—Sec. 20-23-56 W.
 Measurements Made at Sec. 21-23-56 W.

10-13	H. P. Eisenhuth	5.7	1.54	.....	8.8
5-23	do	.....	.....	.....	.0
6-13	do	4.2	1.24	.....	5.2

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MITCHELL FACTORY CANAL—Concluded					
6-20	H. P. Eisenhuth	2.7	0.82	.....	2.2
7- 3	do	4.6	1.22	.....	5.6
7-18	do	2.2	.73	.....	1.6
8- 8	do	2.0	.75	.....	1.5
8-21	do	3.4	1.06	.....	3.6
9-19	do	.....	.....	.....	0
MITCHELL FACTORY CANAL, LOWER LATERAL—A-1582 Diverted from Dry Spotted Tail Creek—Sec. 20-23-56 W.					
Measurements Made at Sec. 21-23-56 W.					
7-18	H. P. Eisenhuth	5.4	0.74	.....	4.0
8-21	do	1.1	.45	.....	.5
MITCHELL FACTORY CANAL SPILL Mitchell—Sec. 28-23-56 W.					
10-13	H. P. Eisenhuth	4.6	1.61	.....	7.4
10-26	do	4.9	1.84	.....	9.0
11- 2	do	5.6	1.50	.....	8.1
11-16	do	5.0	1.90	.....	9.5
12- 4	do	4.3	1.35	.....	5.8
12-18	do	.....	.....	.....	.0
1-11	do	.....	.....	.....	.3
2- 2	do	.....	.....	.....	.0
3- 2	do	.....	.....	.....	.1
3-16	do	.....	.....	.....	.1
4- 3	do	.....	.....	.....	.0
4-17	do	.....	.....	.....	.2
5- 2	do	1.2	.58	.....	.7
5-15	do	.....	.....	.....	.1
6- 5	do	.6	.4	.....	.3
6-20	do	.7	.29	.....	.2
7- 3	do	.4	.52	.....	.2
7-18	do	.4	.64	.....	.3
8- 7	do	.3	.48	.....	.1
8-21	do	.....	.....	.....	.1
9- 5	do	.4	.09	.....	.1
9-19	do	.....	.....	.....	.1
MITCHELL CANAL—D-304 Diverted from Lodgepole Creek—Sec. 8-14-51 W.					
Measurements Made 100 Feet below Headgate					
6- 5	K. S. Essex	.....	.....	.....	0.0
7- 5	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MONROE CANAL, BIG—D-506, A-2372					
Diverted from Monroe Creek—Sec. 33-33-56 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.1
5-21	do	0.7	1.57	.....	1.1
6-22	Essex-Rasmussen	1.1	.73	.....	.8
7-13	do	.....	.....	.....	.2
9- 7	do	.2	.40	.....	.1
MONTAGUE CANAL—A-575					
Diverted from Niobrara River—Sec. 27-29-48 W.					
Measurements Made at Headgate					
10-16	K. S. Essex	4.0	0.50	.....	2.0
11- 7	do	3.6	.17	1.05	.6
12-11	do	.....	.....	.....	.0
12-16	do	.....	.....	.....	.0
1-16	do	.....	.....	.....	.0
2- 5	do	.....	.....	.....	.0
2-26	do	.....	.....	.....	.0
3- 2	do	.....	.....	.....	.0
3-20	do	.....	.....	.....	.0
3-23	do	.....	.....	.....	.0
4-25	do	.....	.....	.....	.0
5-16	do	4.5	.40	1.00	1.8
6-20	do	5.0	.20	1.04	1.0
7-16	do	3.6	.44	1.01	1.6
8-13	do	.....	.....	.....	.0
9- 6	do	.....	.....	.....	.0
MONTGOMERY CANAL—D-559					
Diverted from Sow Belly Creek—Sec. 21-33-55 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
MOORE CANAL—A-88					
Diverted from Niobrara River—Sec. 9-28-53 W.					
Measurements Made at Headgate					
11- 7	K. S. Essex	.....	.....	.....	0.0
12-13	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.0
5-16	do	5.7	1.37	.....	7.8
6-20	do	4.4	1.23	1.20	5.4
7-13	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
MORRISON PUMP—A-2045					
Diverted from Wiggle Creek—Sec. 3-15-23 W.					
Measurements Made at Pump Site					
9- 6	C. H. Carstens	.....	.....	.....	0.0
MORTENSEN PUMP—A-3119					
Diverted from Mud (Beaver) Creek—Sec. 34-13-15 W.					
Measurements Made at Pump Site					
8-28	M. S. Dodd	.....	.....	.....	0.0
9- 4	C. H. Carstens	.....	.....	.....	.0
MUTUAL CANAL—D-843					
Diverted from Pumpkinseed Creek—Sec. 33-19-52 W.					
Measurements Made at Rating Flume					
10-24	K. S. Essex	5.1	0.88	.....	4.5
12- 5	do	2.6	1.42	0.75	3.7
3- 4	do	.....	.....	.....	.0
5- 7	do	.....	.....	.....	.0
5-24	do	5.0	.84	.63	4.2
7- 9	do	5.5	.58	.67	3.2
7-19	do	3.1	.94	.45	2.9
8-16	A. W. Hall	.....	.....	.....	.0
9-12	do	3.6	.75	.66	2.7
9-23	Fred Hervert	3.0	1.30	.47	2.3
MYERS CANAL—A-1843					
Diverted from Victoria Creek—Sec. 1-19-21 W.					
Measurements Made at Headgate					
6-26	C. H. Carstens	.....	.....	.....	0.0
8-14	do	19.2	0.21	.....	4.0
9- 7	do	.....	.....	.....	.0
MYERS CANAL—A-1956					
Diverted from Lillian Creek—Sec. 15-19-20 W.					
Measurements Made at Headgate					
9- 7	C. H. Carstens	.....	.....	.....	0.0
NASLUND CANAL—A-661					
Diverted from Lodgepole Creek—Sec. 1-12-45 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
12- 1	do	.....	.....	.....	.0
12-29	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NASLUND CANAL—Concluded					
1-31	K. S. Essex	.....	.....	.....	0.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
NELSON CANAL—D-845					
Diverted from Greenwood Creek—Sec. 33-18-50 W.					
Measurements Made at Headgate					
10-24	K. S. Essex	.....	.....	.....	0.0
12- 6	do	.....	.....	.....	.0
3- 4	do	.....	.....	.....	.0
3-29	do	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0
NELSON PUMP—A-3100					
Diverted from Mud (Beaver) Creek—Sec. 11-14-17 W.					
Measurements Made at Pump Site					
9- 4	C. H. Carstens	.....	.....	.....	0.0
NEUMAN CANALS, NO. 1 AND NO. 2—A-565					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
12- 1	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
NEUMAN CANAL—A-611, A-1445					
Diverted from Lodgepole Creek—Sec. 26-13-45 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	1.3	1.31	.....	1.7
10-27	do	1.4	.57	.....	.8
12- 1	do	.6	.67	.....	.4
1-31	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
6- 7	do	1.9	.95	.....	1.8
7- 4	do	1.5	.87	.....	1.3
8- 7	do	.9	.78	.....	.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
------	--------------	-----------------	---------------	-------------	--------------------

NEWTON CANAL—A-2263, A-2863, A-2927
 Diverted from North Loup River—Sec. 35-23-21 W.
 Measurements Made below Spillway—Sec. 36-23-21 W.

5- 1	C. H. Carstens	.....	.....	.....	0.0
5-31	do	29.8	0.60	.....	18.0
7- 3	do	19.1	1.40	.....	26.7
7-24	do	14.6	1.29	.....	18.8
8-15	do	12.4	1.48	.....	18.3
8-20	do	25.0	1.24	.....	31.1
9- 8	do	11.6	1.57	.....	18.2

NEWTON CANAL—A-2263, A-2863, A-2927
 Diverted from North Loup River—Sec. 35-23-21 W.
 Measurements Made at North Line of Sec. 32-23-20 W.

7-24	C. H. Carstens	13.0	1.42	1.96	18.5
8-15	do	12.4	1.31	1.85	16.2
8-20	do	16.3	1.67	2.44	27.0
9- 8	do	13.1	1.25	1.89	16.1

NIEHUS CANAL—A-550
 Diverted from Lawrence Fork Creek—Sec. 11-18-52 W.
 Measurements Made at Headgate

3- 4	K. S. Essex	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0

NIELSON-COULTER CANAL, NORTH SIDE*
 Diverted from Pumpkinseed Creek—Sec. 30-19-52 W.

Measurements Made at Headgate

7- 9	K. S. Essex	5.4	0.33	.....	1.8
7-19	do	3.3	.18	.....	.6
7-22	A. W. Hall	.....	.....	.....	.0
8-16	do	4.4	.16	.....	.7
9-23	Fred Hervert	.....	.....	.....	.0

*No appropriation of record.

NIELSON-COULTER CANAL, SOUTH SIDE*
 Diverted from Pumpkinseed Creek—Sec. 30-19-52 W.

Measurements Made at Headgate

6-21	Fred Hervert	3.8	0.11	.....	0.4
7- 9	K. S. Essex	.....	.....	.....	.0
7-19	do	.....	.....	.....	.2
7-22	A. W. Hall	.....	.....	.....	.0
8-16	do	4.4	.16	.....	.7
9-23	Fred Hervert	5.4	.17	.....	.9

*No appropriation of record.

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NINE MILE CANAL—D-925					
Diverted from North Platte River—Sec. 13-21-54 W.					
Measurements Made at Rating Flume—Sec. 16-21-53 W.					
10- 4	H. P. Eisenhuth	10.0	4.48	2.04	44.8
10-25	do	.....	.....	1.32	1.5
5- 1	do	1.8	.44	1.22	.8
5-21	do	20.6	1.06	1.71	21.8
6- 1	do	16.1	3.88	2.28	62.4
6-19	do	11.0	4.63	2.10	50.9
6-27	do	.....	.....	.....	1.0
7- 2	do	1.7	.59	.24	1.0
7-17	do	.6	.50	1.20	.3
8- 6	do	.....	.....	.....	.1
8-13	do	2.1	.57	1.23	1.2
8-27	do	.....	.....	.....	.5
9- 4	do	.....	.....	.....	.0
9-18	do	15.3	4.28	2.20	65.4
NINE MILE CANAL—D-925 (O.D. A-1431)					
Diverted from Nine Mile Drain—Sec. 10-21-53 W.					
Measurements Made at Pump Site					
6- 3	A. W. Hall	3.5	2.03	0.90	7.1
NISSEN CANAL—A-606					
Diverted from Sand Creek—Sec. 10-15-40 W.					
Measurements Made at Headgate					
2-21	Fred Hervert	.....	.....	.....	0.0
3-18	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
NORMAN-BARRON CANAL—A-1953, A-2024					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made at Headgate					
12-12	K. S. Essex	.....	.....	.....	0.0
2- 6	do	.....	.....	.....	.0
2-28	do	.....	.....	.....	.0
3-21	do	0.4	0.50	.....	.2
5-15	do	.5	.38	.....	.2
6-19	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT,					
TAYLOR-ORD CANAL—A-2312, A-2417					
Diverted from North Loup River—Sec. 13-21-19 W.					
Measurements Made at Rating Flume—Sec. 20-21-18 W.					
10- 3	C. J. Wilson	43.3	1.70	3.32	73.7
10-10	do	45.8	1.81	3.45	82.8

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, TAYLOR-ORD CANAL—Concluded					
10-16	C. J. Wilson	58.5	2.24	3.82	131.3
10-30	do	55.8	2.06	3.84	115.1
4- 8	G. O. Travis	39.7	1.49	2.89	59.4
4-15	do	47.0	2.05	3.48	96.2
4-22	do	61.3	2.16	4.05	132.4
4-29	do	62.5	2.08	4.04	130.3
5- 6	do	51.5	1.61	3.50	83.0
5-13	do	48.4	1.81	3.51	87.8
5-20	do	47.5	1.75	3.47	83.1
5-27	do	48.2	1.77	3.47	85.7
6- 3	do	61.9	2.04	4.05	126.4
6-10	do	.....	.....	.....	.0
6-17	do	45.4	1.55	3.31	70.3
6-24	do	51.1	1.83	3.60	93.7
7- 1	do	58.6	2.01	3.98	117.6
7- 3	C. H. Carstens	58.2	2.01	3.98	117.0
7- 8	G. O. Travis	59.2	2.19	4.10	129.8
7-15	do	61.7	2.17	4.11	133.7
7-22	do	63.3	1.93	4.17	122.0
7-29	do	65.3	2.20	4.22	144.0
8- 5	do	63.4	2.12	4.09	134.4
8-12	do	63.9	2.13	4.05	136.4
8-19	do	63.9	2.03	4.09	129.5
8-19	C. H. Carstens	64.2	1.97	4.08	126.5
8-26	G. O. Travis	62.7	2.06	4.05	129.5
9- 2	do	58.8	2.17	4.04	127.7
9- 9	do	61.6	2.10	4.05	129.2
9-16	do	61.8	2.08	4.04	128.7
9-23	do	62.3	2.13	4.14	132.5
9-30	do	61.8	1.94	4.14	120.0

NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, BURWELL-SUMPTER CANAL—A-2312					
Diverted from North Loup River—Sec. 14-21-16 W.					
Measurements Made $\frac{1}{4}$ Mile below Headgate					
10- 3	C. J. Wilson	23.4	1.11	3.72	26.0
10-10	do	26.6	1.25	3.90	33.2
10-16	do	32.5	1.50	3.64	48.8
10-30	do	42.0	1.52	4.10	63.6

NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, BURWELL-SUMPTER CANAL—A-2312					
Diverted from North Loup River—Sec. 14-21-16 W.					
Measurements Made at Rating Flume—Sec. 19-21-15 W.					
4- 5	G. O. Travis	36.0	0.77	2.44	27.7
4-11	do	57.3	1.22	3.71	70.1

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT,					
BURWELL-SUMPTER CANAL—Concluded					
4-18	G. O. Travis	55.7	1.23	3.62	68.2
4-24	Travis-Carstens	59.8	1.36	3.84	81.4
5- 2	G. O. Travis	57.7	1.27	3.70	73.4
5- 9	do	50.1	1.07	3.26	53.4
5-16	do	59.2	.84	3.82	49.9
5-23	do	55.5	.77	3.60	42.6
5-30	do	54.0	.69	3.48	37.4
6- 6	do	52.0	.68	3.42	35.1
6-13	do	.....	.....	.....	.0
6-20	do	53.2	.67	3.45	35.5
6-29	do	50.4	.64	3.32	32.1
7- 4	do	52.9	.69	3.47	36.6
7- 4	C. H. Carstens	55.6	.67	3.48	37.4
7-11	G. O. Travis	53.0	1.17	3.44	62.0
7-18	do	57.5	1.22	3.69	70.0
7-25	do	54.8	1.39	3.51	76.1
8- 1	do	49.0	1.24	3.24	61.0
8- 8	do	55.4	1.24	3.62	68.9
8-15	do	50.7	1.11	3.34	56.3
8-19	C. H. Carstens	56.3	1.18	3.62	66.6
8-22	G. O. Travis	55.8	1.23	3.65	69.0
8-29	do	56.7	1.13	3.63	64.1
9- 5	do	57.1	1.03	3.55	58.6
9-12	do	58.8	1.02	3.59	60.1
9-19	do	56.7	.97	3.49	54.8
9-26	do	59.1	.93	3.61	55.1
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT,					
ORD-NORTH LOUP CANAL—A-2312					
Diverted from North Loup River—Sec. 27-19-14 W.					
Measurements Made at Rating Flume—Sec. 36-19-14 W.					
10- 4	C. J. Wilson	15.3	1.01	1.16	15.5
10- 5	do	16.4	1.00	1.23	16.5
10-10	do	22.8	1.10	1.58	25.2
10-17	do	27.1	1.37	1.96	37.0
10-30	do	37.1	1.52	2.56	56.5
4- 5	G. O. Travis	13.4	.96	.98	12.8
4-11	do	19.6	1.11	1.40	21.8
4-18	do	31.4	1.29	2.06	40.5
4-24	Carstens-Travis	39.0	1.48	2.52	57.6
5- 2	G. O. Travis	32.4	1.39	2.20	45.1
5- 9	do	25.0	1.23	1.70	31.0
5-16	do	21.5	1.22	1.52	26.3
5-23	do	20.1	1.17	1.40	23.5
5-30	do	23.8	1.40	1.68	33.3
6- 6	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, ORD-NORTH LOUP CANAL—Concluded					
6-13	G. O. Travis	.....	.....	.....	0.0
6-20	do	20.5	1.32	1.56	27.0
6-29	do	27.7	1.54	2.01	42.7
7- 2	C. H. Carstens	30.4	1.60	2.17	48.6
7- 4	G. O. Travis	29.9	1.54	2.16	46.0
7-11	do	40.9	1.46	2.78	59.7
7-18	do	41.1	1.44	2.77	59.1
7-25	do	41.7	1.59	2.84	66.4
8- 1	do	38.5	1.63	2.69	62.9
8- 8	do	42.3	1.49	2.85	63.1
8-15	do	39.9	1.63	2.79	65.2
8-19	C. H. Carstens	45.8	1.38	3.10	63.2
8-22	G. O. Travis	45.5	1.46	3.05	66.4
8-29	do	45.9	1.46	3.05	66.9
9- 5	do	46.4	1.44	3.15	66.6
9-12	do	46.4	1.45	3.17	67.3
9-19	do	31.6	1.67	2.44	52.8
9-26	do	32.1	1.48	2.44	47.4
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM TAYLOR-ORD CANAL					
Returned to North Loup River via Dane Creek					
Measurements Made below Weir—Sec. 16-19-14 W.					
5-10	C. H. Carstens	10.0	1.23	.....	12.3
7- 2	do	4.5	2.22	1.01	10.0
8-19	do	.....	.....	.....	.0
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM BURWELL-SUMTER CANAL					
Returned to North Loup River via Spring Creek					
Measurements Made below Weir—Sec. 20-19-13 W.					
7- 2	C. H. Carstens	1.9	1.46	0.44	2.7
8-19	do	1.1	1.32	.08	1.5
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM ORD-NORTH LOUP CANAL					
Returned to North Loup River					
Measurements Made below Weir—Sec. 8-17-12 W.					
7- 2	C. H. Carstens	3.7	1.97	0.82	7.3
8-19	do	.2	1.00	.09	.2
NORTH PLATTE CANAL—D-635					
Diverted from North Platte River—Sec. 13-14-34 W.					
Measurements Made at Rating Flume					
10- 8	Fred Hervert	43.0	3.44	1.26	147.7
10-21	do	15.3	1.90	.38	29.1

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NORTH PLATTE CANAL—Concluded					
12-17	Fred Hervert	34.3	3.10	1.02	106.3
1-31	do	.....	.....	.....	.0
2-23	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4- 3	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	1.0
5- 8	do	51.6	3.24	1.58	167.2
5-23	do	49.8	3.21	1.50	159.4
6- 5	do	46.8	3.22	1.38	150.9
6-17	do	30.4	3.08	.84	93.8
6-25	do	29.0	3.11	.78	90.2
7- 2	do	54.7	3.40	1.63	185.8
8- 1	do	53.9	3.47	1.61	187.0
8-13	do	50.8	.84	.49	43.6
8-21	do	52.0	.74	.44	38.3
8-29	do	50.2	3.46	1.49	173.5
9-11	do	45.2	3.48	1.32	157.1
9-19	do	41.2	3.44	1.17	141.4
NORTH PLATTE CANAL SPILL To Scout Creek—Sec. 24-14-31 W.					
10- 7	Fred Hervert	7.9	2.64	1.32	20.9
10-21	do	3.5	1.68	.54	5.9
5- 7	do	1.6	.69	.17	1.1
5-24	do	5.4	2.61	.91	14.1
6- 4	do	4.4	2.48	.73	10.9
6-17	do	2.8	1.93	.47	5.4
6-25	do	.....	.....	.09	.2
7- 9	do	1.7	.71	.22	1.2
8-22	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
NORTH PLATTE CANAL SPILL Cook Spillway—Sec. 26-14-31 W.					
10- 7	Fred Hervert	6.6	1.80	1.10	11.9
10-21	do	3.5	1.40	.71	4.9
5-18	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6- 4	do	.....	.....	.....	.0
6-17	do	3.3	1.21	.76	4.0
6-25	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.1
9-12	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
NORTH PLATTE CANAL SPILL					
North Platte—Sec. 29-14-30 W.					
10- 7	Fred Hervert	10.6	1.89	1.54	20.0
10-21	do	4.4	1.61	1.15	7.1
11 5	do	.....	.....	.....	.0
3-23	do	.....	.....	.....	.0
5-18	do	3.0	1.50	.88	4.5
5-21	do	4.9	1.35	.97	6.6
6- 4	do	.....	.....	.....	.0
6-17	do	4.4	1.91	1.02	8.4
6-25	do	1.2	1.00	.60	1.2
8-30	do	2.3	1.13	.67	2.6
9-12	do	1.6	1.00	.62	1.6
NORTHPORT CANAL—A-768					
Diverted from North Platte River and Pathfinder Reservoir— Sec. 3-23-58 W.					
Measurements Made at Red Willow, Parshall Flume—Sec. 14-21-51 W.					
6-12	H. P. Eisenhuth	82.8	1.82	2.12	150.5
NORTH RIVER CANAL—D-787, A-243, A-801R					
Diverted from North Platte River—Sec. 24-18-47 W.					
Measurements Made at 40-foot Weir					
1 27	Fred Hervert	.....	.....	.....	0.0
2-15	do	.....	.....	.....	.0
3-15	do	.....	.....	.....	.0
3-29	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
OAK MILL RACE—MEYER POWER PLANT—D-991*, A-1467					
Diverted from Little Blue River—Sec. 16-3-5 W.					
Measurements Made 500 Feet below Headgate					
7-19	C. H. Carstens	124.1	0.34	.....	41.7
8- 5	do	14.0	1.52	.....	21.3
8-23	do	11.8	1.70	.....	20.1
9-23	do	31.4	1.28	.....	40.3
*Claim not adjudicated.					
O'DONNELL CANAL—A-432, A-2036					
Diverted from Big Bordeaux Creek—Sec. 9-34-48 W.					
Measurements Made at Headgate					
10-13	K. S. Essex	.....	.....	.....	0.0
12 11	do	1.6	1.25	.....	2.0
5-14	do	.....	.....	.....	.0
6-19	do	1.4	.79	.....	1.1
7-12	do	1.0	.90	.....	.9
9- 8	do	2.0	.40	.....	.8

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
ORCHARD-ALFALFA CANAL—D-627					
Diverted from Platte River and Sutherland Reservoir— Sec. 9-10-24 W.					
Measurements Made at Rating Flume—Sec. 10-10-24 W.					
10- 5	Fred Hervert	22.0	1.06	1.62	23.4
10-17	do	39.7	1.26	2.82	50.1
10-31	do	41.9	1.50	2.96	62.8
12- 9	do	45.8	1.53	3.23	70.3
1-15	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
4- 5	do	.....	.....	.....	.0
4-19	do	16.8	.95	1.26	16.0
4-30	do	30.4	1.20	2.15	36.6
5-26	do	.....	.....	.....	.0
6-14	do	16.2	.54	1.22	8.8
7-14	do	36.0	1.27	2.59	45.9
7-15	do	31.2	1.10	2.24	34.4
7-16	do	27.2	.89	1.92	24.2
7-18	do	25.9	.92	1.84	23.8
7-19	do	33.6	1.06	2.38	36.6
7-21	do	40.6	1.22	2.92	49.6
7-22	do	42.5	1.20	3.05	51.1
7-21	do	57.8	1.56	4.10	90.2
OSHKOSH CANAL—D-797, A-243					
Diverted from North Platte River—Sec. 33-17-44 W.					
Measurements Made at Rating Flume					
10-11	Fred Hervert	13.0	0.49	1.83	6.4
10-24	do	10.4	.45	1.60	4.7
1-27	do	.....	.....	.....	.0
2-16	do	.....	.....	.....	.0
3-16	do	.....	.....	.....	.0
3-29	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0
OTTER CREEK CANAL—D-1032, A-1, A-1198, A-1240					
Diverted from Otter Creek—Sec. 5-15-40 W.					
Measurements Made at Headgate					
10-12	Fred Hervert	4.8	0.46	1.15	2.2
2-21	do	.....	.....	.....	.0
3-18	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6-26	do	9.1	2.19	2.54	19.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
OWASCO CANAL—D-347, A-725					
Diverted from Lodgepole Creek—Sec. 29-15-55 W.					
Measurements Made at Rating Flume					
10- 4	Essex-Hanna	2.2	1.59	0.34	3.5
10-26	K. S. Essex	2.2	1.50	.32	3.3
11-28	do	.....	.....	.....	.0
12-28	do	.....	.....	.....	.0
2- 1	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
3- 6	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5- 9	do	2.0	1.40	.28	2.8
6- 5	do	.....	.....	.....	.0
7- 6	do	1.7	1.00	.15	1.7
8- 6	Essex-Hanna	3.8	1.13	.28	4.3
8-29	do	1.8	1.44	.24	2.6
OWASCO CANAL (BAY STATE LATERAL)—D-347R					
Diverted from Lodgepole Creek—Sec. 29-15-55 W.					
Measurements Made out of Owasco Canal					
10- 4	Essex-Hanna	1.0	1.30	0.32	1.3
11-28	K. S. Essex	.....	.....	.....	.0
6- 5	Essex-Hanna	.....	.....	.....	.0
7- 6	do	.7	1.00	.20	.7
8- 6	do	1.0	1.20	.35	1.2
8-29	do	1.1	1.27	.35	1.4
OX YOKE CANAL—D-447					
Diverted from Ash Creek—Sec. 29-32-50 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	.....	.....	.....	0.0
11- 8	do	.....	.....	.....	.0
12-12	do	.....	.....	.....	.0
2- 6	do	.....	.....	.....	.0
2-28	do	.....	.....	.....	.0
3-21	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
PAISLEY CANAL—D-800, A-515, A-1738					
Diverted from Blue Creek and Crescent Lake, A-1575— Sec. 28-17-42 W.					
Measurements Made at Rating Flume					
10-22	Fred Hervert	8.2	1.77	1.03	14.5
11- 6	do	8.0	1.82	1.00	14.6

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
PAISLEY CANAL—Concluded					
1-29	Fred Hervert	.....	.....	.....	0.0
2-16	do	.....	.....	.....	.0
3-16	do	.....	.....	.....	.0
4-24	do	5.2	1.88	.64	9.8
5-16	do	7.4	1.86	.89	13.8
6-19	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
PARKS CANAL—A-1202, A-1444, A-1555 Diverted from Republican River—Sec. 20-1-39 W. Measurements Made at Headgate					
10-11	K. S. Essex	.....	.....	.....	0.0
12-22	do	.....	.....	.....	.0
2-23	do	.....	.....	.....	.0
3-14	do	.....	.....	.....	.0
5- 3	do	.....	.....	.....	.0
5-31	do	.....	.....	.....	.0
6-29	do	.....	.....	.....	.0
7-29	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
PATRICK CANAL—D-725 Diverted from Sand Creek—Sec. 10-15-40 W. Measurements Made at Headgate					
2-21	Fred Hervert	.....	.....	.....	0.0
3-18	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
5-28	do	2.5	0.60	.....	1.5
6-19	do	.....	.....	.....	1.0
6-26	do	.6	.50	.....	.3
PAXTON-HERSHEY CANAL—D-653 Diverted from North Platte River—Sec. 18-14-33 W. Measurements Made at Rating Flume					
10- 8	Fred Hervert	37.8	1.73	1.12	65.6
10-21	do	10.8	4.09	.83	44.2
1-31	do	.....	.....	.....	.0
2-23	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4- 3	do	.....	.....	.....	.0
4-22	do	20.8	1.26	.56	26.2
5- 8	do	25.5	1.04	.57	26.6
5-23	do	35.8	1.73	1.00	61.8
6-17	do	32.3	1.19	.77	38.5
8-29	do	.....	.....	.02	.3
9-19	do	.....	.....	.04	.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
PAXTON-HERSHEY CANAL SPILL					
Sec. 14-14-32 W.					
5-15	Fred Hervert	12.0	1.27	0.24	15.3
5-18	do	16.2	1.56	.70	25.3
5-24	do	7.1	.66	.24	4.7
6-17	do	.....	.....	.04	.0
PERSINGER CANAL—D-297					
Diverted from Lodgepole Creek—Sec. 33-14-46 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
11-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	1.8	1.28	.....	2.3
6- 6	do	2.6	.81	.....	2.1
7- 4	do	.....	.....	.....	.5
8- 7	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
PERRY PUMP—A-2620					
Diverted from Mud (Beaver) Creek—Sec. 3-12-15 W.					
Measurements Made at Pump Site					
8-28	M. S. Dodd	.....	.....	.....	0.0
9- 4	C. H. Carstens	.....	.....	.....	.0
PETERS CANAL—D-913					
Diverted from Pumpkinseed Creek—Sec. 2-19-56 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
PHELPS COUNTY CANAL—A-2355					
Diverted from Platte River—Sec. 2-8-21 W.					
Measurements Made at Rating Station					
3-22	Fred Hervert	71.3	1.77	1.54	126.3
4- 8	do	142.0	2.31	3.00	327.7
4-19	do	225.8	2.28	4.87	582.9
5- 4	do	140.4	2.16	2.95	303.7
6-14	do	.....	.....	.05	3.0
PIONEER CANAL, NORTH—D-442a					
Diverted from Niobrara River—Sec. 36-29-51 W.					
Measurements Made at Headgate					
2-28	K. S. Essex	.....	.....	.....	0.0
3-23	do	.....	.....	.....	.0
5-16	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
PIONEER CANAL, SOUTH—D-442b					
Diverted from Niobrara River—Sec. 31-29-50 W.					
Measurements Made at Headgate					
12-13	K. S. Essex	.....	.....	.....	0.5
2-28	do	.....	.....	.....	.0
3-21	do	.....	.....	.....	.0
5-16	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	3.0
POTMESIL CANAL—A-2566					
Diverted from Niobrara River—Sec. 26-29-48 W.					
Measurements Made at Headgate					
10-16	K. S. Essex	4.9	1.06	0.68	5.2
11- 7	do	7.2	.94	.82	6.8
12-13	do	.....	.....	.....	.5
1-16	do	.....	.....	.....	.0
2- 5	do	.....	.....	.....	.0
2-26	do	.....	.....	.....	.0
3- 2	do	.....	.....	.....	.0
3-20	do	.....	.....	.....	.0
3-23	do	.....	.....	.....	.0
5-16	do	7.2	1.10	.92	7.9
6-20	do	6.7	1.13	.87	7.6
7-16	do	.....	.....	.....	.0
8- 9	do	8.6	1.13	1.05	9.7
9- 6	do	8.3	.67	1.04	5.6
PREMIER CANAL—D-340					
Diverted from Lodgepole Creek—Sec. 3-14-58 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
5- 9	do	2.8	1.64	.....	4.6
7- 6	Essex-Hanna	.....	.....	.....	.0
8- 5	K. S. Essex	.....	.....	.....	.0
PRESSEY PUMP NO. 2—A-2841					
Diverted from South Loup River—Sec. 10-14-21 W.					
Measurements Made at Pump Site					
9- 6	C. H. Carstens	.....	.....	.....	0.0
RALTON CANAL—A-847					
Diverted from Lodgepole Creek—Sec. 12-12-45 W.					
Measurements Made at Headgate					
2-15	K. S. Essex	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
RALTON CANAL—A-882					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
12- 1	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
RAMSHORN CANAL—D-918R, D-945					
Diverted from North Platte River—Sec. 18-23-57 W.					
Measurements Made at Rating Flume—Sec. 19-23-57 W.					
10- 5	H. P. Eisenhuth	.....	.....	.....	1.0
5-24	do	6.4	0.52	0.18	3.3
5-31	do	8.0	.49	.23	3.9
6-13	do	13.3	.52	.32	6.9
6-20	do	33.0	.74	.94	24.4
7- 4	do	.....	.....	.02	.1
7-18	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.0
8-21	do	20.2	.22	.20	4.5
8-28	do	4.9	.53	.40	2.6
9-12	do	6.6	.41	.50	2.7
9-26	do	.....	.....	.14	.5
RANDALL CANAL—A-1100					
Diverted from Lawrence Fork Creek—Sec. 21-18-52 W.					
Measurements Made at Headgate					
10-24	K. S. Essex	3.6	1.00	.....	3.6
12- 5	do	.....	.....	.....	.0
3- 4	do	.....	.....	.....	.0
5- 7	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0
RANKIN CANAL—A-2477					
Diverted from Middle Loup River—Sec. 4-21-23 W.					
Measurements Made 1½ Miles below Headgate					
5- 2	C. H. Carstens	.....	.....	.....	0.0
5-30	do	.....	.....	.....	.0
7-23	do	0.7	1.48	.....	1.0
8-15	do	5.4	.90	.....	4.8
9- 8	do	3.3	.73	.....	2.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
RASHER CANAL—D-467, A-456, A-534					
Diverted from White River—Sec. 19-32-51 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	2.7	0.78	.....	2.1
11- 8	do	.....	.....	.....	.1
12-12	do	.....	.....	.....	.0
1-17	do	.....	.....	.....	.0
2-27	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
RIVERSIDE CANAL—D-18, A-1674					
Diverted from Frenchman River—Sec. 33-4-32 W.					
Measurements Made at Headgate					
10-10	K. S. Essex	14.9	1.19	1.92	17.7
10-31	do	.....	.....	.....	.0
11-23	do	12.5	1.16	1.68	14.5
12-20	do	10.9	1.18	1.43	12.9
2-20	do	.....	.....	.....	.0
3-12	do	.....	.....	.....	.0
4- 3	do	.....	.....	.....	.0
5- 2	do	10.8	1.11	1.45	12.0
5-29	do	11.2	1.18	1.52	13.2
6-27	do	.....	.....	.....	.0
7-31	do	14.0	1.27	1.85	17.8
8-23	Essex-Gerlach	14.8	1.11	1.95	16.5
9-21	do	13.8	1.00	1.80	13.8
ROUND HOUSE ROCK CANAL—D-884					
Diverted from Pumpkinseed Creek—Sec. 28-19-51 W.					
Measurements Made at Rating Flume					
3- 4	K. S. Essex	.....	.....	.....	0.0
3-29	do	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
5-24	do	2.8	1.71	1.11	4.8
7-19	do	.....	.....	.....	.0
9-23	Fred Hervert	.....	.....	.....	.0
RUNGE CANAL NO. 1—D-339					
Diverted from Lodgepole Creek—Sec. 20-14-50 W.					
Measurements Made at Headgate					
10- 4	K. S. Essex	.....	.....	.....	0.0
10-26	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
RUNGE CANAL NO. 1—Concluded					
11-29	K. S. Essex	.....	.....	.....	0.0
1-31	do	.....	.....	.....	.0
2-13	do	.....	.....	.....	.0
3- 6	do	.....	.....	.....	.0
4-10	do	1.1	0.81	.....	.9
5- 8	do	1.5	.79	.....	1.2
6- 5	do	1.0	.35	.....	.4
7- 5	do	1.2	.46	.....	.6
8- 6	do	.....	.....	.....	.5
8-29	do	.....	.....	.....	.5
RUTTNER CANAL—A-906					
Diverted from Lodgepole Creek—Sec. 30-14-47 W.					
Measurements Made at Headgate					
11-29	K. S. Essex	.....	.....	.....	0.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
RUTTNER CANAL, NEW—D-350R, A-727, A-857, A-869					
Diverted from Lodgepole Creek—Sec. 36-15-57 W.					
Measurements Made at Headgate					
10- 4	Essex-Hanna	0.8	2.62	0.18	2.1
10-25	K. S. Essex	.8	2.75	.20	2.2
11-27	do	1.2	1.58	.24	1.9
12-28	do	.....	.....	.....	3.0
2- 1	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
4-10	do	2.5	1.12	.....	2.8
5- 9	do	1.6	1.06	.18	1.7
6- 4	Essex-Hanna	2.2	.86	.26	1.9
6- 5	do	1.8	.83	.18	1.5
7- 6	K. S. Essex	.8	1.00	.16	.8
8- 5	Essex-Hanna	.....	.....	.....	.0
8-28	do	.4	1.00	.10	.4
SCHAEFER RESERVOIR SUPPLY CANAL—A-2306					
Diverted from Sow Belly Creek—Sec. 7-32-55 W.					
Measurements Made at Headgate					
5-21	K. S. Essex	1.7	0.71	.....	1.2
SCHILT-MONROE CANAL—D-509					
Diverted from Big Monroe Creek—Sec. 27-33-56 W.					
Measurements Made at Headgate					
9- 7	Essex-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SCOTT CANAL—A-711					
Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	.....	.....	.....	0.0
5-25	do	1.8	0.83	.....	1.5
SCRIPTER CANAL—A-2288					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements Made at Headgate					
2-21	Fred Hervert	.....	.....	.....	0.1
3-16	do	.....	.....	.....	.0
4-24	do	3.3	0.94	0.28	3.1
5- 9	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.2
6-19	do	3.0	.50	.30	1.5
9-21	do	1.1	.27	.13	.3
SHEPHERD CANAL—A-1965					
Diverted from Squaw Creek—Sec. 36-34-57 W.					
Measurements Made at Headgate					
5-21	K. S. Essex	.....	.....	.....	0.1
SHERBECK PUMP—A-2884					
Diverted from Mud (Beaver) Creek—Sec. 5-15-18 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
SHERBECK PUMP—A-3090					
Diverted from Mud (Beaver) Creek—Sec. 15-15-18 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
SHERIDAN-WILSON CANAL—D-710					
Diverted from North Platte River—Sec. 20-14-35 W.					
Measurements Made at Rating Flume					
3-31	Fred Hervert	.....	.....	.....	0.0
4-23	do	.....	.....	.....	.0
5- 8	do	4.7	1.21	0.61	5.7
5-23	do	4.6	1.22	.58	5.6
6-18	do	6.2	1.63	.84	10.1
8-21	do	.....	.....	.....	.0
9-11	do	5.3	1.43	.71	7.6

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SHORT LINE CANAL—D-946					
Diverted from North Platte River—Sec. 25-21-53 W.					
Measurements Made at Rating Flume					
10- 3	H. P. Eisenhuth	4.8	1.44	0.23	6.9
10-25	do	4.3	1.44	.25	6.2
11- 1	do	4.1	.54	.11	2.2
11-15	do	.....	.....	.....	.0
12- 1	do	3.4	1.21	.23	4.1
5-14	do	8.8	2.09	.38	18.4
5-21	do	18.9	2.90	.83	54.8
6- 4	do	15.3	2.65	.65	40.5
6-19	do	19.1	3.00	.83	57.2
7- 2	do	4.0	.52	.05	2.1
7-16	do	3.4	.53	.03	1.8
8- 6	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	1.5
9- 4	do	2.8	.57	.....	1.6
9-17	do	9.9	2.06	.37	20.4
SIGNAL BLUFF CANAL—D-807					
Diverted from North Platte River—Sec. 16-16-43 W.					
Measurements Made at Rating Flume					
10-26	Fred Hervert	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.9
SIMONS CANAL—A-2363					
Diverted from Little Cottonwood Creek—Sec. 9-32-51 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	.....	.....	.....	0.0
11- 8	do	.....	.....	.....	.1
12-12	do	1.1	0.54	.....	.6
2- 6	do	.....	.....	.....	.0
2-27	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4-21	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.1
6-18	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
SIX MILE CANAL—D-680					
Diverted from Platte River and Sutherland Reservoir—					
Sec. 11-11-26 W.					
Measurements Made at Rating Flume					
10- 6	Fred Hervert	12.0	1.37	1.51	16.4
10-18	do	21.4	1.46	2.35	34.8

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SIX MILE CANAL—Concluded					
11- 1	Fred Hervert	13.4	1.52	1.68	20.4
11-14	A. W. Hall	14.2	1.39	1.60	19.8
12- 9	Fred Hervert	9.2	1.54	1.16	14.2
2- 2	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
4- 8	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
7-23	do	12.0	.98	1.44	11.8
7-24	do	14.4	1.07	1.75	15.4
7-28	do	14.8	1.02	1.82	15.1
7-31	do	14.4	1.04	1.81	15.0
SKOCHDOPOLE PUMP—A-1871					
Diverted from Mud (Beaver) Creek—Sec. 1-12-15 W.					
Measurements Made at Pump Site					
8-28	M. S. Dodd	.....	.....	.....	0.0
9- 4	C. H. Carstens	.....	.....	.....	0
SLATTERY CANAL—D-543, A-1683					
Diverted from Jim Creek and Caladonia Reservoir, A-1680— Sec. 13-33-57 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
7-13	Essex-Rasmussen	.....	.....	.....	.0
SLATTERY CANAL—A-749, A-2021					
Diverted from Dead Horse Creek—Sec. 32-33-49 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	.....	.....	.....	0.0
SLOTE PUMP—A-2391					
Diverted from Mud (Beaver) Creek—Sec. 33-14-16 W.					
Measurements Made at Pump Site					
9- 4	C. H. Carstens	.....	.....	.....	0.0
SMITH PUMP—A-3029					
Diverted from South Loup River—Sec. 16-15-22 W.					
Measurements Made at Pump Site					
9- 6	C. H. Carstens	.....	.....	.....	0.0
SMITH-WHEELER CANAL—D-842					
Diverted from Pumpkinseed Creek—Sec. 26-19-51 W.					
Measurements Made at Headgate					
3- 4	K. S. Essex	.....	.....	.....	0.0
3-29	do	.....	.....	.....	.0
(Concluded on next page)					

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SMITH-WHEELER CANAL—Concluded					
5- 6	K. S. Essex	0.9	0.78	0.80	0.7
5-24	do	1.1	.82	.77	.9
7- 9	do	1.5	.93	1.10	1.4
7-19	do	.....	.....	.40	.0
8-16	A. W. Hall	.....	.....	.45	.0
SODERQUIST CANAL—A-1237, A-1420					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
12- 1	do	.....	.....	.....	.9
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
SOEHL CANAL, EAST—D-697a, D-699					
Diverted from Lonergan Creek—Sec. 17-15-39 W.					
Measurements Made at Headgate					
6-26	Fred Hervert	.....	.....	.....	2.9
SOEHL CANAL, WEST—D-697b					
Diverted from Lonergan Creek—Sec. 17-15-39 W.					
Measurements Made at Headgate					
6-19	Fred Hervert	5.2	1.13	.....	5.9
6-26	do	.....	.....	.....	4.5
SOLDIER CREEK CANAL					
Diverted from Soldier Creek near Ft. Robinson—Sec. 18-31-52 W.					
Measurements Made at Headgate					
12-12	K. S. Essex	.....	.....	.....	0.0
2-28	do	.....	.....	.....	.0
SORENSEN PUMP—A-1884					
Diverted from Mud (Beaver) Creek—Sec. 21-16-19 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
SOW BELLY, NEW, SUPPLY CANAL—A-2306R					
Diverted from Sow Belly Creek—Sec. 8-32-55 W.					
Measurements Made at Headgate					
6-22	K. S. Essex	1.2	0.58	.....	0.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SOW BELLY, OLD, CANAL—D-533					
Diverted from Sow Belly Creek—Sec. 7-32-55 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	0.4	0.56	.....	0.2
5-21	do	.9	1.00	.....	.9
6-22	Essex-Rasmussen	.3	.59	.....	.2
SPALDING MILL					
Diverted from Cedar River—Sec. 29-20-9 W.					
Measurements Made in Tallyrace					
5- 8	C. H. Carstens	96.3	1.20	.....	116.0
7-11	do	90.9	1.03	.....	94.0
8- 1	do	88.9	.88	.....	78.1
8-31	do	87.2	1.20	.....	104.7
SPOHN CANAL—D-801					
Diverted from North Platte River—Sec. 13-17-45 W.					
Measurements Made at Rating Flume					
1-27	Fred Hervert	.....	.....	.....	0.0
3-16	do	.....	.....	.....	.0
3-29	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0
SPRING BRANCH CANAL—D-862, D-893, A-669					
Diverted from Lawrence Fork Creek—Sec. 11-18-52 W.					
Measurements Made at Headgate					
10-24	K. S. Essex	2.6	1.12	.....	2.9
12- 5	do	2.9	1.31	.....	3.8
3- 4	do	.....	.....	.....	.2
5- 7	do	.....	.....	.....	.2
7-19	do	1.6	1.12	.....	1.8
SPRING CREEK CANAL—D-532					
Diverted from Sow Belly Creek—Sec. 7-32-55 W.					
Measurements Made at Headgate					
5-21	K. S. Essex	.....	.....	.....	0.2
SPRING CREEK CANAL NO. 1—D-473					
Diverted from Spring Creek, Tributary to Little Cottonwood Creek— Sec. 13-32-52 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	.....	.....	.....	0.2
11- 8	do	1.4	0.50	.....	.7
12-12	do	1.0	.80	.....	.8
3-19	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
STUART BROTHERS CANAL, NORTH—A-8					
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.					
Measurements Made below Headgate					
10-14	K. S. Essex	.....	.....	.....	0.0
11- 8	do	.....	.....	.....	.0
12-12	do	.....	.....	.....	.0
2- 6	do	.....	.....	.....	.0
2-27	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
STUART BROTHERS CANAL, SOUTH—A-8					
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	.....	.....	.....	0.0
11- 8	do	.....	.....	.....	.0
12-12	do	.....	.....	.....	.0
2- 6	do	.....	.....	.....	.5
2-27	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
STUART, THOMAS CANAL—(See THOMAS STUART CANAL)					
STUMPH CANAL—D-447R, D-1023½					
Diverted from East Ash Creek—Sec. 31-32-50 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	.....	.....	.....	0.0
11- 8	do	.....	.....	.....	.5
12-12	do	0.9	0.78	.....	.7
2- 6	do	.....	.....	.....	.0
2-28	do	.....	.....	.....	.0
3-21	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-19	do	1.1	.64	.....	.7
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
SUBURBAN CANAL—D-662					
Diverted from North Platte River—Sec. 12-14-33 W.					
Measurements Made at Rating Flume					
10- 7	Fred Hervert	16.9	3.34	1.01	56.5
1-31	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SUBURBAN CANAL—Concluded					
2-23	Fred Hervert	.....	.....	.....	0.0
3-23	do	.....	.....	.11	1.5
4-4	do	.....	.....	.09	1.0
4-22	do	.....	.....	.....	2.0
5-8	do	16.0	.93	.39	14.8
5-24	do	33.6	1.95	.99	65.5
6-17	do	17.1	1.25	.40	21.3
7-2	do	32.7	1.39	.73	45.6
7-18	do	20.6	1.43	.52	29.4
8-10	do	28.2	1.68	.68	47.5
8-22	do	29.8	1.68	.70	50.0
8-30	do	29.1	1.67	.72	48.7
9-12	do	28.1	1.74	.74	49.3
9-19	do	27.6	1.56	.67	43.1

SUBURBAN CANAL—D-662 (O.D. A-2648)

Diverted from Lincoln County Drain No. 1—Sec. 29-14-31 W.

Measurements Made below Headgate

5-7	Fred Hervert	.....	.....	.....	0.0
5-18	do	10.6	1.99	1.75	21.1
5-24	do	10.7	2.18	1.80	23.3
6-4	do	11.2	2.45	1.94	27.5
6-17	do	8.3	1.84	1.41	15.3
6-25	do	11.2	2.38	1.95	26.6
7-2	do	12.0	2.14	2.06	25.7
7-9	do	13.3	2.23	2.35	29.7
7-18	do	13.0	2.12	2.40	27.6
8-10	do	13.4	1.95	2.45	26.2
8-22	do	11.9	1.94	2.05	23.1
8-30	do	11.5	1.71	2.05	19.7
9-12	do	15.5	1.69	.....	26.2
9-19	do	7.9	.84	2.75	6.6

SUBURBAN CANAL—D-662

Diverted from Lincoln County Drain No. 1A—Sec. 25-14-32 W.

Measurements Made below Headgate

7-20	Fred Hervert	.....	.....	.....	12.4
8-10	do	.....	.....	.....	12.6
8-22	do	.....	.....	.....	8.0
8-30	do	.....	.....	.....	9.0
9-12	do	.....	.....	.....	12.8
9-19	do	.....	.....	.....	12.3

SUBURBAN CANAL—D-662

Diverted from Lincoln County Drain—NE $\frac{1}{4}$ Sec. 29-14-31 W.

Measurements Made at Neville Pump

8-10	Fred Hervert	4.7	0.49	2.3
------	--------------	-----	------	-------	-----

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
SUTHERLAND RESERVOIR SUPPLY CANAL—A-2350, A-2352, A-2353, A-2361					
Diverted from North Platte River—Sec. 7-14-37 W.					
Measurements Made at Gaging Station					
11-28	Fred Hervert	248.2	2.12	6.28	526.3
12- 9	Essex-Dodd	404.4	2.64	9.16	1066.0
12-16	Fred Hervert	420.0	2.59	9.49	1090.0
1-11	do	378.0	1.63	8.87	618.0
2-21	do	363.0	1.53	8.54	556.0
2-28	do	432.0	2.31	9.70	999.3
3- 9	do	420.0	2.74	9.50	1152.0
3-18	do	175.0	2.81	10.40	1335.0
3-31	do	444.0	2.80	9.93	1240.0
4- 9	do	426.0	2.70	9.60	1150.0
4-23	do	341.0	2.57	8.10	876.0
5- 9	do	268.0	2.28	6.76	612.0
5-14	do	99.8	1.17	2.90	117.0
6-12	do	328.1	2.45	7.84	804.8
SWEET PUMP					
From Ground Water—SW$\frac{1}{4}$ Sec. 12-19-50 W.					
Measurements Made at Weir					
7- 8	K. S. Essex	1.8	1.11	.....	2.0
7- 8	do	1.3	1.69	.....	2.2
8- 8	do	1.2	1.50	0.52	1.8
THIRTY-MILE CANAL—A-1853, A-1976, A-2077					
Diverted from Platte River and Sutherland Reservoir— Sec. 30-12-36 W.					
Measurements Made at Rating Flume					
10- 6	Fred Hervert	30.8	2.71	1.54	83.4
11- 2	do	92.0	3.56	4.57	327.0
12- 9	do	70.0	3.34	3.49	233.7
2- 2	do	.....	.....	.....	.0
3-23	do	.....	.....	.....	.0
4- 5	do	.....	.....	.....	1.0
4-20	do	61.6	2.88	3.08	177.2
5- 6	do	66.6	3.01	3.33	202.4
5-25	do	.....	.....	.....	.8
6-15	do	38.0	2.37	1.92	90.0
7-19	do	42.5	2.42	2.14	102.9
7-21	do	62.9	2.82	3.16	177.2
7-25	do	67.0	2.92	3.37	195.5
7-31	do	64.9	2.86	3.25	186.0
8- 5	do	61.0	2.86	3.05	174.4
8- 6	do	15.1	1.19	.77	18.4
8- 8	do	23.0	2.02	1.16	46.5
8-12	do	20.0	2.00	1.00	40.0
8-31	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
THIRTY MILE CANAL SPILL, LITTLE SPILLWAY					
Sec. 35-11-25 W.					
11- 1	Fred Hervert	.....	.....	.....	0.0
12- 9	do	5.2	1.63	0.62	8.5
4-21	do	9.0	1.00	.76	9.0
4-30	do	7.8	1.49	.95	11.6
6-15	do	3.2	.50	.15	1.6
THIRTY MILE CANAL SPILL, MIDDLE SPILLWAY					
Sec. 7-10-24 W.					
11- 1	Fred Hervert	.....	.....	.....	0.0
12- 9	do	7.1	2.26	.....	16.0
4-21	do	4.5	1.82	.....	8.2
4-30	do	4.7	1.98	1.34	9.3
6-15	do	8.8	1.72	1.97	15.1
THIRTY MILE CANAL SPILL, HENDERSON SPILLWAY					
Sec. 8-10-24 W.					
11- 1	Fred Hervert	.....	.....	0.20	0.1
12- 9	do	7.9	0.52	.48	4.1
4-21	do	7.7	1.03	.66	7.9
4-30	do	7.9	1.68	.83	13.3
6-15	do	8.9	.91	.69	8.1
THIRTY MILE CANAL SPILL, DARR SPILLWAY					
Sec. 8-9-22 W.					
10- 5	Fred Hervert	.....	.....	.....	0.0
10-31	do	.....	.....	.....	.0
12-11	do	.....	.....	.....	.0
4-19	do	11.4	1.56	1.76	17.8
5- 1	do	5.0	2.08	1.31	10.4
6-14	do	.....	.....	.....	.0
THOMAS CANAL—A-2057					
Diverted from East Ash Creek—Sec. 19-32-50 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	.....	.....	.....	0.5
11- 8	do	.....	.....	.....	.1
12-12	do	.....	.....	.....	.1
2- 6	do	.....	.....	.....	.0
2-28	do	.....	.....	.....	.0
3-21	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
THOMAS CANAL—A-1748					
Diverted from Big Bordeaux Creek—Sec. 34-34-48 W.					
Measurements Made at Headgate					
10-13	K. S. Essex	.....	.....	.....	0.0
12-11	do	.....	.....	.....	.0
2- 5	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
7-12	do	.....	.....	.....	.0
THOMAS STUART CANAL—D-425					
Diverted from Little Cottonwood Creek—Sec. 8-32-52 W.					
Measurements Made at Headgate					
10-14	K. S. Essex	.....	.....	.....	0.0
11- 8	do	.....	.....	.....	.2
12-12	do	.....	.....	.....	.2
2- 6	do	.....	.....	.....	.0
2-27	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
TIERNEY PUMP—A-2271					
Diverted from Ash Creek—Sec. 7-14-20 W.					
Measurements Made $\frac{1}{4}$ Mile below Pump					
9- 6	C. H. Carstens	1.0	1.10	.....	1.1
TOBIN CANAL—D-330					
Diverted from Lodgepole Creek—Sec. 28-14-47 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	2.8	1.36	.....	3.8
11-29	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.8	1.62	.....	1.3
6- 6	do	.....	.....	.....	.1
7- 5	do	1.6	1.31	.....	2.0
8- 7	do	.....	.....	.....	.2
8-30	do	1.1	1.27	.....	1.1
TODD CANAL—A-520					
Diverted from East Ash Creek—Sec. 5-31-50 W.					
Measurements Made at Headgate					
10-11	K. S. Essex	.....	.....	.....	0.0
12-12	do	.....	.....	.....	.0
2-28	do	.....	.....	.....	.0
3-21	do	.....	.....	.....	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TODD CANAL—Concluded					
5-15	K. S. Essex	.....	.....	.....	0.0
6-19	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
TRACY CANAL—A-870					
Diverted from Lodgepole Creek—Sec. 12-14-59 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	.....	.....	.....	.0
2- 1	do	.....	.....	.....	.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
1-10	do	.....	.....	.....	1.2
5- 9	do	0.7	1.14	.....	.8
6- 4	Essex-Hanna	2.1	.52	.....	1.1
7- 6	do	.....	.....	.....	.1
8- 5	do	.1	.40	.....	.04
8-28	do	.3	.50	.....	.2
TRACY PUMP—A-2079					
Diverted from Mud (Beaver) Creek—Sec. 32-15-17 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
TRINNIER CANAL—D-849, A-1551					
Diverted from Greenwood Creek—Sec. 28-18-50 W.					
Measurements Made at Headgate					
10-24	K. S. Essex	1.9	0.71	.....	1.1
12- 6	do	.....	.....	.....	.0
3- 4	do	.....	.....	.....	.0
3-29	do	.....	.....	.....	.0
5- 6	do	.....	.....	.....	.0
5-21	do	3.7	1.78	.....	6.6
7-19	do	4.5	1.64	.....	7.4
TRI-STATE CANAL—D-918, A-660, A-768					
Diverted from North Platte River and Pathfinder Reservoir—					
Sec. 3-23-58 W.					
Measurements Made at Rating Flume—Sec. 18-23-57 W.					
10- 5	H. F. Eisenbuth	208.9	1.67	4.66	348.2
5-10	do	29.8	1.29	2.30	38.6
5-16	do	261.9	2.21	5.68	579.4
5-23	do	299.8	2.46	6.42	738.9
5-31	do	319.7	2.65	6.84	845.6

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRI-STATE CANAL—Concluded					
6- 4	A. W. Hall	381.4	2.55	7.75	972.7
6-13	H. P. Eisenhuth	223.0	2.30	5.42	513.4
6-18	Guy C. Thatcher	.....	.....	6.96	834.0
6-20	H. P. Eisenhuth	362.5	2.61	7.50	946.2
7- 4	do	388.4	2.51	7.59	973.9
7-18	do	291.4	2.06	6.05	599.1
8- 1	do	267.3	2.06	5.74	550.2
8- 8	do	240.7	1.80	5.26	434.2
8- 9	do	238.2	1.71	5.16	406.6
8-15	do	222.2	2.06	5.28	447.7
8-21	do	210.6	1.27	5.20	267.2
8-28	do	206.8	1.44	5.08	296.9
9- 5	do	248.9	1.73	5.75	429.6
9-19	do	219.2	1.76	5.32	386.6

TRI-STATE CANAL, LATERAL NO. 1—D-918, A-660
Diverted from North Platte River and Pathfinder Reservoir—
Sec. 3-23-58 W.

Measurements Made at Lateral Headgate—Sec. 13-23-58 W.

5-16	H. P. Eisenhuth	3.9	0.85	0.93	3.3
5-23	do	4.7	1.45	1.10	6.8
5-31	do	.....	.....	.....	.0
6-13	do	3.4	1.56	.80	5.3
6-20	do	4.3	1.26	1.08	5.4
7- 4	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8- 1	do	4.2	1.19	1.01	5.0
8- 8	do	3.6	1.00	.87	3.6
8- 9	do	3.1	1.00	.74	3.1
8-15	do	3.3	1.03	.73	3.4
8-21	do	2.1	.71	.49	1.5
8-28	do	3.5	.63	.87	2.2
9- 5	do	3.3	.91	.81	3.0
9-19	do	2.6	.88	.68	2.3

TRI-STATE CANAL, LATERAL NO. 2—D-918, A-660
Diverted from North Platte River and Pathfinder Reservoir—
Sec. 3-23-58 W.

Measurements Made at Lateral Headgate—Sec. 18-23-57 W.

5-16	H. P. Eisenhuth	.....	.....	0.81	0.0
5-23	do	6.4	0.78	1.73	5.0
5-31	do	5.9	.86	1.76	5.1
6-13	do	5.0	.92	1.70	4.6
6-20	do	5.6	.88	1.74	4.9
7- 4	do	1.6	.63	1.73	2.9
7-18	do	.....	.....	.....	.0
8- 1	do	7.2	1.01	2.47	7.3

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRI-STATE CANAL—LATERAL NO. 2—Concluded					
8- 8	H. P. Eisenhuth	3.8	0.81	1.59	3.2
8- 9	do	6.1	.92	2.15	5.6
8-15	do	4.5	.80	1.58	3.6
8-21	do	4.8	.83	1.51	4.0
8-28	do	4.8	.83	1.51	4.0
9- 5	do	4.6	.67	1.52	3.1
9-19	do	4.3	.60	1.43	2.6
TRI-STATE CANAL, LATERAL NO. 3—D-918, A-660 Diverted from North Platte River and Pathfinder Reservoir— Sec. 3-23-58 W.					
Measurements Made at Lateral Headgate—Sec. 18-23-57 W.					
5-16	H. P. Eisenhuth	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
5-31	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
6-20	do	3.0	1.43	.....	4.3
7- 4	do	2.0	1.20	.....	2.4
7-18	do	.....	.....	.....	.1
8- 1	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.0
8- 9	do	.....	.....	.....	.0
8-15	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
TRI-STATE CANAL—D-918, A-660 Diverted from Akers Draw—Sec. 12-23-57 W.					
Measurements Made at Intersection with Tri-State Canal					
10-13	H. P. Eisenhuth	21.4	0.64	.....	13.6
5-10	do	6.0	1.55	.....	9.3
5-23	do	10.0	.93	.....	9.3
6-13	do	7.9	1.27	.....	10.0
6-27	do	23.2	.43	.....	9.9
7-11	do	8.4	1.08	.....	9.1
7-26	do	8.7	1.12	.....	9.7
8- 8	do	8.4	1.09	.....	9.2
8-21	do	7.9	1.19	.....	9.4
9- 5	do	8.6	1.05	.....	9.0
9-19	do	8.0	1.07	.....	8.6
TRI-STATE CANAL—D-918, A-660 Diverted from Sheep Creek—Sec. 8-23-57 W.					
Measurements Made at Headgate of Feeder Canal					
10- 5	H. P. Eisenhuth	37.0	1.86	2.35	69.0
5- 7	do	25.9	1.49	1.78	38.6

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRI-STATE CANAL—Concluded					
5-16	H. P. Eisenhuth	25.2	1.73	1.89	43.6
5-23	do	23.9	1.69	1.81	40.4
6-13	do	25.9	1.62	1.89	41.9
6-20	do	24.7	1.56	1.80	38.5
7- 4	do	25.8	1.71	1.88	44.1
7-18	do	33.8	1.82	2.13	61.4
8- 2	do	30.6	1.73	2.14	52.8
8- 8	do	27.2	1.76	2.04	48.0
8-15	do	28.3	1.91	2.08	54.0
8-28	do	31.7	1.68	2.12	53.4
9- 5	do	29.7	1.78	2.11	52.9
9-19	do	32.8	1.63	2.09	53.6
TRI-STATE CANAL—D-918, A-660					
Diverted from Dry Spotted Tail Creek—Sec. 9-23-56 W.					
Measurements Made at North Line of Sec. 9-23-56 W.					
10-13	H. P. Eisenhuth	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
6-20	do	6.0	1.62	1.70	9.7
7- 3	do	6.1	1.44	1.68	8.8
7-18	do	8.2	1.43	1.77	11.7
8- 8	do	7.5	1.69	1.73	12.7
8-15	do	8.2	1.63	1.80	13.4
8-21	do	8.3	1.81	1.83	15.0
9- 5	do	8.8	1.34	1.68	11.8
9-19	do	7.0	1.51	1.48	10.6
TRI-STATE CANAL—D-918, A-660					
Diverted from Wet Spotted Tail Creek—Sec. 10-23-56 W.					
Measurements Made at South Line of Sec. 3-23-56 W.					
10-13	H. P. Eisenhuth	12.6	2.02	1.59	25.4
5-15	do	5.3	1.15	1.03	6.1
5-23	do	3.0	.73	.80	2.2
6-12	do	3.3	1.03	.87	3.4
6-20	do	5.7	.98	1.00	5.6
7- 3	do	3.8	1.32	.94	5.0
7-18	do	3.5	1.26	.92	4.4
8- 8	do	3.9	1.38	1.04	5.4
8-21	do	5.4	1.31	1.18	7.1
8-28	do	5.2	1.04	1.16	5.4
9-12	do	6.4	1.11	1.35	7.1
9-26	do	13.6	.99	1.74	13.4
TRI-STATE CANAL—D-918, A-660					
Diverted from Tub Springs—Sec. 27-23-55 W.					
Measurements Made at Sec. 27-23-55 W.					
5-10	H. P. Eisenhuth	5.7	1.16	0.52	6.6
5-15	do	5.7	1.19	.54	6.8

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRI-STATE CANAL—Concluded					
5-22	H. P. Eisenhuth	7.1	1.49	0.65	10.6
6-12	do	7.0	1.49	.63	10.4
6-20	do	9.0	2.00	.81	18.0
7- 3	do	7.3	1.62	.67	11.8
7-18	do	8.3	2.07	.88	17.2
8- 7	do	8.4	1.96	.86	16.5
8-14	do	8.6	1.99	.90	17.1
8-27	do	8.2	1.81	.85	14.8
9-12	do	7.9	1.81	.85	14.3
9-25	do	7.6	1.66	.75	12.6
TRI-STATE CANAL—D-918, A-660					
Diverted from Alliance Drain—Sec. 18-22-53 W.					
Measurements Made at Sec. 18-22-53 W.					
10-12	H. P. Eisenhuth	11.8	1.09	1.00	12.9
5-15	do	.....	.....	.....	.0
TRI-STATE CANAL LATERAL					
Diverted from Alliance Drain—Sec. 20-22-53 W.					
Measurements Made at Sec. 20-22-53 W.					
5-15	H. P. Eisenhuth	2.3	1.52	0.64	3.5
5-22	do	2.5	1.60	.54	4.0
6- 4	do	2.8	1.64	.69	4.6
6-19	do	2.4	1.67	.58	4.0
7- 2	do	3.6	2.44	.75	8.8
7-17	do	3.2	2.44	.80	7.8
7-30	do	2.3	2.39	.76	5.5
8-14	do	2.3	3.30	.76	7.6
8-22	do	2.4	3.42	.84	8.2
9- 4	do	2.0	2.10	.67	4.2
9-18	do	1.8	1.78	.59	3.2
TRI-STATE CANAL, ROBERTS LATERAL—D-918 (O.D. A-1241)					
Diverted from Dry Spotted Tail Creek—Sec. 16-23-56 W.					
Measurements Made at Headgate					
5-15	H. P. Eisenhuth	3.9	1.51	.....	5.9
5-23	do	5.0	1.60	.....	8.0
6-13	do	3.1	.71	.....	2.2
6-20	do	1.4	.14	.....	.2
7- 3	do	4.1	1.63	.....	6.7
7-18	do	.....	.....	.....	.0
8- 8	do	4.3	1.30	.....	5.6
8-21	do	4.5	1.38	.....	6.2
9- 5	do	1.5	.47	.....	.7
9-19	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TRI-STATE CANAL, TOOHEY SPILLWAY					
To River—Sec. 19-23-56 W.					
10-13	H. P. Eisenhuth	0.6	0.17	.....	0.1
10-26	do	2.6	1.81	.....	4.7
11- 2	do	2.8	1.25	.....	3.5
11-16	do	2.8	1.14	.....	3.2
12- 8	do	2.8	1.28	.....	3.6
1-11	do	3.9	.64	.....	2.5
2- 2	do	12.4	1.36	.....	16.9
3- 2	do	10.6	1.35	.....	14.3
3-16	do	9.7	1.36	.....	13.2
4- 3	do	8.8	1.41	.....	12.4
4-17	do	10.6	1.49	.....	15.8
5- 2	do	13.1	1.01	.....	13.2
5-16	do	.....	.....	.....	.0
6- 7	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.1
7- 4	do	.....	.....	.....	.2
8- 8	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
TRI-STATE CANAL, MITCHELL SPILLWAY					
To River—Sec. 35-23-56 W.					
10-13	H. P. Eisenhuth	.....	.....	.....	0.2
10-26	do	1.3	0.38	-0.10	.5
11- 2	do	.....	.....	.....	.0
11-16	do	.....	.....	.....	.2
12- 4	do	.....	.....	.....	.0
12-18	do	.....	.....	.....	.4
1-11	do	.....	.....	.....	.5
2- 3	do	.....	.....	.....	.0
3- 2	do	7.7	1.10	.18	8.5
3-16	do	6.0	1.00	.13	6.0
4- 3	do	6.0	.87	.09	5.2
4-17	do	5.4	.78	.07	4.2
5- 2	do	4.4	.77	.05	3.4
5-15	do	.....	.....	.....	.1
6- 6	do	39.2	1.95	.93	76.6
6- 7	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7- 3	do	.....	.....	.....	.1
7-18	do	.....	.....	.....	.1
8- 7	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.1
9- 5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
TROYER PUMP—A-1447					
Diverted from Sand Creek—Sec. 10-15-23 W.					
Measurements Made at Pump Site					
9- 6	C. H. Carstens	.....	.....	.....	0.0
UNION CANAL—D-763					
Diverted from Blue Creek and Crescent Lake, A-1575— Sec. 18-16-42 W.					
Measurements Made at Rating Flume					
10-11	Fred Hervert	3.0	0.83	0.94	2.5
11- 6	do	4.4	.27	.95	1.2
1-29	do	.....	.....	.....	.0
2-16	do	.....	.....	.....	.0
3-16	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
5-18	do	9.5	.88	1.04	8.4
5-22	do	10.6	1.15	1.20	12.2
6-19	do	10.5	1.33	1.30	14.0
6-26	do	12.9	1.30	1.51	16.8
8-15	do	13.7	1.18	1.48	16.2
8-20	do	13.7	1.30	1.51	17.8
9-10	do	.....	.....	.....	.0
9-18	do	13.5	1.27	1.52	17.1
URBACH CANAL—D-308, A-723					
Diverted from Lodgepole Creek—Sec. 15-14-51 W.					
Measurements Made at Headgate					
10- 4	K. S. Essex	.....	.....	.....	0.1
10-26	do	.....	.....	.....	.1
11-29	do	.....	.....	.....	.0
1-31	do	.....	.....	.....	.0
2-13	do	.....	.....	.....	.0
3- 6	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5- 8	do	.....	.....	.....	.0
6- 5	do	.....	.....	.....	.0
7- 5	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
VALDEZ CANAL—D-976					
Diverted from Cedar Creek—Sec. 10-32-56 W.					
Measurements Made at Headgate					
6-22	Essex-Rasmussen	.....	.....	.....	0.1
VANSANT-SCOTT PUMP—A-2900					
Diverted from Clear Creek—Sec. 27-17-18 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
WALLACE PUMP—A-3089					
Diverted from South Loup River—Sec. 32-15-21 W.					
Measurements Made at Pump Site					
9- 6	C. H. Carstens	.....	.....	.....	0.0
WARBONNET CANAL—D-548					
Diverted from Warbonnet Creek—Sec. 21-33-56 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	1.8	0.50	.....	0.9
5-21	do	.....	.....	.....	.0
6-22	Essex-Rasmussen	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
WARNEKE CANAL—D-505					
Diverted from Niobrara River—Sec. 27-31-57 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.0
11- 9	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
WEARIN CANAL—A-1864					
Diverted from Lodgepole Creek—Sec. 8-14-58 W.					
Measurements Made at Rating Flume					
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	.....	.....	.....	1.0
2-14	do	.....	.....	.....	.0
3- 5	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
7- 6	Essex-Hanna	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
WEST PUMP—A-2802					
Diverted from Mud (Beaver) Creek—Sec. 23-15-18 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
WESTERN CANAL—A-393, A-1804					
Diverted from South Platte River—Sec. 14-12-43 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	27.8	1.39	0.34	38.6
10-27	do	28.6	1.61	.41	46.0
11-20	do	49.6	1.21	.46	60.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
WESTERN CANAL—Concluded					
12- 2	K. S. Essex	34.2	2.18	0.54	74.6
12-18	do	31.0	1.90	.47	59.0
12-29	do	.....	.....	.....	.0
3- 8	do	.....	.....	.....	.0
3-15	do	.....	.....	.....	.0
3-30	do	22.7	1.58	.33	35.8
4-13	do	30.0	1.73	.42	51.8
4-29	do	48.8	.99	.42	48.2
5-11	do	27.2	1.49	.35	40.6
5-27	do	34.8	1.50	.41	52.1
6- 7	do	82.4	1.80	.86	150.2
6-26	do	25.5	1.28	.30	32.7
7- 4	do	26.0	1.14	.28	29.6
8- 1	do	18.2	1.25	.24	22.7
8- 7	do	18.6	1.13	.24	21.1
8-30	do	17.9	1.20	.25	21.4
WHITE RIVER CANAL—D-477					
Diverted from White River—Sec. 35-32-52 W.					
Measurements Made at Rating Flume					
10-14	K. S. Essex	5.4	1.11	.....	6.0
11- 8	do	5.4	1.20	.....	6.5
12-12	do	.....	.....	.....	.0
1-17	do	.....	.....	.....	.0
2- 6	do	.....	.....	.....	.0
2-27	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-18	do	5.6	1.05	.....	5.9
7-15	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
WICKERSHAM CANAL—A-701, A-2182, A-2204					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
WICKERSHAM RESERVOIR CANAL—A-2203					
Diverted from Boggy Creek and Wickersham Reservoir, A-2182— Sec. 30-33-54 W.					
Measurements Made below Reservoir					
5-21	K. S. Essex	0.9	2.22	.....	2.0
7-13	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
WICKERSHAM SUPPLY CANAL—A-2182					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
WICKERSHAM SUPPLY CANAL—A-701					
Diverted from Boggy Creek—Sec. 30-33-54 W.					
Measurements Made in New Supply Canal					
5-21	K. S. Essex	0.5	0.88	.....	0.4
WIEGAND CANAL—A-563					
Diverted from Lodgepole Creek—Sec. 17-13-45 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.2
12- 1	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	1.1	0.55	.....	.6
5-10	do	.....	.....	.....	.5
7- 4	do	.....	.....	.....	.5
WIEGAND CANAL NO. 2—A-1323					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
12- 1	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	8.0
5-10	do	.....	.....	.....	.0
7- 4	do	0.8	0.75	.....	.6
WIEGAND CANAL NO. 3—A-1322					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements Made at Headgate					
10-27	K. S. Essex	.....	.....	.....	0.0
12- 1	do	.....	.....	.....	.2
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	2.4	1.00	.....	2.4
7- 4	do	.....	.....	.....	.0
WILDS CANAL, NORTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
12- 1	do	.....	.....	.....	.2
2-15	do	.....	.....	.....	.0
3- 7	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
WILDS CANAL, SOUTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements Made at Headgate					
5-10	K. S. Essex	.....	.....	.....	0.1
8- 7	do	.....	.....	.....	.9
WILLIAMS PUMP—A-3015					
Diverted from Mud (Beaver) Creek—Sec. 31-16-18 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
WILLOUGHBY PUMP—A-1896					
Diverted from Mud (Beaver) Creek—Sec. 34-15-17 W.					
Measurements Made at Pump Site					
9- 4	C. H. Carstens	.....	.....	.....	0.0
WILLOW SPRING CANAL—A-650					
Diverted from Willow Creek—Sec. 16-19-56 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	.....	.....	.....	0.0
WILLOW SPRING CANAL—A-651					
Diverted from Willow Creek—Sec. 16-19-56 W.					
Measurements Made at Headgate					
12- 5	K. S. Essex	1.2	1.08	.....	1.3
WILSON PUMP—A-1879					
Diverted from Mud (Beaver) Creek—Sec. 14-14-17 W.					
Measurements Made at Pump Site					
9- 4	C. H. Carstens	.....	.....	.....	0.0
WINTERS CREEK CANAL—D-952					
Diverted from North Platte River—Sec. 17-22-55 W.					
Measurements Made at Rating Flume					
5-15	H. P. Eisenhuth	.....	.....	.....	0.0
5-17	do	13.1	1.37	0.35	17.9
5-22	do	24.3	1.69	.82	41.0
6- 6	do	5.3	.92	.15	4.9
6-19	do	7.7	3.08	.63	23.7
7- 3	do	18.2	1.51	.68	27.4
7-12	do	17.5	1.28	.69	22.4
7-23	do	17.2	1.15	.67	19.8
8- 3	do	21.4	1.39	.74	29.7
8-14	do	19.2	1.30	.48	25.0
8-23	do	21.4	1.41	.64	30.1
8-28	do	19.3	1.19	.46	22.9
9-12	do	16.7	.98	.46	16.4
9-26	do	12.5	.56	.23	7.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WINTERS CREEK LATERAL—D-952					
Diverted from Scottsbluff Drain No. 1—Sec. 25-22-55 W.					
Measurements Made in Lateral below Point of Diversion					
10-12	H. P. Eisenhuth	2.7	1.18	.....	3.2
10-26	do	3.4	.53	.....	1.8
11- 2	do	5.2	.62	.....	2.2
6- 5	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
6-19	do	5.1	.92	.....	4.7
7- 3	do	.....	.....	.....	.5
7-17	do	3.6	.11	.....	.4
8- 7	do	4.8	.38	.....	1.8
8-22	do	5.0	.56	.....	2.8
9- 4	do	.....	.....	.....	.0
9-18	do	6.7	.37	.....	2.5

WINTERS CREEK CANAL—D-952 (O.D. A-1446)

Diverted from Winters Creek—Sec. 19-22-54 W.

Measurements Made at Rating Flume

10- 4	H. P. Eisenhuth	.....	.....	.....	0.0
5-15	do	.....	.....	.....	.0
5-17	do	11.1	2.23	1.43	24.8
5-22	do	22.4	2.00	2.34	44.8
6- 5	do	15.8	2.05	1.60	32.4
6-13	do	.....	.....	.....	.0
6-19	do	20.0	1.73	2.03	34.7
6-27	do	17.9	2.04	1.77	36.5
7-10	do	21.0	1.47	2.13	30.9
7-17	do	19.0	1.53	1.95	29.1
8- 3	do	22.1	1.42	2.24	31.3
8-14	do	19.6	1.84	1.98	36.0
8-27	do	21.0	1.85	2.15	38.8
9-11	do	13.8	1.11	1.48	15.3
9-25	do	22.5	.81	2.41	18.3

WINTERS CREEK LATERAL—D-952 (O.D. A-1446)

Diverted from Winters Creek—Sec. 19-22-54 W.

Measurements Made at Headgate

10- 4	H. P. Eisenhuth	8.7	1.38	0.82	12.0
10-26	do	13.2	1.61	1.27	21.3
11-15	do	12.8	1.66	1.33	21.3
5-17	do	8.2	.55	.45	4.5
5-22	do	13.0	.59	.82	7.7
6- 5	do	13.7	.70	.94	9.6
6-13	do	.....	.....	.....	.0
6-19	do	3.6	2.14	.98	7.7
6-27	do	4.4	2.05	1.14	9.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
WINTERS CREEK LATERAL—Concluded					
7-10	H. P. Eisenhuth	4.0	1.95	1.07	7.8
7-17	do	2.8	1.71	.75	4.8
8- 3	do	4.0	2.62	1.06	10.5
8-14	do	3.2	2.31	.91	7.4
8-27	do	4.8	1.79	1.29	8.6
9-11	do	2.3	2.30	.78	5.3
9-25	do	1.6	1.37	.50	2.2
WINTERS CREEK CANAL—D-952					
Diverted from Minatare Drain—Sec. 27-22-54 W.					
Measurements Made in Drain above Canal					
10- 4	H. P. Eisenhuth	5.9	2.63	.....	15.5
5- 2	do	3.0	1.33	0.29	4.0
5-14	do	2.6	1.15	.23	3.0
5-21	do	2.5	1.52	.55	3.8
6- 5	do	1.9	1.21	.49	2.3
6-19	do	1.6	1.00	.34	1.6
7- 2	do	2.5	1.52	.48	3.8
7-17	do	.6	.50	.20	.3
7-30	do	1.9	1.16	.35	2.2
8-14	do	2.6	1.77	.48	4.6
8-27	do	1.0	1.00	.32	1.0
9-11	do	.....	.....	.....	.1
9-25	do	4.0	1.38	.59	5.5
WINTERS CREEK CANAL SPILL					
To Minatare Drain—Sec. 26-22-54 W.					
10- 4	H. P. Eisenhuth	3.3	2.54	.....	8.4
WOLFE CANAL—D-813					
Diverted from Lodgepole Creek—Sec. 18-13-45 W.					
Measurements Made at Headgate					
10- 6	K. S. Essex	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0
12- 1	do	.....	.....	.....	.0
2-15	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
WOODRUFF CANAL—D-536					
Diverted from Jim Creek—Sec. 14-33-57 W.					
Measurements Made at Headgate					
6-21	Essex-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Concluded
Year Ending September 30, 1940

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
YANDA PUMPS—A-1920					
Diverted from Mud (Beaver) Creek—Secs. 8 & 9-12-14 W.					
Measurements Made at Pump Sites					
8-28	M. S. Dodd	.....	.....	.....	0.0
9- 4	C. H. Carstens	.....	.....	.....	.0
YEOMAN PUMP—A-2059					
Diverted from Mud (Beaver) Creek—Sec. 18-16-19 W.					
Measurements Made at Pump Site					
9- 5	C. H. Carstens	.....	.....	.....	0.0
ZERBST CANAL—A-2003					
Diverted from Little Red Creek—Sec. 34-33-56 W.					
Measurements Made at Headgate					
6-22	Essex-Rasmussen	.....	.....	.....	0.2
ZIMMERMAN CANAL—A-532					
Diverted from Sow Belly Creek—Sec. 34-33-55 W.					
Measurements Made at Headgate					
10-15	K. S. Essex	1.0	1.10	.....	1.1
5-21	do	.....	.....	.....	.5

SEMINOE STORAGE RESERVOIR
Daily Contents in Acre-Feet
Year Ending September 30, 1939

Date	Apr.	May	June	July	Aug.	Sept.
1	6740	95670	247430	225200	93290	19040
2	6740	101640	252130	220680	92970	19300
3	9780	108500	256600	216350	90600	19560
4	13150	115820	260220	212020	87480	19780
5	16670	123270	262570	207750	84760	19980
6	20420	130690	264350	203350	80940	19980
7	24090	138360	265870	198950	76150	20200
8	26770	145280	266960	194390	71880	20680
9	30570	151500	267030	189790	67280	21050
10	33500	157260	267400	185700	62620	21290
11	36140	162810	267100	181180	58240	21910
12	38940	167900	267250	176610	53610	22110
13	41320	173860	266160	172140	48850	22150
14	43610	179470	264710	167590	43470	22650
15	45780	184470	262780	163120	39260	22940
16	48240	189620	260430	158880	34120	23300
17	50780	195150	257870	154070	31240	23600
18	53410	201150	255060	149650	30870	23940
19	55440	207390	252200	146420	30380	24210
20	57520	209940	250450	142070	30380	24400
21	60120	212200	247910	137390	30640	24580
22	62300	214990	245990	132550	30720	24700
23	64540	222580	244070	128220	30810	24870
24	67340	230750	242790	123560	30500	25080
25	70770	238290	241450	119000	30120	25280
26	74610	240440	239830	114650	29640	25390
27	78650	241850	238350	110150	27170	25390
28	82310	242860	236610	106080	24460	25470
29	86150	243260	232730	101940	21780	25660
30	90930	243800	228680	98640	19200	25850
31	.....	244960	.....	95670	19040	.....

Record furnished by the United States Bureau of Reclamation.
Began storage April 3.

PATHFINDER STORAGE RESERVOIR
Daily Contents in Acre-Feet
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.
1	248520	279330	306920	331220	359200	382140	446940	427680	191420	140980	40760	4500
2	249540	280330	308060	334400	359390	382710	451370	424770	185020	137890	37300	2900
3	250340	281340	308990	334570	360210	383950	453440	421790	179960	134760	34220	3230
4	251070	282360	309910	334840	361660	384710	453980	418020	175660	131350	32660	3340
5	252020	283370	310820	335600	362660	384900	454310	414080	171560	127850	31200	3100
6	253040	284380	311900	336460	362940	384990	454960	408180	167310	125120	30900	3270
7	253920	285400	313000	339350	363030	385090	455620	401110	165460	122730	31740	3790
8	254940	286430	314090	339610	363120	387490	456160	391720	164030	120390	31940	3840
9	256110	287460	315180	339790	363570	388260	456710	381190	162340	118190	32380	3610
10	256910	288500	316270	339880	363940	388450	457260	372200	160310	115670	32780	3340
11	257860	289460	317550	341220	364660	388640	458030	362300	158590	113430	32890	3170
12	258820	290420	318820	343800	367870	389410	458800	352590	156230	111180	32950	3220
13	259860	291380	319840	345040	369430	391530	459680	342820	154640	108660	33160	3680
14	260750	292340	320790	346110	369620	393370	458580	333050	152600	104380	33430	3880
15	261780	293220	321390	346650	369710	394830	456930	323020	150870	100030	33480	3960
16	262900	293940	322330	347100	370260	396200	455290	313000	150110	95600	33750	4140
17	263800	294580	323110	347460	370350	397670	453660	302770	151180	91560	33840	4220
18	264850	295470	323980	348000	370440	397970	451910	292420	152150	87280	33220	4320
19	265980	296520	324950	349260	370630	399440	450080	282040	153170	82130	24720	4400
20	267050	297750	325110	351330	370810	402500	448240	275170	153370	77400	21010	4580
21	268190	298980	325460	351420	375830	404580	446400	270090	155510	73890	17310	4780
22	269180	300050	325630	351510	377050	406680	444680	265300	158640	70530	14200	4980
23	270250	300950	326240	351690	377150	409780	442970	255960	161340	67170	10760	5210
24	271320	302020	327370	351780	377240	413280	441150	245570	163230	64130	7910	5440
25	272400	303020	328500	351670	377330	417010	439350	234970	163500	61120	6640	5670
26	273320	303510	329560	351730	377710	420970	437550	227180	161240	58410	5600	5920
27	274480	303950	330350	351930	377900	425190	435750	220900	156280	55810	5390	6340
28	275330	304510	331230	355110	379310	429660	433850	214740	151130	53380	6140	6600
29	276330	305260	332020	356570	.....	433960	432060	208750	147450	51000	6780	6460
30	277330	305920	332900	358020	.....	438400	430280	202800	144750	48140	7160	6170
31	278250	.....	333960	358570	.....	442540	.....	196870	.....	45070	5940	.....

Record furnished by the United States Bureau of Reclamation.

REPORT OF THE STATE ENGINEER

ALCOVA RESERVOIR
Daily Contents in Acre-Feet
Year Ending September 30, 1939

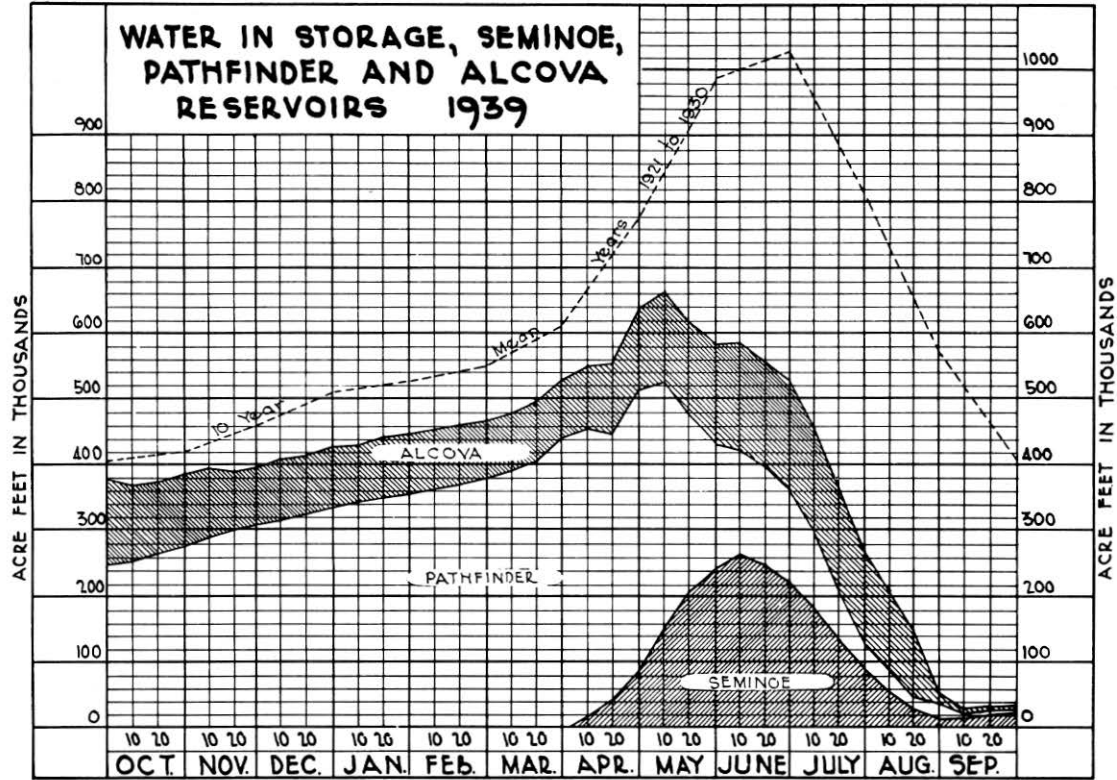
Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	123990	101080	100130	99520	99030	98980	98600	134090	156220	166400	146870	36240
2	121790	101040	100090	99500	99030	98940	98590	136140	157960	166220	144430	30460
3	119730	101030	100050	99480	99020	98910	98590	138050	160280	166180	141910	23300
4	117620	101010	100020	99460	99020	98870	98570	139830	162710	166310	139020	17790
5	115750	100990	99980	99450	99000	98840	98570	141800	164730	166470	135950	11590
6	113830	100950	99950	99430	99000	98820	98550	143290	167060	166790	132680	8450
7	111840	100920	99930	99410	98980	98800	98550	145040	167220	166920	129550	6270
8	110060	100880	99910	99390	98980	98780	98550	147400	167080	167010	128990	4110
9	107650	100850	99910	99370	98960	98750	98550	149920	166950	167080	128770	3660
10	105850	100810	99890	99360	98960	98750	98570	149150	167130	167130	128590	3040
11	104970	100790	99880	99340	98960	98750	98550	149090	167260	167130	128470	2650
12	104030	100760	99860	99320	98960	98770	98530	149050	167330	167080	128410	2500
13	103480	100720	99840	99300	98960	98780	98520	149000	167400	166970	128390	2480
14	102930	100700	99800	99280	98960	98750	99700	148980	167400	166990	127010	2600
15	102620	100670	99790	99280	98960	98730	101730	148960	167400	166970	124960	2670
16	102240	100630	99750	99280	98980	98730	103790	148940	167420	166970	122760	2740
17	101800	100610	99730	99280	99000	98710	105580	148870	167720	166630	120080	2830
18	101580	100580	99700	99280	99000	98710	107650	148900	167950	166430	116870	2880
19	101400	100540	99680	99280	99000	98690	109760	148980	168180	166090	113150	2920
20	101460	100520	99660	99280	99000	98680	111840	148660	168150	165020	108730	2960
21	101460	100490	99640	99270	99020	98680	113940	148530	168250	163770	103770	3000
22	101440	100460	99630	99250	99030	98680	116030	148380	168270	162510	98600	3050
23	101420	100360	99610	99230	99050	98680	118060	148450	168290	161220	92390	3100
24	101400	100320	99590	99210	99050	98680	120170	148510	168270	159900	85990	3140
25	101390	100310	99570	99160	99000	98680	122260	148430	168220	158530	78790	3190
26	101350	100270	99550	99140	98960	98660	124520	148390	168150	157100	71280	3230
27	101260	100230	99840	99120	98980	98660	126240	150550	167580	155430	64940	3250
28	101190	100220	99520	99110	99000	98640	128210	151890	167110	153650	58150	3300
29	101170	100200	99540	99090	.....	98640	130210	152970	166760	151500	52620	3510
30	101130	100160	99540	99070	.....	98620	132240	153970	166430	150120	47200	3970
31	101120	.....	99540	99050	.....	98620	.....	155020	.....	148550	42060	.....

Record furnished by the United States Bureau of Reclamation.

GUERNSEY STORAGE RESERVOIR
Daily Contents in Acre-Feet
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22380	44960	41430	37440	34060	22370	27210	42570	25180	21290	29460	38070
2	22700	44870	41450	37420	33560	22050	27210	42930	27850	21820	29850	39540
3	22970	44900	41490	37320	33320	21710	27470	42890	30880	22500	30270	40720
4	23800	44940	41470	37240	33220	21540	27540	41690	33140	23460	30870	41360
5	25100	44920	41330	37180	33160	21380	27540	39170	33760	24290	30630	41740
6	26770	44940	41310	37100	33060	21200	27550	35620	33590	25190	30870	41740
7	28650	44980	41190	37100	32830	20950	27900	31870	33300	26270	31010	41480
8	30570	44870	41190	37120	32460	20670	28070	27430	32570	27190	31840	40630
9	32570	44740	41150	37120	32130	20460	28430	24000	31770	27380	32720	37940
10	34300	44740	41250	36960	31750	20370	28840	21000	31100	27300	32790	35460
11	36050	44760	41270	36840	31450	20310	29050	20070	30480	27060	31710	33610
12	38140	44760	41130	36720	31150	20390	29330	19950	29990	26170	31150	32830
13	39570	44700	40830	36620	30820	20750	29460	21030	30320	25250	30390	32570
14	40330	44590	40550	36560	30330	21130	29710	22310	30910	24180	29380	32260
15	40950	44250	40630	36310	29890	21290	29850	23130	31690	23290	27710	31950
16	41710	44050	40130	36210	29410	21560	30200	24350	32600	22600	25820	31660
17	42110	43760	39970	35990	28970	21880	30690	25550	35000	22640	24900	31300
18	42650	43830	39890	35870	28580	22820	31190	26400	37880	22570	24300	31500
19	42990	43940	39796	35710	28190	24100	31440	26050	40630	22610	24070	31660
20	43310	44010	39650	35650	27840	25000	31680	25250	41690	22780	24260	31620
21	43850	43900	39430	35490	27240	25520	32070	25050	42420	22840	24530	31510
22	44230	43490	39170	35310	26790	25690	32420	24780	42890	23040	24720	31510
23	44410	43070	39050	35250	26350	26350	33070	24260	43540	23320	25190	31460
24	44680	42670	38970	35030	25940	25890	33950	24000	42640	23770	26080	31420
25	44760	42570	38870	34870	25580	26110	35480	23800	39280	24070	27430	31370
26	44810	42170	38830	34750	25270	26380	37220	23920	34540	24370	29090	31350
27	44850	41990	38410	34630	25000	26650	38960	24000	29050	25060	30620	31370
28	44870	41870	38140	34530	24580	26930	40170	24180	23550	25600	32000	31280
29	44870	41690	37780	34490	.....	27250	41250	24360	21070	26140	33260	31230
30	44870	41550	37660	34410	.....	27160	41990	24560	20970	27010	34620	31150
31	45010	.....	37520	34260	.....	27190	.....	24590	.....	27950	36360	.....

Record furnished by the United States Bureau of Reclamation.



REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
OUTFLOW OF GURNSEY RESERVOIR
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1100	291	291	253	285	387	335	1053	4909	3771	3683	3087
2	1080	302	242	242	335	330	335	1194	4316	3657	3683	3104
3	1080	280	237	232	274	330	274	1464	3510	3676	3645	3104
4	872	221	269	269	242	274	369	2030	3384	3510	3820	3258
5	644	274	221	247	226	258	335	2750	3910	3438	3683	3330
6	464	269	253	264	211	237	398	3294	3733	3438	3683	3294
7	352	221	280	232	307	291	330	3638	3810	3330	3800	3258
8	346	302	296	195	324	313	369	4150	3830	3223	3352	3258
9	302	324	307	200	302	285	341	4379	3810	3330	3316	3223
10	274	291	264	269	298	280	247	4752	3810	3474	3244	2798
11	330	280	280	247	216	296	358	4818	3752	3564	3173	2310
12	318	269	269	264	232	285	352	5024	3771	3910	2878	1640
13	352	269	352	258	280	242	381	4730	3312	4070	2926	1204
14	324	253	364	237	369	341	352	4554	3155	4030	3104	981
15	307	324	318	274	324	318	387	4532	3104	3970	3348	880
16	302	335	291	232	341	313	307	4532	3038	4190	3714	748
17	280	324	285	264	318	335	280	4337	2234	4130	3714	663
18	296	296	253	253	324	307	285	4466	2053	4150	3752	364
19	285	296	269	258	296	285	393	4752	1980	4150	3714	335
20	226	291	313	232	307	258	470	4796	1860	4130	3695	318
21	221	296	330	258	369	330	620	4840	1900	4150	3810	341
22	232	358	341	221	393	352	696	5050	1956	4232	3830	302
23	258	364	285	232	364	341	728	5142	1968	4232	3695	291
24	226	324	253	232	346	346	836	5118	2450	4170	3600	253
25	274	269	296	253	341	318	880	5070	3138	4211	3564	242
26	258	318	190	232	330	285	865	5001	3492	4190	3528	280
27	291	302	346	212	296	237	880	4886	3970	4010	3528	264
28	253	253	307	226	375	302	910	4863	4010	3990	3564	280
29	247	318	341	185	.....	313	965	4840	4090	3990	3582	280
30	247	313	264	190	.....	346	965	4909	3890	3910	3438	247
31	237	.....	274	280	.....	381	.....	4955	.....	3850	3070	.....
Mean	396	294	286	241	308	307	508	4191	3272	3873	3521	1465
Max.	1100	364	364	274	393	387	965	5142	4909	4232	3830	3330
Min.	221	221	190	185	211	237	247	1053	1860	3223	2878	242
A.F.	24350	17510	17620	14820	17110	18870	30230	257690	194670	238170	216470	87150

Total acre-feet 1134660.

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
RECORDER STATION BELOW WHALEN
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	111	*	*	*	*	*	*	53	1630	1160	830	404
2	70	*	*	*	*	*	*	124	1550	1170	830	392
3	72	*	*	*	*	*	*	212	1400	1190	912	325
4	68	*	*	*	*	*	*	407	1380	1090	988	315
5	194	*	*	*	*	*	*	782	1240	1080	905	295
6	150	*	*	*	*	*	*	935	1160	988	898	315
7	126	*	*	*	*	*	*	1100	1210	935	898	364
8	105	*	*	*	*	*	*	1510	1260	950	875	386
9	72	*	*	*	*	*	*	1640	1260	988	852	364
10	72	*	*	*	*	*	*	1700	1230	988	898	380
11	96	*	*	*	*	*	*	1620	1200	942	816	458
12	77	*	*	*	*	*	*	1750	1140	1110	683	634
13	86	*	*	*	*	*	*	1720	1020	882	662	732
14	81	*	*	*	*	*	*	1680	988	852	620	718
15	88	*	*	*	*	*	*	1620	980	958	641	614
16	77	*	*	*	*	*	*	1520	718	1120	697	506
17	64	*	*	*	*	*	*	1470	452	1040	690	374
18	56	*	*	*	*	*	*	1590	206	1040	732	123
19	52	*	*	*	*	*	*	1700	202	1060	732	135
20	32	*	*	*	*	*	*	1710	210	1000	753	90
21	24	*	*	*	*	*	*	1690	141	1040	732	75
22	29	*	*	*	*	*	*	1700	111	1120	760	52
23	63	*	*	*	*	*	*	1660	129	1100	753	44
24	39	*	*	*	*	*	*	1640	566	1070	746	41
25	49	*	*	*	*	*	*	1640	950	1080	746	41
26	56	*	*	*	*	*	*	1640	1040	1040	760	41
27	84	*	*	*	*	*	*	1670	1230	920	760	37
28	53	*	*	*	*	*	*	1640	1190	965	725	37
29	42	*	*	*	*	*	*	1600	1180	988	725	37
30	59	*	*	*	*	*	*	1560	1160	950	590	37
31	41	.....	*	*	.....	*	.....	1580	.....	905	410	.....
Mean	74	98	84	44	118	103	110	1383	938	1023	762	279
Max.	194	*	*	*	*	*	*	1750	1630	1190	988	732
Min.	24	*	*	*	*	*	*	53	111	852	410	37
A.F.	4540	5820	5190	2720	6560	6350	6530	85020	55800	62920	46850	16590

Total acre-feet 304900.

October 21 to May 9 record computed by deducting diversions of Ft. Laramie and Interstate canals from the Guernsey outflow. *No record.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT TORRINGTON, WYOMING
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	363	459	500	428	380	515	515	285	1660	1080	1100	687
2	363	500	513	428	340	515	476	263	1640	1080	1040	661
3	374	513	526	428	645	476	476	252	1560	1100	1040	648
4	374	513	586	128	540	476	463	263	1420	1130	1060	596
5	374	486	513	406	470	460	476	362	1400	1100	1080	596
6	472	486	526	428	460	445	476	645	1280	1060	1040	570
7	624	486	513	450	450	463	502	697	1230	968	1040	596
8	596	486	540	439	440	450	489	1090	1230	920	1060	648
9	568	513	513	439	430	476	463	1240	1270	952	1020	661
10	554	526	500	439	420	476	463	1410	1280	1000	1020	674
11	540	526	500	450	440	502	463	1390	1230	984	1040	700
12	554	526	465	439	460	489	463	1460	1210	936	984	756
13	540	513	450	450	500	476	463	1460	1130	1100	888	856
14	554	486	445	430	580	476	502	1430	1040	968	840	952
15	540	500	445	410	620	489	502	1390	984	904	798	968
16	526	526	446	415	660	489	528	1390	968	1130	812	904
17	540	500	405	420	710	489	489	1260	840	1170	872	812
18	540	554	440	425	580	476	476	1290	674	1110	840	756
19	526	554	480	428	500	450	502	1450	548	1100	856	648
20	486	513	480	440	470	450	417	1540	471	1080	872	635
21	472	500	480	445	460	428	340	1520	438	1040	872	583
22	472	526	480	435	470	439	307	1540	405	1060	872	526
23	459	540	480	425	520	450	318	1600	350	1110	872	460
24	472	540	455	420	550	463	329	1580	340	1150	872	427
25	472	540	430	420	560	476	329	1620	548	1130	856	449
26	486	554	400	430	560	450	307	1640	984	1130	856	449
27	500	554	380	440	560	450	296	1660	1060	1110	872	438
28	486	540	380	445	570	476	307	1670	1170	1020	856	427
29	472	513	400	440	.....	489	296	1640	1170	1040	888	427
30	472	500	410	436	.....	502	274	1600	1100	1060	872	427
31	459	.....	420	428	.....	515	.....	1620	.....	1040	798	.....
Mean	491	516	465	432	512	473	424	1242	1021	1057	929	631
Max.	624	554	526	450	710	515	528	1670	1660	1170	1100	968
Min.	363	459	380	406	340	428	274	252	340	904	798	427
A.F.	30210	30690	28560	26550	28450	29110	25200	75880	60750	64980	57100	37560

Total acre-feet 495000.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT WYOMING-NEBRASKA LINE
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	407	536	594	506	388	620	569	306	1590	1010	1200	760
2	407	561	578	498	360	603	529	306	1580	1030	1130	720
3	400	561	544	506	482	536	514	205	1480	1070	1100	692
4	394	529	529	500	650	544	521	163	1390	1120	1010	656
5	394	514	536	498	520	506	544	236	1360	1050	1050	628
6	448	529	569	468	560	476	529	407	1270	1020	997	603
7	611	536	569	483	530	491	569	611	1110	910	1040	665
8	594	552	586	476	476	514	544	820	1150	870	997	790
9	578	569	569	476	420	529	544	1020	1170	880	931	830
10	544	594	561	468	450	544	529	1110	1200	975	920	860
11	578	594	569	483	500	536	529	1180	1200	953	931	870
12	594	586	506	483	580	561	536	1293	1240	900	1010	770
13	578	586	506	483	630	544	514	1390	1170	1180	1050	800
14	594	569	500	461	620	529	521	1380	1030	1040	1040	870
15	611	578	480	427	640	536	529	1360	986	975	953	890
16	603	611	500	440	700	552	536	1350	1040	1080	931	890
17	611	611	569	470	680	544	498	1280	942	1250	997	800
18	628	646	544	498	660	552	491	1250	860	1230	942	740
19	646	646	514	483	620	529	498	1360	750	1210	975	577
20	637	620	529	498	600	506	468	1480	683	1150	1010	620
21	603	586	536	491	550	491	370	1500	637	1080	1010	561
22	586	578	552	483	530	521	352	1490	586	1110	986	529
23	569	561	552	476	580	536	323	1490	529	1220	997	491
24	586	569	552	468	637	529	334	1470	483	1220	986	476
25	561	578	498	461	640	529	340	1450	603	1220	942	448
26	578	561	420	468	630	529	334	1440	986	1180	964	461
27	594	586	394	491	640	506	318	1450	1020	1160	1030	441
28	578	603	430	491	674	521	318	1520	1170	1100	975	420
29	544	586	440	476	.....	544	318	1500	1130	1140	964	420
30	552	586	460	454	.....	561	306	1470	1010	1200	942	427
31	544	.....	515	476	.....	561	.....	1450	.....	1210	900	.....
Mean	553	577	523	479	570	535	461	1120	1045	1088	997	657
Max.	646	646	594	506	700	620	569	1520	1590	1250	1200	890
Min.	394	514	394	427	360	476	306	163	483	870	900	420
A.F.	34020	34360	32130	29450	31630	32890	27420	68890	62190	66930	61310	39080

Total acre-feet 520300.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT MITCHELL

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	290	816	778	740	658	650	762	276	410	202	350	145
2	300	856	770	740	573	658	755	260	496	199	295	145
3	320	880	755	732	559	672	732	240	454	193	300	148
4	340	856	740	740	643	672	710	205	355	222	252	148
5	392	824	725	718	710	665	718	193	290	222	233	145
6	434	816	748	695	688	650	710	193	256	216	208	140
7	755	800	762	672	672	643	740	236	240	252	248	148
8	880	800	773	680	600	658	755	285	233	208	268	148
9	849	808	800	702	520	718	755	264	212	199	252	153
10	896	824	785	665	560	785	748	212	222	219	233	156
11	912	824	778	680	580	778	755	205	236	199	236	159
12	840	816	748	688	600	762	755	226	300	196	244	156
13	864	792	730	688	600	755	748	320	365	212	272	162
14	832	778	745	672	620	748	748	365	290	285	256	164
15	816	785	755	601	660	725	755	380	236	230	208	167
16	808	808	770	622	710	740	762	285	428	216	187	175
17	800	824	748	658	601	748	732	236	643	386	175	175
18	792	848	718	658	643	748	710	212	629	428	164	172
19	832	880	695	665	688	755	725	202	524	335	159	164
20	864	880	688	655	629	732	732	252	355	330	156	159
21	880	832	695	665	559	710	608	290	355	272	151	156
22	872	808	718	629	573	702	566	305	350	260	145	153
23	864	792	718	643	629	702	517	320	280	295	140	153
24	864	755	732	615	630	695	517	305	252	355	132	156
25	864	778	710	629	638	695	517	268	236	335	132	159
26	872	695	650	629	630	702	517	276	244	340	130	164
27	880	725	517	643	630	718	489	260	256	335	145	172
28	864	748	587	658	665	725	454	276	272	280	148	178
29	840	748	608	672	.....	748	380	305	300	256	145	167
30	848	762	643	688	.....	762	310	264	233	295	148	162
31	816	.....	725	688	.....	755	.....	315	.....	340	151	.....
Mean	751	805	720	672	631	715	656	266	332	268	202	158
Max.	912	880	800	740	710	785	762	380	643	428	350	178
Min.	290	695	517	601	520	643	310	193	212	193	130	140
A.F.	46160	47920	44270	41340	35040	43990	39040	16330	19740	16490	12420	9420
Total acre-feet 372200.												

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT MINATARE

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	534	1140	983	1000	550	928	972	563	531	261	323	204
2	618	1170	939	983	350	950	972	490	496	252	315	230
3	711	1250	939	994	400	961	950	452	547	255	266	231
4	702	1210	917	1000	1050	939	928	413	548	252	264	224
5	741	1180	917	983	1050	917	906	369	461	280	224	206
6	807	1140	928	972	940	873	917	313	392	261	205	204
7	950	1090	950	961	720	851	928	299	354	285	296	205
8	1160	1080	983	983	540	928	950	338	308	292	400	232
9	1226	1090	1000	1080	320	1020	939	271	259	259	384	282
10	1240	1090	1000	1030	380	1120	939	218	250	235	388	289
11	1210	1090	983	994	950	1140	939	175	303	208	370	300
12	1240	1080	961	994	1600	1100	917	200	384	187	375	288
13	1260	1040	895	1000	1120	1080	906	214	472	167	370	273
14	1260	1030	939	994	1020	1040	906	265	513	184	347	270
15	1280	1020	917	950	840	983	906	309	471	204	271	262
16	1280	994	906	939	720	961	906	288	1340	168	232	298
17	1280	994	917	906	850	961	885	229	958	238	192	311
18	1270	972	917	906	1120	961	884	179	895	466	169	294
19	1260	972	906	917	950	961	873	150	803	351	166	301
20	1250	983	895	917	850	950	906	126	736	315	219	279
21	1220	972	906	928	800	939	895	146	697	316	221	273
22	1190	939	928	928	760	939	818	180	612	198	181	267
23	1199	939	961	917	880	950	774	168	552	216	179	266
24	1180	939	950	862	1000	939	730	176	458	240	175	285
25	1180	928	950	851	980	939	702	197	419	277	175	282
26	1150	906	884	873	972	928	682	202	370	284	187	322
27	1150	928	829	895	961	928	682	283	349	286	222	328
28	1150	928	851	928	950	928	654	275	286	274	286	317
29	1140	939	880	939	.....	961	584	274	304	241	251	333
30	1150	939	930	939	.....	983	558	233	300	270	202	349
31	1160	.....	983	939	.....	972	.....	187	.....	330	199	.....
Mean	1101	1032	930	952	822	969	851	264	512	260	260	274
Max.	1280	1250	1000	1080	1120	1140	972	563	1340	466	400	349
Min.	534	906	829	851	320	851	558	126	250	167	166	204
A.F.	67700	61430	57210	58520	45670	59560	50610	16230	30480	15970	15970	16270
Total acre-feet 495600.												

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT BRIDGEPORT

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	832	1450	1370	1416	1150	1130	1150	763	771	316	417	247
2	919	1590	1400	1400	414	1120	1180	699	950	261	420	301
3	984	1730	1420	1380	450	1200	1200	665	903	235	283	235
4	1010	1700	1380	1370	700	1240	1210	602	817	240	218	246
5	971	1670	1340	1280	820	1260	1240	524	762	289	196	261
6	1020	1560	1340	1300	900	1280	1220	408	675	499	158	243
7	1080	1480	1370	1310	950	1320	1210	361	597	612	278	301
8	1340	1460	1400	1310	630	1360	1210	138	533	519	462	348
9	1560	1490	1420	1300	321	1430	1210	513	465	513	533	403
10	1540	1530	1450	1270	450	1430	1220	416	416	437	336	423
11	1540	1540	1420	1210	650	1480	1320	329	424	353	536	454
12	1530	1540	1300	1240	950	1400	1250	320	530	324	526	519
13	1530	1530	1180	1250	1250	1380	1220	342	658	273	533	465
14	1530	1490	1180	1240	1200	1380	1210	381	724	331	511	384
15	1530	1510	1210	1170	1100	1280	1200	380	715	356	433	426
16	1570	1490	1280	1209	974	1250	1220	342	1210	353	332	371
17	1620	1530	1220	1240	780	1240	1170	313	1460	409	306	463
18	1610	1510	1250	1280	750	1240	1110	263	1150	543	323	411
19	1590	1460	1240	1300	900	1210	1100	208	1090	640	295	413
20	1570	1480	1250	1270	1080	1210	1100	154	1110	522	311	465
21	1540	1420	1220	1250	907	1150	1050	142	1150	502	362	455
22	1510	1310	1280	1100	880	1170	971	123	899	480	286	454
23	1480	1250	1246	1100	920	1140	880	118	800	393	244	433
24	1450	1310	1240	1150	1100	1110	844	136	706	242	240	441
25	1430	1320	1280	1210	1080	1130	820	218	598	301	236	463
26	1450	1300	1110	1170	1050	1100	820	251	526	284	294	516
27	1480	1360	1080	1220	1020	1150	820	249	439	206	335	527
28	1490	1310	1120	1286	1040	1180	820	265	396	231	357	537
29	1460	1370	1180	1280	.....	1200	784	253	362	235	346	548
30	1460	1360	1150	1280	.....	1220	772	233	349	250	318	584
31	1460	.....	1320	1300	.....	1200	.....	274	.....	364	282	.....
Mean	1390	1468	1279	1266	872	1215	1284	345	740	371	352	412
Max.	1620	1730	1450	1410	1250	1480	1320	763	1460	640	536	584
Min.	832	1250	1080	1100	321	1100	772	118	349	206	158	243
A.F.	85460	87370	78620	77490	48430	76540	64520	21190	44000	22840	21630	24490
Total acre-feet	652600.											

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT LISCO

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	965	1860	1700	1250	1200	1620	1590	867	690	380	390	270
2	999	1910	1780	1450	450	1640	1530	828	1680	360	443	270
3	1110	2080	1800	1400	520	1660	1500	763	1310	302	390	278
4	1150	2010	1650	1350	750	1600	1460	702	1090	286	262	278
5	1190	1940	1600	1300	900	1580	1400	674	867	294	195	294
6	1210	1840	1590	1280	950	1580	1360	642	880	509	188	310
7	1290	1750	1570	1200	980	1600	1380	553	802	702	209	286
8	1400	1700	1660	1160	850	1620	1360	553	714	654	254	370
9	1730	1700	1660	1280	780	1640	1360	597	654	586	380	421
10	1860	1800	1700	1300	750	1680	1380	608	553	531	421	432
11	1800	1840	1750	1320	690	1720	1550	586	520	443	410	465
12	1750	1860	1680	1280	800	1760	1500	575	690	410	432	476
13	1750	1820	1450	1300	1150	1780	1400	542	789	350	443	454
14	1820	1770	1080	1320	1450	1760	1310	531	841	302	410	421
15	1770	1770	1100	1450	1250	1730	1330	553	897	370	410	380
16	1800	1730	1250	1500	1120	1460	1380	553	948	410	360	380
17	1840	1700	1500	1550	1000	1440	1310	465	1500	380	278	410
18	1840	1700	1760	1600	980	1530	1190	380	1570	400	223	454
19	1800	1700	1780	1700	1100	1570	1210	360	1210	476	254	487
20	1770	1730	1800	1780	1150	1550	1210	246	1110	597	254	454
21	1890	1680	1620	1930	1120	1530	1210	167	1400	465	270	454
22	1860	1570	1450	1800	1080	1550	1210	128	1440	400	302	454
23	1770	1350	1350	1800	1130	1530	1070	108	965	370	294	410
24	1770	1250	1320	1750	1200	1550	982	121	841	320	294	400
25	1840	1300	1250	1750	1250	1550	931	181	678	223	278	421
26	1840	1320	1100	1650	1320	1480	931	330	630	216	286	509
27	1860	1450	1000	1700	1450	1570	914	390	564	278	302	520
28	1840	1550	920	1650	1500	1610	948	270	553	286	340	542
29	1860	1620	980	1650	.....	1570	931	286	422	230	370	553
30	1890	1680	1020	1550	.....	1680	867	278	390	262	340	586
31	1890	.....	1050	1500	.....	1640	.....	310	.....	330	320	.....
Mean	1650	1699	1449	1500	1031	1606	1257	456	907	391	323	415
Max.	1890	2080	1800	1930	1500	1780	1590	867	1680	702	443	586
Min.	965	1250	920	1160	450	1480	867	108	390	216	188	270
A.F.	101500	101100	89100	92230	57260	98740	74750	28060	53970	24040	19840	24670
Total acre-feet	765300.											

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT OSHKOSH

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	806	1700	1850	1350	1400	1400	1760	910	567	335	312	256
2	820	1700	2050	1450	1350	1390	1660	910	1190	335	298	222
3	946	1760	1980	1600	680	1450	1660	874	1190	350	305	216
4	1060	1830	1880	1600	870	1600	1630	791	946	270	284	216
5	1060	1880	1980	1550	980	1750	1580	718	892	270	216	222
6	1020	1930	1860	1450	1000	1800	1420	704	838	328	202	222
7	1210	1860	1880	1400	1010	1800	1490	591	762	444	249	222
8	1280	1800	1880	1450	970	1820	1490	536	651	517	235	305
9	1560	1830	1880	1500	780	1850	1460	498	627	428	249	388
10	1830	1860	1900	1450	680	1900	1510	488	555	380	298	412
11	1930	1880	1900	1450	701	1930	1680	479	536	380	298	452
12	1880	1900	1900	1400	950	1950	1630	526	615	335	320	498
13	1860	1930	1150	1350	1250	1900	1490	517	690	335	335	508
14	1780	1900	980	1350	1500	1850	1440	479	806	277	320	488
15	1730	1900	1000	1450	1350	1800	1490	436	791	235	342	452
16	1766	1950	1200	1400	1350	1700	1510	428	856	256	350	420
17	1780	2000	1480	1350	1300	1750	1440	412	892	342	298	420
18	1800	1980	2000	1400	1350	1730	1350	365	1630	342	256	444
19	1780	1980	2000	1420	1400	1700	1350	328	1350	335	235	488
20	1700	1980	1350	1470	1450	1610	1370	291	1210	420	228	470
21	1730	1880	1320	1550	1350	1580	1350	242	1150	452	216	452
22	1830	1700	1300	1600	1400	1610	1320	202	1460	372	235	452
23	1730	1260	1350	1700	1450	1660	1280	176	1100	350	256	428
24	1730	1200	1280	1750	1550	1630	1170	158	928	312	242	420
25	1800	1280	1280	1800	1600	1660	1130	216	762	277	235	436
26	1830	1400	1180	1850	1550	1580	1100	284	718	216	235	498
27	1760	1510	1100	1800	1500	1700	1190	380	663	235	235	498
28	1700	1620	980	1750	1450	1780	964	291	704	284	263	526
29	1760	1700	1080	1700	.....	1730	892	235	526	249	263	536
30	1760	1750	1200	1700	.....	1830	874	235	380	216	284	546
31	1760	.....	1280	1650	.....	1930	.....	256	.....	256	277	.....
Mean	1580	1762	1531	1538	1220	1722	1389	450	866	327	270	404
Max.	1930	2000	2050	1850	1600	1950	1760	910	1630	517	350	546
Min.	806	1200	980	1350	680	1390	874	158	380	216	202	216
A.F.	97150	104800	94120	94590	67780	105900	82670	27680	51540	20100	16600	24030

Total acre-feet 787000.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT KEYSTONE

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	450	234	237
2	*	*	*	*	*	*	*	*	*	365	234	258
3	*	*	*	*	*	*	*	*	*	307	258	185
4	*	*	*	*	*	*	*	*	*	254	269	164
5	*	*	*	*	*	*	*	*	*	244	262	158
6	*	*	*	*	*	*	*	*	*	254	216	158
7	*	*	*	*	*	*	*	*	*	219	168	216
8	*	*	*	*	*	*	*	*	*	254	300	192
9	*	*	*	*	*	*	*	*	*	248	314	251
10	*	*	*	*	*	*	*	*	*	297	248	286
11	*	*	*	*	*	*	*	*	*	240	237	293
12	*	*	*	*	*	*	*	*	*	240	269	297
13	*	*	*	*	*	*	*	*	*	219	283	322
14	*	*	*	*	*	*	*	*	*	248	120	304
15	*	*	*	*	*	*	*	*	*	223	117	286
16	*	*	*	*	*	*	*	*	*	213	293	304
17	*	*	*	*	*	*	*	*	*	205	304	304
18	*	*	*	*	*	*	*	*	*	314	297	340
19	*	*	*	*	*	*	*	*	*	325	254	322
20	*	*	*	*	*	*	*	*	*	325	244	304
21	*	*	*	*	*	*	*	*	*	297	216	269
22	*	*	*	*	*	*	*	*	*	368	199	311
23	*	*	*	*	*	*	*	*	*	365	181	314
24	*	*	*	*	*	*	*	*	*	354	181	314
25	*	*	*	*	*	*	*	*	*	332	185	311
26	*	*	*	*	*	*	*	*	*	297	227	329
27	*	*	*	*	*	*	*	*	*	262	227	343
28	*	*	*	*	*	*	*	*	*	227	223	350
29	*	*	*	*	*	*	*	*	*	318	223	332
30	*	*	*	*	*	*	*	*	*	314	223	340
31	*	*	*	*	*	314	234	.....
Mean	*	*	*	*	*	*	*	*	*	288	234	280
Max.	*	*	*	*	*	*	*	*	*	450	314	350
Min.	*	*	*	*	*	*	*	*	*	205	117	158
A.F.	*	*	*	*	*	*	*	*	*	17699	14360	16636

Total acre-feet 48695.

*No record.

DEPARTMENT OF ROADS AND IRRIGATION

551

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT SUTHERLAND

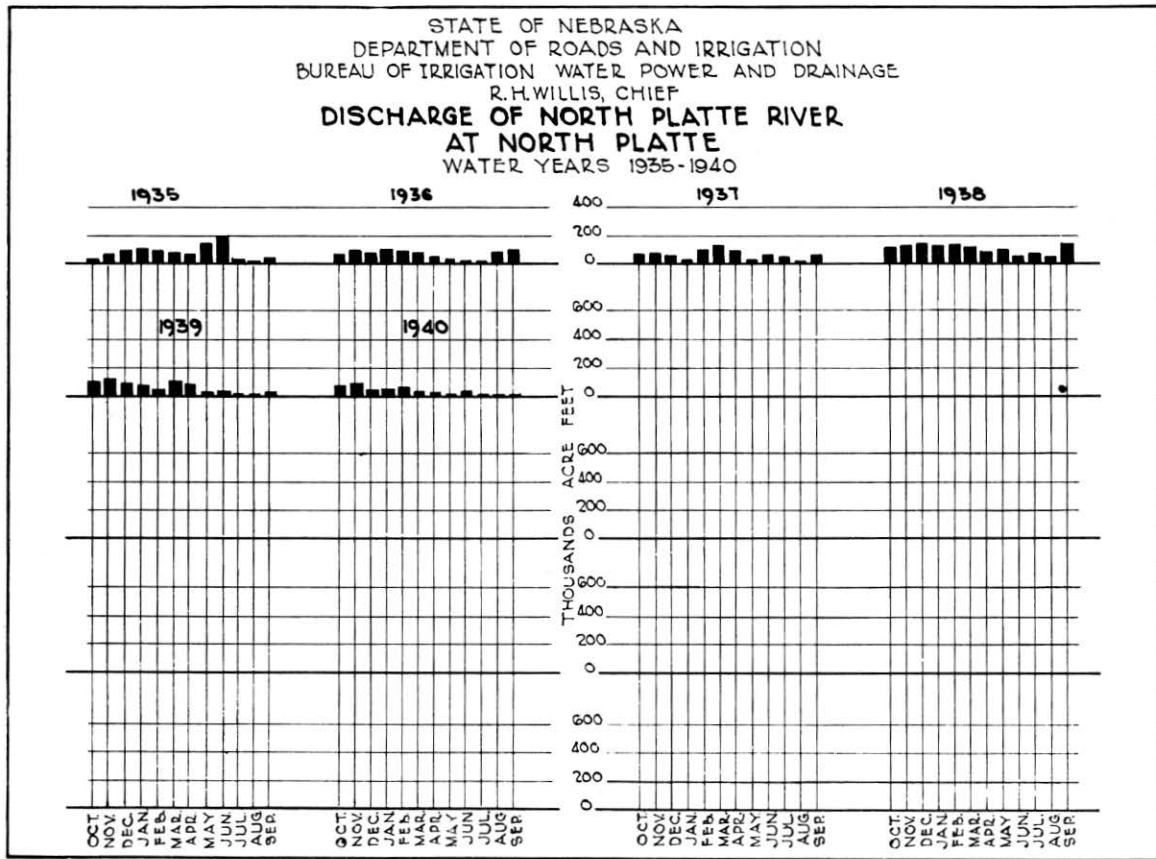
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1120	1580	1650	180	300	950	2800	525	51	540	51	1
2	1090	1780	2270	700	40	1200	2460	495	163	350	13	1
3	987	1780	2200	1000	30	1510	2080	405	152	209	8	1
4	1100	1840	1820	1070	20	1560	1820	420	75	163	17	1
5	1100	2170	1270	1150	20	1640	1720	390	48	268	10	1
6	1160	2260	1600	990	69	1700	1580	198	45	101	6	1
7	1210	2100	1640	920	170	1820	1370	174	282	37	31	1
8	1240	2000	1650	810	650	2020	1140	101	450	18	25	1
9	1320	1980	1410	1000	400	2150	921	54	120	15	21	1
10	1430	2050	1220	1070	400	2210	839	41	140	12	18	1
11	1600	2120	1190	650	300	2590	759	63	350	13	16	2
12	1740	2140	150	620	350	3080	680	174	405	43	10	2
13	1740	2100	50	620	225	2710	954	450	363	37	8	2
14	1300	2010	20	550	340	1990	1230	405	309	29	8	1
15	1800	1990	20	400	480	1500	1280	350	101	24	6	1
16	1800	2060	25	329	650	1390	1370	174	27	21	4	2
17	1840	2010	220	380	675	1100	1390	75	15	186	3	12
18	1970	2080	322	444	775	1040	1210	48	11	244	2	7
19	2040	2100	686	470	800	904	1120	35	20	282	2	6
20	1890	2120	800	500	570	938	1070	220	174	363	2	10
21	1910	2080	670	530	600	1070	1040	140	695	232	2	16
22	1990	1900	650	510	600	1170	970	82	322	60	1	16
23	1950	1500	569	410	630	1160	921	51	120	198	1	18
24	1930	1100	550	340	600	1260	921	29	255	282	1	37
25	1840	1150	750	150	530	1580	839	22	556	163	1	24
26	1840	1300	630	320	650	1680	743	63	556	101	1	134
27	1370	1360	250	390	790	2010	695	648	465	43	1	82
28	1800	1250	390	480	800	2260	648	450	1070	20	1	186
29	1860	1230	50	430	.....	2550	633	108	855	6	1	309
30	1780	1280	20	570	.....	2520	571	48	680	4	1	363
31	1680	.....	70	590	.....	2620	.....	37	.....	9	1	.....
Mean	1594	1814	798	599	445	1738	1192	209	296	131	9	41
Max.	2040	2260	2270	1150	800	3080	2800	648	1070	540	51	363
Min.	987	1100	20	150	20	950	571	22	11	4	1	1
A.F.	98040	107900	49080	36820	24700	106900	70960	12840	17600	8080	541	2460
Total acre-feet	535900.											

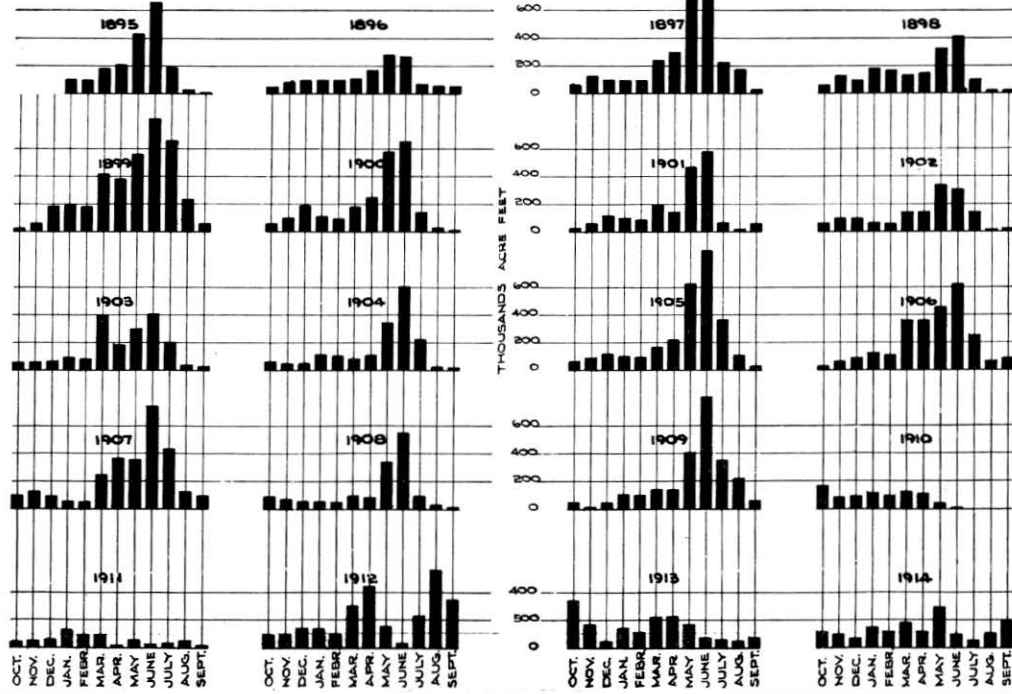
DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT NORTH PLATTE

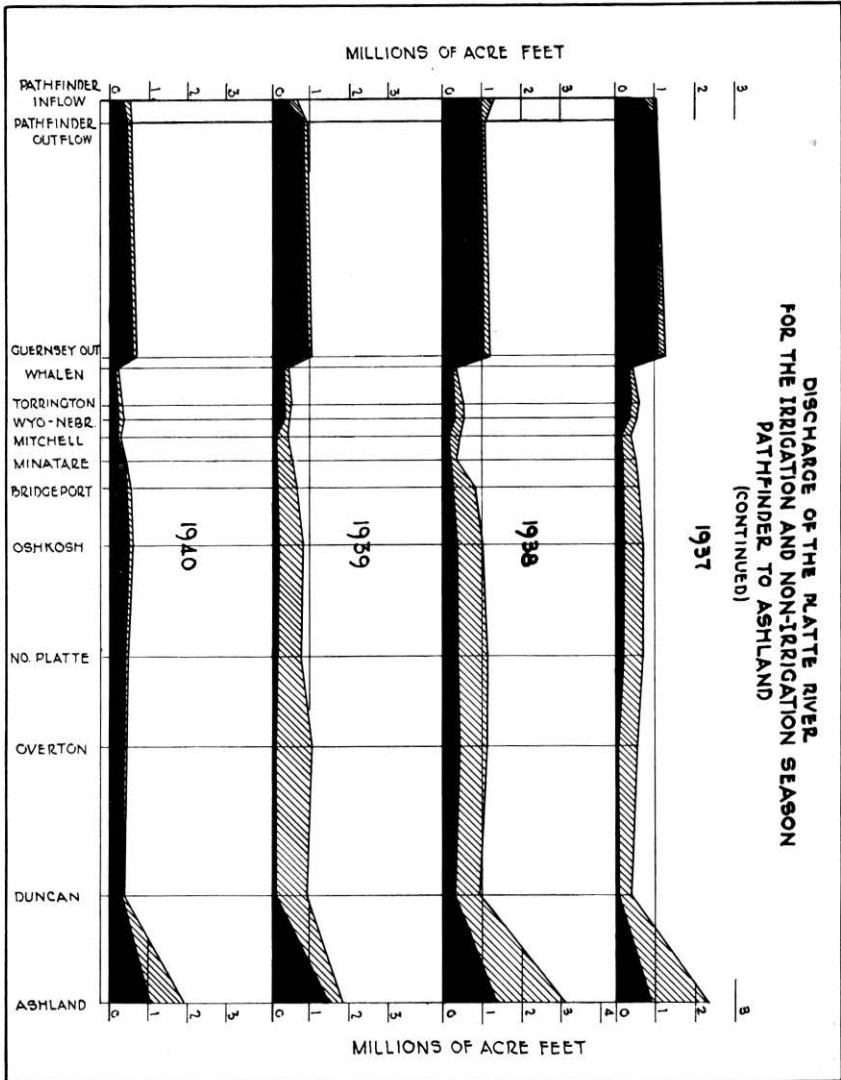
Year Ending September 30, 1939

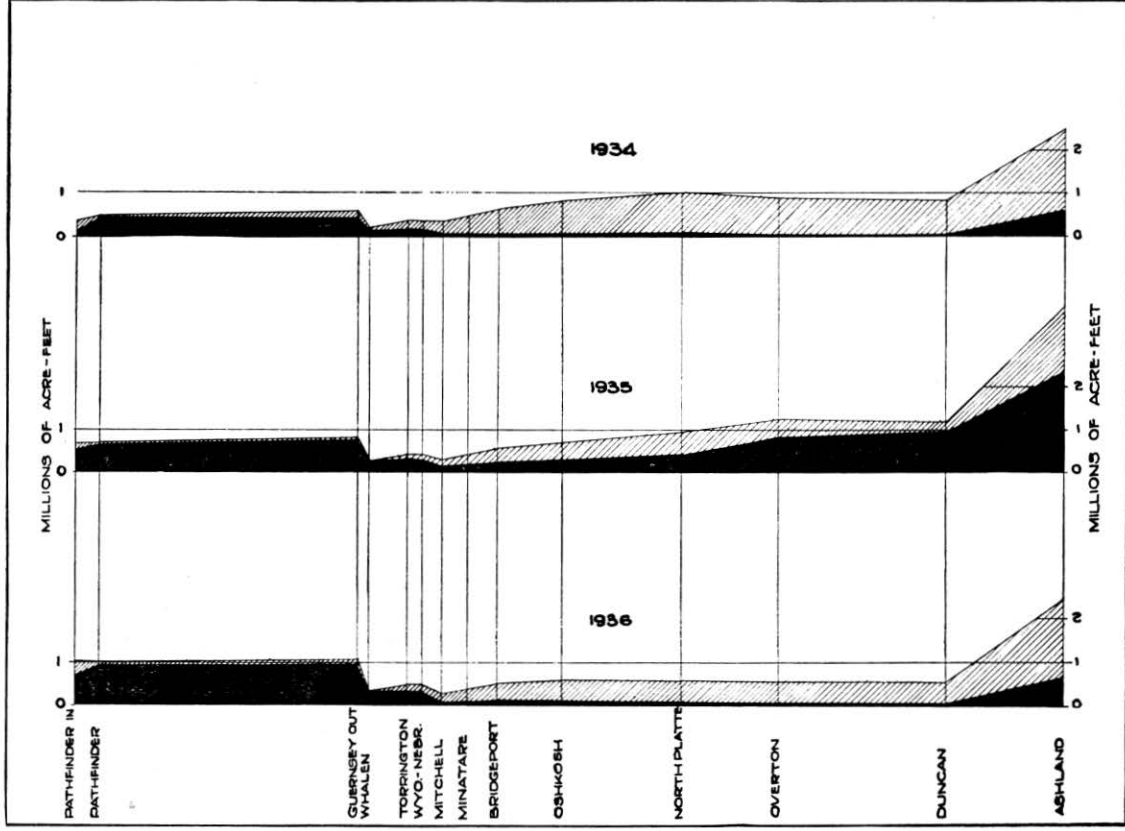
Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1100	1960	1630	1360	1200	1300	2850	748	118	664	65	58
2	1060	1990	2190	1270	1040	1480	3040	731	292	536	80	65
3	983	1940	2220	1490	869	1550	2600	714	331	475	65	88
4	1000	2060	2060	2090	964	1610	2320	664	240	536	58	72
5	1120	2300	1890	2600	926	1700	2170	616	148	520	58	58
6	1120	2550	1610	2690	926	1780	1920	584	118	490	72	50
7	1230	2460	1680	3110	907	1900	1560	475	118	331	102	72
8	1190	2350	1720	2600	880	2040	1320	460	331	279	206	72
9	1250	2270	1630	2460	860	2150	1250	415	400	171	171	102
10	1430	2120	1490	2060	820	2270	1140	370	344	110	143	118
11	1580	2090	1560	1940	780	2600	1120	344	370	88	118	125
12	1820	2220	1290	1580	760	3470	1040	370	552	118	118	102
13	1990	2220	1000	1230	780	3550	1040	445	632	160	102	80
14	1960	2190	550	1100	790	2600	1630	505	632	160	95	80
15	1720	2190	453	720	850	1650	1993	505	505	160	95	88
16	2090	2220	500	500	920	1470	2040	460	331	171	88	80
17	2170	2240	545	825	980	1320	2020	385	171	228	72	102
18	2140	2190	617	853	1000	1210	1750	305	102	305	65	125
19	2270	2090	665	900	1120	1100	1560	305	88	318	72	171
20	2060	2090	1100	1000	1300	1000	1490	475	182	318	65	182
21	1920	2060	1720	1100	1000	1000	1290	632	632	331	65	182
22	2040	1700	2040	980	880	1080	1250	505	748	240	50	182
23	1890	748	1920	800	820	1080	1230	445	460	148	50	182
24	1920	833	1890	650	860	1080	1190	385	357	206	65	194
25	1940	1080	1820	600	820	1380	1140	365	475	292	65	228
26	2020	1060	1700	620	850	1650	1080	305	632	228	72	292
27	1890	945	1490	650	850	1820	964	632	568	206	72	460
28	1450	1250	1660	650	1000	2020	888	850	731	171	72	415
29	1920	1470	1630	700	.....	2430	816	357	1080	136	80	445
30	1870	1700	1720	850	.....	2600	792	194	632	95	88	505
31	1940	.....	1470	950	.....	2490	.....	125	.....	80	88	.....
Mean	1650	1886	1459	1320	920	1819	1550	471	411	267	865	166
Max.	2270	2550	2220	3110	1300	3550	3040	748	1080	664	206	505
Min.	983	748	453	500	760	1000	792	125	88	80	50	50
A.F.	103300	112000	89730	81170	51080	111800	92210	28980	24440	16410	5320	9870
Total acre-feet	726500.											

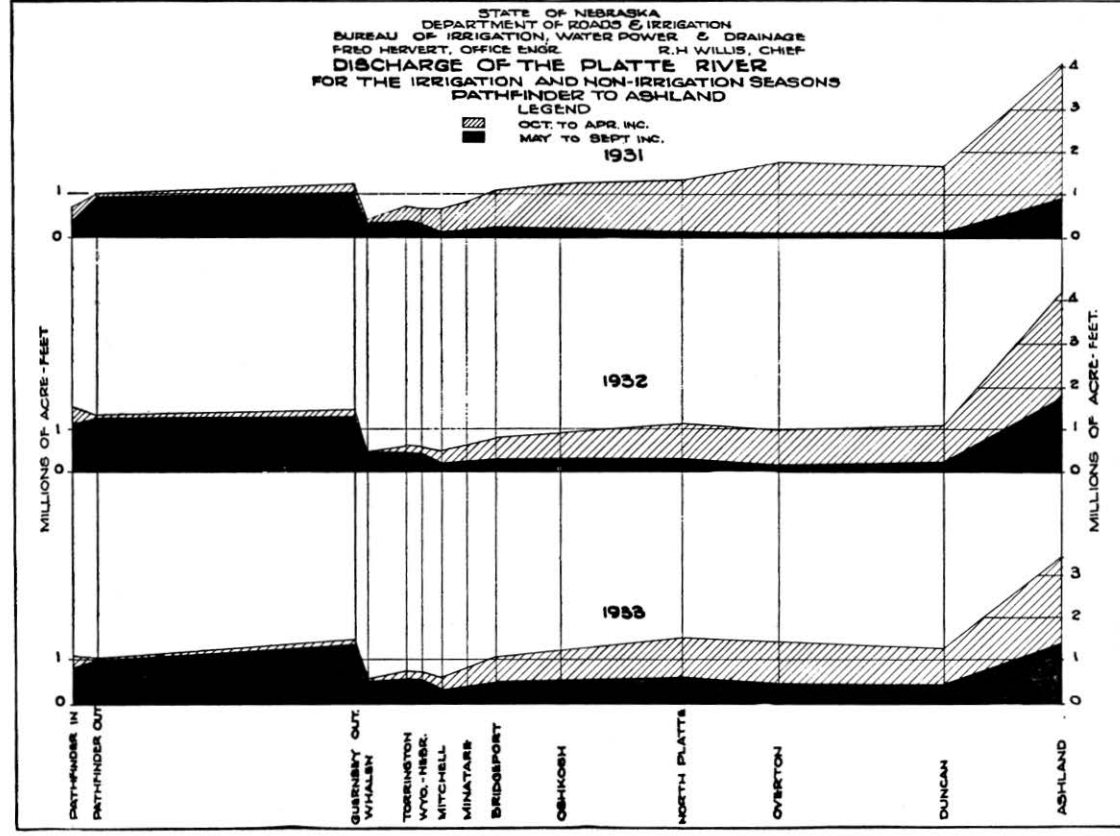


STATE OF NEBRASKA
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF IRRIGATION, WATER POWER & DRAINAGE
 R. H. WILLIS, CHIEF
DISCHARGE OF NORTH PLATTE RIVER
 AT
NORTH PLATTE
 WATER YEARS 1895-1914









REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT JULESBURG, COLORADO

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	202	255	362	1000	942	873	1950	681	147	41	38	27
2	223	248	360	1150	811	910	1850	546	175	40	35	27
3	207	240	354	1170	800	931	1760	407	134	39	33	26
4	193	285	352	1280	872	889	1720	297	111	36	31	26
5	206	286	351	1180	928	807	1660	236	93	35	30	27
6	219	284	350	1140	940	780	1650	204	82	33	29	31
7	230	279	354	1040	891	767	1600	171	80	33	33	28
8	248	281	352	1020	745	804	1560	145	78	34	30	29
9	271	329	360	1090	606	921	1520	124	71	36	28	29
10	276	328	358	1070	431	1060	1530	104	70	35	27	32
11	291	326	362	1020	460	1230	1600	99	70	33	27	32
12	312	329	377	1070	494	2070	1690	94	69	31	26	26
13	320	316	409	1060	549	4580	1750	91	67	30	27	26
14	327	319	427	1010	641	8520	1730	96	63	29	27	25
15	342	312	381	1060	761	5830	1690	96	61	29	27	26
16	357	312	384	1000	977	4540	1660	91	59	31	27	27
17	361	310	474	1060	1170	3760	1640	81	58	36	26	27
18	396	310	482	1180	1160	2910	1630	82	59	34	26	29
19	382	305	600	1250	1050	2450	1660	78	54	33	28	26
20	376	314	699	1280	1190	2120	1710	66	58	32	28	28
21	376	316	856	1250	1210	1890	1720	65	49	32	27	28
22	355	326	968	1250	1130	1740	1710	62	48	37	26	28
23	349	352	1050	1240	983	1740	1660	58	44	41	26	34
24	349	400	1040	1120	926	1880	1610	50	42	48	26	34
25	347	388	1020	1120	891	1970	1540	50	45	45	26	34
26	351	400	1020	1120	901	1990	1450	62	87	39	27	29
27	328	370	834	1070	927	2030	1380	66	64	36	27	28
28	305	367	720	1060	899	2050	1210	63	53	35	29	29
29	262	368	694	1030	.....	2080	970	60	43	33	27	30
30	261	364	728	1030	.....	2050	812	60	40	36	27	29
31	261	.....	863	1040	.....	2030	.....	73	.....	43	27	.....
Mean	299	321	579	1110	867	2200	1587	144	72	35	28	28
Max.	396	400	1050	1280	1210	8520	1950	681	175	48	38	34
Min.	193	240	350	1000	431	767	812	50	40	29	26	25
A.F.	18410	19080	35590	68230	48170	135300	94460	8840	4310	2190	1740	1700

Total acre-feet 438020.

Record furnished by the State of Colorado.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT OGALLALA

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	590	80	27	4	2
2	*	*	*	*	*	*	*	540	340	22	3	2
3	*	*	*	*	*	*	*	460	260	30	2	2
4	*	*	*	*	*	*	*	400	190	35	1	2
5	*	*	*	*	*	*	*	345	175	17	1	2
6	*	*	*	*	*	*	*	295	160	17	1	2
7	*	*	*	*	*	*	*	285	125	17	2	2
8	*	*	*	*	*	*	*	240	115	14	4	2
9	*	*	*	*	*	*	*	215	114	13	4	2
10	*	*	*	*	*	*	*	190	114	13	4	2
11	*	*	*	*	*	*	*	160	105	15	4	2
12	*	*	*	*	*	*	*	150	105	17	4	2
13	*	*	*	*	*	*	*	150	114	13	15	2
14	*	*	*	*	*	*	*	115	102	15	4	2
15	*	*	*	*	*	*	*	115	90	13	4	1
16	*	*	*	*	*	*	*	90	80	13	4	1
17	*	*	*	*	*	*	*	85	60	13	4	1
18	*	*	*	*	*	*	*	80	60	15	4	1
19	*	*	*	*	*	*	*	76	44	13	2	2
20	*	*	*	*	*	*	*	122	50	14	2	2
21	*	*	*	*	*	*	*	52	44	10	2	2
22	*	*	*	*	*	*	*	59	35	5	2	1
23	*	*	*	*	*	*	*	42	35	6	2	1
24	*	*	*	*	*	*	*	42	35	4	2	1
25	*	*	*	*	*	*	*	59	35	4	2	2
26	*	*	*	*	*	*	*	90	24	4	2	2
27	*	*	*	*	*	*	*	115	30	4	2	2
28	*	*	*	*	*	*	*	88	21	4	2	2
29	*	*	*	*	*	*	75	34	4	2	3
30	*	*	*	*	*	*	65	21	3	2	4
31	*	*	*	*	*	*	50	.....	3	2	.....
Mean	*	*	*	*	*	*	*	175	93	13	3	2
Max.	*	*	*	*	*	*	*	590	340	35	15	4
Min.	*	*	*	*	*	*	*	42	21	3	1	1
A.F.	*	*	*	*	*	*	*	10778	5548	787	188	111

*No record.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT PAXTON

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	*	12	3
2	*	*	*	*	*	*	*	*	*	*	12	3
3	*	*	*	*	*	*	*	*	*	*	12	2
4	*	*	*	*	*	*	*	*	*	*	11	2
5	*	*	*	*	*	*	*	*	*	*	11	2
6	*	*	*	*	*	*	*	*	*	*	11	2
7	*	*	*	*	*	*	*	*	*	*	10	2
8	*	*	*	*	*	*	*	*	*	*	10	2
9	*	*	*	*	*	*	*	*	*	*	13	2
10	*	*	*	*	*	*	*	*	*	*	16	2
11	*	*	*	*	*	*	*	*	*	*	14	2
12	*	*	*	*	*	*	*	*	*	*	11	2
13	*	*	*	*	*	*	*	*	*	*	10	2
14	*	*	*	*	*	*	*	*	*	*	7	2
15	*	*	*	*	*	*	*	*	*	*	6	1
16	*	*	*	*	*	*	*	*	*	*	6	1
17	*	*	*	*	*	*	*	*	*	*	5	1
18	*	*	*	*	*	*	*	*	*	*	5	1
19	*	*	*	*	*	*	*	*	*	*	4	1
20	*	*	*	*	*	*	*	*	*	*	4	1
21	*	*	*	*	*	*	*	*	*	*	4	1
22	*	*	*	*	*	*	*	*	*	*	4	2
23	*	*	*	*	*	*	*	*	*	*	4	2
24	*	*	*	*	*	*	*	*	*	*	3	2
25	*	*	*	*	*	*	*	*	*	*	3	2
26	*	*	*	*	*	*	*	*	*	*	3	4
27	*	*	*	*	*	*	*	*	*	*	3	3
28	*	*	*	*	*	*	*	*	*	*	3	3
29	*	*	*	*	*	*	*	*	*	*	3	4
30	*	*	*	*	*	*	*	*	*	3	4
31	*	*	*	*	*	*	3	.....
Mean	*	*	*	*	*	*	*	*	*	*	7	2
Max.	*	*	*	*	*	*	*	*	*	*	16	4
Min.	*	*	*	*	*	*	*	*	*	*	3	1
A.F.	*	*	*	*	*	*	*	*	*	*	448	127

Total acre-feet 575.

*No Record.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT NORTH PLATTE

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	411	320	420	890	930	1050	2460	1160	212	128	31	33
2	386	332	362	900	710	1100	2300	1040	252	128	31	31
3	366	340	344	920	550	1120	2200	945	247	128	26	26
4	348	340	362	900	720	1110	2040	800	268	132	24	24
5	332	348	352	890	750	1100	1890	680	274	124	24	24
6	312	344	352	880	820	1100	1770	620	263	97	24	26
7	298	344	362	900	750	1080	1680	563	236	91	38	26
8	280	352	386	870	660	1080	1620	536	222	84	72	36
9	272	362	390	850	590	1090	1580	509	202	72	53	48
10	280	376	386	720	600	1020	1540	484	193	64	48	45
11	283	376	386	680	660	1050	1520	484	184	64	50	40
12	287	381	380	650	670	1110	1470	460	193	58	48	40
13	283	371	320	700	670	1190	1510	444	188	53	40	28
14	287	376	340	680	677	1390	1580	326	175	50	40	28
15	287	386	391	640	680	2390	1730	285	167	45	40	26
16	287	390	400	750	640	6650	1770	241	154	45	40	33
17	287	395	420	840	620	5660	1720	226	128	43	45	38
18	294	395	455	989	640	4580	1640	222	117	38	38	40
19	301	400	460	1000	680	3770	1640	222	114	38	33	40
20	312	400	480	1020	700	2250	1580	241	150	36	36	43
21	316	366	480	1040	700	1980	1620	258	180	33	36	50
22	316	366	480	1050	730	1770	1680	241	142	31	33	64
23	308	366	500	1120	820	1620	1680	217	110	28	36	75
24	305	270	555	1050	900	1390	1660	203	100	26	33	81
25	312	300	660	970	950	1390	1620	188	100	26	31	84
26	316	300	620	1000	980	1390	1540	198	104	31	31	75
27	316	320	580	1020	1010	1810	1510	268	97	26	28	70
28	320	300	600	1040	1040	1980	1450	268	163	28	28	58
29	320	340	650	1060	.....	1920	1380	241	212	31	31	58
30	324	360	580	1020	.....	1810	1300	212	146	24	33	58
31	320	.....	700	1000	.....	2430	.....	193	.....	24	36	.....
Mean	312	354	460	905	748	1946	1689	419	176	59	37	45
Max.	411	400	700	1120	1040	6650	2460	1160	274	132	72	84
Min.	272	270	320	640	590	1020	1300	188	97	24	24	24
A.F.	19170	21069	28270	55670	41550	119700	100500	25740	10500	3620	2260	2670

Total acre-feet 430700.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT BRADY

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1580	2300	2086	2390	2020	1840	5553	2557	469	869	656	61
2	1550	2300	2070	2460	2370	2120	5750	2376	505	743	552	78
3	1490	2330	2570	2290	1980	2420	5473	2358	583	625	480	94
4	1390	2300	2580	2430	1750	2730	5152	2115	561	601	386	94
5	1390	2400	2440	3000	1920	2840	4604	1972	528	618	372	89
6	1490	2650	2260	3506	1870	2990	4357	1794	496	597	352	64
7	1480	2900	1980	3700	1970	3240	3940	1458	459	462	407	43
8	1570	2820	2060	4000	1890	3513	3349	1324	431	440	577	43
9	1510	2720	2130	3480	1790	4060	3102	1183	593	337	515	72
10	1560	2640	2040	3420	1690	4700	2919	944	630	270	470	94
11	1750	2510	1900	2790	1670	4396	2955	823	529	192	429	103
12	1960	2470	1970	2660	1690	4561	2788	871	624	161	393	108
13	2150	2610	1690	2250	1640	4948	2642	944	786	221	378	77
14	2310	2600	1360	1940	1680	4894	3097	1038	820	613	333	59
15	2290	2580	900	1790	1690	5277	3741	945	793	841	283	64
16	2050	2570	860	1360	1760	6969	4319	866	588	953	155	141
17	2420	2620	920	1300	1790	8272	4486	778	442	1105	98	141
18	2500	2640	980	1680	1820	6617	4174	664	354	1155	116	156
19	2470	2600	990	1840	1860	6169	4033	575	288	1247	143	181
20	2610	2560	1140	1900	2000	5375	4113	728	315	1231	226	176
21	2410	2500	1600	2020	2320	4647	3612	835	593	1166	119	201
22	2280	2430	2220	2150	1930	4210	3509	813	875	1117	78	186
23	2400	2100	2550	2070	1860	4025	3459	620	785	1018	61	191
24	2240	1140	2490	1960	1910	3628	3332	551	546	978	57	201
25	2260	1190	2510	1760	2020	3625	3427	498	477	1016	57	218
26	2290	1400	2550	1630	2110	3834	3489	477	577	1035	55	223
27	2280	1370	2390	1680	2160	3734	3358	773	646	1016	51	280
28	2250	1260	2180	1730	2260	4077	3106	1156	917	1011	57	336
29	1810	1560	2470	1700	.....	4643	2958	1114	987	862	55	362
30	2280	1800	2500	1760	.....	5207	2838	791	1008	821	49	399
31	2230	.....	2600	1930	.....	5375	.....	748	.....	809	21	.....
Mean	2006	2180	1967	2280	1904	4350	3788	1119	607	778	257	151
Max.	2610	2900	2600	4000	2370	8272	5750	2557	1008	1247	656	399
Min.	1390	1160	860	1300	1640	1840	2642	477	288	161	21	43
A.F.	123350	134320	120950	139980	105760	267580	225400	68810	36110	47860	15830	8995

Total acre-feet 1294940.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT COZAD

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	*	*	*	*	*	*	5735	1740	187	908	121	4	
2	*	*	*	*	*	*	5900	1680	194	760	132	2	
3	*	*	*	*	*	*	6055	1780	175	728	82	1	
4	*	*	*	*	*	*	5840	1515	160	389	63	1	
5	*	*	*	*	*	*	4860	1290	149	310	23	1	
6	*	*	*	*	*	*	4235	1250	148	192	15	1	
7	*	*	*	*	*	*	3580	1056	166	78	27	0	
8	*	*	*	*	*	*	3280	769	86	91	200	0	
9	*	*	*	*	*	*	2850	627	87	142	258	0	
10	*	*	*	*	*	*	2625	477	177	205	195	0	
11	*	*	*	*	*	*	2495	411	206	132	145	0	
12	*	*	*	*	*	*	2500	291	160	71	124	0	
13	*	*	*	*	*	*	2020	371	170	52	117	27	
14	*	*	*	*	*	*	2065	427	337	59	104	5	
15	*	*	*	*	*	*	2265	428	425	143	96	1	
16	*	*	*	*	*	*	4120	527	407	143	107	1	
17	*	*	*	*	*	*	4060	334	171	167	134	1	
18	*	*	*	*	*	*	7810	3890	247	59	310	77	2
19	*	*	*	*	*	*	6820	3445	178	33	433	81	2
20	*	*	*	*	*	*	5730	4300	359	17	344	117	1
21	*	*	*	*	*	*	5260	3570	254	101	357	145	1
22	*	*	*	*	*	*	3810	3030	219	183	399	71	1
23	*	*	*	*	*	*	3575	2715	223	443	399	39	1
24	*	*	*	*	*	*	3400	2705	174	434	344	30	1
25	*	*	*	*	*	*	3335	2685	90	332	286	28	1
26	*	*	*	*	*	*	2430	2900	155	128	252	29	1
27	*	*	*	*	*	*	3610	2130	237	121	275	34	1
28	*	*	*	*	*	*	4645	2475	504	455	319	25	1
29	*	*	*	*	*	*	4770	2060	820	445	226	24	1
30	*	*	*	*	*	*	5160	1865	755	996	86	19	1
31	*	*	*	*	*	5690	.....	312	.....	61	13	.....
Mean	*	*	*	*	*	*	*	3415	629	238	279	86	.....
Max.	*	*	*	*	*	*	*	6055	1780	996	908	258	27
Min.	*	*	*	*	*	*	*	1865	90	17	52	13	0
A.F.	*	*	*	*	*	*	*	203219	38678	14186	17179	5306	119

*No Record.

DEPARTMENT OF ROADS AND IRRIGATION

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT OVERTON
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	881	1750	2780	3410	2450	2600	5420	1690	611	628	25	0
2	78F	1780	2550	4380	2000	2700	5750	1470	729	530	25	0
3	843	1800	1950	4270	1700	2750	6600	1500	444	400	14	0
4	881	1980	2460	3990	1650	2800	6750	1380	338	312	0	0
5	805	2280	2060	3120	1450	2850	6750	1040	275	252	0	0
6	594	2420	2870	3410	1400	2900	5360	1080	252	194	11	0
7	444	2370	2780	3990	1300	3180	4730	920	252	124	25	0
8	350	2970	2200	4040	1200	3390	4380	660	240	64	88	0
9	516	2920	1690	3770	1150	3600	3880	275	388	48	79	0
10	729	2970	1870	2600	1100	3850	3260	288	1200	25	88	0
11	843	2690	1560	2550	1100	4100	2920	240	487	42	59	0
12	805	2420	1020	2370	1150	4210	2420	288	375	14	36	0
13	843	2336	1100	2020	1200	4320	2200	288	312	3	8	0
14	843	2460	614	1800	1350	5960	2240	275	206	0	11	0
15	824	2550	562	1690	1450	4430	2370	338	710	0	11	0
16	748	2510	545	1480	1540	3990	3620	400	710	0	14	0
17	644	2370	611	1320	1630	5560	4860	400	502	0	6	0
18	900	2200	805	1250	1780	8850	4800	288	400	19	14	0
19	960	2330	748	1350	2060	6520	4320	183	312	160	0	0
20	1060	2510	694	1550	2100	5750	3880	660	312	325	0	0
21	1280	2690	694	1700	2250	4380	3770	824	1120	229	8	0
22	1350	2240	694	1350	2000	3460	3260	628	824	160	0	0
23	1080	1320	881	1950	1950	3310	2780	502	644	229	0	0
24	1250	1200	1150	2100	2000	3070	2690	414	472	124	0	0
25	1350	1300	1410	2250	2150	2690	2510	375	400	106	0	0
26	1600	1280	1950	2150	2300	2370	2240	562	312	115	0	0
27	1550	1350	2420	2050	2480	2460	2460	881	172	142	0	0
28	1500	1500	3210	1950	2550	3160	2110	660	375	160	0	0
29	1700	1950	2970	2300	.....	4150	1650	578	429	124	0	0
30	1700	2550	1910	2750	.....	4430	1560	628	729	97	0	0
31	1700	.....	2060	2660	.....	4430	.....	694	.....	14	0	.....
Mean	1012	2166	1641	2514	1728	3943	3718	658	484	150	17	0
Max.	1700	2970	3210	4380	2550	8850	6750	1690	1200	628	88	0
Min.	350	1200	545	1250	1100	2370	1560	183	172	0	0	0
A.F.	62200	128900	100900	154600	95960	242400	221200	40480	28820	9200	1040	0

Total acre-feet 1086000.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT ODESSA
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	562	834	3440	4160	2600	2600	4690	1900	370	634	0	0
2	304	899	3760	4030	2000	2700	4390	350	769	670	0	0
3	300	1010	4050	4310	1800	2750	4800	950	210	394	0	0
4	304	1000	3980	4200	1500	2800	5030	821	114	250	0	0
5	240	1240	4010	4080	1400	2850	5070	526	72	101	0	0
6	120	1180	3800	3720	1300	2900	4160	562	56	54	0	0
7	85	1310	2880	3940	1200	3190	3440	682	56	34	0	0
8	40	1340	2210	4310	1150	3500	3120	466	49	18	0	0
9	37	1550	1520	4540	1100	3800	2940	200	107	6	0	0
10	114	1650	1580	3760	1020	4200	2630	59	935	4	0	0
11	230	1710	1600	3510	1080	4990	2520	153	1200	0	0	0
12	210	1650	1500	3220	1120	4500	2070	190	526	0	0	0
13	114	1520	1120	2880	1160	4460	1900	210	304	0	0	0
14	190	1520	800	2840	1260	5150	2180	127	107	0	0	0
15	210	1470	550	1780	1320	4690	2420	90	348	0	0	0
16	282	1470	500	1140	1400	4390	3300	114	890	0	0	0
17	220	1500	580	1240	1450	4610	3940	127	490	0	0	0
18	127	1420	800	1100	1650	7100	3620	107	153	0	0	0
19	326	1420	750	1250	1800	6060	3230	72	47	0	0	0
20	490	1380	670	1400	2150	5340	3330	260	47	0	0	0
21	634	1600	670	1650	2300	4730	3020	646	694	0	0	0
22	875	1220	670	1900	2050	3900	2840	170	1500	0	0	0
23	622	1050	820	2050	1850	3760	2880	20	905	0	0	0
24	670	800	1000	2200	2000	3220	2380	4	550	0	0	0
25	905	920	1400	2300	2200	3020	2420	3	454	0	0	0
26	860	900	1900	2200	2300	2980	2180	72	370	0	0	0
27	795	1500	2500	1950	2450	3190	2210	950	180	0	0	0
28	834	2560	3300	1850	2550	3540	1810	950	120	0	0	0
29	905	3440	3100	2900	.....	4200	1380	466	240	0	0	0
30	694	3400	1800	3090	.....	4230	1200	315	598	0	0	0
31	694	.....	2100	2800	.....	4730	.....	382	.....	0	0	.....
Mean	419	1498	1915	2763	1634	4003	3040	376	415	70	0	0
Max.	905	3440	4050	4540	2600	7100	5070	1000	1500	670	0	0
Min.	37	800	500	1100	1020	2600	1200	3	47	0	0	0
A.F.	25770	89160	117700	169900	93540	246100	180900	23100	24720	4290	0	0

Total acre-feet 975200.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT GRAND ISLAND
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1170	821	1910	2160	2750	1800	4920	1420	290	128	0	0
2	889	908	2460	2600	1660	2100	5390	1330	237	177	0	0
3	678	908	2390	3006	1170	2450	4860	1330	280	290	0	0
4	522	889	2870	4190	1330	2600	5760	1130	356	367	0	0
5	472	984	2490	5460	1020	2700	6600	1100	290	412	0	0
6	472	1020	2460	5760	1470	2750	5830	1040	167	356	0	0
7	378	965	2570	5460	1100	2900	4130	908	72	280	0	0
8	269	1170	2490	4550	900	3150	3180	854	18	177	0	0
9	258	1820	2090	4030	780	3400	3430	740	4	88	0	0
10	290	2000	1760	3710	700	4000	3250	497	5	18	0	0
11	301	1850	1740	2950	580	4400	2950	322	4	1	0	0
12	290	1740	1630	2350	550	4850	2870	227	65	0	0	0
13	290	1740	740	2460	700	4730	2680	187	560	0	0	0
14	301	1710	378	2530	920	3570	2570	147	535	0	0	0
15	290	1600	927	1030	880	4030	2720	118	434	0	0	0
16	227	1570	927	720	850	4030	2600	103	333	0	0	0
17	227	1600	870	630	820	3610	2570	88	322	0	0	0
18	237	1550	575	851	1000	3710	3450	72	400	0	0	0
19	227	1500	757	890	1250	8520	3570	72	311	0	0	0
20	187	1450	619	1150	1200	6920	3340	95	196	0	0	0
21	248	1330	838	2350	1280	5830	3250	95	157	0	0	0
22	367	740	1130	1970	1250	5260	2950	248	128	0	0	0
23	472	664	1080	2160	1450	4370	2640	497	484	0	0	0
24	649	400	1150	1260	1600	4190	2030	322	789	0	0	0
25	604	678	1330	1570	1720	3610	1820	206	547	0	0	0
26	619	560	2390	1710	1900	3380	1760	227	510	0	0	0
27	821	600	2120	1820	1850	3080	1680	258	356	0	0	0
28	789	900	2220	2160	1820	3120	1630	459	290	0	0	0
29	724	1330	2060	2830	.....	3920	1520	634	227	0	0	0
30	757	1240	1940	3160	.....	4430	1400	708	157	0	0	0
31	927	.....	1910	3040	.....	4080	.....	497	.....	0	0	.....
Mean	482	1208	1639	2597	1232	3919	3264	514	284	74	0	0
Max.	1170	2000	2870	5760	2750	8520	6600	1420	789	412	0	0
Min.	187	400	378	630	550	1800	1400	72	4	0	0	0
A.F.	29660	71880	100800	159700	68430	241000	194200	31620	16910	4550	0	0

Total acre-feet 918800.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT DUNCAN
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1250	720	1400	1650	1800	2100	4740	1780	920	120	1	0
2	1140	808	1810	1740	1300	2400	4880	1680	756	113	8	0
3	892	696	2350	1970	920	2700	5500	1480	450	96	3	0
4	744	878	2680	2420	980	2900	5600	1370	350	109	1	0
5	602	850	2980	2870	750	3000	5950	1230	450	328	2	0
6	524	850	2710	3260	860	3050	6760	1170	492	440	2	0
7	412	864	2490	4420	760	3450	6000	1230	270	306	1	0
8	395	938	2830	4880	700	3800	4780	1010	147	165	2	0
9	404	1060	3060	4340	600	4200	3620	892	89	82	1	0
10	395	1190	2710	4520	440	4700	3060	906	276	30	1	0
11	386	1480	2210	4200	380	5200	2790	696	212	10	1	0
12	359	1320	1870	3620	350	5100	2640	591	151	4	1	0
13	350	1300	1480	2980	465	5000	2490	413	165	2	0	0
14	291	1400	1080	2870	610	6030	2310	250	472	1	0	0
15	263	1350	696	1900	600	7020	2240	196	938	1	0	0
16	225	1300	568	878	600	7560	2710	151	696	0	2	0
17	202	1280	350	461	590	7160	2790	120	413	1	1	0
18	138	1370	450	660	700	7220	2490	102	298	0	0	0
19	120	1460	500	756	980	7160	3500	73	263	0	0	0
20	129	1460	480	794	960	9700	3820	64	313	0	0	0
21	160	1210	560	1400	1100	7770	3580	55	313	0	0	0
22	147	540	640	1840	1120	6340	3380	263	283	0	0	0
23	156	450	620	2210	1210	6000	2830	335	244	0	0	0
24	218	300	700	1810	1360	5010	2600	413	160	0	0	0
25	320	400	900	2100	1500	4560	2560	482	343	3	0	0
26	422	450	1300	1900	1720	4160	2240	386	892	19	0	0
27	450	420	1500	2010	1780	3780	2100	780	684	24	0	0
28	503	510	1590	2420	1900	3660	1840	503	422	8	0	0
29	626	1000	1320	2530	.....	3580	1650	524	202	4	0	0
30	637	950	1280	2900	.....	3700	1710	648	138	2	0	0
31	660	.....	1350	2750	.....	4780	.....	956	.....	1	0	.....
Mean	436	961	1499	2422	966	4929	3439	669	393	60	1	0
Max.	1250	1480	3060	4880	1900	9700	6760	1780	938	440	8	0
Min.	120	300	350	461	350	2100	1650	55	89	0	0	0
A.F.	26820	57190	92160	148900	53620	303100	204600	41160	23410	3710	54	0

Total acre-feet 954700.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT ASHLAND

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3450	2540	2600	2050	4000	3800	7320	4210	3370	2920	1110	1470
2	3230	2620	4600	2500	3200	3700	6920	3940	3400	2500	1210	1730
3	3050	3090	5200	2850	2500	4000	6800	5910	3320	2400	1160	1760
4	2850	3010	5450	3350	2200	4700	7950	3610	3610	2320	1930	1760
5	2730	4120	5630	4120	1800	5600	8250	6030	4270	4030	2250	1800
6	2540	3580	5950	4730	1600	6200	7900	4420	3060	3400	1930	1880
7	2410	3340	6040	5340	1850	6100	8620	3970	2870	2950	1530	1650
8	2280	3420	5760	6090	1600	6000	7900	4210	2500	3430	1510	1390
9	2150	3490	5670	7500	1300	5900	7550	5460	2550	2630	1340	1070
10	1980	3580	5760	7100	1150	6400	6720	4520	2420	2060	994	885
11	2000	3530	5630	7220	900	7200	6130	4900	6530	1630	795	715
12	2310	3530	5340	7040	850	8200	5890	3520	7600	1300	795	628
13	2300	3770	5370	6720	1200	9000	5990	2710	5990	1390	1110	617
14	2090	3790	5210	5820	1510	11400	5890	2400	4760	1340	1670	617
15	2070	3900	4580	5920	1800	11200	5590	2400	3700	1390	2370	617
16	2020	4060	3940	4890	1650	11000	5500	2370	5310	1040	2040	628
17	1970	4090	3610	3500	1500	10400	5630	2200	4120	855	2080	628
18	1950	4010	3370	2850	1400	9300	6300	2100	3320	702	2950	628
19	1950	3980	3320	2680	1800	9480	5820	1970	2790	639	3670	617
20	1980	4120	3580	1900	2600	10100	6160	2100	2350	639	2870	606
21	1980	4090	3460	2180	2950	11700	6160	2040	2300	728	1930	606
22	1950	3770	3400	2220	2750	9360	5860	1930	2420	1040	1470	595
23	1880	3510	3490	2600	2650	9480	5630	2040	2080	1110	1470	595
24	1910	2000	3700	2800	2900	9420	5340	6150	1930	1320	1510	595
25	1840	1450	4900	3600	3000	8150	5020	4120	3400	3090	1300	584
26	1930	1160	4300	3200	3200	8100	1890	3060	3180	2040	1180	584
27	2090	1140	3090	3100	3350	7500	4760	4180	3640	4860	1140	584
28	2260	930	1700	3300	3600	7360	4490	9480	7950	3580	1120	573
29	2330	820	850	3500	.....	7360	4550	6960	5560	2660	1090	573
30	2350	1900	900	3600	.....	6920	4460	5180	4520	1820	1120	680
31	2410	.....	1600	3800	.....	6420	.....	4420	.....	1240	1190	.....
Mean	2263	3078	4099	4135	2172	7789	6200	3868	3828	2034	1608	922
Max.	3450	4120	6040	7500	4000	11700	8620	9180	7950	4860	3670	1880
Min.	1840	820	850	1900	850	3700	4460	1930	1930	639	795	573
A. F.	139100	183260	252000	254200	120600	478900	368900	237800	227800	125100	98840	54870

Total acre-feet 2541000.

SEMINOLE STORAGE RESERVOIR

Daily Contents in Acre-Feet

Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26470	37960	44300	44490	43420	47620	65420	66870	132730	156100	63680	23820
2	26570	38400	44490	44490	43420	48340	66350	66900	127390	152740	69880	24140
3	26720	38940	44790	44590	43610	49560	67570	66770	142490	151060	56010	24300
4	26970	39300	44990	44690	43800	49920	68500	66430	147430	150190	52190	23930
5	27170	39660	44890	44690	43800	50370	69350	67880	152100	150230	48450	23660
6	27470	40020	44750	44890	44000	50610	70070	69270	156360	148540	44240	23210
7	27640	40390	44690	45190	44000	51000	70610	70240	160550	146470	40450	23010
8	28130	40760	44890	45190	44000	51450	70750	71610	164510	144760	36640	23030
9	28420	41320	44990	45190	44200	52120	70670	72000	168640	142160	33290	23160
10	28680	41690	45090	45190	44390	52790	70560	72550	171710	139240	31950	23160
11	29040	42260	45190	45380	44590	53190	70560	73020	178540	136240	29620	23280
12	29470	42650	45280	45480	44790	53590	70260	74270	174670	133400	27370	23180
13	29900	42840	45380	45780	44990	53830	70150	76030	175530	130200	25070	23210
14	30520	42840	45090	46090	44790	54030	69990	78080	175430	127050	23660	23210
15	31120	42840	45090	45680	44790	54350	69670	81210	175530	124080	23430	23300
16	31470	43030	45480	45780	44990	54890	69620	83910	175590	120880	23310	23650
17	31820	43220	45980	45680	45190	55760	69940	86660	176340	117450	23130	23710
18	32240	43510	46090	45580	45380	56280	70310	89560	176400	114060	23180	23630
19	32710	43610	45980	45780	45480	56880	69890	92710	176130	110650	23130	23540
20	33180	43510	45580	45580	45580	57470	69050	96230	175480	107140	22820	23640
21	33580	43510	45190	45580	45480	58120	69050	99000	174950	104160	22520	23660
22	34070	43510	44990	45250	45480	58590	68270	101720	173270	101280	22420	23930
23	34310	43800	45090	44830	45480	58830	67910	104310	171980	98000	22420	24300
24	34640	44000	45280	44430	45480	59500	67390	107320	171820	94290	22340	24490
25	34970	44000	45280	44100	45780	59930	67000	109490	170640	90330	22390	24990
26	35470	44200	45050	43800	45980	60480	66480	111390	168800	86600	23650	25530
27	36060	44200	44730	43630	46190	61220	66530	114180	166690	82760	23850	25950
28	36480	44290	44430	43610	46490	62130	67440	116270	164050	78940	23600	26380
29	36920	44200	44200	43510	47000	62920	67180	119250	161210	75460	23500	26570
30	37180	44200	44000	43420	.....	63830	66920	123550	158430	71420	23520	27170
31	37520	.....	44200	43420	.....	64610	.....	128350	.....	67540	.....	.....

Record furnished by the United States Bureau of Reclamation.

REPORT OF THE STATE ENGINEER

 PATHFINDER STORAGE RESERVOIR
 Daily Contents in Acre-Feet
 Year Ending September 30, 1940

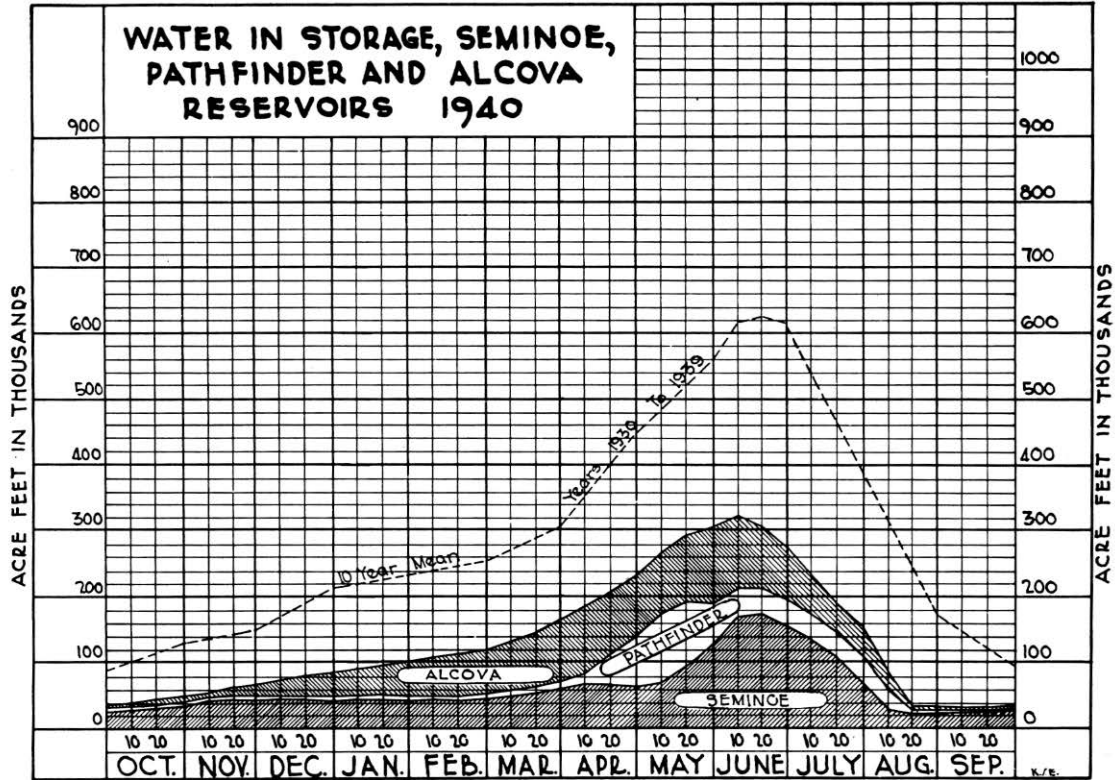
Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5530	4250	6240	5930	6240	7670	8090	77660	58510	37100	38060	3960
2	5290	5190	6490	5720	6290	7740	9200	80580	56380	37580	36640	4030
3	5530	4140	6700	5820	6270	7720	10780	83290	53290	37880	35360	3820
4	5600	4150	6830	6060	6190	7770	12360	86110	51290	38200	34200	4430
5	5580	4580	6910	6200	5920	8040	13920	87930	49320	36940	33200	5080
6	5610	4820	6980	6320	5840	8380	15500	89180	47700	36980	32340	5340
7	5640	5060	6860	6350	5910	8660	16910	91830	46020	37140	31460	5490
8	5660	5230	6480	6070	5990	8540	18890	94360	44340	36500	30620	5420
9	5710	5300	6060	6060	6010	8040	20920	97900	42620	36750	29750	5170
10	5830	5340	5680	6200	5960	7550	22960	100030	40490	37070	27230	4840
11	5920	5400	5240	6240	5850	6880	24950	102360	39050	37330	24920	4670
12	5880	5450	5020	6220	5590	6770	26990	104590	37830	37460	23070	4980
13	5750	5520	4980	6150	5500	7040	28880	104800	36780	37650	21580	5200
14	5600	5730	5000	5960	5560	7410	30340	105520	36480	37880	20240	5220
15	5460	6180	5030	5500	5660	7780	32680	106290	36840	37440	16190	5170
16	5300	6340	4940	5360	5720	8020	34830	105940	37280	37860	12600	5030
17	5340	6260	4780	5480	5720	8220	36890	103580	36160	38180	9440	4600
18	5300	6090	4600	5610	5680	8440	38530	101560	35800	38320	6760	4580
19	5180	5890	5010	5840	5480	8390	41180	99170	35760	38450	5780	4560
20	5090	5730	5540	5980	5450	8130	44030	95000	35740	38720	5410	4540
21	4950	5790	5870	5960	5640	7810	46440	91990	35960	38960	5210	4520
22	4810	5840	5960	5640	5920	7470	49130	88750	36110	38790	3860	4730
23	4680	5840	5820	5660	6200	7370	52740	85540	36160	38980	4040	4750
24	4700	5680	5670	5890	6350	7320	55840	82420	35650	39170	4070	4740
25	4700	5560	5360	6080	6460	7440	58970	79170	35960	39630	3960	4760
26	4620	5480	5000	6200	6480	7670	62110	76110	36360	40230	3780	4740
27	4500	5300	4960	6280	6720	7850	65550	72310	36590	40610	3870	4660
28	4380	5320	5110	6260	7120	8000	68760	69310	36870	40950	4360	4650
29	4270	5700	5370	6060	7460	8140	72380	66670	37100	40950	4140	4860
30	4180	5950	5690	6050	.....	8240	73680	64200	37530	41120	3920	5100
31	4220	.....	5990	6160	.....	8080	.....	60930	.....	39600	4010	.....

Record furnished by the United States Bureau of Reclamation.

 ALCOVA RESERVOIR
 Daily Contents in Acre-Feet
 Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5000	10540	18290	34970	50750	66470	92390	92840	112530	78770	46410	2640
2	5370	10670	18570	35490	51320	67080	93010	92850	112390	78280	44280	2540
3	5630	10780	18880	35940	51880	67680	93060	92800	111070	77890	41870	2540
4	5820	10880	19250	36350	52400	68310	93010	92820	109430	77750	39520	2570
5	5890	10960	19730	36770	52930	68950	92970	92780	107590	77510	37050	2560
6	5960	11030	20320	37320	53470	69590	92950	92730	107690	77200	34600	2560
7	6050	11120	21190	37870	54040	70350	92950	92720	109460	74910	32230	2570
8	6140	11210	22210	38420	54580	71340	92940	92680	111330	70660	29870	2570
9	6220	11300	23260	38960	55110	72420	92900	92660	111450	66310	27560	2580
10	6340	11380	24320	39470	55640	73510	92890	93880	111300	61900	25270	2600
11	6450	11480	25300	40000	56150	74580	92850	95340	111180	57710	22850	2610
12	6590	11650	26020	40550	56660	75500	92820	96190	110880	53560	20320	2620
13	6730	11880	26600	41060	57190	76010	92820	97840	110320	49510	17830	2620
14	6860	12160	27120	41570	57700	76520	92800	98680	108600	45320	15490	2630
15	6990	12380	27660	42100	58210	77080	92800	97830	105870	41260	13760	2640
16	7130	12730	28210	42600	58720	77570	92800	97230	103410	37390	11980	2650
17	7260	13150	28760	43120	59250	78020	92780	98210	101330	38930	10070	2660
18	7390	13590	29220	43610	59780	78470	92780	99160	99250	40880	8320	2680
19	7530	14020	29440	44140	60300	79210	92750	100180	95770	42860	6400	2670
20	7700	14460	29590	44660	60810	80180	92730	101060	93620	44800	5230	2660
21	7770	14880	29790	45190	61320	81190	92710	101840	90060	48000	3930	2660
22	7950	15310	30170	45710	61880	82180	92700	102580	86350	51320	3850	2600
23	8100	15730	30710	46200	62410	83150	92660	103260	82760	54670	3830	2520
24	8290	16140	31290	46690	62980	84110	92660	103850	79130	58010	3460	2440
25	8480	16560	31850	47190	63520	85070	92650	104380	75240	61390	2860	2350
26	8640	16840	32330	47690	64100	86060	92650	105850	75790	61590	2810	2280
27	8810	17220	32770	48180	64690	87030	92680	107220	76690	60970	2800	2200
28	8970	17530	33170	48670	65250	87980	92770	108410	77380	56700	2800	2030
29	9120	17760	33610	49160	65860	88990	92840	109690	78260	53770	2690	2030
30	9270	18020	34030	49660	.....	89950	92840	110770	79030	50920	2660	1980
31	10410	.....	34470	50200	.....	91060	.....	111600	.....	48680	2640	.....

Record furnished by the United States Bureau of Reclamation.



REPORT OF THE STATE ENGINEER

 GUERNSEY STORAGE RESERVOIR
 Daily Contents in Acre-Feet
 Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31080	31730	32200	34270	32870	34140	37720	47060	31300	36780	15970	19850
2	31060	31690	32330	34290	32770	34750	37760	47960	29430	35620	15550	18500
3	30920	31710	32590	34370	32750	35250	37800	48880	27870	35140	15720	17160
4	30790	31730	32850	34420	32740	35640	37860	49360	25950	35620	16210	17550
5	30700	31780	33030	34460	32740	36170	37940	49720	26410	36330	16930	17980
6	30600	31820	33180	34480	32720	36520	38110	49930	29900	34250	17600	17960
7	30550	31820	33440	34420	32740	36700	38190	50090	33970	30970	18560	17930
8	30670	31780	33800	34460	32750	36860	38230	50160	36460	27100	19720	17490
9	30740	31750	34080	34480	32720	36920	38370	49980	36150	23230	20900	17440
10	30850	31780	34200	34480	32810	37060	38580	49660	35880	20960	22210	17160
11	30880	31870	34270	34500	32790	37100	38700	48230	34420	19750	23360	17070
12	31030	31890	34390	34480	32740	37140	38820	45990	34250	19060	24350	17020
13	31080	31960	34460	34440	32740	36960	38980	43590	31900	18820	25000	17090
14	31190	32040	34710	34500	32740	37060	39130	40260	32060	19240	25490	17190
15	31260	32150	34820	34460	32660	37140	39320	36860	27690	20180	25890	17190
16	31230	32240	34940	34440	32640	37260	39580	33590	24300	24230	26240	17300
17	31320	32320	34940	34460	32600	37260	39820	30610	21440	28040	26370	17180
18	31330	32330	34940	34460	32600	37220	40300	29160	18920	32040	26350	16990
19	31370	32410	34900	34040	32590	37240	40740	29940	16700	34350	26590	16910
20	31420	32410	34790	33910	32550	37200	41220	29260	14910	33930	26940	16830
21	31510	32420	34710	33820	32510	37160	41690	29520	14650	32900	27030	16810
22	31600	32420	34600	33680	32500	37120	42070	30200	16140	31840	27050	16920
23	31620	32440	34520	33590	32460	37140	42570	31140	18750	31730	26940	16970
24	31600	32390	34440	33440	32460	37240	43190	32300	22720	31210	27010	17480
25	31590	32280	34310	33300	32480	37280	43540	33140	26090	29710	27000	17680
26	31600	32150	34280	33240	32510	37340	44010	33860	29650	27540	26730	18130
27	31600	32090	34100	33160	32720	37400	44560	34480	33820	24750	26190	18390
28	31690	32090	34060	33030	33160	37460	45160	34620	36820	21650	25470	18690
29	31710	32110	34120	32970	33610	37460	46060	34100	37520	18740	24260	18770
30	31690	32150	34100	32940	.....	37520	46320	33660	37200	18230	22990	18800
31	31730	.....	34160	32880	.....	37580	.....	33200	.....	17730	21410	.....

Record furnished by the United States Bureau of Reclamation.

 DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
 OUTFLOW OF GUERNSEY RESERVOIR
 Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	274	269	136	136	155	185	131	302	3350	1800	3770	1190
2	291	280	131	145	145	170	126	416	3290	2080	3500	1190
3	296	285	136	145	140	165	131	494	3180	2150	3470	1160
4	318	321	139	155	135	165	108	596	3240	2170	3290	638
5	291	253	131	165	137	175	100	682	2800	2300	3180	428
6	296	258	185	160	136	175	84	734	1440	3500	3160	440
7	258	269	155	190	140	175	81	815	197	3830	2990	422
8	264	280	126	170	150	170	136	858	1950	3950	2880	560
9	253	280	131	165	165	175	131	850	2110	4030	2810	369
10	280	264	131	190	175	180	108	865	2050	4100	2740	476
11	274	232	136	165	165	175	104	1330	2120	4020	2740	369
12	274	253	131	170	175	170	104	1720	2260	3940	2740	364
13	291	237	136	160	200	175	118	1800	2730	3740	2860	352
14	247	221	126	150	190	175	95	2150	3220	3400	2860	307
15	269	221	126	160	190	175	150	2250	3800	3120	2840	395
16	274	221	145	160	180	175	126	2220	3770	2200	2780	285
17	274	216	150	155	180	180	136	2220	3820	1820	2810	369
18	296	206	145	313	170	175	131	2120	3760	1490	2770	341
19	291	190	136	175	170	175	131	2120	3600	1550	2560	269
20	274	200	136	170	180	180	136	2190	3410	1670	2490	313
21	242	211	155	175	180	175	108	2160	2870	1700	2330	291
22	242	237	145	155	175	165	136	2210	2360	1720	1820	264
23	274	221	131	160	170	113	165	2170	1680	1100	1430	269
24	280	216	150	170	175	88	145	2160	1400	1200	1110	253
25	280	211	140	160	185	108	140	2250	1610	1440	1000	221
26	296	190	122	155	185	108	145	2320	1340	1660	981	200
27	258	175	185	160	195	113	118	2410	1190	1890	1000	190
28	226	155	140	165	190	104	95	2530	1110	1980	1040	185
29	237	145	131	155	185	92	136	2600	1270	2290	1300	269
30	258	136	136	160	.....	100	190	2670	1670	2830	1310	307
31	269	.....	155	155	.....	88	.....	2920	.....	3260	1310	.....
Mean	272	225	140	167	170	153	125	1714	2440	2514	2383	423
Max.	318	285	185	313	200	185	190	2920	3800	4100	3770	1190
Min.	236	136	122	136	135	88	81	302	957	1100	981	185
A.F.	16750	13390	8640	10250	9750	9410	7430	105390	145180	154570	146520	25160

Total acre-feet 652440.

Record furnished by the United States Bureau of Reclamation.

DEPARTMENT OF ROADS AND IRRIGATION

567

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
RECORDER STATION BELOW WHALEN
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	29	26	19	9	12	23	79	1780	762	604	234
2	38	29	26	19	9	11	27	59	1840	794	384	219
3	43	31	26	19	9	10	27	52	2000	794	317	204
4	42	31	23	19	9	9	25	89	2040	646	280	190
5	38	26	65	18	9	8	25	96	1510	1040	304	146
6	38	25	72	17	9	7	22	77	288	1110	313	146
7	38	23	29	16	9	7	21	63	272	1030	335	176
8	36	28	28	14	9	7	21	54	938	914	326	180
9	36	27	26	13	9	7	21	47	938	810	313	150
10	35	23	25	20	9	7	22	91	874	716	330	118
11	35	22	23	12	33	7	23	424	826	583	280	94
12	36	22	22	11	28	7	22	778	802	448	260	52
13	42	22	22	11	23	7	20	922	866	358	256	48
14	35	21	21	11	36	7	20	1190	1060	348	249	65
15	32	21	19	11	27	7	21	1310	1310	369	219	42
16	42	22	19	11	24	8	27	1300	1260	514	163	40
17	48	22	19	10	20	7	31	1310	1240	400	166	38
18	38	22	19	8	18	7	27	1330	1200	384	170	36
19	47	23	19	9	16	7	32	1280	1090	442	146	47
20	40	23	19	9	15	7	33	1280	1120	548	118	27
21	40	23	20	8	17	7	27	1260	1200	548	94	35
22	42	28	20	12	17	7	26	1200	1220	590	110	25
23	35	29	20	10	15	7	29	1150	1130	590	110	63
24	32	27	20	9	17	7	33	1170	1170	534	163	25
25	35	26	18	8	16	9	33	1200	1190	618	166	19
26	42	27	16	19	15	15	28	1170	1020	681	104	18
27	38	26	14	14	13	21	65	1140	842	674	96	19
28	32	26	18	12	12	21	72	1100	850	632	170	21
29	27	26	25	9	18	21	31	1080	946	520	292	19
30	26	26	21	9	.....	22	43	1150	890	430	313	22
31	25	.....	20	9	.....	26	.....	1460	.....	502	288	.....
Mean	37	25	24	12	16	10	29	804	1124	624	240	84
Max.	48	31	72	20	36	26	72	1460	2040	1110	604	234
Min.	25	21	11	8	9	7	20	47	272	348	94	18
A.F.	2280	1500	1510	767	928	633	1740	4940	66870	38340	14760	4990
Total acre-feet 183700.												

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT WYOMING-NEBRASKA LINE
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	385	516	350	364	400	385	255	314	1190	1080	665	468
2	296	490	338	350	384	385	275	275	1450	1020	760	441
3	350	455	338	378	370	357	275	285	1580	1030	646	427
4	357	455	350	385	350	326	275	290	1750	1010	620	420
5	371	411	344	380	326	332	275	308	2070	910	586	454
6	371	420	399	375	311	326	285	285	1770	880	611	454
7	399	420	326	350	350	326	311	260	765	1120	620	454
8	399	434	332	310	357	332	275	231	498	1030	637	448
9	420	413	385	350	378	357	290	213	890	900	628	498
10	420	399	364	390	378	338	320	195	970	841	620	483
11	392	406	338	450	357	338	320	179	870	850	628	498
12	413	392	350	420	350	371	308	265	765	756	637	454
13	406	350	326	378	364	371	314	524	689	651	603	441
14	434	357	308	350	378	385	308	670	727	575	637	441
15	498	357	338	350	378	357	302	890	880	575	603	441
16	490	326	338	364	378	332	344	870	1070	810	552	454
17	524	332	320	385	350	371	364	930	1050	800	498	431
18	516	320	338	236	371	344	332	940	1040	770	483	434
19	507	320	371	250	350	385	314	930	1070	656	441	414
20	524	308	344	265	344	350	314	910	1100	692	382	364
21	541	314	338	270	338	338	320	900	1100	760	352	370
22	516	332	332	255	356	350	308	880	1180	810	340	376
23	507	350	344	245	357	344	302	850	1200	800	318	376
24	532	350	344	259	357	332	285	822	1140	790	306	394
25	524	357	392	270	350	326	285	841	1210	730	352	448
26	550	350	434	280	364	314	280	860	1230	760	376	427
27	507	350	344	300	357	314	260	850	1230	850	358	382
28	516	357	305	359	371	326	296	832	1070	900	323	382
29	507	350	310	430	399	290	344	860	1070	870	334	414
30	483	344	350	440	.....	280	320	870	1120	750	394	441
31	490	.....	392	420	.....	270	.....	950	.....	646	434	.....
Mean	456	379	348	343	361	340	302	622	1125	827	508	431
Max.	550	516	434	450	400	385	364	950	2070	1120	760	498
Min.	296	308	305	236	314	270	255	179	498	575	306	364
A.F.	28060	22540	21390	21060	20770	20930	17970	38240	66930	50820	31230	25650
Total acre-feet 365600.												

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT MITCHELL
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	156	566	587	615	594	615	447	517	94	124	133	72
2	159	559	587	608	573	587	489	461	139	115	130	72
3	167	552	594	601	580	580	503	440	236	106	124	72
4	178	538	601	615	629	552	496	440	355	97	118	72
5	178	538	594	566	622	531	496	440	629	88	109	72
6	172	524	608	503	608	545	517	392	1070	82	106	80
7	172	545	601	410	622	524	566	300	345	133	100	82
8	178	545	559	380	608	524	531	222	193	178	94	85
9	285	545	573	420	594	538	517	205	175	142	94	91
10	503	524	572	520	608	538	538	199	169	124	91	91
11	475	524	559	680	622	580	566	196	163	97	91	97
12	503	510	545	643	601	594	531	193	145	78	91	100
13	517	489	552	615	587	587	552	196	121	62	91	97
14	503	496	559	608	594	580	517	199	115	58	88	94
15	573	489	566	566	601	587	510	205	115	65	85	91
16	601	475	559	580	580	552	601	208	124	142	80	82
17	615	461	538	573	573	545	622	193	130	121	78	80
18	608	447	531	440	587	538	601	160	127	100	75	80
19	601	428	545	360	594	531	566	139	124	97	72	75
20	601	416	538	380	573	524	566	121	133	100	70	75
21	629	386	545	410	573	517	545	115	145	109	70	75
22	629	416	531	450	566	524	517	109	160	133	72	75
23	580	451	552	440	559	510	524	106	187	139	70	80
24	552	454	552	425	531	496	503	103	181	145	68	91
25	594	454	531	416	552	510	475	103	166	151	68	115
26	594	461	572	420	580	489	461	100	169	178	68	115
27	594	468	503	500	587	482	434	97	190	175	70	118
28	594	461	482	560	629	510	496	94	172	157	72	121
29	601	482	531	620	650	468	510	94	154	151	72	124
30	531	566	580	636	.....	447	517	85	139	139	72	124
31	566	.....	615	601	.....	440	.....	82	.....	151	70	124
Mean	458	492	560	521	592	534	524	210	212	121	87	90
Max.	629	566	615	680	650	615	622	517	1070	178	133	124
Min.	156	386	482	360	531	440	434	82	94	58	68	72
A.F.	28180	29300	34440	32050	34070	32820	31170	12920	12620	7410	5340	5350

Total acre-feet 265700.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT MINATARE
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	434	861	784	806	850	839	685	708	24	208	154	29
2	460	861	781	762	830	806	674	668	29	220	56	28
3	476	861	773	762	846	806	643	656	63	190	41	21
4	476	850	806	805	860	773	664	629	214	197	37	50
5	494	850	795	720	850	718	685	614	742	180	27	69
6	504	850	795	530	828	685	729	591	1570	94	26	74
7	476	850	784	530	861	696	839	546	1290	84	23	78
8	494	850	729	520	872	751	861	513	705	159	18	79
9	612	850	685	620	861	795	828	444	544	160	22	95
10	773	839	707	1030	861	817	817	428	476	108	22	164
11	861	828	718	1200	872	828	839	378	437	85	22	172
12	861	850	718	1150	839	773	784	325	370	69	24	180
13	872	828	718	960	784	762	740	280	327	43	22	197
14	861	784	751	940	751	773	718	242	265	40	19	204
15	872	740	762	920	762	817	696	226	206	55	12	204
16	883	740	762	900	740	850	762	208	177	211	11	193
17	965	707	773	820	740	850	828	194	138	191	11	168
18	883	685	762	650	740	883	828	163	90	148	11	148
19	883	622	762	580	751	861	795	145	78	136	12	140
20	883	632	740	600	773	872	751	119	66	128	12	176
21	905	664	696	670	762	872	718	95	73	170	14	243
22	940	674	696	700	773	883	685	69	125	203	17	226
23	928	685	740	670	773	839	612	56	183	169	17	254
24	872	685	795	650	751	784	612	49	203	140	16	316
25	806	685	828	640	718	762	643	40	144	132	19	330
26	817	696	872	670	762	707	643	35	140	182	27	323
27	806	729	828	750	762	707	654	31	238	337	26	325
28	861	751	740	860	817	762	850	26	246	370	32	332
29	905	751	760	940	872	773	773	24	183	362	61	361
30	916	784	784	920	.....	762	795	35	166	317	30	353
31	872	.....	795	880	.....	707	.....	26	.....	185	19	.....
Mean	761	768	763	781	802	791	738	276	317	170	28	184
Max.	940	861	872	1200	872	883	861	708	1570	370	154	361
Min.	434	622	685	520	718	685	612	24	24	40	11	21
A.F.	46790	45700	46890	48010	46130	48620	43940	16980	18870	10460	1710	10970

Total acre-feet 385100.

DEPARTMENT OF ROADS AND IRRIGATION

569

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT BRIDGEPORT
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	618	1200	1050	1310	1320	1110	919	1020	105	360	278	84
2	676	1200	1060	1220	1230	1110	906	993	98	401	169	80
3	712	1200	1090	1180	1230	1090	880	931	103	416	104	86
4	724	1180	1110	1200	1380	1080	880	880	299	414	100	85
5	736	1200	1130	1180	1320	1060	868	844	715	382	99	89
6	784	1180	1140	980	1250	1050	868	832	1250	276	81	115
7	796	1140	1130	700	1430	1010	932	796	1640	205	77	127
8	832	1130	1130	648	1150	1010	984	711	1250	132	63	127
9	1020	1130	1130	720	1050	1010	932	637	818	162	67	135
10	1110	1110	1140	900	1120	984	906	600	656	149	62	220
11	1170	1100	1140	1400	1200	984	906	528	597	109	62	263
12	1176	1090	1140	1500	1210	971	906	450	630	89	57	238
13	1220	1080	1130	1350	1150	971	932	399	570	99	64	206
14	1250	1050	1090	1300	1150	1040	919	322	456	88	58	235
15	1270	1020	1060	1260	1150	1080	906	280	351	79	55	265
16	1280	984	1040	1200	1130	1060	958	257	249	93	68	229
17	1310	984	1040	1050	1100	1010	1020	261	214	204	64	204
18	1310	971	1040	620	1090	1010	1020	220	162	242	65	156
19	1310	971	1010	520	1080	1010	997	195	102	308	70	124
20	1310	932	1050	524	1110	997	945	174	90	313	65	141
21	1310	958	1050	580	1170	997	932	172	154	398	63	196
22	1300	997	1050	660	1110	958	932	172	154	398	67	197
23	1250	1020	984	590	1100	945	996	181	214	372	89	197
24	1250	1040	945	640	997	932	833	152	235	331	73	302
25	1210	1050	997	600	984	932	893	133	224	329	69	354
26	1170	1060	1050	740	1050	945	880	117	196	322	85	389
27	1200	1050	1240	900	1080	958	868	109	233	331	82	432
28	1210	1046	664	1040	1100	1020	1090	108	314	410	81	430
29	1216	1040	724	1160	1110	971	1220	109	348	469	76	498
30	1220	1050	1210	1300	.....	958	1050	132	335	469	79	529
31	1220	.....	1490	1390	.....	919	.....	127	.....	389	86	.....
Mean	1102	1072	1073	979	1159	1007	942	414	423	281	83	222
Max.	1310	1200	1490	1560	1430	1140	1220	1020	1640	469	278	529
Min.	618	932	664	520	984	919	858	108	88	79	55	80
A.F.	67750	63780	65960	60220	66670	61910	56030	25470	25180	17310	5110	13240
Total acre-feet	528600.											

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT LISCO
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	619	1460	1270	1400	1510	1680	1000	1290	131	390	352	99
2	654	1380	1250	1300	1430	1660	1000	1210	113	467	253	88
3	702	1380	1270	1280	1500	1500	985	1140	142	526	161	92
4	738	1380	1270	1220	1520	1330	970	1080	594	489	102	117
5	763	1380	1290	1180	1530	1250	940	1020	672	390	70	113
6	776	1360	1290	850	1500	1230	325	970	1030	342	70	79
7	789	1360	1250	680	1550	1170	985	970	1720	253	56	85
8	802	1360	1270	596	1480	1090	1030	884	1790	192	58	95
9	982	1380	1330	720	1320	1150	1030	806	1180	161	51	117
10	1130	1330	1270	909	1400	1170	1040	744	732	147	33	147
11	1150	1330	1270	1100	1550	1230	1060	638	660	192	30	156
12	1210	1310	1276	1500	1600	1330	1040	540	649	208	26	186
13	1256	1270	1210	1420	1600	1330	1000	460	649	110	17	170
14	1290	1290	1190	1380	1580	1270	1020	364	583	165	16	170
15	1310	1290	1190	1320	1550	1250	1020	321	490	95	15	225
16	1230	1250	1210	1250	1490	1230	1160	296	412	73	17	239
17	1250	1230	1230	820	1420	1230	1290	384	321	76	36	220
18	1360	1190	1250	720	1420	1150	1250	278	248	102	28	198
19	1360	1150	1210	620	1450	1130	1180	248	171	192	23	161
20	1310	1130	1190	500	1500	1100	1080	232	131	274	22	156
21	1270	1110	1170	550	1400	1100	1030	218	131	314	61	181
22	1250	1090	1190	600	1320	1120	1020	189	131	314	73	274
23	1310	1110	1190	540	1300	1060	1000	171	186	288	106	225
24	1360	1110	1250	620	1306	1050	1000	136	267	314	117	246
25	1360	1090	1310	850	1320	1040	1030	127	253	295	120	352
26	1330	1090	1330	1230	1420	1040	1020	122	260	274	117	350
27	1330	1150	1310	1320	1560	1050	1000	118	239	267	110	390
28	1330	1210	660	1350	1680	1090	1060	118	239	352	110	390
29	1330	1250	820	1410	1640	1070	1550	136	342	445	106	371
30	1330	1250	1100	1470	.....	1070	1650	225	362	412	106	371
31	1310	.....	1500	1520	.....	1020	.....	195	.....	412	106	.....
Mean	1135	1256	1220	1039	1477	1200	1079	504	494	275	83	203
Max.	1360	1460	1500	1520	1680	1680	1650	1290	1790	526	352	390
Min.	619	1090	660	500	1300	1020	925	118	113	73	15	79
A.F.	69790	74720	75000	63900	84970	73770	64210	31000	29410	16920	6090	12090
Total acre-feet	600900.											

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT OSHKOSH
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	555	1320	1350	1500	1720	1830	964	1560	170	334	298	89
2	579	1300	1260	1450	1600	1800	964	1370	164	400	230	81
3	603	1300	1300	1350	1680	1630	964	1260	183	444	174	65
4	651	1230	1300	1400	1800	1420	946	1150	380	422	116	101
5	690	1190	1260	1300	1750	1390	928	1150	579	362	81	105
6	690	1260	1210	1000	1700	1350	946	1000	791	315	73	93
7	663	1280	1230	700	1850	1300	1060	1060	400	272	73	59
8	690	1370	1370	600	1750	1280	1000	928	1830	216	93	53
9	928	1190	1370	622	1500	1300	1040	820	1630	160	59	73
10	1020	1190	1320	800	1650	1210	1010	806	1020	138	47	138
11	1130	1190	1300	1000	1800	1170	1000	675	708	149	29	138
12	1130	1190	1280	1650	1750	1210	946	498	579	422	26	144
13	1190	1280	1130	1550	1650	1350	982	444	552	209	22	144
14	1230	1300	1150	1450	1580	1350	982	388	502	160	16	144
15	1320	1320	1170	1400	1550	1350	964	358	391	149	12	202
16	1300	1260	1230	1350	1540	1280	1130	350	298	101	6	202
17	1300	1260	1260	1250	1500	1260	1300	350	256	73	4	209
18	1370	1190	1230	900	1480	1230	1350	328	209	56	6	188
19	1350	1150	1130	650	1520	1170	1260	298	154	73	5	167
20	1370	1130	1130	700	1580	1150	1080	277	122	149	4	149
21	1320	1100	1150	760	1520	1130	1060	209	101	216	4	132
22	1350	1130	1230	740	1450	1150	1060	209	101	202	47	181
23	1350	1150	1150	720	1400	1100	1080	202	97	188	116	223
24	1350	1170	1190	700	1370	1080	1060	176	122	195	132	223
25	1300	1190	1280	740	1390	1060	1060	140	167	195	138	223
26	1300	1230	1350	880	1480	1060	1020	128	174	167	132	298
27	1370	1260	1400	1030	1600	1040	1040	122	195	167	122	334
28	1420	1260	640	1180	1750	1130	1100	122	174	144	138	353
29	1390	1260	700	1320	1900	1100	1230	128	209	223	122	391
30	1260	1280	1100	1550	.....	1020	1700	209	256	298	97	400
31	1320	.....	1650	1800	.....	982	.....	202	.....	298	89	.....
Mean	1113	1231	1220	1098	1615	1254	1073	546	417	222	81	176
Max.	1420	1370	1650	1800	1900	1830	1700	1560	1830	444	298	400
Min.	555	1100	640	600	1370	982	928	122	97	56	4	53
A.F.	68410	73250	75010	67520	92910	77120	63860	33550	24820	13680	4980	10450
Total acre-feet 605600.												

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT KEYSTONE
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	252	240	171	195	152
2	*	*	*	*	*	*	*	220	185	258	240	152
3	*	*	*	*	*	*	*	205	176	360	220	142
4	*	*	*	*	*	*	*	240	386	399	246	220
5	*	*	*	*	*	*	*	235	354	380	246	215
6	*	*	*	*	*	*	*	210	477	399	142	127
7	*	*	*	*	*	*	*	210	318	306	99	190
8	*	*	*	*	*	*	*	210	258	282	86	131
9	*	*	*	*	*	*	*	324	360	288	116	161
10	*	*	*	*	*	*	*	324	575	252	73	127
11	*	*	*	*	*	*	*	324	318	205	50	138
12	*	*	*	*	*	*	*	324	95	190	25	147
13	*	*	*	*	*	*	*	354	76	330	30	180
14	*	*	*	*	*	*	*	425	156	324	28	105
15	*	*	*	*	*	*	*	373	200	195	17	180
16	*	*	*	*	*	*	*	360	135	89	14	190
17	*	*	*	*	*	*	*	373	252	83	20	166
18	*	*	*	*	*	*	*	568	373	56	25	190
19	*	*	*	*	*	*	*	392	235	27	46	276
20	*	*	*	*	*	*	*	320	185	60	58	190
21	*	*	*	*	*	*	*	330	166	53	23	190
22	*	*	*	*	*	*	*	354	152	235	25	190
23	*	*	*	*	*	*	*	270	300	215	30	190
24	*	*	*	*	*	*	*	270	56	185	48	190
25	*	*	*	*	*	*	*	220	50	120	53	200
26	*	*	*	*	*	*	*	171	109	102	35	220
27	*	*	*	*	*	*	*	142	147	105	131	235
28	*	*	*	*	*	*	*	112	180	185	185	220
29	*	*	*	*	*	*	*	105	210	205	225	264
30	*	*	*	*	*	*	*	131	176	185	220	294
31	*	185	.....	185	220	.....
Mean	*	*	*	*	*	*	*	276	230	207	102	186
Max.	*	*	*	*	*	*	*	568	575	399	246	294
Min.	*	*	*	*	*	*	*	105	50	27	14	105
A.F.	*	*	*	*	*	*	*	16945	13686	12752	6290	11052
Total acre-feet 60725. *No Record.												

DEPARTMENT OF ROADS AND IRRIGATION

571

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT SUTHERLAND
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	376	3410	954	571	820	1700	232	127	11	2	2	2
2	336	1500	888	533	820	1660	127	94	33	7	1	2
3	268	1580	727	580	850	1390	163	63	22	88	1	2
4	255	1660	695	540	910	1100	186	57	69	174	1	3
5	255	1680	904	500	920	888	174	57	336	232	3	8
6	268	1740	987	470	850	759	186	134	872	255	2	7
7	255	1720	987	420	810	618	188	66	1190	209	2	5
8	376	1660	888	410	760	586	186	31	759	140	2	4
9	633	1540	823	420	700	450	174	16	618	88	1	5
10	633	1540	711	450	840	336	174	18	680	45	1	7
11	648	1580	586	456	880	232	186	17	888	6	1	2
12	807	1560	450	510	810	390	363	24	586	2	1	2
13	855	1560	363	580	900	350	435	22	120	2	1	2
14	904	1600	420	550	980	322	525	51	25	3	2	2
15	1020	1600	450	520	940	450	495	69	16	25	2	3
16	1140	1560	363	460	970	855	525	69	20	12	1	2
17	1190	1500	198	400	980	480	633	127	13	2	1	6
18	1240	1390	209	350	1000	255	791	405	8	1	1	6
19	1320	1350	390	320	1020	232	970	435	13	1	1	4
20	1320	1390	255	290	1060	163	888	244	7	0	3	6
21	1330	1390	255	310	1080	134	664	127	8	0	2	8
22	1430	1350	390	330	1080	114	586	108	6	0	2	15
23	1460	1260	405	330	1100	108	525	88	4	0	2	15
24	1500	1300	1170	320	1120	114	405	37	4	0	2	13
25	1450	1160	921	310	1210	108	420	20	4	0	2	11
26	1230	839	633	340	1280	108	465	17	3	0	2	16
27	1120	823	465	360	1320	114	435	13	2	0	2	13
28	1070	839	465	450	1450	268	390	10	3	0	2	20
29	954	904	525	600	1560	350	336	12	2	2	2	48
30	1240	921	525	730	.....	296	282	12	2	29	2	108
31	1320	.....	556	871	.....	296	.....	20	.....	5	2	.....
Mean	910	1397	599	461	1004	493	402	84	211	43	2	12
Max.	1500	1740	1170	874	1560	1700	970	435	1190	255	3	108
Min.	255	823	198	290	700	108	127	10	2	0	1	1
A.F.	55940	83120	36810	28530	57740	30300	23920	5140	12540	2640	103	686

Total acre-feet 337500.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT NORTH PLATTE
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	552	1720	1040	765	1150	1700	305	470	185	69	28	48
2	568	1770	1060	697	1020	1820	292	410	157	77	28	42
3	552	1800	926	697	1060	1750	206	327	171	86	28	45
4	490	1870	850	629	1100	1700	318	309	284	138	34	48
5	490	1770	850	580	1120	1400	331	284	470	292	37	69
6	445	1770	926	560	1050	1140	305	252	918	381	37	82
7	520	1800	926	520	980	1020	344	252	2020	400	40	90
8	648	1820	888	480	920	850	292	199	1360	363	42	86
9	907	1800	816	490	940	799	266	171	820	268	34	96
10	983	1770	765	520	1020	748	217	144	700	171	31	138
11	850	1800	664	570	1000	664	253	108	743	144	34	120
12	945	1750	600	628	990	632	194	108	784	96	40	96
13	1060	1770	552	720	1050	616	460	120	510	69	34	96
14	1170	1770	616	690	1120	600	568	114	382	65	34	96
15	1360	1800	664	650	1200	552	520	192	300	108	34	102
16	1380	1770	632	620	1130	907	520	213	206	114	34	120
17	1470	1750	552	560	1100	1170	731	276	192	90	42	90
18	1490	1700	505	529	1120	664	714	390	157	69	42	96
19	1580	1580	445	490	1140	490	1060	601	126	48	37	90
20	1680	1560	536	510	1180	445	1040	570	102	42	37	120
21	1720	1540	520	520	1180	331	869	440	138	73	40	126
22	1770	1520	505	500	1130	305	782	372	157	138	45	96
23	1800	1400	616	460	1100	253	724	336	164	108	40	102
24	1820	1430	568	450	1080	160	678	252	157	65	40	90
25	1840	1450	430	450	1100	194	580	213	144	37	40	77
26	1650	1080	490	490	1200	194	656	185	138	34	56	86
27	1450	945	430	550	1300	194	590	171	86	34	69	120
28	1360	1000	460	620	1400	217	612	114	73	31	82	120
29	1320	1020	490	750	1550	279	520	150	65	31	77	114
30	1430	1020	415	840	.....	331	490	213	69	26	65	206
31	1700	.....	568	980	.....	344	.....	199	.....	31	56	.....
Mean	1194	1585	655	597	1118	724	515	263	393	119	43	97
Max.	1840	1870	1060	980	1550	1820	1060	601	2020	400	82	206
Min.	445	945	415	450	920	160	194	108	65	26	28	42
A.F.	73390	94300	40270	36690	64320	44510	30620	16180	23370	7330	2610	5770

Total acre-feet 439400.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT JULESBURG, COLORADO
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	58	61	97	150	267	130	53	41	24	20	15
2	30	55	80	106	139	302	111	52	39	26	19	15
3	35	52	92	110	192	302	105	48	40	24	18	15
4	36	55	94	68	188	286	89	46	41	23	19	18
5	34	55	96	30	193	253	87	43	40	23	18	19
6	36	53	81	60	227	238	68	42	46	23	18	19
7	34	57	61	122	276	250	72	39	140	22	15	19
8	57	56	58	131	289	256	71	38	99	22	18	19
9	46	54	58	136	284	294	65	38	84	22	18	18
10	43	52	55	155	299	301	61	33	78	22	17	19
11	48	55	54	144	305	296	61	30	60	24	17	20
12	51	52	53	117	311	294	69	36	55	27	18	20
13	49	51	52	112	312	306	66	38	55	23	18	19
14	50	50	55	86	303	325	64	40	52	21	18	18
15	51	49	56	81	282	334	61	35	44	22	19	17
16	52	49	58	102	270	343	56	38	37	21	22	17
17	55	53	56	110	286	336	62	42	35	22	23	18
18	54	53	54	93	310	318	59	41	31	21	24	18
19	55	51	53	96	334	277	58	44	30	21	21	19
20	55	53	52	97	311	264	57	44	32	21	20	18
21	56	53	48	117	299	269	53	45	30	22	19	18
22	57	52	46	117	296	266	52	41	30	21	18	18
23	59	52	55	112	294	260	52	40	29	21	17	20
24	61	52	77	98	278	263	53	39	28	20	17	21
25	60	51	79	101	288	255	51	39	27	20	19	21
26	57	51	71	95	286	231	50	44	27	20	18	22
27	57	53	71	100	278	213	49	44	27	22	17	23
28	57	55	72	118	266	208	48	47	27	22	16	22
29	57	54	77	161	254	187	51	43	27	22	17	23
30	57	55	85	176	.....	163	50	42	23	22	15	23
31	59	.....	94	196	.....	141	.....	41	.....	22	15	20
Mean	49	53	66	111	269	268	66	41	45	22	18	19
Max.	61	58	96	196	334	343	130	53	140	27	24	23
Min.	30	49	46	30	139	141	48	30	23	20	15	15
A.F.	3010	3160	4070	6830	15470	16460	3930	2550	2690	1360	1130	1130

Total acre-feet 61790.

Record furnished by the State of Colorado.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT PAXTON
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.0	21	29	34	123	303	204	70	30	14	7.0	10
2	5.6	21	30	34	141	309	196	72	27	15	4.5	6.6
3	7.8	21	32	36	168	321	180	65	27	16	4.1	4.5
4	5.9	21	34	36	204	315	175	65	49	16	4.0	4.5
5	5.3	21	36	36	256	315	175	63	68	14	3.6	6.2
6	5.3	22	39	36	333	303	168	61	105	12	3.2	7.3
7	5.0	22	41	36	442	303	151	58	242	12	2.9	5.6
8	5.3	21	45	36	416	303	140	52	200	10	2.6	3.6
9	9.2	21	48	36	404	303	135	51	135	10	2.2	2.7
10	12	22	48	36	416	315	126	49	115	10	2.4	3.1
11	11	22	46	36	397	315	124	47	99	51	2.6	3.4
12	17	22	40	36	397	315	118	49	87	34	2.6	2.7
13	16	23	41	36	371	315	120	49	76	46	2.9	2.6
14	17	24	39	36	352	315	118	46	70	59	2.9	2.1
15	16	25	36	36	339	315	115	40	61	52	2.6	2.0
16	16	26	34	36	327	315	111	40	52	39	2.1	1.6
17	18	26	32	36	339	321	109	65	44	33	1.6	1.2
18	18	26	33	36	315	327	99	80	37	29	1.8	.9
19	15	26	34	32	315	333	91	78	33	24	2.0	.8
20	16	27	34	30	303	327	83	70	30	20	1.6	.7
21	21	27	34	32	303	321	95	68	29	16	1.5	.5
22	21	26	34	32	303	315	74	65	27	16	2.0	.3
23	21	27	34	34	291	303	72	56	27	15	2.1	.2
24	19	27	34	32	291	303	68	51	24	12	2.1	.2
25	19	27	32	30	297	309	72	49	23	12	2.4	.2
26	19	26	32	32	303	315	76	44	22	9.5	2.2	.1
27	22	26	32	34	303	327	70	40	21	8.0	2.4	.1
28	20	27	32	44	297	327	70	39	20	7.0	2.4	.1
29	20	28	30	72	303	327	67	36	17	6.2	3.4	.1
30	20	29	30	118	.....	227	68	36	14	5.9	2.4	.2
31	19	.....	32	120	.....	208	.....	34	.....	8.0	1.9	.....
Mean	14.5	24	36	42	312	312	116	54	60	20.4	4.0	2.5
Max.	22	29	48	129	442	333	204	80	242	59	24	10
Min.	5.0	21	29	30	123	208	67	34	14	5.9	1.5	.1
A.F.	891	1450	2200	2550	17950	19180	6880	3350	3590	1250	243	147

Total acre-feet 59680.

DEPARTMENT OF ROADS AND IRRIGATION

573

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT NORTH PLATTE

Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56	61	53	56	175	350	378	130	90	48	30	26
2	53	61	56	53	181	385	338	132	83	50	20	25
3	50	64	61	58	180	350	279	138	74	50	20	25
4	50	64	61	75	184	326	238	135	95	47	22	27
5	53	58	70	88	217	320	211	124	98	45	26	31
6	45	56	70	88	235	332	222	119	211	45	28	34
7	45	53	67	88	357	326	246	130	316	41	27	32
8	53	48	67	107	338	302	238	127	466	40	28	30
9	81	43	67	117	320	290	230	119	466	38	27	30
10	78	38	67	128	413	285	211	114	369	38	27	35
11	72	46	70	117	492	326	197	112	288	40	28	34
12	70	40	72	114	600	392	186	107	226	38	30	34
13	70	40	75	163	545	378	186	105	204	38	31	34
14	64	46	70	202	476	357	179	160	169	38	29	32
15	58	43	78	220	406	399	172	98	132	81	24	32
16	53	50	78	240	371	385	166	98	117	71	22	32
17	45	58	75	154	357	371	183	112	107	60	24	31
18	50	58	72	290	357	371	176	152	100	50	23	30
19	53	58	88	200	344	371	155	179	86	44	22	29
20	48	56	94	170	280	371	149	176	78	42	20	28
21	45	53	124	170	260	385	149	166	74	40	20	29
22	45	56	122	230	338	371	155	159	71	37	21	30
23	48	61	132	250	314	364	155	149	65	36	23	31
24	50	61	150	290	350	364	144	135	60	32	22	34
25	53	61	58	320	350	332	135	124	56	27	24	31
26	61	64	33	320	344	296	130	119	55	24	28	35
27	58	64	38	220	344	285	146	117	53	24	29	36
28	50	70	36	110	326	338	152	114	48	25	30	37
29	48	67	23	120	332	420	127	110	48	26	27	38
30	48	61	31	202	.....	428	124	110	48	26	28	47
31	56	.....	50	188	.....	413	.....	102	.....	28	27	.....
Mean	55	55	71	166	340	354	192	126	145	41	25	32
Max.	81	70	150	320	600	428	378	179	466	81	31	47
Min.	45	38	23	53	175	285	124	98	48	24	20	25
A.F.	3390	3270	4390	10210	19570	21780	11420	7760	8630	2520	1560	1910

Total acre-feet 96410.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT BRADY

Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	439	1400	1570	980	1410	2594	1688	1135	242	134	622	65
2	464	1670	1388	930	1502	2320	1547	1073	241	289	590	68
3	480	2030	1271	970	1430	2201	1346	1074	245	303	570	62
4	480	2060	1178	1070	1530	2078	1214	1259	331	286	461	65
5	472	2100	1203	1165	1630	1971	1244	1452	363	322	541	78
6	455	1990	1252	1095	1680	1856	1193	1117	868	468	439	97
7	464	1889	1331	955	1600	1808	1093	1446	2285	488	369	104
8	515	1864	1329	935	1630	1438	1022	1554	3165	506	338	104
9	674	1872	1236	1020	1630	1252	1071	1303	1814	509	171	108
10	885	1800	1162	1060	1730	1086	1314	1322	1521	435	137	119
11	935	1844	1109	1020	1980	933	1253	931	1253	515	140	138
12	872	1848	1035	1000	1730	1070	1010	693	1078	473	143	138
13	1020	1693	895	1195	2030	1319	988	582	929	394	142	107
14	1110	1588	930	1195	1985	1260	1610	489	650	356	81	119
15	1220	1618	891	1095	2032	1786	945	374	521	351	60	119
16	1330	1700	982	1015	2036	1935	871	423	491	389	60	134
17	1470	1760	927	955	1766	2241	977	412	355	505	51	127
18	1620	1786	886	955	1769	1268	1386	426	305	517	46	115
19	1620	1751	867	1000	1812	1416	1297	513	257	601	48	100
20	1470	1715	1010	1000	1962	1245	1858	680	239	584	38	100
21	1280	1745	1208	1020	1866	1213	1749	628	208	598	35	111
22	1400	1715	1379	1070	1771	1122	1661	549	291	733	43	123
23	1470	1715	1359	1070	1663	1241	1611	529	290	883	43	134
24	1560	1664	1309	1125	1541	1009	1549	484	220	848	40	185
25	1700	1688	1210	1205	1323	1031	1419	384	191	845	43	127
26	1620	1853	1132	1225	1553	1210	1369	330	181	755	48	127
27	1250	1278	1134	1175	1801	1041	1288	299	160	758	100	146
28	1030	1190	1058	1175	2058	1382	1844	264	123	743	68	172
29	977	1258	825	1240	2523	1856	1407	217	94	668	68	185
30	848	1390	890	1280	.....	2156	1424	217	94	667	71	234
31	1090	.....	1015	1330	.....	1887	.....	242	.....	646	65	.....
Mean	1039	1716	1128	1081	1758	1556	1322	723	629	536	183	120
Max.	1700	2100	1570	1330	2523	2594	1858	1554	3165	883	622	234
Min.	439	1190	825	930	1323	933	871	217	94	134	35	62
A.F.	63910	102100	69340	66500	101100	95670	78640	44430	37420	32960	11250	7160

Total acre-feet 710480.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT COZAD
Year Ending September 30, 1910

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	133	693	950	1250	2280	1196	810	223	1	10	5
2	3	278	1010	950	1300	2610	1179	584	220	3	7	5
3	2	371	934	950	1300	2360	1094	467	216	2	7	3
4	2	400	917	1050	1300	2069	980	415	308	2	7	1
5	1	648	858	1100	1350	2053	935	574	282	3	7	0
6	2	661	774	1100	1500	1985	940	508	380	64	8	0
7	3	415	727	1000	1550	1958	951	345	2870	82	8	0
8	11	430	728	950	1600	1914	961	412	3430	5	7	0
9	12	368	704	1000	1700	1890	956	352	3320	8	7	0
10	16	371	617	1050	1800	1801	952	274	1389	9	7	0
11	222	343	552	1000	1800	1583	947	250	912	111	6	0
12	826	359	547	1100	1800	1469	971	146	766	192	5	0
13	941	398	519	1150	1900	1972	953	64	759	57	6	0
14	1090	421	555	1050	1900	1960	942	23	662	15	4	0
15	1213	469	584	1000	1900	1960	946	34	448	13	4	0
16	929	512	658	1000	1950	1712	928	56	266	21	4	0
17	583	507	735	1000	1900	1382	925	317	181	64	3	0
18	573	551	716	1000	1900	1308	993	432	99	44	3	0
19	723	508	545	1000	1900	1277	1021	341	101	31	3	0
20	730	478	572	1000	1900	1267	1007	291	165	6	3	0
21	600	498	712	1020	1900	1179	1025	318	151	67	3	1
22	409	542	1123	1020	1900	1139	1010	279	151	68	3	1
23	415	597	1459	1070	1800	1090	985	206	159	66	3	2
24	426	561	1750	1070	1650	1050	917	177	162	6	3	4
25	456	435	1430	1150	1650	980	858	136	156	5	4	4
26	508	450	1080	1200	1770	966	812	84	83	10	4	3
27	416	579	1050	1150	1710	977	752	86	7	11	3	5
28	191	447	1040	1150	1920	967	710	284	6	7	5	3
29	114	513	1000	1150	2130	1069	756	267	2	8	5	3
30	95	529	950	1150	.....	1202	692	236	0	8	5	7
31	82	.....	950	1150	.....	1228	.....	226	.....	7	5	.....
Mean	374	459	854	1054	1722	1570	944	290	596	32	5	2
Max.	1090	648	1750	1200	2130	2610	1196	810	3430	192	10	7
Min.	1	133	519	950	1250	966	692	23	0	1	3	0
A.F.	23000	27320	52540	64820	99040	96510	56180	17840	35450	1980	316	94

Total acre-feet 475090.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT OVERTON
Year Ending September 30, 1910

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	31	545	694	1250	5680	1350	375	133	0	0	0
2	0	20	611	1020	1410	6320	1020	288	252	0	0	0
3	0	142	960	1280	1360	7200	786	218	194	0	0	0
4	0	288	980	1200	1300	4490	710	172	151	0	0	0
5	0	312	1000	1120	1280	2920	660	151	218	0	0	0
6	0	375	940	1030	1200	2600	562	183	252	0	0	0
7	0	388	881	930	1180	2280	881	206	516	0	0	0
8	0	300	767	820	1200	1950	644	124	2830	0	0	0
9	0	300	748	700	1250	1980	458	429	5300	0	0	0
10	0	288	694	790	1400	1690	472	414	4380	0	0	0
11	0	300	630	850	1550	1380	472	312	1800	0	0	0
12	0	312	570	880	1750	1350	594	288	920	0	0	0
13	0	312	500	1000	1700	2740	545	252	786	1	0	0
14	0	312	520	1150	1600	2280	429	133	694	6	3	0
15	91	325	560	960	1700	3410	275	14	562	3	0	0
16	516	338	580	782	1800	4150	325	4	362	0	0	0
17	545	388	560	720	1900	2830	414	36	194	0	0	0
18	530	400	480	690	2100	1800	360	530	133	0	0	0
19	516	414	414	730	1800	1326	400	487	59	0	0	0
20	530	429	444	780	1700	1150	487	490	48	0	0	0
21	516	414	229	800	1650	1120	429	325	79	0	0	0
22	429	388	194	806	1700	1000	758	350	48	0	0	0
23	325	444	530	790	1750	920	843	275	59	0	0	0
24	312	502	843	850	1980	767	502	194	53	0	0	0
25	325	502	862	900	2280	786	375	106	53	0	0	8
26	362	472	1150	830	2460	644	388	88	53	0	0	4
27	388	429	1600	820	2330	660	429	42	31	0	0	10
28	325	487	1250	880	3830	881	429	5	3	0	0	3
29	252	487	1050	930	4270	1020	444	115	2	0	0	1
30	97	472	940	1000	.....	1200	472	218	1	3	1	0
31	48	.....	729	1150	.....	1410	.....	194	.....	0	0	.....
Mean	197	352	734	899	1817	2272	555	223	672	0.4	0	1
Max.	545	502	1600	1280	4270	7200	1350	530	5300	6	3	10
Min.	0	20	194	690	1180	644	275	4	0	0	0	0
A.F.	12110	20970	46150	55290	104500	139700	33410	13740	39990	26	8	52

Total acre-feet 464950.

DEPARTMENT OF ROADS AND IRRIGATION

575

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT ODESSA
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	2	470	1000	4600	890	40	0	0	0	0
2	0	0	1	800	1180	5220	598	21	0	0	0	0
3	0	0	210	1040	1120	6260	478	10	0	0	0	0
4	0	0	562	1000	1070	5620	326	5	0	0	0	0
5	0	0	586	900	1240	3510	200	3	0	0	0	0
6	0	0	526	820	960	2910	114	2	0	0	0	0
7	0	0	430	720	940	2420	200	2	0	0	0	0
8	0	0	271	600	950	1900	240	1	475	0	0	0
9	0	0	210	500	1000	1680	68	0	2740	0	0	0
10	0	0	210	520	1140	1550	42	0	3690	0	0	0
11	0	0	293	650	1280	1470	24	0	1940	0	0	0
12	0	0	260	650	1480	1420	29	0	860	1	0	0
13	0	0	120	750	1440	1740	42	0	478	0	0	0
14	0	0	76	930	1340	2070	32	0	326	0	0	0
15	0	0	101	740	1450	2320	20	0	260	0	0	0
16	0	0	120	500	1540	3620	14	0	50	0	0	0
17	0	0	94	550	1640	2700	14	0	17	0	0	0
18	0	0	120	500	1850	1630	13	0	11	0	0	0
19	0	0	107	510	1550	1240	11	0	5	0	0	0
20	0	0	210	560	1170	821	13	0	0	0	0	0
21	0	0	514	586	1450	847	29	0	0	0	0	0
22	0	0	466	580	1510	834	45	0	0	0	0	0
23	2	0	875	570	1550	821	230	0	0	0	0	0
24	0	0	1180	630	1780	743	260	0	0	0	0	0
25	0	4	1160	680	2100	743	160	0	0	0	0	0
26	0	47	1250	610	2200	682	127	0	0	0	0	0
27	0	10	1400	600	2150	598	81	0	0	0	0	0
28	0	10	860	650	3600	730	50	0	0	0	0	0
29	0	68	720	700	4000	718	59	0	0	0	0	0
30	0	13	740	770	.....	743	45	0	0	0	0	0
31	0	.....	700	910	.....	875	.....	0	.....	0	0	.....
Mean	0	5	464	675	1590	2033	148	3	362	0	0	0
Max.	2	68	1400	1040	4000	6260	890	40	3690	1	0	0
Min.	0	0	1	470	940	598	11	0	0	0	0	0
A.F.	4	300	28510	41630	91200	125030	8830	167	21525	2	0	0

Total acre-feet 317198.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT GRAND ISLAND
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	15	0	480	4250	911	494	2	0	0	0
2	0	0	15	100	360	4700	1060	397	0	0	0	0
3	0	0	16	140	350	5400	911	397	0	0	0	0
4	0	0	18	150	350	6600	662	364	0	0	0	0
5	0	0	27	100	370	7000	662	252	0	0	0	0
6	0	0	30	110	392	4920	700	180	0	0	0	0
7	0	0	30	120	430	3320	586	148	0	0	0	0
8	0	0	36	132	450	2890	567	131	0	0	0	0
9	0	0	39	140	400	2680	510	103	0	0	0	0
10	0	0	57	160	450	2350	445	83	0	0	0	0
11	0	0	103	170	600	1980	380	61	1560	0	0	0
12	0	0	114	170	900	1620	324	52	2840	0	0	0
13	0	0	109	175	1300	890	264	79	1720	0	0	0
14	0	0	131	185	1700	738	276	276	953	0	0	0
15	0	0	142	200	2200	1040	288	148	461	0	0	0
16	0	0	142	220	2600	1620	288	88	252	0	0	0
17	0	0	126	150	3020	3050	397	57	196	0	0	0
18	0	0	120	140	2950	2760	312	45	148	0	0	0
19	0	0	142	150	2900	1780	300	36	70	0	0	0
20	0	0	95	170	2820	1370	276	30	8	0	0	0
21	0	0	100	230	2700	1160	276	30	1	0	0	0
22	0	0	100	220	2500	1080	348	33	0	0	0	0
23	0	0	85	210	2450	911	429	27	0	0	0	0
24	0	0	70	201	2450	795	548	24	0	0	0	0
25	0	0	39	200	2600	833	814	18	0	0	0	0
26	0	1	24	210	2900	890	852	15	0	0	0	0
27	0	8	12	240	3100	814	852	13	0	0	0	0
28	0	13	2	300	3400	890	911	12	0	0	0	0
29	0	13	1	350	3650	719	871	10	0	0	0	0
30	0	15	0	450	.....	911	681	7	0	0	0	0
31	0	.....	0	500	.....	871	.....	5	.....	0	0	.....
Mean	0	2	63	193	1751	2285	557	117	274	0	0	0
Max.	0	15	142	500	3650	7000	1060	494	2840	0	0	0
Min.	0	0	0	0	350	719	264	5	0	0	0	0
A.F.	0	99	3850	11890	100700	140500	33130	7170	16290	0	0	0

Total acre-feet 313600.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT DUNCAN
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	7	0	250	4300	1140	500	10	2	8	0
2	0	0	2	0	260	4500	974	396	4	1	4	0
3	0	0	3	1	192	5800	878	366	2	2	5	0
4	0	0	2	1	180	6800	938	266	2	6	2	0
5	0	0	3	1	190	8000	974	242	2	6	5	0
6	0	0	3	1	200	9500	860	234	16	5	5	0
7	0	0	3	1	230	6050	785	454	38	4	2	0
8	0	0	4	1	230	3780	770	282	40	5	0	0
9	0	0	6	1	230	3260	770	210	82	6	0	0
10	0	0	8	1	250	2900	644	161	102	7	0	0
11	0	0	9	1	290	2100	630	129	50	6	0	0
12	0	0	8	1	400	1500	552	91	28	3	6	0
13	0	0	6	1	700	800	500	68	1930	2	20	0
14	0	0	7	1	900	730	466	226	1970	2	22	0
15	0	0	8	1	1050	750	408	274	1400	1	13	0
16	0	0	8	1	2000	1100	328	274	830	0	10	0
17	0	0	8	1	2500	2140	338	210	526	0	8	0
18	0	0	9	1	2700	3700	366	161	338	0	6	0
19	0	0	7	1	2660	3540	408	113	226	0	3	0
20	0	0	7	1	2480	2460	356	79	282	0	2	0
21	0	0	7	1	2480	1810	318	54	175	0	2	0
22	0	0	6	1	2350	1540	309	36	72	8	2	0
23	0	0	5	1	2300	1210	258	31	33	2	1	0
24	0	0	3	1	2300	1010	318	28	19	0	0	0
25	0	0	2	1	2400	1230	477	40	10	0	0	0
26	0	0	2	2	2550	1140	617	43	6	0	0	0
27	0	0	1	9	2800	1010	756	33	5	0	0	0
28	0	0	1	16	3100	974	800	25	3	0	1	0
29	0	5	1	30	3790	1080	672	23	2	10	1	0
30	0	6	0	50	.....	1010	604	18	2	7	0	0
31	0	.....	0	210	.....	1060	.....	11	.....	7	0	.....
Mean	0	0.4	5	11	1442	2799	607	164	274	3	4	0
Max.	0	6	9	210	3700	9500	1140	500	1970	10	22	0
Min.	0	0	0	0	180	730	258	11	2	0	0	0
A.F.	0	22	290	674	82970	172100	36130	10070	16270	182	254	0

Total acre-feet 319000.

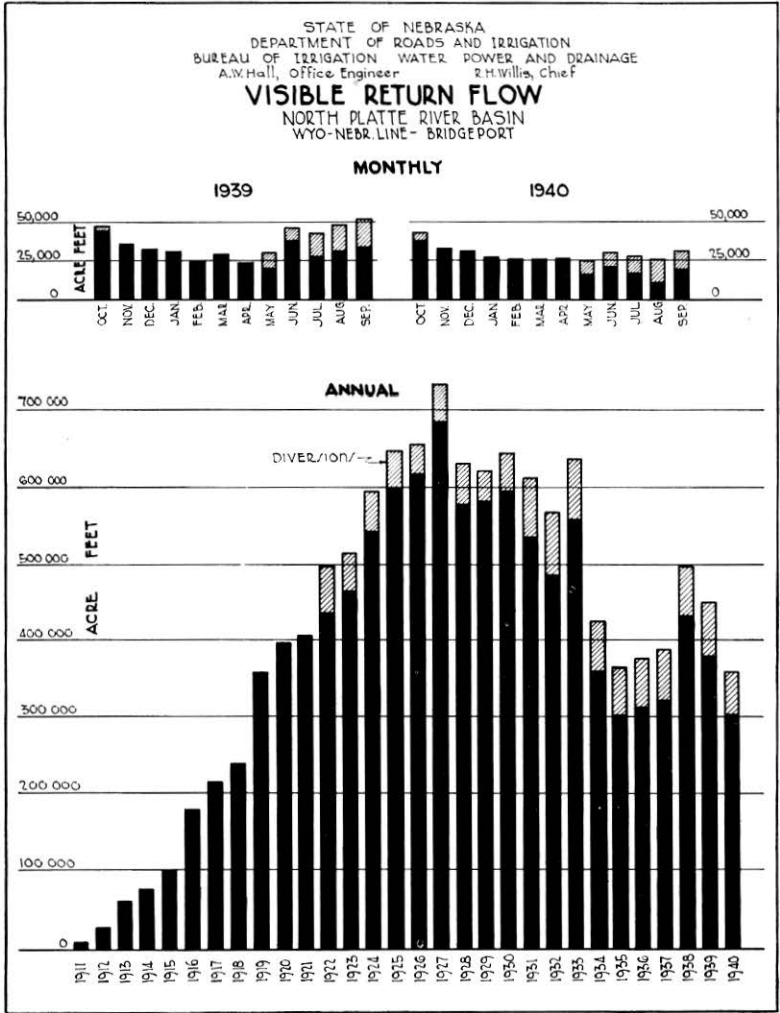
DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT ASHLAND
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1580	2080	2330	700	1420	3800	4670	4350	1270	2470	890	700
2	1390	1740	1920	720	1440	4000	4320	4850	1900	2270	826	700
3	1270	1870	2330	749	1400	4250	4530	4490	1700	1800	1520	958
4	1370	1920	2300	810	1500	4600	3760	3560	1560	1470	2620	858
5	1560	1600	2270	800	1550	5000	3270	3730	10200	1490	1900	826
6	1310	2080	2390	850	1600	5600	3430	2960	14900	1310	2030	874
7	975	2220	2360	950	1650	7500	3870	2680	18400	1080	1630	858
8	907	2166	2110	1010	1550	11500	4350	5440	28800	1190	1520	858
9	890	1840	2270	1100	1400	13200	3760	8170	23600	1350	1490	958
10	1030	1820	2030	1180	1500	8470	4350	4890	22900	1270	1350	762
11	1030	1806	2220	1250	1750	6560	3830	3470	13400	1390	1230	1120
12	1330	1540	2060	1300	2150	5810	2990	2530	9960	1040	1040	890
13	1290	2030	2440	1450	2350	4500	2560	2390	7380	778	1290	700
14	1770	2030	2330	1600	2500	2800	3400	2190	5970	762	2160	463
15	2330	1770	2250	1700	2600	2860	3210	2800	6010	874	3210	1080
16	1700	1770	2440	1750	2850	3930	2770	3210	5440	746	3340	975
17	1370	1920	2920	1650	2800	6760	2890	3050	5000	907	3140	907
18	1520	2030	2920	1500	3000	9720	2440	3240	3630	907	2330	890
19	2250	2110	2740	1600	3100	7430	2080	3080	3110	890	1800	858
20	1350	1970	2620	1700	3200	6970	2190	2770	2590	941	1330	715
21	1470	1900	2100	1650	3150	5890	2800	2250	2500	1060	1290	746
22	1490	1800	2150	1740	3000	5550	3800	2000	5000	685	1010	975
23	1800	2030	1900	1500	2850	5180	3270	2190	4560	610	958	1190
24	1650	2080	1850	1250	2700	4380	2830	2060	6080	567	794	1060
25	1700	1820	1800	1150	2650	4320	3240	2080	4920	554	1010	874
26	1580	2190	1900	1150	2800	4350	4600	1720	3730	541	1330	858
27	1520	1920	1200	1200	3100	4180	4600	1770	2650	890	1140	958
28	1580	1740	750	1250	3300	3970	4640	1370	2920	625	1720	1030
29	1490	2110	630	1300	3500	4040	4420	2030	2560	515	1120	1060
30	1520	2560	650	1350	.....	4180	4490	1740	2330	476	874	1230
31	1560	.....	680	1400	.....	5590	.....	1470	.....	554	762	.....
Mean	1470	1948	2028	1268	2357	5706	3579	3049	7499	1033	1569	898
Max.	2330	2560	2920	1750	3500	13200	4670	8170	28800	2470	3340	1230
Min.	890	1540	630	700	1400	2800	2080	1370	1270	476	762	463
A.F.	90410	115900	124700	77970	135600	350900	212900	187500	446200	63490	96500	53420

Total acre-feet 1955000.

VISIBLE RETURN FLOW, IN ACRE-FEET, BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
For the Year Ending September 30, 1939

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total
Bald Drain	236	270	147	194	56	75	67	163	534	605	254	248	2849
Bayard Sugar Factory Drain	3180	2650	2320	2150	1740	2050	1780	567	1320	1320	2420	2560	24057
Castle Rock Seep.....	36	28	40	42	56	61	18	54	63	61	63	34	556
Cleveland Drain	369	95	61	24	24	67	67	341	502	387	377	460	2774
DeGraw Drain	391	278	224	184	127	206	198	93	168	135	97	188	2289
Dugout, Upper	579	607	333	145	79	115	91	286	1238	238	301	488	4500
Fairfield Seep	22	20	0	0	0	12	6	61	73	56	143	107	500
Fanning Seep	353	298	224	141	32	143	119	107	172	99	159	180	2027
Gering Drain	2370	1970	1760	1510	1320	1600	1290	1880	3040	2040	1930	1820	22530
Horse Creek	3570	2140	1420	1290	857	1780	1010	1750	4340	2600	2670	2340	25767
Indian Creek	1010	516	438	331	206	349	337	383	557	494	654	672	5947
Lane Drain	202	188	153	121	85	93	73	71	188	220	182	248	1824
Melbeta Drain	202	174	170	157	111	123	145	71	250	6	0	36	1445
Mitchell Spillway	250	500	200	1300	1500	700	400	0	30	0	0	0	4880
Nine Mile Drain	8240	6980	6680	6030	4930	5350	4610	5470	8020	7370	8280	8980	80940
Red Willow Drain	6640	5670	4990	4330	3630	4000	3310	2460	4880	3800	3340	4440	51490
Scottsbluff Drain No. 1.....	641	623	605	563	456	331	363	403	303	718	740	708	6454
Scottsbluff Drain No. 2.....	470	383	200	163	123	196	161	234	589	361	494	504	3678
Sheep Creek	4770	4050	4140	4110	3330	3800	3420	1390	614	649	847	743	31863
Spotted Tail, Dry.....	2356	1706	1722	1658	1230	2003	1027	1555	2594	2170	1563	1620	21204
Spotted Tail, Wet.....	1029	1130	1105	964	591	835	710	1166	1363	1115	1063	920	11991
Toohey Spillway	20	300	180	250	120	100	750	0	0	0	0	0	1720
Tub Springs	3854	3054	2709	2311	1765	1716	1569	1146	4199	831	855	2852	26861
Winters Creek	5190	3630	3700	3610	2970	3030	2660	1410	3620	3000	4070	4730	41620
Total.....	45980	37260	33521	31578	25338	28735	24181	21061	38457	28275	30502	34878	379766



VISIBLE RETURN FLOW, IN ACRE-FEET, BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
For the Year Ending September 30, 1949

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total
Bald Drain	91	129	182	123	58	109	137	105	174	165	67	60	1400
Bayard Sugar Factory Drain	3070	2490	2240	2070	2000	2000	1740	637	1120	1130	857	805	20159
Castle Rock Seep.....	24	30	40	30	32	30	42	36	60	32	40	84	480
Cleveland Drain	230	63	61	61	58	61	105	331	641	238	143	383	2375
DeGraw Drain	307	303	307	226	298	303	206	155	60	75	69	60	2369
Dugout, Upper	450	307	244	184	153	95	60	89	125	52	46	95	1900
Fairfield Seep	30	0	0	0	0	54	24	71	65	27	57	45	373
Fanning Seep	276	238	190	153	115	178	149	109	143	121	93	149	1914
Gering Drain	1860	2000	2060	1650	1540	1500	1530	1380	1520	817	474	958	17289
Horse Creek	2230	1670	1320	1000	1290	1100	1130	558	616	771	364	1110	13159
Indian Creek	547	555	383	369	345	260	246	192	121	161	75	101	3355
Lane Drain	174	119	111	61	58	62	38	38	59	69	0	0	789
Melbeta Drain	100	140	120	120	100	100	120	105	303	24	0	0	1232
Mitchell Spillway	30	0	0	20	30	350	250	178	238	0	0	0	1096
Nine Mile Drain.....	8270	6640	6190	5790	5090	5120	4770	4580	6170	5910	5160	5850	69540
Red Willow Drain.....	7280	5830	5530	4290	3690	3370	2920	2290	3770	3020	1790	2130	45910
Scottsbluff Drain No. 1.....	512	532	530	442	410	385	327	258	171	317	601	775	5260
Scottsbluff Drain No. 2.....	448	280	246	232	186	204	210	159	300	377	305	424	3371
Sheep Creek	1380	4230	3960	3740	3390	3520	3410	1030	1150	334	156	230	26530
Spotted Tail, Dry.....	1736	1369	1496	1424	1265	1311	1380	1252	988	621	329	405	13576
Spotted Tail, Wet.....	1077	982	960	972	863	890	803	748	912	760	662	811	10440
Toohy Spillway	150	210	220	150	600	900	850	160	0	0	0	0	3240
Tub Springs	3000	1300	1800	2100	2000	1900	1650	1302	1803	1724	288	2883	21750
Winters Creek	4990	3740	3820	3560	3190	2070	2740	1750	2090	2240	1130	3290	35610
Total.....	38262	33157	32010	28767	26761	26872	24837	17513	22599	18985	12706	20648	303117

DEPARTMENT OF ROADS AND IRRIGATION

VISIBLE RETURN FLOW, IN ACRE-FEET, BETWEEN BRIDGEPORT AND NORTH PLATTE

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total
For the Year Ending September 30, 1939													
Keith-Lincoln Co. Drain*....	20	20	15	10	10	30	30	40	30	10	0	0	215
Lewellen Drain*	50	50	40	20	30	60	60	60	50	20	10	10	460
Lincoln Co. Drain No. 1.....	3261	3058	2932	2775	2392	2519	2513	3332	4251	4165	4146	3826	39110
Lincoln Co. Drain No. 2.....	184	178	151	123	111	123	119	123	131	123	149	127	642
Plum Creek	123	119	69	0	28	61	60	61	79	61	32	79	772
Sarben Slough	61	99	61	85	81	125	143	127	85	81	107	79	1134
Silvernail Drain	450	370	370	320	250	300	268	553	1392	678	420	557	5928
Scout Creek	770	280	150	90	50	100	180	1160	1020	200	200	400	4600
Total.....	4859	4174	3788	3423	2952	3318	3373	5456	7038	5338	5064	5078	53861
For the Year Ending September 30, 1940													
Keith-Lincoln Co. Drain*....	40	30	30	30	20	30	40	40	30	10	10	10	320
Lewellen Drain*	30	20	10	10	10	20	20	40	30	10	0	0	200
Lincoln Co. Drain No. 1.....	4114	2777	2277	2152	2083	2152	1888	2505	3187	2338	2007	2390	29870
Lincoln Co. Drain No. 2.....	204	178	143	123	133	184	178	200	178	184	133	75	1913
Plum Creek	123	119	123	135	115	133	133	97	83	36	14	26	1137
Sarben Slough	99	60	121	83	80	99	192	123	117	89	60	75	1198
Silvernail Drain	430	357	369	369	288	367	238	232	214	188	226	210	3428
Scout Creek	506	200	150	100	60	90	100	230	180	90	40	30	1770
Total.....	5540	3741	3223	3002	2789	3015	2789	3467	4019	2945	2490	2816	39836

*Estimated

SUMMARY OF VISIBLE RETURN FLOW, IN ACRE-FEET, BETWEEN WYOMING-NEBRASKA LINE AND NORTH PLATTE

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total
For the Year Ending September 30, 1939													
Wyoming-Nebraska Line to Bridgeport	45980	37260	33521	31578	25338	28735	24181	21061	38457	28275	30502	34878	379766
Bridgeport to North Platte	4859	4174	3788	3423	2952	3318	3373	5456	7038	5338	5064	5078	53861
Grand Total.....	50839	41434	37309	35001	28290	32053	27554	26517	45495	33613	35566	39956	433627
For the Year Ending September 30, 1940													
Wyoming-Nebraska Line to Bridgeport	38262	33157	32010	28767	26872	26872	24837	17513	22599	18985	12706	20648	303117
Bridgeport to North Platte	5540	3741	3223	3002	2789	3015	2789	3467	4019	2945	2490	2816	39836
Grand Total.....	43802	36898	35233	31769	29550	29887	27626	20980	26618	21930	15196	23464	342953

DIVERSIONS IN ACRE-FEET FROM RETURN FLOW BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

For the Year Ending September 30, 1939.

	Oct.	May	June	July	Aug.	Sept.	Total
Tri-State Canal from:—							
Akers Draw	172	486	605	662	762	781	3468
Sheep Creek	712	1940	3051	3447	3894	4330	17374
Dry Spotted Tail	0	0	0	540	1662	1587	3789
Wet Spotted Tail	355	434	972	799	1291	1571	5422
Tub Springs	297	768	254	1759	2178	2053	7309
Alliance Drain	286	119	0	405	688	734	2232
Moffat Drain	0	0	0	0	0	0	0
Enterprise Canal from:—							
Stewart and Morrill Drains.....	*	44	115	103	145	190	597
Dry Spotted Tail	0	0	0	0	0	0	0
Wet Spotted Tail	*	353	518	492	579	615	2557
Tub Springs	*	569	147	1456	1563	385	4120
Winters Creek	*	93	135	170	301	256	955
Winters Creek Canal from:—							
Winters Creek	0	2025	1492	2118	2406	2398	10439
Minatare Drain	*	61	0	337	288	278	964
Scottsbluff Drain No. 1.....	*	*	133	123	155	198	609
Gatch Canal from:—							
Melbeta Drain	*	0	35	24	0	12	71
Gering Canal from:—							
Melbeta Drain	*	*	*	*	*	*	*
Nine Mile Canal from:—							
Nine Mile Drain.....	0	0	0	0	0	0	0
Alliance Canal from:—							
Bayard Drain	0	1136	1339	1100	508	198	4281
Red Willow	436	1289	1537	1311	2370	2176	9119
Camp Clark Seep	0	0	0	0	0	0	0
Total	2258	9317	10333	14846	18790	17762	73306

*No record.

DIVERSIONS IN ACRE-FEET FROM RETURN FLOW BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

For the Year Ending September 30, 1940

	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.	Total
Tri-State Canal from:—									
Akers Draw	250	0	0	428	583	587	563	536	2947
Sheep Creek	3237	0	0	1995	1910	3249	3203	3267	16861
Dry Spotted Tail	357	0	0	0	309	635	1023	835	3159
Wet Spotted Tail	504	0	0	204	252	264	371	545	2140
Tub Springs	303	0	0	371	662	801	1047	835	4019
Alliance Drain	335	0	0	175	250	458	583	514	2315
Moffat Drain	0	0	0	0	0	0	0	0	0
Enterprise Canal from:—									
Stewart and Morrill									
Drains	58	0	0	0	52	73	79	89	351
Dry Spotted Tail	0	0	0	0	0	0	0	0	0
Wet Spotted Tail	206	0	0	184	414	488	442	510	2244
Tub Springs	0	0	0	329	440	351	1194	232	2546
Winters Creek	28	0	0	99	97	244	282	296	1046
Winters Creek Canal from:—									
Winters Creek	0	0	0	1046	1644	1854	2868	1501	8913
Minatare Drain	93	0	0	212	135	161	172	228	1001
Scottsbluff Drain No. 1..	165	77	0	*	133	60	95	20	550
Gatch Canal from:—									
Melbeta Drain	*	*	*	*	*	*	*	*	*
Gering Canal from:—									
Melbeta Drain	*	0	0	60	60	28	0	0	148
Nine Mile Canal from:—									
Nine Mile Drain	0	0	0	46	48	0	0	0	94
Alliance Canal from:—									
Bayard Drain	0	0	0	1099	1043	416	484	682	3724
Red Willow	758	73	46	1125	904	470	1293	1652	6321
Camp Clark Seep	0	0	0	0	0	0	0	0	0
Total	6294	150	46	7373	8936	10139	13699	11742	58379

*No record.

SUMMARY OF WATER DIVERTED IN THE PLATTE RIVER BASIN
IN ACRE-FEET BETWEEN GUERNSEY, WYOMING
AND ODESSA, NEBRASKA

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.	Total
For the Year Ending September 30, 1939													
Guernsey to Whalen.....	9110	0	0	0	0	0	15880	162963	130143	166108	164661	60763	709628
Whalen to State Line.....	3552	119	0	0	0	0	99	24374	20625	20289	18601	17434	105093
State Line to Mitchell.....	5854	0	0	0	0	0	879	66349	57272	70738	72066	52774	325923
Mitchell to Minatare.....	1640	0	0	0	0	0	0	12692	9433	14376	13390	11562	63093
Minatare to Bridgeport.....	3027	6	0	0	0	9	720	13465	12418	12430	17609	15523	75198
Bridgeport to Lisco.....	1627	71	0	0	123	155	179	3755	3062	3983	6526	6154	25635
Lisco to Oshkosh.....	424	0	0	0	0	0	0	0	500	280	0	0	1204
Oshkosh to Keystone.....	795	420	0	0	0	0	0	5802	6354	3443	4254	5706	26774
*Keystone to North Platte.....	6302	589	0	0	0	0	0	13969	20113	14935	23278	23966	103152
North Platte to Odessa.....	57208	36441	1529	996	52	5655	31183	37427	18889	25798	8703	4190	228071
Total	89539	37646	1529	996	175	5810	48940	341269	282431	332757	329088	198072	1668252
Total State Line to Odessa.....	76877	37527	1529	996	175	5810	32961	153932	131663	146360	145826	119875	853531
For the Year Ending September 30, 1940													
Guernsey to Whalen.....	0	0	0	0	0	0	0	53810	65942	102266	120666	6028	348712
Whalen to State Line.....	4670	5690	599	0	0	0	218	14760	22852	16040	14436	10753	90018
State Line to Mitchell.....	15256	7255	0	0	0	0	0	35432	62337	56267	40882	32662	250091
Mitchell to Minatare.....	1785	77	0	0	0	0	0	4942	10659	11227	14242	8914	54846
Minatare to Bridgeport.....	3789	111	20	0	0	0	46	9661	10562	6044	9356	13294	52883
Bridgeport to Lisco.....	5104	1945	997	0	63	123	48	4462	2319	2437	2622	4371	24491
Lisco to Oshkosh.....	373	0	0	0	0	0	0	46	28	0	0	0	477
Oshkosh to Keystone.....	8955	2845	0	0	0	0	871	5259	3898	1236	1551	2058	26673
*Keystone to North Platte.....	12002	1375	2196	0	0	0	2012	21850	11316	16996	16079	20650	104476
North Platte to Odessa.....	41441	70148	19014	0	0	7194	55100	33421	8353	23068	9744	4062	271545
Total	96375	89446	22826	0	63	7317	58295	183643	198266	235581	229578	102822	1224212
Total State Line to Odessa.....	91705	83756	22227	0	63	7317	58077	115073	109472	117275	94476	86041	785482

*Exclusive of the water diverted by the Platte Valley Public Power and Irrigation District

SUMMARY OF NET MONTHLY DIVERSIONS FOR IRRIGATION
IN ACRE-FEET, PLATTE RIVER BASIN, BETWEEN
GUERNSEY, WYOMING AND ODESSA, NEBRASKA
1935-1940

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total	Per cent of 6-Yr. Mean
1935	101991	93931	647	0	2972	5814	85615	77450	122663	387935	326814	208962	1414794	91
1936	87367	25834	2777	0	0	4975	73886	307126	273126	310845	299738	167500	1553174	100
1937	94550	36761	3872	184	167	1760	72033	253914	276070	402057	404439	301015	1846822	119
1938	81535	27408	389	0	0	4495	64928	156832	273487	574931	369359	233145	1586509	102
1939	89539	37646	1529	996	175	5810	48940	341269	282431	332757	329088	198072	1668252	107
1940	96375	89446	22826	0	63	7317	58295	183643	198266	235581	229578	102822	1224212	79
Total	551357	311026	32040	1180	3377	30171	403697	1320234	1426043	2044106	1959016	1211516	9293763	.....
6-Year Mean	91893	51838	5340	197	563	5029	67283	220040	237670	340680	326500	201920	1548950	100
Per Cent of Year	5.9	3.3	0.34	0.01	0.04	0.34	4.35	14.2	15.3	22.0	21.0	13.0	100.0	.....
Per Cent of July Mean	27.0	15.0	1.60	0.06	0.17	1.50	20.00	65.0	69.0	100.0	96.0	59.0	.....	.....

This tabulation does not include diversion by the Platte Valley Public Power and Irrigation District.

ANALYSIS OF WATER DIVERTED BY PROJECTS IN THE PLATTE
AND NORTH PLATTE BASINS HAVING STORAGE RIGHTS
FROM PATHFINDER AND GUERNSEY RESERVOIRS
Measured near Point of Diversion from Stream in Acre-Feet

Project	1939			1940		
	Natural	Storage	Total	Natural	Storage	Total
Northport	20613	36225	56838	1364	23133	24497
Tri-State	128921	44230	173151	146619	339	146958
Gering	17023	14518	31541	18604	8245	26849
Beerline	642	514	1156	831	450	1281
Browns Creek	9793	2690	11883	6674	2425	9099
Chimney Rock	10672	1580	12252	7843	934	8777
Central	5841	770	6611	4170	385	4555
Total	193505	99927	293432	186105	35911	222016

SUMMARY OF ANNUAL FLOW OF NEBRASKA STREAMS AND PER CENT
OF FLOW COMPARED TO THE AVERAGE FOR YEARS OF RECORD

Stream	Average flow in second- feet	Per cent of average for years of record	Number of years of record
1939			
White River near Crawford.....	18	81	8
Lodgepole Creek near Bushnell.....	13	88	8
Platte River near Ashland.....	3510	72	11
Elkhorn River at Waterloo.....	417	56	13
Republican River near Bloomington.....	474	74	10
Big Blue River at Barnston.....	294	90	7
Little Blue River near Endicott.....	223	86	17
1940			
White River near Crawford.....	17	78	9
Lodgepole Creek near Bushnell.....	11	76	9
Platte River near Ashland.....	2694	58	12
Elkhorn River at Waterloo.....	718	96	14
Republican River near Bloomington.....	390	64	11
Big Blue River at Barnston.....	166	60	8
Little Blue River near Endicott.....	107	42	18

MONTHLY EVAPORATION IN INCHES
PATHFINDER RESERVOIR, WYOMING

	May	June	July	Aug.	Sept.
	1939				
Total	8.592	9.564	13.044	9.648	7.668
Mean .....	.277	.319	.421	.311	.256
	1940				
Total	7.392	10.752	11.220	10.140	6.768
Mean .....	.238	.358	.362	.327	.226

Note:—U. S. W. B. Class "A" Pan (10 inches x 4 feet circular).
Coefficient of reduction 70 per cent.

MONTHLY EVAPORATION IN INCHES
WHALEN DAM, WYOMING

	May	June	July	Aug.	Sept.
	1939				
Total	8.256	9.864	12.000	9.360	6.636
Mean .....	.266	.329	.387	.302	.221
	1940				
Total	8.448	10.056	11.280	9.444	5.496
Mean .....	.272	.335	.364	.305	.183

Note:—U. S. W. B. Class "A" Pan (10 inches x 4 feet circular).
Coefficient of reduction 70 per cent.

DAILY EVAPORATION IN INCHES
MITCHELL EXPERIMENTAL FARM 1939

Date	April	May	June	July	Aug.	Sept.
1		0.100	0.290	0.320	0.300	0.129
2		.190	.260	.365	.350	.239
3		.310	.320	.360	.350	.333
4		.310	.340	.245	.375	.239
5		.275	.370	.300	.475	.330
6		.110	.190	.235	.330	.426
7		.265	.225	.250	.210	.344
8		.235	.350	.445	.235	.164
9		.445	.310	.365	.250	.232
10		.300	.310	.210	.250	.203
11		.110	.220	.400	.310	.316
12		.010	.135	.300	.280	.312
13		.150	.215	.405	.250	.351
14		.300	.225	.400	.270	.351
15		.260	.200	.420	.265	.295
16		.290	.320	.450	.300	.232
17		.215	.325	.225	.325	.222
18		.265	.465	.295	.250	.212
19		.510	.300	.400	.200	.224
20		.280	.200	.550	.215	.230
21		.240	.250	.390	.400	.163
22		.240	.265	.305	.380	.291
23		.300	.405	.350	.217	.120
24		.160	.255	.395	.308	.184
25		.095	.300	.405	.310	.236
26		.095	.275	.410	.300	.106
27		.255	.295	.290	.280	.180
28		.265	.350	.375	.250	.237
29		.220	.255	.395	.250	.151
30		.370	.330	.280	.250	.162
31		.250	.....	.275	.260	.....
Total	7.420	8.550	10.810	8.995	7.214	.....
Mean .....	.239	.285	.349	.290	.240	.....
Max. ....	.510	.465	.550	.475	.426	.....
Min. ....	.010	.135	.210	.200	.106	.....

Note:—Records from United States Bureau of Plant Industry Pan, 6 feet in diameter, 24 inches deep, set in ground 20 inches.
Coefficient of reduction 94 per cent.

REPORT OF THE STATE ENGINEER

DAILY EVAPORATION IN INCHES
MITCHELL EXPERIMENTAL FARM 1940

Date	April	May	June	July	Aug.	Sept.
1		0.180	0.310	0.150	0.320	0.260
2		.200	.240	.100	.310	.350
3		.240	.155	.150	.250	.250
4		.360	.200	.250	.290	.270
5		.370	.210	.280	.210	.260
6		.350	.160	.350	.250	.280
7		.300	.290	.250	.270	.280
8		.250	.400	.400	.240	.290
9		.400	.400	.300	.280	.100
10		.300	.270	.420	.300	.120
11		.365	.230	.250	.280	.150
12		.250	.300	.310	.200	.180
13		.200	.370	.350	.210	.180
14		.190	.200	.310	.300	.190
15		.180	.450	.300	.260	.170
16		.150	.350	.250	.200	.180
17		.150	.470	.260	.220	.160
18		.140	.400	.270	.260	.140
19	0.150	.180	.340	.325	.290	.180
20	.200	.160	.300	.400	.200	.100
21	.230	.200	.400	.425	.180	.110
22	.240	.250	.250	.310	.160	.120
23	.220	.250	.250	.430	.170	.160
24	.190	.365	.340	.420	.180	.050
25	.150	.100	.380	.300	.190	.040
26	.110	.295	.300	.200	.150	.120
27	.095	.165	.280	.310	.140	.200
28	.235	.245	.230	.250	.170	.100
29	.180	.270	.340	.260	.150	.110
30	.145	.240	.270	.350	.180	.050
31		.300		.330	.190	
Total	*5.850	7.595	9.085	9.260	7.000	5.150
Mean	.195	.245	.303	.299	.226	.172
Max.	.240	.400	.470	.430	.320	.350
Min.	.095	.100	.155	.100	.140	.040

Note:—Records from United States Bureau of Plant Industry Pan, 6 feet in diameter, 24 inches deep, set in ground 20 inches.
Coefficient of reduction 94 per cent. *Adjusted to full month.

DAILY EVAPORATION IN INCHES
BRIDGEPORT STATION 1939

Date	April	May	June	July	Aug.	Sept.
1		0.235		0.338	0.288	0.233
2		.203	0.154	.344	.261	.272
3	0.082	.228	.320	.215	.292	.359
4	.195	.274	.228	.191	.280	.298
5	.174	.298	.325	.232	.321	.277
6	.113	.133	.299	.333	.256	.249
7	.123	.181	.324		.157	.196
8	.184	.300	.245	.280	.141	.103
9	.145	.313	.149	.391	.200	.165
10	.083	.218	.196	.285	.312	.237
11	.065	.188	.220	.352	.256	.230
12	.058	.006	.184	.310	.242	.210
13	.064	.136	.260	.392	.310	.242
14	.101	.289	.221	.441	.315	.217
15	.033	.223	.204	.332	.271	.343
16	.164	.280	.346	.302	.256	.139
17	.100	.259	.301	.207	.253	.225
18	.124	.202	.371	.319	.450	.266
19	.212	.364	.216	.347	.175	.216
20	.251	.310	.202	.274	.181	.262
21	.151	.311		.397	.241	.178
22	.247	.197	.205	.323	.345	.220
23	.210	.209	.320	.270	.195	.232
24	.295	.281	.258	.334	.289	.237
25	.269	.089	.240	.287	.267	.155
26	.184	.058	.268	.338	.269	.108
27	.217	.185	.323	.146	.214	.196
28	.182	.262	.264	.235	.253	.166
29	.341	.294	.165	.379	.279	.074
30	.281	.390	.198	.206	.255	.113
31		.332		.223	.201	
Total	*4.980	7.248	*7.506	*9.324	8.025	6.418
Mean	.166	.234	.250	.301	.259	.214
Max.	.341	.390	.371	.441	.450	.359
Min.	.033	.006	.149	.146	.141	.074

Note:—U. S. W. B. Class "A" Pan (10 inches x 4 feet circular).
Coefficient of reduction 70 per cent. *Adjusted to full month.

DAILY EVAPORATION IN INCHES
BRIDGEPORT STATION 1940

Date	April	May	June	July	Aug.	Sept.
1	0.150	0.194	0.330	0.148	0.286	0.248
2	.177	.186	.386	.057	.392	.289
3	.170	.249	.228	.175	.314	.230
4	.136	.294	.....	.286	.414	.200
5	.176	.257	.132	.301	.321	.131
6	.147	.230	.175	.311	.300	.195
7	.034	.226	.155	.330	.304	.195
8	.077	.207	.240	.348	.243	.245
9	.136	.272	.206	.308	.278	.094
10	.053	.272	.103	.449	.287	.092
11	.020	.295	.318	.278	.363	.131
12	.059	.278	.314	.316	.235	.140
13	.195	.331	.241	.449	.298	.103
14	.241	.305	.360	.265	.280	.153
15	.153	.211	.394	.285	.300	.137
16	.095	.149	.375	.264	.203	.188
17	.055	.147	.334	.262	.248	.201
18	.157	.243	.412	.265	.211	.163
19	.197	.267	.386	.393	.291	.201
20	.204	.234	.347	.242	.269	*
21	.191	.133	.382	.345	.157	*
22	.223	.194	.383	.353	.067	.501
23	.110	.221	.332	.398	.161	.127
24	.115	.316	.296	.353	.200	*
25	.115	.230	.290	.448	.115	*
26	.098	.223	.276	.319	.229	*
27	.049	.183	.340	.335	.143	*
28	.047	.140	.359	.320	.244	.622
29	.112	.223	.334	.220	.164	.119
30	.135	.200	.425	.315	.167	.034
31	.....	.284	.....	.259	.252	.....
Total	3.827	7.194	†9.158	9.397	7.736	4.739
Mean	.178	.232	.305	.303	.250	.158
Max.	.241	.331	.425	.449	.414	.289
Min.	.020	.133	.103	.057	.067	.....

Note.—U. S. W. B. Class "A" Pan (10 inches x 4 feet circular).

Coefficient of reduction 70 per cent.

*Included in following measurement. †Adjusted to full month.

DAILY EVAPORATION IN INCHES
KEYSTONE DAM 1939

Date	April	May	June	July	Aug.	Sept.
1	0.083	0.332	0.135	0.340	0.294	0.390
2	.128	.272	.355	.292	.359	.779
3	.196	.221	.355	.464	.565	.278
4	.135	.293	.340	.372	.458	.326
5	.151	.381	.339	.277	.366	.378
6	.146	.390	.415	.355	.376	.320
7	.173	.172	.389	.361	.454	.500
8	.260	.233	.267	.356	.386	.063
9	.152	.387	.264	.396	.082	.219
10	.083	.372	.438	.551	.350	.386
11	.026	.200	.221	.536	.264	.380
12	.093	.061	.095	.548	.278	.356
13	.033	.173	.265	.530	.497	.498
14	.145	.350	.341	.585	.399	.420
15	.082	.316	.336	.503	.269	.465
16	.120	.431	.420	.476	.265	.178
17	.....	.349	.504	.339	.315	.293
18	.175	.402	.466	.408	.478	.275
19	.183	.487	.372	.470	.592	.381
20	.223	.649	.263	.550	.086	.234
21	.161	.438	.196	.486	.302	.332
22	.301	.331	.249	.442	.412	.301
23	.259	.301	.461	.402	.267	.292
24	.....	.260	.373	.322	.374	.310
25	.344	.205	.402	.393	.374	.170
26	.160	.237	.317	.421	.359	.112
27	.299	.182	.440	.381	.428	.222
28	.301	.309	.368	.311	.381	.197
29	.447	.291	.267	.474	.295	.109
30	.337	.532	.365	.423	.363	.141
31	.....	.416	.....	.276	.277	.....
Total	*5.567	9.883	10.409	13.040	10.965	9.305
Mean	.186	.319	.347	.421	.354	.310
Max.	.447	.649	.540	.585	.592	.779
Min.	.026	.061	.095	.276	.082	.063

Note.—U. S. W. B. Class "A" Pan (10 inches x 4 feet circular).

Coefficient of reduction 70 per cent. *Adjusted to full month.

REPORT OF THE STATE ENGINEER

DAILY EVAPORATION IN INCHES
KEYSTONE DAM 1940

Date	April	May	June	July	Aug.	Sept.
1		0.230	0.419	0.244	0.456	0.310
2		.270	.596	.100	.504	.272
3		.372	.364	.241	.379	.416
4		.315	.449	.403	.608	.183
5		.262	.....	.394	.227	.155
6		.265	.....	.571	*	.153
7		.257	.....	.525	.613	.219
8		.258	.308	.462	.241	.212
9		.315	.281	.365	.325	.277
10		.324	.297	.460	.430	.123
11		.371	.266	.190	.312	.167
12		.521	.320	.294	*	.223
13		.499	.536	.518	*	.282
14		.323	.463	.124	.870	.229
15	0.262	.251	.337	.416	.427	.188
16	*	.287	.531	.420	.394	.199
17	.129	.128	.504	.472	.198	.212
18	.122	.389	.434	.552	.240	.360
19	.227	.170	.448	.466	.348	.265
20	.277	.290	.418	.432	.296	.231
21	.326	.183	.502	.426	.224	.267
22	.214	.176	.375	.460	.173	.268
23	.116	.255	.530	.539	.207	.091
24	.212	.290	.334	.609	.262	.116
25	.152	.256	.354	.525	.201	.175
26	.050	.318	.322	.383	.162	.144
27	.022	.310	.428	.347	.186	.118
28	*	.250	.383	.420	.153	.275
29	*	.385	.389	.273	.226	.124
30	.396	.242	.590	.304	.227	.053
31	.....	.340	.....	.307	.304	.....
Total	†0.010	9.102	†12.300	12.845	9.193	6.337
Mean	.167	.294	.410	.414	.296	.211
Max.	.326	.521	.590	.609	.608	.416
Min.	.022	.128	.266	.100	.153	.053

Note:—U. S. W. B. Class "A" Pan (10 inches x 4 feet circular).

Coefficient of reduction 70 per cent.

*Included in following measurement. †Adjusted to full month.

DAILY EVAPORATION IN INCHES
NORTH PLATTE STATION 1939

Date	April	May	June	July	Aug.	Sept.
1	0.033	*	0.118	0.302	0.294	0.262
2	.048	*	.286	.326	.434	.312
3	.070	*	.392	.193	.316	.472
4	.068	*	.517	.256	.433	.473
5	.182	*	.437	.303	.282	.188
6	.133	*	.328	.327	.323	.254
7	.166	*	.294	.321	.....	.375
8	.152	*	.334	.262	.264	.162
9	.081	*	.300	.397	.368	.274
10	.124	*	.343	.571	.342	.352
11	.....	*	.189	.595	.247	.326
12	.....	*	.132	.393	.300	.426
13	.087	*	.204	.397	.289	.547
14	.225	*	.313	.533	.280	.495
15	.007	*	.233	.188	.211	.255
16	.....	*	.446	.359	.216	.188
17	.180	*	.642	.448	.342	.288
18	.133	*	.393	.268	.342	.365
19	.137	*	.348	.447	.331	.374
20	.165	*	.213	.549	.240	.192
21	.206	*	.162	.440	.318	.328
22	.224	*	.279	.253	.248	.332
23	.260	*	.431	.334	.269	.546
24	.285	*	.200	.340	.276	.106
25	.200	*	.337	.311	.203	.213
26	.149	*	.207	.369	.301	.238
27	.216	*	.504	.206	.336	.294
28	.250	*	.229	.386	.336	.057
29	.314	*	.212	.436	.126	.181
30	.266	*	.382	.291	.318	.173
31	.....	*	.....	.308	.288	.....
Total	†1.857	7.315	9.405	11.509	†9.100	8.998
Mean	.162	.236	.314	.371	.294	.300
Max.	.314	.....	.642	.595	.434	.547
Min.	.007	.....	.118	.193	.126	.057

Note:—Records from United States Bureau of Plant Industry Pan, 6 feet in diameter, 24 inches deep, set in ground 20 inches.

Coefficient of reduction 94 per cent. *No Record. †Adjusted to full month.

DAILY EVAPORATION IN INCHES
NORTH PLATTE STATION 1940

Date	April	May	June	July	Aug.	Sept.
1	0.123	0.263	0.354	0.224	0.351	0.241
2	.303	.180	.369	.133	.354	.299
3	.273	.420	.379	.243	.327	.238
4	.200	.206	.315	.250	.550	.151
5	.130	.303	.244	.391	.047	.107
6	.055	.187	.256	.402	.294	.168
7	.090	.289	.155	.367	.243	.126
8	.143	.226	.173	.399	.227	.409
9	.057	.245	.325	.254	.352	.185
10	*	.321	.288	.512	.289	.211
11	*	.319	.212	.254	.208	.216
12	.118	.390	.240	.329	.121	.174
13	.176	.310	.303	.475	.206	.284
14	.267	.322	.289	.373	.318	.238
15	.308	.208	.354	.297	.288	.183
16	.....	.210	.419	.357	.226	.226
17	.179	.151	.353	.431	.330	.185
18	.100	.277	.354	.363	.309	.432
19	.197	.203	.310	.266	.384	.258
20	.218	.290	.375	.276	.361	.122
21	.276	.187	.429	.383	.211	.308
22	.195	.137	.332	.408	.186	.236
23	.184	.202	.401	.459	.320	.142
24	.208	.347	.293	.500	.242	.238
25	.111	.218	.358	.496	.133	.816
26	.054	.170	.316	.070	.272	.090
27	.049	.240	.468	.294	.127	.183
28	.209	.162	.409	.613	.253	.179
29	.215	.269	.497	.234	.200	.289
30	.212	.222	.409	.209	.256	.104
31	.....	.404	.....	.258	.265	.....
Total	†4.810	7.878	9.979	10.520	8.250	6.538
Mean	.160	.254	.333	.339	.266	.218
Max.	.308	.420	.497	.613	.550	.432
Min.	.049	.137	.155	.070	.047	.090

Note:—Records from United States Bureau of Plant Industry Pan. 6 feet in diameter, 24 inches deep, set in ground 20 inches.
Coefficient of reduction 94 per cent.

*Included in following measurement. †Adjusted to full month.

PRECIPITATION AT VARIOUS POINTS
Data Compiled by Water Years from Records
of the United States Weather Bureau
Values in inches

Month	Normal		1939		1940	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*MITCHELL STATION, SCOTTS BLUFF COUNTY—ELEVATION, 4080						
October	1.05	1.05	0.10	0.10	0.30	0.30
November	.36	1.41	.52	.62	.00	.30
December	.44	1.85	.15	.77	.26	.56
January	.17	2.02	.52	1.29	.52	1.08
February	.31	2.33	.43	1.72	.31	1.39
March	.56	2.89	.44	2.16	.65	2.04
April	1.55	4.44	.41	2.57	2.57	4.61
May	2.63	7.07	.47	3.04	.30	4.91
June	2.47	9.54	2.64	5.68	.90	5.81
July	1.78	11.32	1.10	6.78	1.12	6.93
August	2.02	13.34	.83	7.61	1.25	8.18
September	1.64	14.98	.38	7.99	1.90	10.08
*27-year record.						
*BRIDGEPORT STATION, MORRILL COUNTY—ELEVATION, 3666						
October	1.09	1.09	0.05	0.05	0.54	0.54
November	.43	1.52	1.07	1.12	.00	.54
December	.59	2.11	.33	1.45	.57	1.11
January	.39	2.50	1.26	2.71	.56	1.67
February	.48	2.98	.83	3.54	.26	1.93
March	.82	3.80	.85	4.39	1.10	3.03
April	2.12	5.92	.56	4.95	1.85	4.88
May	2.82	8.74	.67	5.62	.24	5.12
June	2.51	11.25	4.88	10.50	1.41	6.53
July	1.98	13.23	1.53	12.03	2.42	8.95
August	1.71	14.94	1.07	13.10	.55	9.50
September	1.36	16.30	.42	13.52	3.70	13.20
*43-year record.						

PRECIPITATION AT VARIOUS POINTS—Continued

Month	Normal		1939		1940	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*OSHKOSH STATION, GARDEN COUNTY—ELEVATION, 3393						
October	1.20	1.20	0.09	0.09	1.22	1.22
November	.62	1.82	.42	.51	.00	1.22
December	.56	2.38	.47	.98	.42	1.64
January	.34	2.72	1.46	2.44	.44	2.08
February	.60	3.32	.88	3.32	.20	2.28
March	.97	4.29	2.07	5.39	.82	3.10
April	2.22	6.51	.73	6.12	1.58	4.68
May	2.79	9.30	2.20	8.32	.76	5.44
June	2.67	11.97	2.54	10.86	2.60	8.04
July	2.79	14.76	.85	11.71	2.31	10.35
August	2.35	17.11	1.06	12.77	.68	11.03
September	1.46	18.57	.61	13.38	.77	11.80
*27-year record.						
*NORTH PLATTE STATION, LINCOLN COUNTY—ELEVATION, 2805						
October	1.07	1.07	0.03	0.03	0.56	0.56
November	.47	1.54	.23	.26	T	.56
December	.53	2.07	.16	.42	.64	1.20
January	.39	2.46	.70	1.12	.31	1.51
February	.55	2.99	.15	1.27	.23	1.74
March	.86	3.85	.88	2.15	1.12	2.86
April	2.06	5.91	1.26	3.41	.88	3.74
May	2.78	8.69	2.51	5.92	.66	4.40
June	3.22	11.91	3.51	9.43	2.81	7.21
July	2.74	14.65	.35	9.78	.66	7.90
August	2.39	17.04	1.17	10.95	.71	8.61
September	1.35	18.39	.20	11.15	.88	9.49
*66-year record.						
*LEXINGTON STATION, DAWSON COUNTY—ELEVATION, 2385						
October	1.74	1.74	0.10	0.10	0.15	0.15
November	.78	2.52	.28	.38	.00	.15
December	.69	3.21	.15	.53	.57	.72
January	.40	3.61	.41	.94	.30	1.02
February	.76	4.37	.50	1.44	.10	1.42
March	1.05	5.42	1.60	3.04	.62	2.04
April	2.40	7.82	2.53	5.57	.91	2.95
May	3.14	10.96	4.16	9.73	.71	3.66
June	3.74	14.70	7.04	16.77	1.08	4.74
July	3.26	17.96	.76	17.53	7.26	12.00
August	2.92	20.88	1.60	19.13	1.54	13.54
September	2.03	22.91	.28	19.41	.98	14.52
*50-year record.						
*GRAND ISLAND STATION, HALL COUNTY—ELEVATION, 1860						
October	2.12	2.12	0.18	0.18	0.10	0.10
November	1.01	3.16	.02	.20	T	.10
December	.75	3.91	.03	.23	.40	.50
January	.55	4.46	.32	.55	.79	1.29
February	.80	5.26	1.11	1.66	.67	1.96
March	1.32	6.58	.88	2.54	1.29	3.25
April	2.45	9.03	1.26	3.80	1.75	5.00
May	3.95	12.98	3.94	7.74	1.29	6.29
June	4.05	17.03	4.78	12.52	.71	7.00
July	3.55	20.58	2.27	11.79	1.66	8.66
August	3.52	24.10	1.60	16.39	.50	9.16
September	2.96	27.06	.12	16.51	.53	9.69
*49-year record.						
*COLUMBUS STATION, PLATTE COUNTY—ELEVATION, 1442						
October	1.84	1.84	0.10	0.10	0.17	0.17
November	1.17	3.01	.36	.46	T	.17
December	.71	3.72	.18	.64	.71	.88
January	.51	4.23	.56	1.20	1.08	1.96
February	.91	5.14	1.27	2.47	.80	2.76
March	1.21	6.35	.60	3.07	1.15	3.91
April	1.32	7.67	1.15	4.22	2.97	6.88
May	4.12	11.79	3.89	8.11	2.71	9.59
June	4.40	16.19	2.23	10.34	4.02	13.61
July	3.54	19.73	5.31	15.65	1.43	15.04
August	3.65	23.38	2.47	18.12	2.76	17.80
September	3.21	26.59	.50	18.62	.53	18.33
*46-year record.						

PRECIPITATION AT VARIOUS POINTS—Concluded

Month	Normal		1939		1940	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*OMAHA STATION, DOUGLAS COUNTY—ELEVATION, 978						
October	2.17	2.17	1.52	1.52	1.09	1.09
November	1.07	3.24	1.53	3.05	.35	1.44
December	.93	4.17	.15	3.20	.62	2.06
January	.70	4.87	.50	3.70	.56	2.62
February	.93	5.76	1.55	5.25	1.17	3.79
March	1.37	7.13	.89	6.14	1.71	5.50
April	2.51	9.64	.64	6.78	3.46	8.96
May	3.77	13.41	1.65	8.43	1.26	10.22
June	4.56	17.97	5.42	13.85	3.06	13.28
July	3.54	21.51	4.05	17.90	1.56	14.84
August	3.05	24.56	2.03	19.93	5.00	19.84
September	3.21	27.77	.41	20.34	.56	20.40
*70-year record.						
*FORT ROBINSON STATION, DAWES COUNTY—ELEVATION, 3807						
October	1.39	1.39	0.10	0.10	1.43	1.43
November	.47	1.86	.81	.91	.00	1.43
December	.68	2.54	.20	1.11	.33	1.76
January	.52	3.06	1.02	2.13	.33	2.09
February	.65	3.71	1.65	3.78	.85	2.94
March	.93	4.64	.47	4.25	1.86	4.80
April	1.95	6.59	1.10	5.35	5.60	10.40
May	2.79	9.38	2.11	7.46	.30	10.70
June	2.48	11.86	2.06	9.52	.79	11.49
July	2.24	14.10	1.29	10.81	.64	12.13
August	1.71	15.81	2.92	13.73	1.21	13.34
September	1.42	17.23	.65	14.38	1.91	15.25
*55-year record.						
*CULBERTSON STATION, HITCHCOCK COUNTY—ELEVATION, 2565						
October	1.30	1.30	0.02	0.02	0.03	0.03
November	.71	2.01	.04	.06	T	.03
December	.68	2.69	.13	.19	.84	.87
January	.34	3.03	.50	.69	.91	1.78
February	.58	3.61	.43	1.12	.19	1.97
March	1.04	4.65	1.81	2.93	2.97	4.94
April	2.00	6.65	1.38	4.31	.58	5.52
May	2.98	9.63	1.52	5.83	1.87	7.39
June	3.28	12.91	3.57	9.40	1.28	8.67
July	2.95	15.86	.53	9.93	2.31	10.98
August	2.56	18.42	1.47	11.40	1.26	12.24
September	1.60	20.02	.39	11.79	1.54	13.78
*36-year record.						
*GENOA STATION, NANCE COUNTY—ELEVATION, 1584						
October	1.80	1.80	0.00	0.00	0.20	0.20
November	1.00	2.80	.52	.52	.00	.20
December	.86	3.66	.07	.59	.43	.63
January	.52	4.18	.26	.85	.65	1.28
February	.74	4.92	.98	1.83	.44	1.72
March	1.13	6.05	.65	2.48	.88	2.60
April	2.43	8.48	.68	3.16	2.26	4.86
May	4.03	12.51	5.71	8.87	3.87	8.73
June	4.43	16.94	4.91	13.78	6.92	14.75
July	3.58	20.52	3.47	17.25	1.29	16.04
August	3.46	23.98	3.15	20.40	2.62	18.66
September	3.24	27.22	.27	20.67	.22	18.88
*64-year record.						

REPORT OF THE STATE ENGINEER

ARIKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	11	63	32	8	16	23	8	57	2	15	1
2	4	12	81	39	5	14	22	6	218	1	8	0
3	5	12	81	42	4	17	22	8	70	1	5	0
4	6	11	50	35	4	20	23	7	39	1	4	0
5	7	14	51	21	1	25	21	6	18	2	3	0
6	6	16	63	25	5	26	25	7	13	2	1	0
7	6	14	57	20	5	25	21	7	12	1	6	0
8	6	16	56	18	1	41	24	8	14	1	10	0
9	7	16	51	15	1	43	21	8	18	2	12	0
10	4	16	54	13	1	30	27	5	12	6	10	0
11	7	14	14	12	2	68	27	3	12	1	10	0
12	7	13	5	12	3	133	21	6	11	1	7	0
13	8	9	4	14	6	42	21	10	25	1	5	0
14	8	10	5	12	4	19	21	10	18	0	4	0
15	7	10	6	7	3	11	24	10	15	0	2	1
16	6	16	6	8	3	16	25	11	12	0	2	1
17	6	16	8	9	4	16	19	13	9	0	2	1
18	8	11	9	15	5	12	18	18	7	0	2	1
19	9	10	11	20	4	10	18	15	5	0	1	1
20	9	10	7	21	4	9	16	10	19	0	1	1
21	8	3	9	17	3	10	11	3	41	0	2	2
22	8	8	11	11	5	8	9	2	19	0	1	2
23	8	11	18	7	7	9	7	1	13	0	1	2
24	8	15	20	8	6	12	5	1	11	0	1	2
25	10	18	21	10	8	13	4	3	8	0	1	2
26	9	25	15	9	10	11	3	21	4	0	1	2
27	9	33	10	8	9	7	4	50	3	1	1	2
28	10	41	13	9	12	15	5	38	2	0	1	3
29	10	46	20	9	.....	24	6	35	1	0	1	6
30	9	54	25	10	.....	27	10	30	3	23	1	6
31	9	.....	28	10	.....	24	.....	29	.....	507	1	.....
Mean	7	17	28	16	5	24	17	12	24	18	4	1
Max.	10	54	81	42	12	133	27	50	218	507	15	6
Min.	4	3	4	7	1	7	3	1	1	0	1	0
A.F.	458	1010	1740	994	272	1490	1010	771	1410	1100	242	71
Total acre-feet 10570.												

BALD DRAIN—Sec. 32-23-56 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	3	3	2	1	2	1	2	10	6	3	0
2	5	3	3	2	1	2	1	2	20	6	3	0
3	5	5	3	2	1	2	1	2	20	8	3	0
4	5	10	3	2	1	2	1	2	15	8	3	0
5	5	8	3	2	1	2	1	2	10	8	3	0
6	5	8	3	2	1	2	1	2	5	8	10	0
7	5	8	3	2	1	2	1	2	5	15	15	3
8	4	8	3	2	1	1	1	2	5	20	15	5
9	4	6	3	2	1	1	1	2	5	20	10	5
10	4	6	3	5	1	1	1	2	5	18	8	8
11	4	6	3	8	1	1	1	2	5	18	8	10
12	4	4	3	8	1	1	1	3	10	18	8	10
13	4	4	2	8	1	1	1	3	10	18	6	10
14	4	4	2	6	1	1	1	3	10	16	6	13
15	4	4	2	6	1	1	1	3	10	14	6	11
16	4	4	2	6	1	1	1	3	15	18	4	9
17	4	4	2	4	1	1	1	3	15	10	4	7
18	4	4	2	4	1	1	1	3	10	15	3	5
19	4	4	2	4	1	1	1	3	10	13	3	3
20	3	3	2	2	1	1	1	3	8	11	2	3
21	3	3	2	2	1	1	1	3	5	9	2	3
22	3	3	2	2	1	1	1	3	5	7	1	3
23	3	3	2	2	1	1	1	3	8	5	0	2
24	3	3	2	2	1	1	1	3	8	3	0	2
25	3	3	2	2	1	1	1	3	6	3	0	2
26	3	3	2	2	1	1	1	3	6	3	0	1
27	3	3	2	2	1	1	1	3	6	2	0	1
28	3	3	2	2	1	1	1	3	6	3	0	3
29	3	3	2	1	.....	1	2	3	8	3	1	3
30	3	3	2	1	.....	1	2	3	8	3	1	3
31	3	.....	2	1	.....	1	.....	3	.....	3	0	.....
Mean	4	4	3	3	1	1	1	3	9	10	4	4
Max.	5	10	3	8	1	2	2	3	20	20	15	13
Min.	3	3	2	1	1	1	1	2	5	2	0	0
A.F.	236	270	147	194	56	75	67	163	534	605	254	248
Total acre-feet 2849.												

DEPARTMENT OF ROADS AND IRRIGATION

593

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Sec. 4-20-52 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	47	42	36	23	30	34	26	37	9	41	42
2	68	54	42	36	32	31	33	26	17	9	30	42
3	64	53	42	36	32	32	33	26	13	10	22	41
4	60	51	42	35	32	30	33	24	9	14	36	42
5	60	50	41	35	32	30	32	22	6	19	36	41
6	59	47	41	36	33	32	31	20	9	31	36	39
7	58	47	41	35	32	34	32	20	16	23	43	40
8	56	48	41	36	30	36	30	4	14	20	43	41
9	52	47	41	38	28	35	30	5	14	19	44	42
10	47	47	40	35	28	35	30	6	15	21	47	41
11	52	46	39	36	29	35	32	9	17	20	47	44
12	53	44	38	36	32	33	30	11	30	18	42	42
13	50	45	39	35	32	32	30	10	35	35	45	44
14	51	44	37	35	32	30	30	7	36	35	43	47
15	50	44	37	35	33	30	30	2	35	32	42	46
16	50	44	38	35	32	31	30	1	76	35	41	47
17	50	41	36	34	32	32	26	1	57	35	36	50
18	51	44	36	35	33	33	28	1	49	32	36	49
19	49	42	37	35	32	34	30	1	32	32	39	51
20	50	42	36	34	32	33	29	1	22	32	39	50
21	48	40	35	34	32	34	29	1	26	30	38	50
22	47	41	36	34	32	35	30	1	26	33	36	45
23	48	41	36	34	32	35	30	1	15	35	42	42
24	47	39	36	33	32	35	29	1	6	35	42	32
25	43	41	36	34	32	35	29	4	5	13	41	33
26	47	40	33	34	32	34	29	8	8	1	38	39
27	48	40	35	35	32	34	28	6	9	3	38	38
28	48	40	34	35	30	36	28	7	8	5	39	37
29	46	41	35	34	....	37	27	6	9	3	40	46
30	47	41	35	34	....	37	26	5	9	2	39	48
31	46	....	35	35	....	35	....	17	....	24	39	....
Mean	52	44	38	35	31	33	30	9	22	21	39	43
Max.	68	54	42	38	35	37	34	26	76	35	47	51
Min.	43	39	33	33	23	30	26	1	5	1	22	32
A.F.	3180	2650	2320	2150	1740	2050	1780	567	1320	1320	2420	2560
Total acre-feet	24060.											

BEAVER CREEK NEAR BEAVER CITY—Sec. 23-2-23 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.3	1.6	0.8	0.6	0.1	3.7	6.1	9	141	60	0.3
2	.1	.2	2.0	.7	.4	.3	3.4	5.4	107	90	12	.1
3	.1	.2	1.6	.5	.3	.5	3.9	8.2	7	57	8	.1
4	.1	.2	1.7	.5	.5	.3	62.0	8.0	3	48	5	.1
5	.1	.2	1.7	.5	.7	.3	11.0	6.8	3	47	15	.1
6	.1	.3	1.6	.4	.9	.6	6.0	5.4	2	35	6	.1
7	.0	.4	1.7	.3	.6	.8	3.7	5.0	2	28	17	.1
8	.0	.5	1.6	.3	.0	1.1	3.6	5.2	2	26	26	.1
9	.1	.4	1.3	.3	.0	.9	3.6	4.7	2	21	15	.1
10	.1	.5	1.6	.3	.0	1.1	4.1	6.2	2	20	13	.1
11	.1	.5	1.2	.2	.3	1.0	4.1	6.2	1	18	11	.1
12	.1	.7	.8	.3	.5	1.4	3.7	4.5	1	17	7	.1
13	.1	.7	.4	.4	.4	1.5	3.7	7.3	1	15	4	.0
14	.1	.9	.5	.5	.3	1.5	4.2	6.8	1	13	3	.0
15	.1	.7	.7	.2	.2	5.6	188.0	5.4	1	12	8	.0
16	.1	1.0	.5	.3	.2	4.9	22.0	5.2	1	11	3	.1
17	.0	1.0	.5	.3	.0	9.4	13.0	4.9	1	8	5	.1
18	.0	1.0	.5	.4	.2	11.0	8.2	5.4	82	7	3	.1
19	.1	.9	.6	.4	.3	9.6	7.3	5.2	24	6	2	.1
20	.1	1.1	.7	.5	.3	28.0	8.2	4.1	11	6	1	.1
21	.1	1.1	.7	.5	.2	7.8	8.0	3.6	40	176	1	.1
22	.1	.9	.7	.3	.1	7.3	7.7	2.7	378	182	1	.1
23	.2	.7	.7	.3	.2	6.2	7.1	2.3	293	70	1	.1
24	.2	.4	.6	.4	.4	5.6	7.5	1.1	324	44	1	.1
25	.2	.3	.7	.3	.2	5.4	7.3	.9	546	19	1	.1
26	.2	.4	.5	.3	.3	5.0	7.1	74.0	430	14	0	.1
27	.3	.6	.3	.4	.4	4.1	7.1	166.0	384	84	0	.0
28	.3	.7	.4	.6	.2	4.4	6.9	39.0	360	134	0	.1
29	.3	.9	.5	.7	....	4.7	6.2	15.0	367	20	0	.1
30	.3	1.0	.6	.7	....	4.5	6.1	16.0	199	9	0	.2
31	.3	....	.7	.8	....	3.9	....	11.0	....	7	0	....
Mean	0.14	0.62	0.94	0.43	0.31	4.4	14.6	14.4	120	44	7	0.10
Max.	.3	1.1	2.0	.8	.9	28	188	166	546	182	60	.3
Min.	.0	.2	.3	.2	.0	.1	3.4	.9	1	6	6	.0
A.F.	8.3	37	58	26	17	275	870	888	7110	2750	465	5.8
Total acre-feet	12510.											

REPORT OF THE STATE ENGINEER

BIRDWOOD CREEK NEAR HERSHEY—Sec. 2-14-33 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	156	156	126	170	108	125	218	145	145	164	178	117
2	156	149	120	190	96	130	160	141	156	114	105	105
3	149	141	120	183	96	120	156	153	130	120	99	91
4	141	145	126	174	100	120	153	153	114	149	80	99
5	134	169	111	164	110	125	141	149	99	149	86	117
6	120	137	117	156	115	140	117	141	86	117	86	114
7	120	141	117	153	105	156	126	141	83	120	114	108
8	130	137	123	156	90	153	137	153	88	114	117	99
9	153	149	117	212	80	149	137	141	114	123	123	102
10	153	134	114	160	74	156	119	134	93	130	123	88
11	149	134	120	137	96	160	137	137	93	108	117	91
12	145	145	117	149	140	149	123	164	117	120	120	114
13	145	141	115	149	135	156	126	183	174	156	111	111
14	141	141	115	149	120	134	130	164	141	153	108	96
15	141	153	117	126	110	117	160	153	120	149	105	91
16	145	156	102	130	100	137	160	153	126	137	99	114
17	145	160	102	140	110	134	134	141	137	141	105	120
18	156	153	96	145	120	130	108	130	126	145	126	120
19	126	153	91	130	120	145	117	130	108	145	111	114
20	130	156	96	137	105	153	120	188	141	149	88	108
21	134	149	99	134	129	153	117	141	183	137	86	105
22	130	134	105	134	130	160	120	145	120	130	80	99
23	145	125	102	134	135	164	130	134	108	145	78	102
24	156	120	108	126	135	156	137	134	102	156	114	111
25	153	120	93	130	125	160	141	126	105	145	105	111
26	149	125	90	123	115	149	137	137	114	93	102	117
27	156	135	95	126	110	141	153	198	134	96	108	137
28	156	123	110	123	120	140	137	145	130	99	114	153
29	153	120	120	130	.....	169	141	137	117	93	114	130
30	145	126	135	120	.....	188	145	134	117	75	117	150
31	145	.....	150	123	.....	229	.....	.....	.....	126	117	.....
Mean	144	141	112	146	111	148	139	147	121	129	108	110
Max.	156	169	150	190	140	229	218	198	183	164	178	153
Min.	120	120	90	120	74	117	108	126	83	75	78	88
A.F.	8840	8380	6880	8950	6190	9120	8270	9030	7180	7930	6620	6570

Total acre-feet 93960.

BLUE CREEK NEAR LEWELLEN—Sec. 50-16-12 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	74	94	96	42	105	134	88	124	24	68	26
2	69	79	96	94	41	105	110	96	142	24	58	25
3	65	85	92	91	56	102	111	89	107	21	14	22
4	60	84	90	92	76	96	107	89	89	19	15	23
5	60	93	90	90	96	92	105	81	83	16	16	23
6	61	91	96	90	100	93	99	76	80	8	19	22
7	56	90	96	89	72	102	103	77	77	1	32	25
8	52	90	96	91	52	110	104	76	69	1	26	26
9	49	94	98	133	45	112	108	62	45	1	7	25
10	51	92	99	105	40	108	107	54	42	1	2	10
11	51	91	99	95	50	110	198	59	44	1	1	9
12	45	86	93	95	78	108	110	75	31	12	1	8
13	44	83	92	94	139	108	106	80	36	47	1	7
14	45	85	92	94	110	103	108	75	52	54	7	5
15	47	89	92	80	80	96	108	75	22	55	20	5
16	47	89	92	84	60	105	105	72	16	55	19	15
17	30	85	93	90	80	106	96	62	12	68	19	28
18	28	83	91	95	110	104	97	47	10	79	18	30
19	33	85	87	95	92	111	101	33	7	77	19	14
20	33	84	86	97	80	111	100	24	6	74	20	3
21	34	76	84	96	100	110	96	39	5	73	20	3
22	44	78	85	92	120	111	99	51	5	74	18	3
23	73	76	86	89	132	111	97	28	2	76	18	3
24	90	74	83	88	129	112	93	21	1	65	37	3
25	90	76	88	99	110	115	90	49	2	52	71	4
26	83	80	74	92	102	110	89	75	5	53	75	6
27	77	86	51	91	99	109	90	86	14	58	75	7
28	75	96	97	92	100	111	88	83	20	68	56	10
29	72	91	97	94	.....	113	90	65	56	66	30	13
30	73	92	102	94	.....	118	87	32	37	63	28	13
31	74	.....	103	94	.....	151	.....	20	.....	65	27	.....
Mean	57	85	91	94	85	108	101	62	41	44	27	14
Max.	90	96	103	133	139	151	124	96	142	79	75	30
Min.	28	74	51	80	40	92	87	20	1	1	1	3
A.F.	3530	5070	5580	5760	4740	6660	6020	3850	2460	2680	1660	827

Total acre-feet 48840.

DEPARTMENT OF ROADS AND IRRIGATION

595

BLUE RIVER, BIG, AT BARNSTON—Sec. 13-1-7 E.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	93	101	135	116	115	101	186	156	206	857	382	66
2	43	160	140	135	148	210	172	155	272	967	294	115
3	90	646	151	119	120	232	234	150	321	369	238	55
4	114	550	142	144	127	129	195	152	295	299	117	72
5	103	227	141	170	112	132	480	150	269	423	185	42
6	71	201	139	154	138	289	353	145	177	364	208	51
7	126	126	145	153	135	330	350	170	143	935	349	41
8	135	72	161	200	108	1020	210	169	161	1260	370	40
9	78	51	135	150	113	1770	196	168	303	871	182	51
10	126	51	138	115	94	964	230	116	535	634	244	50
11	118	94	103	120	127	821	192	116	935	531	305	41
12	110	60	139	125	97	8760	152	139	680	514	2510	39
13	118	124	144	115	127	4850	163	140	491	379	531	43
14	122	130	123	110	137	1100	172	96	340	387	263	44
15	142	129	117	120	118	700	1200	167	209	233	218	40
16	47	108	111	132	123	572	1490	123	228	183	255	44
17	110	104	120	105	129	414	931	147	242	143	187	40
18	62	157	100	128	135	351	363	105	253	135	185	37
19	35	204	124	140	113	232	248	120	254	91	86	40
20	37	184	137	124	191	318	224	147	233	24	115	41
21	35	168	126	123	159	264	156	92	1250	33	201	35
22	44	107	130	135	136	166	184	172	2520	57	159	36
23	64	74	133	116	160	296	166	125	935	123	214	49
24	118	60	138	100	155	235	177	124	274	80	196	51
25	111	127	96	120	142	202	171	127	4890	97	149	40
26	45	150	144	165	142	201	116	94	5580	55	57	56
27	46	110	151	165	205	294	205	246	1600	51	49	52
28	82	100	79	135	151	314	116	239	661	240	74	57
29	101	60	92	142	.....	280	182	261	424	718	82	40
30	136	100	97	151	.....	200	106	239	420	1090	50	110
31	143	.....	117	124	.....	214	.....	219	.....	750	51	.....
Mean	90	151	127	134	134	837	312	154	837	416	274	51
Max.	143	646	164	200	205	8760	1490	261	5580	1260	2510	115
Min.	35	51	70	100	94	101	106	92	143	24	50	35
A.F.	5560	9000	7820	8220	7450	51490	18550	9460	49790	25570	16870	3010
Total acre-feet 212900.												

BLUE RIVER, LITTLE, NEAR ENDICOTT—Sec. 5-1-3 E.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	132	114	144	82	84	165	141	142	194	711	114	84
2	130	118	150	85	84	170	144	141	158	1560	111	84
3	128	138	158	94	84	165	142	139	141	1700	110	76
4	121	152	130	100	86	160	152	132	246	864	104	74
5	121	132	130	119	90	155	498	136	164	421	127	78
6	120	128	132	108	100	160	1550	134	141	361	118	69
7	117	130	132	106	110	167	981	141	128	310	109	70
8	117	128	130	100	108	213	363	136	118	256	126	68
9	116	123	128	88	102	232	274	133	771	230	124	70
10	113	121	126	70	100	215	252	132	1830	215	116	65
11	111	123	126	70	96	248	221	128	1040	195	124	69
12	116	120	123	72	108	1430	175	127	418	181	172	68
13	114	124	111	72	125	898	155	132	416	169	132	66
14	113	150	110	70	135	486	2900	127	631	158	174	64
15	109	126	106	68	138	315	1950	128	481	172	188	63
16	106	126	100	66	130	250	850	128	693	180	147	64
17	104	124	92	64	120	212	375	123	1220	170	144	60
18	104	124	92	66	125	190	174	120	1290	168	152	65
19	100	123	94	68	130	176	167	123	747	170	155	63
20	102	126	98	70	135	169	157	121	454	172	186	62
21	107	123	96	76	130	160	152	123	2860	205	138	64
22	100	120	94	74	120	150	149	138	3770	199	118	68
23	104	109	92	78	125	155	150	130	2260	153	117	66
24	107	80	98	76	130	150	145	142	828	142	107	65
25	103	97	108	70	135	152	144	141	1120	134	99	70
26	107	110	100	76	140	150	141	153	524	127	96	70
27	109	91	90	80	150	144	158	144	407	121	96	73
28	120	117	78	82	155	142	164	136	390	121	95	71
29	113	130	76	82	.....	142	147	147	385	111	91	74
30	99	131	78	84	.....	139	153	236	313	110	88	78
31	113	.....	80	86	.....	142	.....	256	.....	110	86	.....
Mean	112	121	110	80	117	252	437	141	805	319	125	69
Max.	132	152	158	110	155	1430	2900	256	3770	1700	186	84
Min.	99	80	76	64	84	139	141	120	118	110	86	60
A.F.	6890	7220	6750	4950	6500	15480	26030	8670	47880	19630	7660	4130
Total acre-feet 161800.												

REPORT OF THE STATE ENGINEER

BUFFALO CREEK—Sec. 33-9-18 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	7	6	5	5	8	13	5	42	80	1	0
2	36	7	6	5	5	8	13	3	41	104	1	0
3	34	7	6	5	5	8	13	3	114	63	0	0
4	31	7	6	6	5	8	13	2	53	63	0	0
5	25	7	6	6	5	8	13	5	47	80	2	0
6	22	7	6	6	5	8	13	7	64	80	1	0
7	19	7	6	6	5	8	14	12	74	76	0	0
8	18	7	6	6	5	9	14	9	74	68	0	0
9	16	7	6	7	5	9	14	13	42	91	2	0
10	19	7	6	7	5	9	14	7	53	70	3	0
11	20	7	6	7	5	9	14	25	216	28	6	0
12	21	7	6	7	5	9	14	22	227	16	14	0
13	17	7	4	7	5	9	14	18	105	9	10	0
14	18	7	3	7	5	10	14	17	110	0	13	0
15	16	7	4	6	5	10	15	53	112	6	9	0
16	15	7	4	5	5	10	15	52	112	6	4	0
17	16	7	4	5	6	10	15	42	71	4	6	0
18	15	7	5	5	6	10	15	21	57	3	2	0
19	20	7	5	5	6	11	15	15	53	3	1	0
20	18	7	5	5	6	11	16	13	42	33	0	0
21	16	7	5	5	6	11	16	9	39	5	1	0
22	14	4	5	5	6	11	16	9	161	1	1	0
23	12	4	6	5	7	11	16	11	61	1	0	0
24	10	4	6	6	7	11	16	33	76	1	1	0
25	8	5	6	5	7	12	15	52	56	1	0	0
26	8	5	5	5	7	12	15	54	95	1	0	0
27	8	5	3	5	7	12	12	120	71	1	0	0
28	8	5	3	5	7	12	12	144	67	1	0	0
29	8	4	4	5	.....	12	10	228	82	0	0	0
30	8	5	4	5	.....	12	10	92	124	1	0	0
31	8	.....	4	5	.....	12	.....	84	.....	0	0	.....
Mean	17	6	5	6	6	10	14	38	85	29	3	0
Max.	38	7	6	7	7	12	16	228	227	104	14	0
Min.	8	4	3	5	5	8	10	2	39	0	0	0
A.F.	1075	375	311	313	313	591	831	2340	5040	1777	155	0

Total acre-feet 13151.

BULL DRAIN—Sec. 19-13-28 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	2	2	2	3	2	3	1	3	1	1	1
2	1	2	2	2	3	2	3	1	3	1	1	1
3	1	2	2	2	3	2	3	1	3	1	1	1
4	1	2	2	2	3	2	3	1	3	1	1	1
5	1	2	2	2	3	2	3	1	3	1	1	1
6	1	2	2	2	3	2	3	1	3	1	1	1
7	1	2	2	2	3	2	3	1	3	1	1	1
8	1	2	2	2	3	2	3	1	3	1	1	1
9	1	2	2	2	3	2	3	1	3	1	1	1
10	1	2	2	2	3	2	3	1	3	1	1	1
11	1	2	2	2	3	2	3	1	3	1	1	1
12	1	2	2	2	3	2	3	1	3	1	1	1
13	1	2	2	2	4	2	3	1	3	1	1	1
14	1	2	2	2	4	2	3	1	3	1	1	1
15	1	2	2	2	4	2	3	1	3	1	1	1
16	1	2	2	2	4	2	3	1	3	1	1	1
17	1	2	2	2	4	2	3	1	3	1	1	1
18	1	2	2	2	3	2	3	1	3	1	1	1
19	1	2	2	2	3	2	3	1	3	1	1	1
20	1	2	2	2	3	2	3	1	3	1	1	1
21	2	2	2	2	3	2	3	1	3	1	1	1
22	2	2	2	2	3	2	3	1	3	1	1	1
23	2	2	2	2	3	2	3	1	3	1	1	1
24	2	2	2	2	3	2	3	1	3	1	1	1
25	2	2	2	2	3	2	3	1	3	1	1	1
26	2	2	2	2	3	2	3	1	3	1	1	1
27	2	2	2	2	2	2	3	4	1	1	1	1
28	2	2	2	2	2	2	3	4	1	1	1	1
29	2	2	2	2	2	2	3	4	1	1	1	1
30	2	2	2	2	2	2	3	3	1	1	1	1
31	2	2	2	2	2	2	3	3	1	1	1	.....
Mean	1	2	2	2	3	2	3	1	3	1	1	1
Max.	2	2	2	2	4	2	3	4	3	1	1	1
Min.	1	2	2	2	2	2	2	1	1	1	1	1
A. F.	83	119	123	123	173	145	169	135	81	61	61	60

Total acre-feet 1333.

DEPARTMENT OF ROADS AND IRRIGATION

597

CASTLE ROCK SEEP—Sec. 20-21-53 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	0	1	0	1	1	1	0	1	1	1	0
2	1	0	1	0	1	1	1	2	1	1	2	0
3	1	0	1	0	1	1	1	1	1	1	2	0
4	1	0	1	0	1	1	1	0	1	1	1	0
5	1	0	1	0	1	1	1	0	1	1	1	0
6	1	0	1	0	1	1	1	0	1	1	1	0
7	1	0	1	0	1	1	1	0	1	1	1	0
8	1	0	1	0	1	1	1	0	1	1	1	1
9	1	0	1	0	1	1	1	1	1	1	1	1
10	1	0	1	0	1	1	1	0	1	1	1	1
11	1	0	1	1	1	1	1	0	1	1	1	1
12	1	0	1	1	1	1	1	0	1	1	1	1
13	1	0	1	1	1	1	1	0	1	1	1	1
14	1	0	1	1	1	1	1	0	1	1	1	1
15	1	0	1	1	1	1	1	0	1	1	1	1
16	1	0	1	1	1	1	1	0	1	1	1	1
17	1	1	1	1	1	1	1	0	1	1	1	1
18	1	1	1	1	1	1	1	0	1	1	1	1
19	0	1	1	1	1	1	1	0	2	1	1	1
20	0	1	1	1	1	1	1	0	1	1	1	1
21	0	1	0	1	1	1	1	0	1	1	2	1
22	0	1	0	1	1	1	1	0	1	1	2	1
23	0	1	0	1	1	1	1	0	1	1	1	1
24	0	1	0	1	1	1	1	0	1	1	1	1
25	0	1	0	1	1	1	1	0	1	1	1	0
26	0	1	0	1	1	1	1	0	1	1	1	0
27	0	1	0	1	1	1	1	0	1	1	1	0
28	0	1	0	1	1	1	1	0	1	2	1	0
29	0	1	0	1	1	1	1	0	1	2	1	0
30	0	1	0	1	1	1	1	0	1	1	1	0
31	0	1	0	1	1	1	1	1	1	1	0	0
Mean	0.6	0.5	0.6	0.7	1	1	0.3	0.9	1	1	1	0.6
Max.	1	1	1	1	1	1	1	2	2	1	2	1
Min.	0	0	0	0	1	1	0	0	1	1	0	0
A.F.	36	28	40	42	56	61	18	54	63	61	63	34

Total acre-feet 556.

CEDAR CREEK—Sec. 11-18-48 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	13	15	16	17	18	16	14	13	3	4	4
2	14	13	15	16	17	18	16	14	14	3	4	4
3	14	13	15	16	17	18	16	9	12	3	3	4
4	14	13	15	16	17	18	16	8	12	3	4	4
5	14	13	16	16	17	18	16	6	12	9	3	4
6	14	13	15	16	18	17	16	6	12	4	3	5
7	14	13	15	16	18	17	16	14	12	11	4	5
8	14	13	15	16	18	17	16	7	4	4	4	8
9	14	14	15	16	18	17	16	7	4	8	4	8
10	14	14	15	16	18	17	15	6	3	3	4	8
11	14	14	15	17	18	17	15	6	3	9	3	7
12	14	14	15	17	18	17	15	18	3	8	4	7
13	14	14	15	17	18	17	15	21	3	8	4	6
14	14	14	15	17	18	17	15	16	3	5	4	5
15	14	14	15	17	18	17	15	7	10	4	3	5
16	13	14	15	17	18	17	15	7	14	3	4	4
17	13	14	15	17	18	17	15	5	5	7	3	5
18	13	14	15	17	18	17	14	4	3	7	4	4
19	13	14	15	17	18	17	14	4	3	8	4	4
20	13	14	15	17	18	17	14	4	4	7	4	4
21	13	14	16	17	18	17	14	3	7	8	4	4
22	13	14	16	17	18	17	14	3	4	8	4	4
23	13	14	16	17	18	17	14	2	3	8	3	4
24	13	14	16	17	18	17	14	3	8	3	3	5
25	13	14	16	17	18	17	14	12	16	3	4	5
26	13	14	16	17	18	17	14	11	17	3	4	5
27	13	14	16	17	18	17	14	6	8	4	4	8
28	13	14	16	17	18	17	14	5	8	4	4	5
29	13	14	16	17	.....	17	14	10	3	3	4	5
30	13	14	16	17	.....	16	14	4	3	4	4	5
31	13	.....	16	17	.....	16	.....	5	.....	4	3	.....
Mean	13	14	15	17	18	17	15	8	8	5	4	.....
Max.	14	14	16	17	18	18	16	21	17	11	4	8
Min.	13	13	15	16	17	16	14	2	3	3	3	4
A.F.	829	817	944	1025	990	1051	885	490	448	335	228	307

Total acre-feet 8349.

REPORT OF THE STATE ENGINEER

CLEAR CREEK—Sec. 32-16-41 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	8	11	11	10	9	9	4	9	2	0	0
2	7	8	11	11	10	9	9	4	8	0	4	0
3	7	9	11	11	10	9	9	4	7	4	4	0
4	7	9	11	11	10	9	9	4	6	0	0	0
5	7	9	11	11	10	9	9	5	6	0	0	0
6	7	9	11	11	10	9	9	2	7	0	0	0
7	7	9	11	11	10	9	9	0	7	0	0	0
8	7	10	11	11	9	9	9	0	7	0	0	0
9	7	10	11	11	9	9	9	0	7	0	0	0
10	7	10	11	11	9	9	9	0	7	0	0	0
11	7	10	11	11	9	9	9	1	6	0	0	0
12	7	10	11	11	9	9	9	1	6	0	0	0
13	7	10	11	11	9	9	9	1	6	2	0	0
14	7	11	11	11	9	9	9	0	6	6	0	0
15	7	11	11	11	9	9	9	0	5	6	0	0
16	7	11	11	11	9	9	9	0	4	5	0	0
17	7	11	11	11	9	9	9	0	1	8	0	0
18	8	11	11	11	9	9	9	0	1	6	0	4
19	8	11	11	11	9	9	9	0	5	6	0	4
20	8	11	11	11	9	9	9	0	0	6	0	4
21	8	11	11	11	9	9	9	0	1	6	0	5
22	8	11	11	11	9	9	8	0	1	6	0	5
23	8	11	11	11	9	9	8	0	1	6	0	3
24	8	11	11	11	9	9	8	0	1	2	0	5
25	8	11	11	11	9	9	8	0	1	3	0	3
26	8	11	11	11	9	9	8	0	1	0	4	4
27	8	11	11	10	9	9	8	7	1	0	4	4
28	8	11	11	10	9	9	8	8	8	0	5	4
29	8	11	11	10	.....	9	8	8	6	0	0	4
30	8	11	11	10	.....	9	6	8	4	0	0	4
31	8	.....	11	10	.....	9	.....	8	.....	0	0	4
Mean	7	10	11	11	9	9	9	2	4	2	1	.....
Max.	8	11	11	11	10	9	9	8	9	8	5	5
Min.	7	8	11	10	9	9	6	0	0	0	0	0
A.F.	458	611	676	468	430	553	430	129	268	147	42	105

Total acre-feet 4317.

CLEVELAND DRAIN—Sec. 6-20-52 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	2	1	1	0	1	1	1	11	6	11	6
2	8	2	1	1	0	1	1	1	10	8	11	5
3	8	4	1	1	0	1	1	7	9	8	12	8
4	8	4	1	1	0	1	1	4	10	9	8	7
5	8	4	1	1	0	1	1	3	11	9	4	9
6	8	3	1	1	0	1	1	5	9	8	5	6
7	8	3	1	1	0	1	1	7	9	8	9	8
8	8	2	1	1	0	1	1	4	10	9	10	7
9	7	2	1	1	0	1	1	13	10	8	9	9
10	7	2	1	1	0	1	1	10	7	9	11	9
11	7	1	1	1	0	1	1	9	8	8	8	9
12	7	1	1	1	0	1	2	10	8	8	4	8
13	7	1	1	0	0	1	2	5	10	6	8	6
14	7	1	1	0	0	1	2	5	8	5	4	6
15	7	1	1	0	0	1	2	6	9	5	3	6
16	6	1	1	0	0	1	1	6	11	4	4	6
17	6	1	1	0	1	1	1	5	5	6	3	6
18	6	1	1	0	1	1	1	4	6	0	3	7
19	6	1	1	0	1	1	1	2	5	7	2	9
20	6	1	1	0	1	1	1	2	8	1	4	7
21	5	1	1	0	1	1	1	4	6	6	4	7
22	5	1	1	0	1	1	1	1	10	5	3	7
23	5	1	1	0	1	1	1	4	10	1	4	8
24	5	1	1	0	1	1	1	5	9	2	5	7
25	4	1	1	0	1	1	1	9	9	1	4	10
26	4	1	1	0	1	1	1	5	8	8	5	10
27	4	1	1	0	1	1	1	5	9	7	7	7
28	3	1	1	0	1	2	1	5	2	5	8	8
29	3	1	1	0	.....	2	1	5	7	9	6	11
30	3	1	1	0	.....	2	1	13	9	9	7	13
31	2	.....	1	0	.....	1	.....	7	.....	10	4	.....
Mean	6	2	1	0.4	0.4	1	1	6	8	6	6	8
Max.	8	4	1	1	1	2	2	13	11	10	12	13
Min.	2	1	1	0	0	1	1	1	2	0	2	5
A.F.	365	95	61	24	24	67	67	341	502	387	377	460

Total acre-feet 2774.

DEPARTMENT OF ROADS AND IRRIGATION

599

COLD WATER CREEK—Sec. 34-18-46 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	4	4	3	1	1	1	30	3	2	2
2	0	0	4	4	3	1	0	3	3	2	1	1
3	0	0	4	4	3	1	0	1	50	2	0	1
4	0	0	4	4	1	1	0	1	12	2	0	1
5	0	0	4	4	1	1	0	1	6	2	1	1
6	0	0	4	4	1	1	0	1	20	2	1	1
7	0	0	4	4	1	1	0	1	15	1	1	1
8	0	0	4	4	1	1	0	1	12	2	1	1
9	0	0	4	4	1	1	0	1	2	1	1	1
10	0	3	4	4	1	1	0	2	2	1	1	1
11	0	3	4	4	1	1	0	2	2	1	1	1
12	0	3	4	4	1	1	0	10	2	1	1	1
13	0	3	4	4	1	1	1	11	2	2	1	1
14	0	3	4	4	1	1	1	10	3	3	0	1
15	0	3	4	4	1	0	1	2	40	3	1	1
16	0	3	4	4	1	0	1	2	6	3	0	1
17	0	3	4	4	1	0	1	2	5	3	1	1
18	0	3	4	4	1	0	1	2	3	3	3	1
19	0	3	4	4	1	0	1	12	2	3	3	1
20	0	3	4	4	1	0	1	4	24	3	3	1
21	0	3	4	4	1	0	1	1	3	3	4	1
22	0	3	4	4	1	0	1	1	8	3	4	1
23	0	3	4	4	1	0	1	5	12	3	4	1
24	0	3	4	4	1	0	1	2	6	3	3	1
25	0	3	4	4	1	0	1	2	3	3	3	1
26	0	3	4	4	1	0	1	27	3	3	3	1
27	0	3	4	4	1	0	1	40	3	3	3	1
28	0	3	4	4	1	0	1	4	8	4	3	1
29	0	3	4	4	.....	1	1	45	4	3	3	1
30	0	3	4	4	.....	1	1	15	3	3	3	1
31	0	.....	4	4	.....	1	.....	10	.....	3	3	.....
Mean	0	2	4	4	1	1	1	7	10	2	2	1
Max.	0	3	4	4	3	1	1	45	50	3	4	2
Min.	0	0	4	4	1	0	0	1	2	1	0	1
A.F.	0	125	246	246	67	32	35	440	583	151	117	61
Total acre-feet 2103.												

DAWSON COUNTY DRAIN—Sec. 25-10-23 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	2	2	3	2	2	1	2	3	5	3	1
2	2	2	2	3	2	2	2	2	3	6	3	0
3	2	2	2	3	2	2	1	2	3	6	3	0
4	2	2	2	3	2	2	2	2	3	6	3	0
5	2	2	2	3	2	2	1	2	3	5	3	0
6	1	2	2	3	2	2	2	2	3	4	3	0
7	1	2	2	3	2	2	1	2	3	5	3	0
8	1	2	2	3	2	2	2	2	3	4	3	0
9	1	2	2	3	2	2	2	2	4	3	2	0
10	1	2	2	3	2	2	2	2	9	4	2	0
11	1	2	2	3	2	2	2	2	5	4	2	0
12	1	2	2	3	2	2	2	2	5	4	2	0
13	1	2	2	3	2	2	2	3	4	4	2	0
14	2	2	2	3	2	2	2	3	5	3	2	0
15	2	2	2	3	2	2	2	3	4	3	2	0
16	2	2	2	3	2	2	2	3	5	3	2	0
17	2	2	2	3	2	2	2	2	11	5	3	0
18	2	2	2	3	2	2	2	4	4	3	2	0
19	2	2	2	3	2	2	2	4	3	3	1	0
20	2	2	2	3	2	2	2	6	3	3	1	0
21	2	2	2	3	2	2	2	4	7	3	1	0
22	2	2	2	3	2	2	2	4	7	5	3	0
23	2	2	2	3	2	2	2	5	5	4	1	0
24	2	2	2	3	2	2	2	4	5	3	1	0
25	2	2	2	3	2	2	2	4	5	3	1	0
26	2	2	2	3	2	2	1	5	4	3	1	0
27	2	2	2	3	2	2	1	5	4	3	1	0
28	2	2	2	3	2	1	2	4	9	4	1	0
29	2	2	2	3	.....	1	2	4	7	3	0	0
30	2	2	2	3	.....	1	2	4	14	4	0	0
31	.....	.....	3	3	.....	1	.....	4	.....	3	0	.....
Mean	2	2	2	3	2	2	2	4	5	4	2	0
Max.	2	2	2	3	2	2	2	11	14	6	3	1
Min.	1	2	2	3	2	1	1	2	3	3	0	0
A.F.	107	119	155	184	111	111	103	214	288	232	107	2
Total acre-feet 1733.												

REPORT OF THE STATE ENGINEER

DeGRAW DRAIN—Sec. 24-20-51 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	5	4	3	3	3	4	2	2	3	1	2
2	8	5	4	3	3	3	4	2	2	3	1	2
3	7	5	4	3	3	3	4	2	2	3	1	2
4	7	5	4	3	3	3	4	2	2	3	1	2
5	7	5	4	3	3	3	4	2	2	3	1	3
6	7	5	4	3	3	3	4	2	2	3	1	3
7	7	5	4	3	3	3	4	2	2	3	1	3
8	7	5	4	3	3	3	4	2	2	3	1	3
9	7	5	4	3	3	3	4	2	2	3	1	3
10	7	5	4	3	3	3	4	2	2	3	1	3
11	7	5	4	3	3	3	4	1	3	3	1	3
12	7	5	4	3	3	3	4	1	3	3	1	3
13	7	5	4	3	3	3	4	1	3	3	1	3
14	7	5	4	3	3	3	4	1	3	3	2	3
15	7	5	4	3	3	3	4	1	3	3	2	3
16	6	5	4	3	3	3	3	1	3	3	2	3
17	6	5	4	3	3	3	3	1	3	3	2	3
18	6	5	4	3	3	3	3	1	3	3	2	3
19	6	5	4	3	3	3	3	1	3	3	2	3
20	6	5	4	3	3	3	3	1	3	3	2	3
21	6	4	3	3	3	4	3	1	3	3	2	4
22	6	4	3	3	3	4	3	1	3	3	2	4
23	6	4	3	3	3	4	3	1	3	3	1	4
24	6	4	3	3	3	4	3	1	3	3	1	4
25	6	4	3	3	3	4	3	1	3	3	1	4
26	5	4	3	3	3	4	2	2	3	3	1	4
27	5	4	3	3	3	4	2	2	3	3	1	4
28	5	4	3	3	3	4	2	2	3	3	1	4
29	5	4	3	3	3	4	2	2	3	3	1	4
30	5	4	3	3	3	4	2	2	3	3	1	4
31	5	4	3	3	3	4	2	2	3	3	1	4
Mean	6	5	4	3	3	3	3	2	3	3	2	3
Max.	8	5	4	3	3	4	4	2	3	3	2	4
Min.	5	4	3	3	3	2	2	1	2	2	1	2
A.F.	391	278	224	184	127	206	198	93	168	135	97	188

Total acre-feet 2289.

DUGOUT CREEK, LOWER—Sec. 20-19-48 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	0	0	0	0	0
2	*	*	*	*	*	*	*	0	2	0	0	0
3	*	*	*	*	*	*	*	0	0	0	0	0
4	*	*	*	*	*	*	*	0	0	0	0	0
5	*	*	*	*	*	*	*	0	0	0	0	0
6	*	*	*	*	*	*	*	0	0	0	0	0
7	*	*	*	*	*	*	*	0	0	0	0	0
8	*	*	*	*	*	*	*	0	0	0	0	0
9	*	*	*	*	*	*	*	0	0	0	0	0
10	*	*	*	*	*	*	*	0	0	0	0	0
11	*	*	*	*	*	*	*	0	0	0	0	0
12	*	*	*	*	*	*	*	0	0	0	0	0
13	*	*	*	*	*	*	*	0	0	0	0	0
14	*	*	*	*	*	*	*	0	0	0	0	0
15	*	*	*	*	*	*	*	0	0	0	0	0
16	*	*	*	*	*	*	*	0	0	0	0	0
17	*	*	*	*	*	*	*	0	0	0	0	0
18	*	*	*	*	*	*	*	0	0	10	0	0
19	*	*	*	*	*	*	*	0	0	0	0	0
20	*	*	*	*	*	*	*	0	0	0	0	0
21	*	*	*	*	*	*	*	0	0	0	0	0
22	*	*	*	*	*	*	*	0	3	0	0	0
23	*	*	*	*	*	*	*	0	5	0	0	0
24	*	*	*	*	*	*	*	2	0	0	0	0
25	*	*	*	*	*	*	*	0	0	0	0	0
26	*	*	*	*	*	*	*	0	0	0	0	0
27	*	*	*	*	*	*	*	0	0	0	0	0
28	*	*	*	*	*	*	*	0	0	0	0	0
29	*	*	*	*	*	*	*	0	0	0	0	0
30	*	*	*	*	*	*	*	0	0	0	0	0
31	*	*	*	*	*	*	*	0	0	0	0	0
Mean	*	*	*	*	*	*	*	0.1	0.3	0.3	0	0
Max.	*	*	*	*	*	*	*	2	5	10	0	0
Min.	*	*	*	*	*	*	*	0	0	0	0	0
A.F.	*	*	*	*	*	*	*	4	20	20	0	0

Total acre-feet 44.

*No record.

DEPARTMENT OF ROADS AND IRRIGATION

601

DUGOUT CREEK, UPPER—Sec. 20-20-50 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	7	7	3	1	2	2	1	5	4	4	6
2	13	10	7	3	1	3	2	1	12	4	4	7
3	13	13	7	3	1	3	1	0	32	2	3	6
4	13	13	7	3	1	3	1	0	48	5	4	7
5	13	13	7	3	1	3	1	0	47	2	2	7
6	13	13	7	3	1	3	1	0	28	8	6	6
7	12	13	7	3	1	2	1	1	23	7	6	21
8	12	12	7	3	1	2	1	1	17	6	5	7
9	12	12	6	3	1	2	1	2	15	7	5	8
10	11	12	6	3	1	2	1	2	26	3	5	7
11	11	11	6	3	1	2	1	22	26	1	2	13
12	11	11	6	3	1	2	3	6	29	6	5	14
13	10	11	6	3	1	2	3	3	41	1	5	14
14	10	11	6	3	1	2	3	24	26	3	5	10
15	10	10	6	3	1	2	2	15	28	3	7	8
16	9	10	5	2	1	2	2	13	25	5	7	8
17	8	10	5	2	2	1	2	13	36	5	6	7
18	7	10	5	2	1	2	2	3	24	2	6	6
19	7	10	5	2	2	1	2	3	31	5	5	6
20	7	9	5	2	2	1	2	2	33	3	5	12
21	7	9	5	2	2	1	2	2	49	4	5	6
22	7	9	4	2	2	1	2	2	5	6	4	6
23	7	9	4	2	2	1	1	3	3	5	4	6
24	7	9	4	2	2	1	1	2	2	3	5	8
25	7	9	4	2	2	1	1	6	3	3	5	7
26	7	8	4	2	2	1	1	4	2	4	4	6
27	7	8	4	2	2	1	1	4	2	1	4	6
28	7	8	4	1	2	3	1	3	2	3	5	7
29	7	8	4	1	....	3	1	3	1	3	6	7
30	7	8	4	1	....	2	1	2	3	3	7	7
31	7	....	4	1	....	2	....	1	....	3	6	....
Mean	9	10	5	2	1	2	2	5	21	4	5	8
Max.	13	13	7	3	2	3	3	24	49	8	7	21
Min.	7	7	4	1	1	1	1	0	1	1	2	6
A.F.	579	607	333	145	79	115	91	286	1238	238	301	488
Total acre-feet 4500.												

ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72	101	130	130	140	140	208	135	107	76	37	36
2	74	135	130	135	135	150	210	133	116	72	37	37
3	73	249	130	140	110	170	208	137	112	66	31	37
4	73	105	132	145	140	165	212	134	105	70	28	34
5	71	98	132	150	140	160	214	131	98	68	28	32
6	72	100	135	145	140	170	191	134	94	64	34	29
7	71	110	140	140	130	175	184	138	93	60	39	28
8	71	120	145	140	120	185	177	133	90	57	39	28
9	75	125	145	145	110	195	173	128	93	55	38	32
10	81	138	143	145	110	210	168	123	123	50	68	32
11	85	135	140	145	110	230	158	118	126	47	73	31
12	86	142	140	140	115	253	153	116	115	41	78	29
13	84	140	135	140	125	362	150	116	121	39	77	25
14	80	130	135	130	130	277	150	115	119	36	61	21
15	79	125	135	125	125	173	151	113	113	34	53	19
16	78	131	130	122	125	189	187	112	107	32	51	19
17	78	132	125	115	125	186	139	110	99	31	52	23
18	78	135	125	115	130	195	210	105	90	31	50	25
19	78	130	130	120	135	216	198	99	83	33	46	24
20	81	130	130	125	140	208	191	98	80	33	41	23
21	86	128	130	125	135	206	184	100	95	30	39	23
22	89	125	130	130	135	202	175	113	98	28	38	25
23	91	115	130	135	130	202	168	140	87	30	37	25
24	96	105	135	136	130	196	164	145	76	30	37	28
25	105	105	140	145	135	193	162	141	95	54	36	31
26	112	105	135	145	135	186	158	164	112	63	36	36
27	102	105	130	150	135	173	150	184	90	60	35	44
28	95	112	120	150	135	169	144	153	94	50	37	44
29	98	120	115	155	....	186	140	137	94	45	41	44
30	98	130	120	155	....	193	138	123	82	41	38	46
31	99	....	125	150	....	204	....	113	....	37	35	....
Mean	84	125	132	138	130	194	176	127	100	472	44	30
Max.	112	249	145	155	140	277	214	184	126	76	78	46
Min.	71	98	115	115	110	140	138	98	76	28	28	19
A.F.	5180	7440	8130	8470	7210	11940	10440	7820	5960	2900	2720	1800
Total acre-feet 80010.												

REPORT OF THE STATE ENGINEER

ELKHORN RIVER AT WATERLOO—Sec. 10-15-10 E.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	302	342	400	360	350	320	665	475	948	541	164	126
2	294	358	395	370	330	370	660	458	680	496	148	132
3	290	437	370	380	300	420	645	446	552	514	164	126
4	290	446	400	400	290	540	625	433	433	400	192	123
5	278	408	404	420	295	500	625	433	383	746	135	123
6	266	433	433	425	280	480	625	429	354	450	117	108
7	266	488	471	410	270	480	611	450	338	338	151	100
8	266	463	488	420	245	600	620	501	330	314	188	91
9	266	408	492	430	225	800	616	762	318	298	151	91
10	278	412	463	440	210	1200	582	718	334	266	144	88
11	282	412	454	420	220	1600	536	850	338	258	157	83
12	302	400	433	390	240	2500	518	559	318	238	164	86
13	286	387	358	360	250	3700	505	467	330	210	181	78
14	290	383	379	340	280	4780	505	429	358	195	391	72
15	282	383	358	310	250	2140	514	408	400	181	310	66
16	274	383	360	230	245	1520	514	395	391	167	298	64
17	274	395	365	270	240	1200	514	387	338	164	282	66
18	274	395	375	260	250	972	564	374	314	157	254	64
19	270	395	390	275	270	966	592	370	302	160	206	68
20	262	395	400	288	300	1150	611	358	290	151	188	68
21	274	395	390	300	285	1030	620	458	294	164	199	66
22	278	383	380	320	280	884	611	404	322	314	334	66
23	282	362	390	330	285	867	577	379	310	188	318	66
24	286	278	400	340	290	840	545	350	437	154	290	66
25	290	242	410	350	292	790	564	326	334	270	230	74
26	298	225	370	345	300	784	541	370	314	160	181	76
27	306	220	330	360	310	757	518	746	518	514	157	94
28	318	290	310	370	320	746	510	1280	1160	391	144	97
29	318	340	340	380	.....	713	492	1300	867	258	148	102
30	330	400	350	390	.....	680	488	1240	645	177	126	105
31	330	.....	355	400	.....	670	.....	1140	.....	157	120	.....
Mean	287	375	394	359	275	1129	570	571	441	290	201	88
Max.	330	488	492	440	350	4780	665	1300	1160	746	391	132
Min.	262	220	310	260	210	320	488	326	290	151	117	64
A.F.	17660	22330	24220	22080	15280	69410	33940	35100	26240	17830	12360	5230
Total acre-feet 301700.												

ELM CREEK—Sec. 33-9-18 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	0	9	6	0	0	2	1	3	3	0	0
2	2	0	0	0	0	0	2	1	5	3	0	0
3	2	0	0	0	0	0	2	1	22	8	0	0
4	2	0	0	0	0	0	2	2	6	7	0	0
5	1	0	0	0	0	0	2	2	5	7	0	0
6	1	0	0	0	0	1	2	1	5	7	0	0
7	1	0	0	0	0	1	2	8	5	3	0	0
8	1	0	0	0	0	1	2	6	4	24	0	0
9	1	0	0	0	0	1	3	4	5	7	0	0
10	1	0	0	0	0	1	3	1	285	1	0	0
11	1	0	0	6	0	1	3	3	310	10	2	0
12	1	0	0	0	0	1	3	3	48	0	4	0
13	1	0	0	0	0	1	3	2	31	0	3	0
14	1	0	0	0	0	1	3	2	43	0	3	0
15	1	0	0	0	0	1	3	1	17	0	4	0
16	1	0	0	0	0	1	3	1	40	0	2	0
17	1	0	0	0	0	1	3	9	42	1	1	0
18	1	0	0	0	0	1	4	2	7	0	0	0
19	1	0	0	0	0	1	4	1	6	0	0	0
20	1	0	0	0	0	1	4	3	4	26	0	0
21	1	0	0	0	0	1	4	3	260	1	0	0
22	0	0	0	0	0	1	4	7	280	0	0	0
23	0	0	0	0	0	1	4	24	120	1	0	0
24	0	0	0	0	0	1	4	20	20	0	0	0
25	0	0	0	0	0	2	4	29	30	3	0	0
26	0	0	0	0	0	2	4	30	150	3	0	0
27	0	0	0	0	0	2	4	90	14	0	0	0
28	0	0	0	0	0	2	4	59	25	0	0	0
29	0	0	0	0	.....	2	4	28	24	0	0	0
30	0	0	0	0	.....	2	4	4	22	0	0	0
31	0	.....	0	0	.....	2	.....	9	.....	0	0	.....
Mean	1	0	0	0	0	1	3	11	61	3	1	0
Max.	4	0	0	0	0	2	4	90	310	26	4	0
Min.	0	0	0	0	0	0	2	0	3	0	0	0
A.F.	54	0	0	0	0	65	188	690	3646	228	38	0
Total acre-feet 4909.												

DEPARTMENT OF ROADS AND IRRIGATION

FAIRFIELD SEEP—Sec. 18-21-53 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1	0	0	0	0	0	0	3	1	1	2
2	0	1	0	0	0	0	0	0	3	1	1	3
3	0	1	0	0	0	0	0	0	2	1	1	3
4	0	1	0	0	0	0	0	0	1	1	1	3
5	0	1	0	0	0	0	0	0	1	1	1	3
6	0	1	0	0	0	0	0	0	0	1	1	3
7	0	1	0	0	0	0	0	0	1	3	2	3
8	0	1	0	0	0	0	0	0	0	3	4	3
9	0	1	0	0	0	0	0	0	0	2	4	2
10	0	1	0	0	0	0	0	0	0	2	4	2
11	0	0	0	0	0	0	0	0	0	2	4	2
12	0	0	0	0	0	0	1	0	3	1	4	2
13	0	0	0	0	0	0	1	0	2	1	3	2
14	0	0	0	0	0	0	1	0	1	0	3	2
15	0	0	0	0	0	0	0	0	1	0	3	2
16	0	0	0	0	0	0	0	0	1	0	3	2
17	0	0	0	0	0	0	0	0	2	0	3	2
18	0	0	0	0	0	0	0	1	2	0	3	1
19	0	0	0	0	0	0	0	1	2	0	2	1
20	0	0	0	0	0	0	0	2	1	0	2	1
21	1	0	0	0	0	0	0	2	1	0	2	1
22	1	0	0	0	0	0	0	2	1	0	2	1
23	1	0	0	0	0	0	0	3	1	0	2	1
24	1	0	0	0	0	0	0	3	1	0	2	1
25	1	0	0	0	0	0	0	3	1	1	2	1
26	1	0	0	0	0	0	0	3	1	1	2	1
27	1	0	0	0	0	1	0	3	1	1	2	1
28	1	0	0	0	0	2	0	3	1	1	2	1
29	1	0	0	0	....	1	0	2	1	1	2	1
30	1	0	0	0	....	1	0	1	1	1	2	1
31	1	....	0	0	....	1	....	1	....	1	2	....
Mean	0.4	0.3	0	0	0	0.2	0.1	1	1	1	2	2
Max.	1	1	0	0	0	2	1	4	3	3	4	3
Min.	0	0	0	0	0	1	0	0	0	0	1	1
A.F.	22	20	0	0	0	12	6	61	73	56	143	107

Total acre-feet 500.

FANNING SEEP—Sec 28-23-56 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	6	4	3	1	3	2	2	2	1	1	2
2	5	6	4	3	0	3	2	2	4	1	1	2
3	5	6	4	3	0	3	2	2	3	1	1	2
4	5	6	4	3	0	3	2	2	4	1	1	2
5	5	6	4	3	0	3	2	2	4	1	1	2
6	5	5	4	3	0	3	2	1	4	1	1	2
7	5	5	4	3	0	3	2	1	3	2	2	2
8	5	5	4	3	0	3	2	1	3	2	4	3
9	6	5	4	3	0	3	2	1	3	2	4	3
10	6	5	4	3	0	3	2	1	2	2	4	3
11	6	5	4	3	0	2	2	1	2	2	4	3
12	6	5	4	3	0	2	2	1	2	1	4	3
13	6	5	4	3	0	2	2	1	2	1	3	3
14	6	5	4	3	0	2	2	2	3	1	3	3
15	6	5	4	3	0	2	2	2	3	1	3	3
16	6	5	4	2	0	2	2	2	4	1	3	3
17	6	5	4	2	0	2	2	2	4	1	3	3
18	6	5	4	2	1	2	2	2	4	2	3	3
19	6	5	4	2	1	2	2	2	3	2	3	3
20	6	5	4	2	1	2	2	2	3	2	3	3
21	6	5	3	2	1	2	2	2	3	2	3	3
22	6	5	3	2	1	2	2	2	3	2	3	3
23	6	5	3	2	1	2	2	2	3	2	3	3
24	6	5	3	2	1	2	2	2	2	2	3	3
25	6	5	3	2	2	2	2	2	2	2	3	3
26	6	4	3	1	2	2	2	2	2	2	3	4
27	6	4	3	1	2	2	2	2	2	2	2	5
28	6	4	3	1	2	2	2	2	2	2	2	5
29	6	4	3	1	....	2	2	2	2	2	2	5
30	6	4	3	1	....	2	2	2	2	2	2	5
31	6	....	3	1	....	2	....	2	....	2	2	....
Mean	6	5	4	2	0.6	2	....	2	....	2	2	3
Max.	6	6	4	3	2	3	2	2	2	2	4	4
Min.	5	4	3	1	0	2	2	1	2	1	1	2
A.F.	353	298	224	141	32	143	119	107	172	99	159	180

Total acre-feet 2027.

REPORT OF THE STATE ENGINEER

FRENCHMAN RIVER ABOVE CHAMPION—Sec. 19-6-39 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	14	21	32	38	15	40	13	11	15	38	34
2	14	14	21	33	39	16	30	12	34	14	28	34
3	14	14	21	34	34	15	20	10	24	13	16	32
4	14	14	21	36	33	15	27	8	33	9	9	28
5	15	11	21	36	33	15	22	8	34	8	9	28
6	14	14	18	30	34	20	16	8	32	8	10	28
7	15	16	15	22	36	30	13	8	21	10	11	29
8	15	17	15	22	36	26	12	11	16	13	11	30
9	14	26	15	24	36	21	12	14	16	13	34	29
10	14	21	15	18	36	21	14	12	14	14	33	31
11	14	20	15	14	36	30	27	13	6	24	33	31
12	14	20	15	14	36	44	39	13	6	24	33	30
13	14	20	15	14	36	46	36	13	8	22	33	29
14	14	20	15	24	36	39	36	13	40	20	33	26
15	15	20	15	38	38	33	46	13	13	20	33	28
16	15	20	15	38	38	58	45	13	51	22	32	34
17	15	20	15	38	28	56	45	13	62	22	32	33
18	15	20	15	38	20	44	34	13	27	30	28	33
19	15	21	14	36	22	26	7	9	14	28	24	32
20	16	26	14	33	21	9	10	8	15	28	33	32
21	16	29	14	33	20	10	14	8	14	27	40	26
22	17	17	11	33	17	13	14	11	14	27	44	17
23	17	17	8	31	13	15	15	15	14	26	39	17
24	17	17	8	34	14	15	16	14	27	26	33	24
25	18	18	9	38	14	15	14	14	33	28	34	32
26	17	18	12	40	14	15	12	21	79	30	34	39
27	15	18	34	38	26	34	12	30	52	30	30	38
28	14	18	38	38	27	50	12	21	16	30	27	21
29	14	21	30	38	....	44	12	12	12	28	30	18
30	14	21	30	38	....	39	13	12	12	30	33	18
31	14	....	30	38	....	39	....	9	....	33	36	....
Mean	15	18	18	32	29	28	22	13	27	22	29	29
Max.	18	21	38	46	39	58	46	30	93	33	44	39
Min.	14	11	8	14	13	9	7	8	6	8	9	17
A.F.	918	1080	1106	1940	1610	1720	1320	777	1610	1330	1770	1710
Total acre-feet 16880.												

FRENCHMAN RIVER BELOW CHAMPION—Sec. 22-6-39 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	11	27	38	27	32	50	27	50	38	39	39
2	27	30	27	50	42	24	49	16	40	28	45	40
3	35	12	32	11	42	31	46	28	14	35	34	37
4	22	32	23	42	42	36	41	22	27	17	18	38
5	29	14	32	47	42	16	41	23	52	19	15	35
6	24	21	21	35	49	28	34	12	42	30	19	39
7	28	33	23	39	40	23	42	20	36	13	22	38
8	25	18	28	29	49	29	27	23	34	23	24	27
9	18	32	12	51	40	27	24	21	31	20	32	42
10	30	23	21	23	41	27	40	23	39	28	44	27
11	21	27	19	32	50	31	41	20	15	24	34	42
12	22	33	34	34	38	38	65	20	27	39	42	33
13	30	20	15	19	48	49	54	36	13	37	34	40
14	16	31	20	30	43	46	51	15	58	36	42	34
15	31	30	24	38	52	31	68	30	35	33	39	27
16	15	31	25	47	42	43	65	18	50	28	46	35
17	33	26	25	37	52	64	60	22	73	43	34	36
18	20	27	24	42	31	44	54	22	55	36	41	39
19	20	25	27	44	25	42	48	22	42	34	34	33
20	23	22	23	35	32	24	22	25	24	42	36	40
21	24	29	18	47	17	25	22	14	42	38	48	51
22	34	23	32	34	34	19	43	23	25	33	46	33
23	17	21	12	47	17	27	25	20	36	29	49	15
24	38	24	18	35	26	24	10	22	63	32	39	21
25	20	27	20	14	13	35	36	33	122	35	38	41
26	30	26	19	13	18	22	51	31	97	10	46	35
27	33	24	33	41	24	45	26	39	66	35	31	48
28	15	34	42	49	45	50	27	35	37	45	37	37
29	30	22	38	40	....	56	42	38	27	27	34	37
30	12	34	36	51	....	41	15	23	40	36	38	23
31	34	....	32	49	....	50	....	25	....	53	41	....
Mean	25	26	25	40	36	34	41	24	44	32	36	35
Max.	38	34	42	51	52	64	68	39	122	53	49	48
Min.	12	11	12	19	13	16	15	12	13	13	15	15
A.F.	1560	1520	1550	2430	2030	2120	2440	1480	2600	2000	2220	2070
Total acre-feet 24020.												

DEPARTMENT OF ROADS AND IRRIGATION

605

FRENCHMAN RIVER NEAR HAMLET—Sec. 30-5-34 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	83	84	89	90	78	82	105	68	76	119	83	71
2	82	86	91	97	88	88	104	80	96	107	88	74
3	72	79	78	93	81	90	98	72	90	96	73	75
4	80	76	88	97	82	90	103	70	97	96	77	69
5	77	76	80	95	84	89	100	74	78	92	74	71
6	73	80	88	96	84	79	97	69	68	85	71	67
7	72	82	92	98	81	90	94	72	81	76	64	72
8	73	82	80	99	80	93	94	70	83	77	64	69
9	74	88	92	94	54	94	92	82	81	74	70	72
10	76	88	84	96	64	84	85	73	79	71	69	76
11	81	89	85	98	80	94	95	71	75	65	66	72
12	74	93	76	100	100	92	96	69	72	62	64	72
13	78	88	75	101	96	81	96	70	81	62	66	67
14	75	81	74	100	90	92	96	70	74	62	68	70
15	78	88	79	85	84	97	96	68	83	64	71	72
16	70	93	82	88	94	101	98	76	81	68	72	71
17	72	93	85	92	98	100	96	70	79	65	70	71
18	80	92	83	94	101	95	109	66	79	71	71	64
19	69	85	85	96	98	110	104	64	78	64	69	72
20	77	88	91	98	92	103	100	76	94	59	71	76
21	73	86	89	96	84	107	96	76	99	71	74	74
22	77	88	89	98	94	104	94	65	86	68	79	74
23	74	88	87	100	109	100	84	65	81	72	76	74
24	73	88	90	100	92	94	80	61	108	64	75	72
25	80	92	88	101	94	92	86	73	342	66	77	73
26	81	96	85	96	82	84	85	76	167	62	76	80
27	84	92	74	97	88	80	83	80	202	66	76	77
28	74	97	75	98	86	100	85	80	186	76	72	77
29	81	91	66	100	.....	97	80	76	160	69	80	80
30	85	94	72	100	.....	98	76	78	138	68	70	78
31	76	.....	76	94	.....	100	.....	77	.....	69	62	.....
Mean	77	87	83	96	87	94	94	72	106	74	72	73
Max.	85	97	92	101	101	110	109	82	342	119	88	80
Min.	69	76	72	85	54	79	76	61	68	59	62	64
A.F.	4710	5200	5090	5920	4820	5760	5570	4440	6340	4530	4440	4330
Total acre-feet 61150.												

FRENCHMAN RIVER AT CULBERTSON—Sec. 17-3-31 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	57	48	129	151	170	149	182	124	20	180	18	25
2	58	53	130	156	161	149	184	123	20	139	15	19
3	45	50	129	154	153	156	186	134	30	112	10	23
4	37	46	129	161	146	161	182	115	30	102	9	23
5	34	47	129	156	154	166	180	93	32	83	8	23
6	32	42	120	160	153	166	174	86	29	75	9	22
7	38	50	124	165	140	162	171	77	20	57	15	23
8	35	55	134	154	135	161	159	78	17	51	20	23
9	37	58	130	165	57	161	159	71	19	45	14	23
10	34	54	142	153	73	159	164	75	18	41	14	24
11	37	48	132	161	112	159	162	67	18	28	18	23
12	37	47	140	163	175	178	168	56	18	28	20	27
13	33	61	135	167	160	176	174	58	19	16	16	23
14	33	58	129	165	145	168	174	51	20	18	33	21
15	38	58	138	153	140	169	174	49	16	20	32	22
16	49	57	143	151	150	168	176	37	14	33	32	24
17	41	55	145	148	160	166	178	35	14	30	27	25
18	43	61	140	151	170	159	178	33	25	32	34	24
19	39	64	143	158	160	161	187	30	22	31	30	23
20	34	64	142	160	150	168	186	25	660	31	33	23
21	36	66	148	153	140	162	178	29	201	27	27	23
22	36	80	146	156	161	159	171	27	113	30	25	23
23	44	116	145	160	164	157	169	27	88	30	31	23
24	40	127	143	163	150	159	161	26	81	30	32	23
25	38	120	142	165	155	156	147	27	262	31	32	23
26	38	120	142	161	145	154	147	33	334	27	32	24
27	43	124	118	163	155	159	112	33	184	25	27	23
28	47	126	120	165	156	149	140	33	201	27	25	28
29	48	130	111	170	.....	144	140	29	203	27	24	22
30	46	129	120	169	.....	156	126	34	193	27	25	22
31	43	.....	124	167	.....	162	.....	27	.....	31	24	.....
Mean	40	74	134	160	146	161	167	56	97	47	23	23
Max.	58	130	148	170	175	178	187	134	660	180	34	28
Min.	32	42	111	148	57	144	126	25	14	16	8	19
A.F.	2480	4390	8220	9830	8120	9880	9960	3460	5790	2900	1410	1380
Total acre-feet 67820.												

REPORT OF THE STATE ENGINEER

GERING DRAIN NEAR GERING—Sec. 6-21-54 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	35	33	26	25	23	22	28	49	31	43	31
2	64	34	33	26	30	23	23	21	44	32	36	31
3	55	35	33	26	22	23	23	20	45	32	35	36
4	49	34	32	26	23	23	22	20	44	33	32	31
5	37	34	32	25	22	22	22	20	31	33	33	33
6	38	33	31	25	23	23	23	21	31	34	37	33
7	37	31	31	25	23	31	23	33	37	26	44	32
8	37	33	31	25	22	41	23	46	42	33	36	34
9	37	34	30	27	23	33	22	36	44	31	39	34
10	37	33	30	26	24	27	22	30	44	29	37	35
11	37	34	30	25	23	26	23	22	51	28	33	31
12	37	33	29	25	23	26	22	25	54	28	31	30
13	36	32	29	25	24	28	23	26	56	29	32	33
14	37	33	29	25	24	26	22	35	50	29	31	33
15	37	33	29	25	24	26	22	32	76	29	27	31
16	37	33	28	25	24	25	22	31	124	28	26	29
17	37	34	28	24	25	26	22	31	89	30	27	31
18	36	33	27	24	25	26	22	32	86	35	27	29
19	35	31	27	24	24	26	22	27	68	32	27	27
20	35	33	27	24	24	26	22	27	71	32	33	27
21	36	33	27	24	24	26	22	29	61	33	27	29
22	36	33	27	24	23	26	20	31	47	34	28	29
23	35	31	26	24	23	26	20	30	40	34	27	29
24	35	33	27	23	23	27	20	28	42	35	25	29
25	35	32	27	23	24	26	20	31	42	35	24	29
26	34	32	25	23	23	25	20	30	37	36	25	29
27	35	33	25	24	23	24	20	42	31	36	33	29
28	34	33	26	24	23	24	20	40	32	38	30	28
29	34	33	25	23	.....	24	19	42	34	37	29	27
30	34	33	26	23	.....	23	20	42	31	44	28	27
31	35	.....	26	23	.....	23	.....	41	.....	41	29	.....
Mean	38	33	28	24	23	26	21	30	51	33	31	30
Max.	64	35	33	27	30	44	23	46	124	44	44	36
Min.	34	31	25	23	22	22	19	20	31	28	24	27
A.F.	2370	1970	1760	1510	1320	1600	1290	1880	3040	2040	1930	1820
Total acre-feet 22530.												

HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	71	43	24	22	19	18	22	12	50	43	47	34
2	176	45	31	20	15	22	23	12	71	40	44	34
3	67	43	30	20	16	21	21	12	82	39	41	33
4	78	44	27	18	13	21	20	12	37	68	44	37
5	68	43	30	19	12	18	19	12	31	51	41	38
6	62	40	31	21	12	19	18	17	28	43	40	37
7	60	38	24	24	11	32	21	68	77	40	53	36
8	59	39	23	21	11	56	18	55	84	35	62	39
9	58	40	21	26	12	67	18	34	57	36	51	38
10	60	40	20	23	11	69	18	16	58	34	47	44
11	60	39	24	21	12	65	19	14	47	31	45	44
12	58	38	20	22	16	46	18	18	74	36	44	44
13	57	44	20	20	17	35	17	29	106	37	45	42
14	56	37	20	19	16	29	16	14	63	31	43	47
15	54	38	23	21	16	25	17	73	49	33	44	49
16	52	38	27	21	17	25	18	31	82	37	44	46
17	53	38	24	23	19	24	14	20	130	37	40	44
18	51	36	24	23	18	24	18	21	157	39	40	44
19	49	35	21	24	16	25	18	22	141	40	37	32
20	50	37	22	23	16	24	16	23	130	40	40	32
21	50	36	18	22	17	22	15	26	131	40	38	28
22	49	31	21	18	17	21	14	27	115	44	37	27
23	47	36	18	21	18	21	14	24	83	44	40	29
24	46	28	21	22	17	20	14	26	59	45	45	31
25	46	30	23	18	18	19	14	29	39	47	41	37
26	44	28	21	21	18	18	14	29	40	46	41	51
27	46	27	18	18	16	19	13	32	40	47	42	47
28	44	26	23	20	16	21	16	38	40	44	42	46
29	43	26	20	19	.....	22	13	33	47	43	43	46
30	43	21	23	19	.....	24	13	33	42	55	45	44
31	43	.....	23	20	.....	23	.....	39	.....	59	41	.....
Mean	58	35	23	21	15	28	17	28	73	42	43	39
Max.	176	45	31	26	19	69	23	73	157	68	62	51
Min.	43	21	18	18	11	18	13	12	28	33	37	27
A.F.	3570	2140	1420	1290	857	1780	1010	1750	4340	2600	2670	2340
Total acre-feet 25770.												

DEPARTMENT OF ROADS AND IRRIGATION

607

INDIAN CREEK—Sec. 19-20-50 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45	9	8	6	3	6	7	3	2	4	5	8
2	40	9	8	6	3	6	7	4	2	7	6	11
3	35	9	8	6	3	6	6	4	28	6	3	10
4	30	9	8	6	3	6	6	4	3	10	8	10
5	30	9	8	6	3	6	6	5	4	9	9	16
6	25	9	8	6	3	6	6	5	7	5	11	14
7	25	9	8	6	3	6	6	6	7	11	12	0
8	20	9	8	6	3	6	6	5	6	9	8	16
9	20	9	8	6	3	6	6	4	7	6	8	14
10	15	9	8	6	3	6	6	8	7	7	11	13
11	12	9	7	6	3	5	5	19	8	8	15	13
12	12	9	7	6	3	5	9	10	10	9	13	13
13	12	9	7	6	3	5	8	7	11	9	15	13
14	12	9	7	6	3	5	8	16	12	7	11	11
15	12	9	7	6	3	5	7	14	12	12	13	11
16	11	9	7	6	3	5	7	5	13	11	11	13
17	11	9	7	6	4	5	7	2	13	13	9	16
18	11	9	7	6	4	5	6	5	13	12	11	11
19	11	9	7	6	4	5	6	2	12	5	12	15
20	11	9	7	5	4	5	6	3	12	6	12	14
21	10	8	7	5	5	5	6	6	14	6	12	11
22	10	8	7	5	5	5	5	3	10	5	11	11
23	10	8	7	5	5	5	5	6	9	5	12	10
24	10	8	7	5	5	5	5	3	9	2	13	10
25	10	8	7	5	5	5	5	8	9	2	15	7
26	10	8	6	4	5	5	5	8	8	5	15	8
27	10	8	6	4	5	6	4	5	5	8	11	11
28	10	8	6	4	5	8	4	5	14	7	11	10
29	10	8	6	4	.....	8	4	3	14	8	10	10
30	10	8	6	4	.....	7	4	3	5	11	10	9
31	9	.....	6	3	.....	7	.....	7	.....	9	7	.....
Mean	16	9	7	5	4	6	6	6	9	8	11	11
Max.	45	9	8	6	5	8	9	19	28	16	15	16
Min.	9	8	6	3	3	5	4	2	2	2	3	0
A.F.	1010	516	438	331	206	349	337	383	557	494	654	672

Total acre-feet 5947.

LANE DRAIN—Sec. 30-23-57 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	2	3	2	1	2	2	1	2	3	3	3
2	4	2	3	2	1	2	2	1	2	3	3	3
3	4	3	3	2	1	2	2	1	3	4	3	3
4	4	4	3	2	1	2	1	1	3	4	3	3
5	4	4	3	2	1	2	1	1	2	4	3	3
6	4	4	3	2	1	2	1	2	2	4	2	3
7	4	4	3	2	1	2	2	2	3	4	2	3
8	4	4	3	2	1	2	2	2	3	4	5	3
9	4	4	3	2	1	2	2	1	3	4	5	2
10	4	4	3	2	1	1	1	1	3	4	4	3
11	4	3	3	3	1	1	1	1	3	4	4	4
12	4	3	3	3	1	1	2	2	2	4	3	4
13	4	3	3	3	1	1	1	2	2	4	3	4
14	4	3	3	3	1	1	1	1	2	4	3	4
15	4	3	3	3	1	1	1	1	2	4	2	4
16	3	3	3	2	1	1	1	1	3	4	2	4
17	3	3	3	2	1	1	1	1	4	4	2	4
18	3	3	3	2	1	1	1	1	3	4	2	4
19	3	3	3	2	1	1	1	1	3	4	2	4
20	3	3	3	2	1	1	1	1	2	4	3	4
21	3	3	3	2	1	1	1	1	4	3	3	5
22	3	3	3	2	1	1	1	1	5	3	3	5
23	3	3	3	2	1	1	1	1	5	3	3	5
24	3	3	3	2	1	1	1	1	4	3	3	5
25	3	3	3	2	1	1	1	1	4	3	3	5
26	2	3	2	1	2	1	1	1	4	3	3	6
27	2	3	2	1	2	1	1	1	4	3	3	6
28	2	3	2	1	.....	2	1	1	4	3	3	6
29	2	3	2	1	.....	3	1	1	4	3	3	6
30	2	3	2	1	.....	3	1	1	4	3	3	6
31	2	.....	2	1	.....	3	.....	1	.....	3	3	.....
Mean	3	3	2	2	.....	2	.....	1	3	4	3	4
Max.	4	4	3	3	3	3	2	2	5	4	5	6
Min.	2	2	2	1	1	1	1	1	2	3	2	3
A.F.	202	188	153	121	85	93	73	71	188	220	182	248

Total acre-feet 1824.

REPORT OF THE STATE ENGINEER

LINCOLN COUNTY DRAIN NO. 1—Sec. 30-14-30 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	55	51	49	46	44	42	40	41	60	77	70	59
2	55	51	49	46	44	42	40	41	67	75	69	59
3	55	51	49	46	44	42	40	41	59	77	67	59
4	54	51	49	46	44	42	40	41	59	78	67	55
5	54	51	49	46	44	42	40	42	59	78	67	55
6	54	50	48	46	44	42	40	40	59	78	67	54
7	53	50	48	46	44	42	40	40	59	75	67	54
8	53	50	48	46	44	42	40	40	59	75	83	54
9	53	50	48	46	44	42	40	40	75	75	83	54
10	52	50	48	46	44	42	40	40	70	70	83	58
11	52	50	48	45	43	41	40	46	67	75	78	55
12	52	50	48	45	43	41	42	44	67	70	87	55
13	51	50	48	45	43	41	42	43	69	67	78	55
14	51	50	48	45	43	41	42	58	63	67	78	61
15	51	50	48	45	43	41	43	51	70	63	75	63
16	51	50	48	45	43	41	43	56	75	67	77	60
17	51	50	47	45	43	41	43	63	78	67	66	79
18	51	50	47	45	43	41	44	55	67	67	62	80
19	51	50	47	45	43	41	44	59	67	67	70	63
20	51	50	47	45	43	41	41	75	83	59	70	63
21	51	50	47	45	42	40	44	75	82	51	69	63
22	51	50	47	45	42	40	44	70	91	51	54	67
23	51	50	47	45	42	40	44	70	75	59	65	72
24	51	50	47	45	42	40	44	59	67	59	55	63
25	51	49	47	45	42	40	44	59	78	63	55	79
26	51	49	47	44	42	40	44	70	75	63	55	79
27	51	49	47	44	42	40	44	70	87	63	55	75
28	51	49	47	44	42	40	44	59	90	63	54	79
29	51	49	47	44	.....	40	44	59	83	67	55	79
30	51	49	47	44	.....	40	44	63	83	67	59	79
31	51	.....	47	44	.....	40	.....	67	.....	67	60	.....
Mean	52	51	48	45	43	41	42	54	71	68	67	64
Max.	55	51	49	46	44	42	41	75	91	78	87	80
Min.	51	49	47	44	42	40	40	40	59	51	54	54
A.F.	3201	3058	2932	2775	2392	2519	2513	3322	4251	4165	4146	3826

Total acre-feet 39110.

LINCOLN COUNTY DRAIN NO. 2—Sec. 12-14-33 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	3	3	3	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3	3	3	3	3
9	3	3	3	3	3	3	3	3	3	3	3	3
10	3	3	3	3	3	3	3	3	3	3	3	3
11	3	3	3	3	3	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3	3	3	3	3	3
15	3	3	3	2	2	2	2	2	2	2	2	2
16	3	3	3	3	3	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3	3	3	3	3	3
18	3	3	3	3	3	3	3	3	3	3	3	3
19	3	3	3	3	3	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3	3	3	3	3	3
21	3	3	3	3	3	3	3	3	3	3	3	3
22	3	3	3	3	3	3	3	3	3	3	3	3
23	3	3	3	3	3	3	3	3	3	3	3	3
24	3	3	3	3	3	3	3	3	3	3	3	3
25	3	3	3	3	3	3	3	3	3	3	3	3
26	3	3	3	3	3	3	3	3	3	3	3	3
27	3	3	3	3	3	3	3	3	3	3	3	3
28	3	3	3	3	3	3	3	3	3	3	3	3
29	3	3	3	3	3	3	3	3	3	3	3	3
30	3	3	3	3	3	3	3	3	3	3	3	3
31	3	3	3	3	3	3	3	3	3	3	3	3
Mean	3	3	3	3	3	3	3	3	3	3	3	3
Max.	3	3	3	3	3	3	3	3	3	3	3	3
Min.	3	3	3	3	3	3	3	3	3	3	3	3
A.F.	184	178	151	123	111	123	119	123	131	123	149	127

Total acre-feet 1642.

DEPARTMENT OF ROADS AND IRRIGATION

609

LODGEPOLE CREEK AT BUSHNELL—Sec. 33-15-57 W.
Year Ending September 30, 1939

Date	Oct	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	16	16	16	8	13	19	16	14	7	5	6
2	15	17	17	17	11	13	19	17	14	7	5	5
3	15	19	16	15	14	14	19	18	12	7	5	5
4	15	18	13	16	15	15	19	15	11	7	5	5
5	15	18	17	13	14	14	19	15	10	7	4	5
6	15	17	17	15	13	13	18	16	9	6	4	6
7	15	14	16	16	14	15	22	16	9	6	5	6
8	15	17	17	17	12	18	20	15	9	6	8	6
9	15	17	17	15	10	20	19	14	9	6	11	6
10	15	17	16	13	12	21	19	13	9	6	8	7
11	15	17	13	10	12	20	20	13	9	5	8	8
12	15	17	14	12	14	25	19	13	9	5	8	6
13	15	15	15	11	15	23	19	13	9	5	7	6
14	15	15	15	11	16	22	18	13	8	4	7	6
15	14	16	16	10	16	20	19	12	9	4	7	6
16	14	17	18	11	12	20	20	12	9	4	7	6
17	16	17	17	10	10	20	62	12	9	5	7	6
18	16	15	16	12	11	20	8	12	8	5	6	6
19	16	17	16	15	12	21	15	12	8	5	6	7
20	16	17	17	14	12	21	52	11	8	5	7	7
21	16	15	17	14	12	22	27	11	8	5	6	7
22	15	14	16	14	12	21	24	12	8	4	6	6
23	15	12	14	13	13	21	21	12	7	4	6	6
24	15	11	15	13	13	20	20	11	7	4	6	6
25	15	13	16	13	13	21	19	12	7	4	6	6
26	15	15	11	14	12	19	18	12	7	4	6	7
27	15	12	12	14	12	20	18	11	7	5	6	7
28	15	14	14	14	12	19	18	10	10	5	6	8
29	15	16	13	14	....	20	18	10	7	4	7	8
30	15	16	16	14	....	22	17	10	7	5	6	8
31	16	....	18	14	....	20	....	24	....	5	6	....
Mean	15	16	16	14	13	19	22	13	9	5	6	....
Max.	16	19	18	17	16	25	62	24	14	7	11	8
Min.	14	11	11	10	8	13	8	10	7	4	4	5
A.F.	930	930	954	832	699	1180	1280	818	527	320	390	372

Total acre-feet 9230.

LODGEPOLE CREEK BELOW OLIVER RESERVOIR—Sec. 31-15-56 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	2	7	2	2	2
2	*	*	*	*	*	*	*	2	6	2	1	2
3	*	*	*	*	*	*	*	3	7	3	1	2
4	*	*	*	*	*	*	*	3	6	2	2	2
5	*	*	*	*	*	*	*	2	7	3	1	3
6	*	*	*	*	*	*	*	2	6	3	1	2
7	*	*	*	*	*	*	*	3	6	4	2	2
8	*	*	*	*	*	*	*	2	6	4	1	2
9	*	*	*	*	*	*	*	2	7	4	1	2
10	*	*	*	*	*	*	5	2	6	3	1	2
11	*	*	*	*	*	*	*	2	6	2	1	2
12	*	*	*	*	*	*	*	2	6	3	0	2
13	*	*	*	*	*	*	*	2	4	3	0	3
14	*	1	*	*	*	*	*	2	5	2	0	4
15	*	*	*	*	*	*	*	2	5	2	0	4
16	*	*	*	*	*	6	*	2	5	2	0	4
17	*	*	*	*	*	*	*	3	5	2	0	1
18	*	*	*	*	*	*	*	3	5	2	1	3
19	*	*	*	1	*	*	*	5	5	2	0	2
20	*	*	*	*	*	*	*	6	5	2	0	2
21	*	*	*	*	*	*	*	8	4	1	0	2
22	*	*	*	*	3	*	*	8	4	2	0	2
23	*	*	*	*	*	*	*	7	3	2	0	1
24	*	*	*	*	*	*	*	6	3	3	0	2
25	0	*	*	*	*	*	*	6	3	2	0	2
26	*	*	*	*	*	*	*	7	3	3	0	2
27	*	*	*	*	*	*	*	7	2	3	0	1
28	*	*	*	*	*	*	*	6	3	2	0	0
29	*	*	*	*	....	*	*	1	3	2	0	1
30	*	*	*	*	....	*	*	5	3	2	0	1
31	*	....	*	*	....	*	....	8	....	2	2	....
Mean	*	*	*	*	....	*	....	4	....	2	1	....
Max.	*	*	*	*	*	*	*	8	5	4	2	4
Min.	*	*	*	*	*	*	*	1	2	1	0	0
A.F.	†60	†60	†60	†90	†115	†190	†190	238	290	151	34	121

Total acre-feet 1599.

*No Record.

†Estimated.

REPORT OF THE STATE ENGINEER

LONERGAN CREEK—Sec. 19-15-39 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	5	4	5	3	6	5	5	0
2	*	*	*	*	5	4	3	3	7	5	3	2
3	*	*	*	*	5	4	3	3	7	5	2	2
4	*	*	*	*	5	4	3	3	7	5	3	4
5	*	*	*	*	5	4	4	3	6	5	3	2
6	*	*	*	*	5	3	4	3	6	5	4	1
7	*	*	*	*	5	3	4	3	6	5	4	1
8	*	*	*	*	5	3	4	3	6	5	4	2
9	*	*	*	*	5	3	3	3	6	5	3	2
10	*	*	*	*	5	3	3	4	6	5	3	2
11	*	*	*	*	6	3	3	4	6	5	3	1
12	*	*	*	*	6	3	5	4	6	5	3	1
13	*	*	*	*	6	2	4	4	6	4	4	1
14	*	*	*	*	6	2	3	3	6	4	3	1
15	*	*	*	*	6	2	2	4	6	4	3	1
16	*	*	*	*	6	2	5	4	6	4	2	1
17	*	*	*	*	6	2	5	3	6	5	2	1
18	*	*	*	*	6	2	4	3	6	6	2	1
19	*	*	*	*	5	2	4	3	6	6	2	1
20	*	*	*	*	5	2	4	3	5	6	2	1
21	*	*	*	*	5	1	4	3	5	6	2	2
22	*	*	*	*	5	1	4	4	5	6	2	2
23	*	*	*	*	5	1	4	6	5	6	0	2
24	*	*	*	*	5	1	4	5	5	6	0	2
25	*	*	*	*	5	1	3	4	5	6	0	2
26	*	*	*	*	5	1	3	5	5	6	2	3
27	*	*	*	*	5	1	3	6	5	5	0	3
28	*	*	*	*	5	2	3	6	5	4	0	3
29	*	*	*	*	3	3	5	5	0	0	5
30	*	*	*	*	3	3	5	5	6	0	5
31	*	*	*	*	3	.....	5	.....	0	2	.....
Mean	*	*	*	*	5	2	4	4	6	5	2	2
Max.	*	*	*	*	6	4	5	6	7	6	5	5
Min.	*	*	*	*	5	1	3	3	5	0	0	0
A.F.	*	*	*	*	294	149	218	244	341	298	133	113

Total acre-feet 1796

*No Record.

LOST CREEK—Sec. 1-16-44 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	0	0	0	0	2	2	1	4	0	0	0
2	1	0	0	0	0	3	2	3	7	0	0	0
3	1	0	0	0	0	2	2	2	3	0	0	0
4	1	0	0	0	0	2	2	1	1	0	0	0
5	1	0	0	0	0	2	2	1	0	0	0	0
6	1	0	0	0	0	2	2	3	0	0	0	0
7	1	0	0	0	0	2	2	3	0	0	0	0
8	1	1	0	0	0	2	2	2	0	0	0	0
9	1	1	0	0	0	1	2	2	0	0	0	0
10	1	1	0	1	0	1	2	1	1	0	0	0
11	1	1	0	1	0	1	3	1	0	0	0	0
12	0	1	1	1	0	1	4	2	1	0	0	0
13	0	1	2	1	0	1	3	2	2	0	0	0
14	0	1	2	1	0	1	3	1	3	0	0	0
15	0	1	2	1	0	1	2	1	2	0	0	0
16	0	1	2	1	0	1	3	1	1	0	0	0
17	0	1	1	1	0	1	2	1	0	0	0	0
18	0	1	1	1	0	1	2	1	0	0	0	0
19	0	0	1	0	0	1	2	1	0	0	0	0
20	0	0	1	0	0	1	2	1	0	0	0	0
21	0	0	1	0	0	1	2	0	0	0	0	0
22	0	0	1	0	0	1	2	1	1	0	0	0
23	0	0	1	0	0	1	1	0	0	0	0	0
24	0	0	1	0	0	1	1	0	0	0	0	0
25	0	0	0	0	1	1	1	6	0	0	0	0
26	0	0	0	0	2	1	1	4	0	0	0	0
27	0	0	0	0	2	2	1	4	0	0	0	0
28	0	0	0	0	2	2	1	2	0	0	0	0
29	0	0	0	0	.....	3	1	1	0	0	0	0
30	0	0	0	0	.....	2	1	1	0	0	0	0
31	0	.....	0	0	0	1	.....	0	.....	0	.....	.....
Mean	0.4	0.4	0.5	0.3	0.2	1	2	2	1	0	0	0
Max.	1	1	2	1	2	3	4	6	7	0	0	0
Min.	0	0	0	0	0	1	1	0	0	0	0	0
A.F.	22	22	31	13	14	91	115	99	52	0	0	0

Total acre-feet 467.

DEPARTMENT OF ROADS AND IRRIGATION

LOUP RIVER NEAR COLUMBUS
Highway Bridge on West Line of Sec. 30-17-1 E.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1160	1640	3730	1570	2250	1540	2820	1750	914	1020	282	210
2	1180	1600	2700	1570	1640	1900	2940	1800	1770	1010	1300	195
3	1280	2220	2650	1660	818	2310	3120	3480	1620	987	1360	480
4	1220	2250	3280	1930	770	3240	3250	1750	1620	714	968	324
5	1240	1960	2910	2710	786	2760	2880	1600	1620	700	686	170
6	1140	2080	2560	4300	882	2580	2850	1450	968	1750	480	134
7	1240	2150	2320	4160	570	2380	2590	1980	1020	1100	362	142
8	1240	2120	2220	4420	500	2920	2150	1380	968	850	394	142
9	1420	1890	2270	6020	440	3600	1890	1200	949	786	288	156
10	1450	2030	2080	5270	236	4280	1550	1100	4300	630	180	142
11	1450	1770	1860	4670	163	4880	1380	728	4580	618	160	120
12	1510	1710	2250	3560	301	5680	1510	714	2820	686	834	102
13	1470	1910	2000	2170	680	5360	1450	686	1780	522	534	108
14	1530	1840	1720	2430	960	4140	1620	1040	2590	420	394	100
15	1550	1750	1610	1280	700	2910	1730	1020	2030	270	318	98
16	1470	1840	1580	818	550	2350	1840	914	1640	165	1040	105
17	1380	1910	1870	728	505	2000	2000	914	1160	124	1220	93
18	1160	1820	1710	480	920	1890	2220	882	1100	105	450	98
19	1320	1770	1840	450	1500	2480	2220	850	968	264	330	91
20	1320	1660	1890	386	1840	2300	1840	770	714	346	232	100
21	1470	1640	1840	364	1450	2270	1640	742	714	582	190	102
22	1510	790	1890	960	1480	2620	1640	4100	786	834	185	110
23	1470	650	2080	990	1620	2680	1510	3190	3420	450	180	100
24	1400	802	2080	1150	1640	2150	1420	1910	2510	300	160	89
25	1530	714	1890	1400	1530	2680	1380	1450	1600	4180	165	91
26	1470	324	1660	1470	1650	2650	1510	6000	3450	2850	175	108
27	1380	264	1490	1660	1860	2430	1550	5140	6260	2100	170	115
28	1510	254	633	1910	1850	2760	1770	3090	3380	490	166	110
29	1510	394	592	1980	.....	2590	1860	1770	1770	318	152	237
30	1570	1300	1400	2170	.....	2510	1840	1470	1220	270	306	276
31	1600	.....	1620	2400	.....	2850	.....	1220	.....	264	264	.....
Mean	1390	1500	2000	2160	1070	2890	1999	1810	2006	830	448	148
Max.	1600	2250	3730	6020	2250	5680	3250	6000	6260	4180	1360	480
Min.	1140	254	592	364	163	1540	1380	686	714	105	152	89
A.F.	85590	89360	123400	133000	59680	177900	118900	111200	119400	50990	27600	8820

Total acre-feet 1105800.

LOUP RIVER, MIDDLE, AT SARGENT--Sec. 10-19-18 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	786	762	870	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	798	846	940	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	694	870	930	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	672	870	923	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	750	894	910	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	739	894	900	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	762	870	890	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	810	858	882	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	906	739	990	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	942	798	858	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	930	810	810	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	846	786	620	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	930	870	550	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	810	882	620	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	822	810	792	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	858	846	846	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	882	834	716	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	906	834	553	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	918	798	617	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	894	750	705	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	822	660	683	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	858	600	705	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	840	580	680	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	834	560	770	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	798	550	894	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	774	560	750	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	739	650	638	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	810	714	620	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	786	750	670	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	728	780	710	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	728	.....	750	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	818	768	767	.....	.....	.....	.....	.....	.....	.....	.....	.....
Max.	942	894	990	.....	.....	.....	.....	.....	.....	.....	.....	.....
Min.	672	550	550	.....	.....	.....	.....	.....	.....	.....	.....	.....
A.F.	50320	45670	47190	.....	.....	.....	.....	.....	.....	.....	.....	.....

Total acre-feet 143200.

Station discontinued Dec. 31, 1938.

REPORT OF THE STATE ENGINEER

LOUP RIVER, MIDDLE, AT ARCADIA—Sec. 26-17-16 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	700	945	1060	860	500	820	857	658	838	696	492	530
2	683	955	1100	1500	440	900	905	666	1120	658	524	558
3	683	915	965	1500	330	965	905	745	945	748	480	544
4	674	848	848	1400	220	900	925	691	965	658	468	550
5	658	925	895	1600	270	800	955	609	915	706	468	511
6	641	895	955	1700	350	780	955	641	819	630	480	485
7	632	800	886	1800	460	880	838	708	828	687	524	492
8	624	772	915	1800	320	1000	772	641	857	630	582	524
9	649	674	866	1800	200	1300	810	641	925	614	678	574
10	674	819	925	1130	130	1580	791	624	1260	614	658	550
11	745	915	905	1020	127	1660	763	700	905	574	658	537
12	700	895	895	985	160	1460	763	763	945	524	590	511
13	763	876	857	955	230	1370	745	763	1130	480	504	530
14	736	810	810	965	380	1060	763	726	817	485	480	518
15	736	745	819	530	360	945	828	708	748	474	463	511
16	763	717	810	461	330	975	935	717	706	441	452	550
17	745	838	925	440	380	945	763	658	658	420	511	550
18	828	838	955	430	520	935	683	666	630	485	530	504
19	838	782	1080	430	620	975	708	641	649	518	511	463
20	772	838	1260	440	580	995	745	666	696	518	590	463
21	745	819	1220	470	610	975	717	671	1100	452	558	504
22	745	580	1390	470	680	866	674	772	931	452	498	530
23	641	536	1380	480	720	886	751	1040	716	441	498	558
24	658	381	1310	500	700	995	782	1000	622	452	492	640
25	828	335	1170	520	740	875	717	975	1910	468	480	622
26	828	285	782	580	800	1020	572	1270	558	480	530	706
27	763	477	230	719	750	1020	543	1430	574	504	544	614
28	726	580	280	720	720	1160	602	1410	566	518	598	614
29	848	772	335	720	.....	1100	624	1210	622	537	668	760
30	876	980	420	740	.....	955	624	1020	640	498	558	696
31	905	.....	550	640	.....	915	.....	905	.....	463	566	.....
Mean	736	753	897	913	452	1036	767	817	853	543	537	557
Max.	905	989	1390	1800	800	1660	955	1450	1910	748	678	760
Min.	624	285	230	430	127	780	543	609	558	420	452	463
A.F.	15240	49780	55160	56140	25100	63690	45660	50260	50770	33370	32990	33120
Total acre-feet	536300.											

LOUP RIVER, MIDDLE, AT ST. PAUL—Sec. 10-14-10 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	779	964	3100	1400	680	1100	906	802	664	864	530	482
2	791	1390	3580	2400	560	1250	948	878	1240	802	620	520
3	862	1780	3710	2100	463	1550	934	2560	1660	802	708	463
4	768	1440	2510	1500	409	1200	1120	850	1330	814	612	5 0
5	768	1100	1810	2100	482	1000	1190	766	976	878	590	492
6	779	1220	1350	1900	906	920	1370	653	878	892	530	463
7	744	1190	1660	2000	1050	1180	1310	838	778	878	501	431
8	714	900	1570	2100	802	1350	1190	920	664	864	560	417
9	779	850	1350	2000	500	1700	1090	790	892	826	580	434
10	744	756	1330	1920	350	2300	1220	826	4060	730	631	431
11	803	875	1500	1500	400	2030	1120	778	2420	642	631	492
12	838	744	1310	1350	510	2200	1040	802	814	590	653	451
13	875	827	1080	1260	600	2010	962	864	675	520	850	425
14	900	1120	850	1420	680	1570	1020	802	990	417	612	377
15	952	815	913	1000	550	931	1130	850	850	401	520	361
16	827	803	900	800	500	1280	1190	814	864	417	510	385
17	827	926	862	620	650	1290	1450	766	790	401	472	417
18	779	1000	1080	570	800	1450	1450	719	766	401	492	570
19	913	1060	1220	551	960	1070	1240	754	642	664	492	550
20	1050	1040	1240	550	900	1010	1090	811	661	1370	520	530
21	1080	1020	1140	630	980	1090	976	766	766	631	590	501
22	964	733	1440	620	1000	934	906	1430	1370	520	560	560
23	1020	647	2090	630	1060	1050	802	1170	1800	401	520	570
24	1050	560	2220	631	1000	1090	850	920	1050	482	501	530
25	939	506	2950	620	1050	1120	864	1100	1220	754	501	675
26	1020	450	1000	802	1150	1670	976	2340	2930	1130	482	719
27	1040	640	350	976	1120	1090	1100	1150	2710	686	125	7 0
28	1040	800	400	906	1050	1190	1100	1570	1350	540	550	766
29	1040	1100	450	906	.....	1330	1010	1050	990	510	520	730
30	990	1600	600	931	.....	1190	918	906	920	520	540	754
31	990	.....	906	814	.....	962	.....	719	.....	520	530	.....
Mean	893	962	1499	1210	756	1307	1083	1009	1258	673	561	526
Max.	1080	1780	3710	2400	1150	2300	1450	2560	4060	1370	850	766
Min.	744	450	350	550	350	920	802	653	642	401	425	361
A.F.	54930	57220	92160	74400	41970	80350	64470	62020	74880	41390	34500	31310
Total acre-feet	709600.											

DEPARTMENT OF ROADS AND IRRIGATION

613

LOUP RIVER, NORTH, NEAR TAYLOR—Sec. 22-21-18 W.

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	395	375	600	480	350	570	577	390	405	405	475	330
2	410	405	550	590	310	592	541	415	455	350	455	305
3	405	415	540	740	280	580	515	425	536	370	227	325
4	400	400	588	700	290	550	475	450	500	420	184	345
5	395	400	525	750	320	520	470	420	400	445	184	320
6	385	430	510	780	380	520	425	415	375	455	203	320
7	390	460	546	810	390	540	415	430	430	415	212	330
8	380	475	551	760	370	550	415	470	110	395	198	295
9	365	485	505	710	340	540	430	460	460	360	251	320
10	375	470	485	686	327	530	435	400	505	355	355	320
11	385	490	505	598	380	556	435	375	435	295	330	315
12	400	495	455	530	410	556	410	380	460	256	330	315
13	410	490	415	455	400	536	415	370	520	232	305	236
14	395	485	430	470	420	572	370	365	470	208	275	220
15	380	440	465	335	380	460	410	380	455	188	256	241
16	385	430	490	305	390	340	500	345	430	193	260	270
17	390	435	475	290	410	435	465	330	400	212	256	280
18	395	475	505	280	430	435	435	290	400	212	246	275
19	405	480	515	300	440	490	415	265	390	227	236	270
20	410	480	536	320	420	510	445	295	470	188	241	270
21	390	435	510	320	380	505	445	285	593	169	256	285
22	365	370	541	310	410	520	475	340	541	169	241	275
23	350	360	536	310	460	536	420	345	490	174	241	280
24	360	340	536	340	470	536	425	335	490	160	222	290
25	385	330	562	370	500	546	420	365	686	151	212	285
26	395	340	310	405	530	536	395	380	390	156	236	310
27	405	360	300	445	520	520	370	567	375	169	236	305
28	385	420	320	415	540	525	370	556	370	193	360	310
29	365	540	340	435	.....	515	370	490	370	217	435	325
30	345	650	370	390	.....	485	380	420	395	208	445	315
31	360	.....	410	400	.....	510	.....	385	.....	217	320	.....
Mean	386	439	481	485	402	520	436	392	455	263	274	296
Max.	410	650	600	810	540	592	577	567	686	455	475	345
Min.	345	330	300	280	280	340	370	265	370	151	184	220
A.F.	23720	26100	29610	29840	22310	31970	25920	24080	27050	16190	16830	17620

Total acre-feet 291200.

LOUP RIVER, NORTH, AT SCOTIA—Sec. 8-17-12 W.

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	700	664	1180	1100	600	956	965	580	640	676	245	851
2	712	980	1090	1250	480	1020	980	590	950	688	304	838
3	664	748	950	1500	310	1040	1010	652	799	664	442	750
4	688	620	1070	1440	316	950	1060	688	688	630	398	670
5	712	664	1010	1550	450	800	1020	652	736	620	304	540
6	760	748	950	1600	600	740	950	630	676	630	294	560
7	760	825	864	1650	620	850	890	664	600	630	304	590
8	786	877	838	1500	559	1020	825	676	590	630	330	610
9	724	773	799	1420	450	1280	799	724	676	610	323	640
10	736	712	748	1380	330	1200	799	712	1040	610	342	664
11	760	688	736	1270	540	1250	748	664	935	570	405	664
12	748	688	748	1140	600	1400	712	640	760	522	486	630
13	724	712	724	1000	550	1350	812	664	1210	336	522	610
14	700	736	688	880	580	1020	838	664	1090	368	513	640
15	676	712	676	720	450	905	812	664	799	288	504	676
16	652	676	736	600	480	786	864	630	773	299	495	664
17	676	640	864	540	550	712	935	640	724	398	495	630
18	688	652	825	520	600	712	980	540	688	356	495	590
19	700	736	812	580	660	748	864	486	736	316	495	590
20	724	736	780	620	650	799	812	459	630	310	495	550
21	812	736	760	580	500	851	773	450	760	272	504	522
22	799	676	750	546	680	905	760	1260	851	230	495	504
23	700	522	800	520	700	905	736	1010	851	220	495	486
24	676	522	920	540	750	905	688	851	786	220	468	477
25	664	435	1080	560	800	920	700	920	2080	299	450	495
26	676	428	750	585	830	935	748	1720	1560	250	450	540
27	676	522	630	620	800	920	760	864	1020	240	450	522
28	688	724	660	780	880	935	736	920	838	225	1020	590
29	688	1090	700	760	.....	1010	652	965	760	225	980	580
30	676	1340	760	790	.....	1040	590	851	712	230	864	610
31	664	.....	810	800	.....	1020	.....	736	.....	235	799	.....
Mean	710	719	829	946	583	964	827	747	865	413	489	609
Max.	812	1340	1180	1650	880	1400	1060	1720	2080	688	1020	851
Min.	652	428	630	520	310	712	590	450	590	220	245	477
A.F.	43650	42810	50990	58190	32360	59270	49230	45950	51490	25380	30080	36260

Total acre-feet 525700.

REPORT OF THE STATE ENGINEER

LOUP RIVER, NORTH, NEAR ST. PAUL—Sec. 22-15-10 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	638	645	1040	1000	996	880	908	630	698	645	361	745
2	615	936	1090	1200	769	950	996	690	965	615	361	737
3	600	889	1160	1400	615	1000	1040	777	927	615	285	570
4	608	802	1180	1500	450	1080	1060	753	675	592	415	527
5	638	769	1050	1550	570	1000	1080	675	675	675	333	499
6	645	802	996	1600	753	850	1040	682	682	630	290	492
7	645	862	965	1650	927	900	996	713	622	585	270	478
8	682	879	956	1700	640	1050	946	675	630	585	275	464
9	660	828	936	1670	590	1400	898	713	721	562	275	471
10	698	828	918	1550	380	1600	889	668	1260	541	300	464
11	690	828	870	1360	400	1760	870	638	836	506	367	464
12	705	819	870	1280	460	1300	753	615	769	485	513	457
13	682	836	737	1170	510	1070	880	622	1010	350	464	443
14	690	844	753	1080	580	870	870	615	986	311	403	429
15	690	810	802	889	510	698	862	532	769	275	379	391
16	668	810	828	698	520	600	927	548	729	241	367	397
17	690	785	879	615	540	600	1030	527	660	285	361	415
18	713	769	853	580	580	645	956	492	608	255	355	450
19	713	794	836	559	730	682	853	443	578	280	344	464
20	721	802	908	570	660	729	844	429	578	260	385	457
21	729	862	927	609	640	761	785	403	660	232	373	443
22	721	819	862	660	705	794	785	1140	745	193	361	443
23	705	690	927	610	760	828	785	853	737	185	409	450
24	682	660	996	580	720	828	794	769	698	201	379	443
25	675	638	1026	610	780	836	745	698	1030	698	385	464
26	675	615	1040	660	830	862	761	1300	1610	260	397	499
27	690	548	385	780	800	853	761	965	976	223	391	513
28	698	527	420	927	840	862	721	862	713	205	520	534
29	698	721	480	946	.....	898	698	936	652	197	965	527
30	675	1010	600	946	.....	927	630	844	600	197	608	520
31	660	.....	900	976	.....	946	.....	745	.....	197	630	.....
Mean	677	781	877	1031	650	937	872	710	794	390	404	488
Max.	729	1010	1180	1760	996	1760	1080	1300	1640	698	965	745
Min.	600	527	385	559	380	600	630	403	578	185	270	391
A.F.	41650	46450	53900	63360	36090	57640	51890	43660	47260	23960	24840	29060
Total acre-feet 519800.												

LOUP RIVER, SOUTH, AT CALLAWAY—Sec. 2-15-23 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	55	61	53	63	62	55	65	62	63	63	55	51
2	57	63	57	63	45	57	63	63	69	51	59	50
3	61	63	52	77	65	61	65	63	69	55	55	59
4	64	63	65	77	64	69	89	59	57	49	57	45
5	49	45	46	125	62	61	79	61	61	57	51	45
6	69	62	51	69	49	62	77	69	61	61	50	69
7	61	69	49	73	56	61	77	61	65	49	51	56
8	57	73	41	65	37	57	75	69	61	61	57	50
9	53	73	52	85	37	61	102	73	57	55	57	53
10	54	73	53	87	56	69	102	75	63	67	53	44
11	61	59	61	81	55	63	98	87	55	54	51	55
12	57	64	91	73	56	65	77	75	69	53	62	55
13	53	61	51	81	79	65	69	85	73	107	55	46
14	51	50	93	69	71	69	77	73	62	57	49	41
15	55	93	81	67	64	73	73	69	61	56	50	53
16	55	98	63	53	57	73	65	73	57	63	52	50
17	52	100	48	73	57	77	83	65	55	57	52	44
18	56	85	61	71	59	79	83	69	55	55	53	46
19	51	89	52	69	65	73	65	79	62	54	52	53
20	54	87	52	69	61	77	64	81	54	55	45	52
21	53	39	100	53	53	73	51	59	62	57	45	49
22	60	39	57	49	89	79	79	62	63	55	53	48
23	53	26	100	64	87	81	83	62	73	57	50	51
24	41	57	93	56	77	81	65	61	57	63	73	47
25	57	77	62	65	75	85	27	62	150	57	47	54
26	49	69	57	61	64	63	59	263	57	47	46	46
27	57	64	42	63	59	73	65	69	73	57	51	24
28	47	67	69	57	57	79	65	63	71	49	50	23
29	67	89	55	61	.....	65	67	67	71	47	46	23
30	51	81	67	69	.....	65	61	69	57	52	51	43
31	63	.....	93	65	.....	63	.....	77	.....	55	53	.....
Mean	56	68	64	70	62	69	73	68	72	58	53	47
Max.	69	100	100	125	89	85	102	87	263	107	73	69
Min.	41	26	42	49	37	55	27	59	54	47	45	23
A.F.	3420	4040	3910	4290	3439	4230	4330	4210	4300	3540	3240	2820
Total acre-feet 45880.												
Record Computed from 1938 Curve. Fair Estimate of Discharge.												

DEPARTMENT OF ROADS AND IRRIGATION

615

MEDICINE CREEK NEAR CAMBRIDGE—Sec. 18-4-25 W.

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	43	52	36	58	54	92	54	43	48	30	22
2	28	42	52	40	58	58	104	50	327	52	36	22
3	28	44	49	45	60	68	103	47	86	85	25	21
4	28	47	47	50	62	62	107	46	44	50	29	22
5	26	45	58	56	64	62	201	50	38	48	210	20
6	23	41	56	58	68	78	115	50	34	45	36	21
7	29	38	54	54	64	76	88	50	40	40	50	18
8	28	40	62	52	22	79	77	52	50	35	418	18
9	31	49	57	52	20	64	68	44	64	34	73	19
10	31	43	54	50	22	52	81	43	80	34	48	18
11	30	42	46	46	24	50	86	45	100	35	35	21
12	26	48	27	43	31	46	76	18	65	34	35	18
13	26	41	23	50	38	56	74	48	60	32	30	18
14	25	38	24	49	35	54	76	48	55	29	29	18
15	21	49	26	24	33	61	94	45	50	30	26	16
16	22	45	25	25	35	61	92	44	90	31	28	17
17	22	44	27	27	40	48	90	43	59	22	26	18
18	23	46	24	31	43	53	95	43	56	20	26	18
19	29	39	25	36	37	52	81	39	56	702	26	17
20	32	37	24	41	33	51	77	43	323	53	26	18
21	31	34	26	34	32	50	66	48	860	36	25	18
22	35	31	28	35	37	59	67	44	658	20	23	18
23	35	33	30	37	44	61	57	43	148	30	20	19
24	35	36	31	38	41	64	54	46	104	30	22	18
25	35	30	34	39	45	68	57	44	136	26	20	21
26	39	31	29	41	48	62	58	76	104	23	20	24
27	42	34	21	41	48	83	53	87	70	27	22	23
28	41	35	23	42	54	88	50	58	350	27	20	21
29	42	52	26	42	.....	74	52	56	359	39	22	22
30	39	50	28	48	.....	77	52	50	337	26	20	23
31	39	.....	33	58	.....	81	.....	45	.....	30	21	.....
Mean	31	41	36	43	43	63	81	49	162	57	48	20
Max.	42	52	58	58	68	88	201	87	860	702	418	24
Min.	21	30	21	24	20	46	50	39	34	20	20	16
A.F.	1890	2420	2220	2620	2370	3870	4850	3030	9610	3520	2930	1160

Total acre-feet 40490.

MELBETA DRAIN—Sec. 13-21-54 W.

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	3	2	3	2	2	2	4	0	0	0	0
2	3	3	2	3	2	2	2	13	0	0	0	0
3	3	3	2	3	2	2	2	1	0	0	0	0
4	3	5	2	3	2	2	2	0	0	0	0	0
5	3	4	2	3	2	2	2	0	0	0	0	0
6	3	4	2	3	2	2	2	0	0	0	0	0
7	3	4	2	3	2	2	2	0	0	3	0	5
8	4	4	2	3	2	2	2	0	6	0	0	0
9	4	4	2	3	2	2	2	2	4	0	0	0
10	4	4	2	4	2	2	2	1	3	0	0	0
11	4	3	2	4	2	2	2	0	0	0	0	0
12	4	3	4	3	2	2	2	0	3	0	0	0
13	4	3	4	3	2	2	2	0	6	0	0	0
14	4	3	4	3	2	2	2	3	0	7	0	0
15	4	3	4	3	2	2	2	2	8	0	0	0
16	4	3	3	3	2	2	2	5	7	0	0	2
17	3	3	3	3	2	2	2	2	5	0	0	2
18	3	3	3	3	2	2	2	3	12	0	0	3
19	3	3	3	3	2	2	2	2	14	0	0	2
20	3	3	3	3	2	2	2	0	14	0	0	2
21	3	2	3	3	2	2	3	0	8	0	0	2
22	3	2	3	3	2	2	3	0	6	0	0	0
23	3	2	3	3	2	2	3	0	3	0	0	0
24	3	2	3	2	2	2	3	0	3	0	0	0
25	3	2	3	2	2	2	3	0	3	0	0	0
26	3	2	3	2	2	2	3	0	2	0	0	0
27	3	2	3	2	2	2	3	0	0	0	0	0
28	3	2	3	2	2	2	3	0	0	0	0	0
29	3	2	3	2	.....	2	3	0	9	0	0	0
30	3	2	3	2	.....	2	3	0	3	0	0	0
31	3	.....	3	2	.....	2	.....	0	.....	0	0	.....
Mean	3	3	3	2	2	2	2	1	4	0.1	0	0.6
Max.	4	4	4	4	2	2	3	13	14	3	0	5
Min.	3	2	2	2	2	2	2	0	0	0	0	0
A.F.	202	174	170	157	111	123	145	71	250	6	0	36

Total acre-feet 1445.

REPORT OF THE STATE ENGINEER

NINE MILE DRAIN NEAR MINATARE—Sec. 25-21-53 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	169	118	116	102	94	91	89	66	131	123	122	140
2	159	119	116	102	94	91	88	64	123	120	119	145
3	152	127	115	104	94	90	87	64	123	130	122	143
4	118	125	115	102	97	92	88	65	123	125	126	141
5	145	126	112	102	90	92	87	65	121	129	126	138
6	146	119	114	101	90	90	87	67	121	125	124	137
7	145	118	115	101	86	88	81	67	124	133	153	139
8	117	121	111	102	84	86	78	71	123	134	138	145
9	149	122	116	101	84	85	79	72	123	132	111	149
10	147	120	116	101	84	86	81	70	123	124	143	152
11	147	122	115	102	84	89	83	75	129	122	135	149
12	143	121	108	102	84	88	83	89	153	119	131	143
13	134	120	106	101	87	89	81	89	152	116	134	144
14	133	120	107	101	88	88	78	94	148	114	134	146
15	132	121	112	97	88	85	78	91	162	115	133	148
16	131	120	111	96	89	85	75	93	208	119	134	150
17	127	119	114	96	90	84	75	92	150	117	132	151
18	127	117	112	95	90	84	75	93	112	111	134	150
19	124	119	109	98	87	84	75	92	132	106	140	151
20	122	112	102	98	87	84	75	96	151	103	144	156
21	122	112	104	100	87	84	75	101	141	101	140	164
22	121	113	104	95	88	81	74	105	128	108	135	166
23	122	113	104	93	88	84	73	104	128	115	137	158
24	122	111	104	93	89	84	72	101	122	117	136	160
25	124	111	105	93	89	84	70	112	130	122	134	162
26	120	109	104	92	90	84	70	113	127	120	140	166
27	118	112	104	93	90	86	67	112	120	125	143	164
28	120	111	104	92	92	87	66	111	122	126	139	159
29	118	112	104	94	.....	90	66	112	126	124	137	155
30	120	116	100	94	.....	89	66	103	133	124	135	154
31	119	.....	104	95	.....	88	.....	106	.....	122	136	.....
Mean	134	117	109	98	88	86	77	89	135	120	135	151
Max.	169	127	116	104	97	92	89	115	208	134	153	166
Min.	118	109	100	92	84	84	66	64	120	101	119	137
A.F.	8240	6980	6680	6030	4930	5350	4610	5470	8020	7370	8280	8980

Total acre-feet 80940.

NIOBRARA RIVER AT DUNLAP—Sec. 27-29-48 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	12	54	38	44	33	77	31	24	1	142	4
2	14	11	54	50	42	36	81	31	12	1	89	4
3	13	12	54	57	44	54	78	29	9	1	24	4
4	12	14	51	57	47	43	78	25	13	1	18	4
5	12	13	52	49	50	42	73	21	10	1	17	9
6	12	15	47	51	52	40	70	24	6	1	15	4
7	12	19	59	50	42	50	70	24	6	1	14	4
8	14	20	55	50	34	46	70	18	4	2	14	4
9	14	24	54	61	30	59	68	17	4	2	20	3
10	14	26	52	55	36	99	67	17	3	1	19	4
11	14	29	48	49	40	128	72	20	3	2	8	5
12	15	29	45	59	41	98	70	21	5	2	10	3
13	16	35	42	52	47	97	68	21	4	4	8	3
14	16	40	45	45	37	99	68	17	10	16	6	2
15	16	42	44	39	37	78	66	14	10	6	6	2
16	16	46	46	41	29	83	66	10	16	4	5	2
17	15	47	46	45	36	84	26	6	5	2	5	2
18	16	42	48	49	35	85	60	5	5	2	4	2
19	17	47	47	52	35	96	57	4	5	2	5	2
20	17	46	43	49	34	101	60	4	4	2	5	2
21	16	46	48	48	29	94	60	6	4	2	5	2
22	15	40	48	45	31	90	65	8	3	2	5	2
23	14	37	40	53	34	89	69	12	3	2	4	3
24	13	46	50	45	32	86	65	5	4	1	4	3
25	12	52	48	48	32	86	51	7	4	2	5	3
26	10	47	43	46	35	84	47	8	3	2	4	3
27	9	40	37	49	34	79	37	8	3	1	4	3
28	9	40	49	50	32	76	33	8	2	2	3	3
29	9	39	44	49	.....	74	30	8	1	2	4	4
30	10	54	41	46	.....	74	26	8	1	2	4	3
31	10	.....	40	47	.....	74	.....	10	.....	2	4	.....
Mean	14	34	47	49	38	76	61	14	6	2	16	3
Max.	17	54	55	61	52	128	81	31	24	16	142	9
Min.	9	11	37	38	29	33	26	4	1	1	3	2
A.F.	8240	1990	2910	3020	2080	4680	3630	882	371	148	957	198

Total acre-feet 21710.

DEPARTMENT OF ROADS AND IRRIGATION

617

NIOBRARA RIVER AT VERDEL—Sec. 23-32-8 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1000	1190	1800	1550	950	1700	1100	1640	1060	960	314	787
2	1190	1120	1650	1700	900	1700	1020	1970	1060	872	505	1060
3	1140	1080	1700	1800	880	1800	1370	2040	1320	1450	400	872
4	1100	1260	1700	1850	860	1900	1400	2630	980	1500	272	644
5	1100	1190	1600	1900	800	2100	1300	1500	1020	1300	452	714
6	1140	1190	1550	2100	600	2300	1280	1400	1370	1500	484	320
7	1320	1286	1500	2200	380	2500	1140	1480	1280	2630	320	644
8	1100	1320	1480	2300	370	2550	1380	1020	658	1530	580	787
9	1320	1640	1400	2500	330	2500	1320	1370	940	1320	1020	1670
10	1350	1480	1450	2400	450	2500	1140	1190	980	1590	2140	1060
11	1530	1400	1400	1900	550	3000	1120	672	1020	980	980	838
12	1350	1370	1350	1300	600	3500	1120	872	1230	742	296	384
13	1350	1190	1300	1000	650	4200	1100	940	1790	568	804	336
14	1350	1040	1350	900	800	5100	1060	1060	1730	605	392	530
15	1230	1280	1400	650	850	6200	1040	980	1670	392	352	568
16	1320	1060	1450	700	800	5900	1530	1190	2140	421	328	580
17	1500	1300	1500	750	800	5250	1420	1100	2170	1700	592	787
18	1300	1210	1500	800	900	4700	1160	1370	1100	756	658	770
19	1190	1300	1400	900	1000	5390	787	1500	1640	756	530	605
20	1320	1210	1200	950	1400	6670	923	1230	1700	505	360	360
21	1190	1060	1300	1000	1300	5950	889	1190	1530	658	728	686
22	1020	360	1350	1050	1320	1970	1190	1420	1120	940	1080	630
23	1020	360	1400	1100	1400	1760	1880	1700	1040	742	804	518
24	980	376	1450	1150	1410	1910	1850	1700	770	432	410	530
25	940	500	1450	1150	1410	1590	1450	1370	787	344	592	580
26	960	700	900	1200	1480	1140	1420	1140	1120	290	474	872
27	906	1006	550	1250	1520	1230	1230	2010	872	250	421	742
28	906	1700	700	1300	1570	1610	1370	1820	658	328	658	889
29	1080	2200	950	1400	.....	1450	1640	1060	605	618	1560	605
30	960	1950	1050	1500	.....	1450	1940	1420	980	568	1670	742
31	1000	.....	1300	1400	.....	1140	.....	1100	.....	432	923	.....
Mean	1167	1177	1357	1408	941	2989	1282	1390	1211	893	681	704
Max.	1530	2206	1800	2500	1570	6670	1940	2630	2170	2630	2140	1670
Min.	906	360	550	650	370	1140	787	672	605	250	272	320
A.F.	71730	70050	83460	86580	52240	183800	76300	85460	72080	54900	41850	41870

Total acre-feet 920300.

OTTER CREEK NEAR LEMOYNE—Sec. 5-15-40 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	23	17	17	18	22	16	16	19	18	15	17
2	21	22	17	17	18	22	16	16	19	18	15	17
3	21	22	17	17	20	22	16	17	19	18	15	17
4	21	21	17	17	20	22	14	17	18	18	14	17
5	21	21	17	17	22	20	14	18	18	18	14	17
6	21	23	17	17	22	20	14	18	18	17	14	17
7	21	22	17	17	24	20	14	18	18	17	14	17
8	21	21	17	17	24	20	14	20	18	17	14	17
9	21	20	17	17	26	20	14	20	18	17	15	17
10	22	19	17	17	26	18	14	19	18	17	15	17
11	22	18	17	17	28	18	14	19	18	17	15	17
12	22	17	17	17	28	18	14	19	18	17	15	17
13	22	17	18	17	29	18	14	19	18	17	15	17
14	22	17	19	17	29	18	12	18	18	17	15	17
15	22	17	19	17	28	18	12	18	18	17	15	17
16	22	17	19	17	28	18	10	18	18	17	16	17
17	22	17	19	17	26	16	8	18	18	17	16	17
18	22	17	19	17	26	16	6	19	18	17	16	17
19	22	17	19	17	26	16	6	19	18	17	17	17
20	22	17	19	17	24	16	6	20	18	17	17	17
21	22	17	19	17	24	16	6	20	18	16	17	17
22	22	17	19	17	22	16	6	20	18	16	17	17
23	22	17	18	17	22	16	8	20	18	16	17	17
24	22	17	18	17	22	16	8	19	18	16	17	17
25	22	17	18	17	24	16	10	19	18	16	17	17
26	22	17	18	17	24	16	10	19	18	15	17	17
27	22	17	18	17	24	16	12	19	18	15	17	17
28	22	17	18	17	24	17	12	19	18	15	17	17
29	22	17	18	17	.....	18	14	19	18	15	17	17
30	22	17	18	17	.....	18	14	18	18	15	17	17
31	22	.....	18	17	.....	16	.....	18	.....	15	17	.....
Mean	22	18	18	17	24	18	12	18	18	17	16	17
Max.	22	23	19	17	29	22	16	20	19	18	17	17
Min.	21	17	17	17	18	16	6	16	18	15	14	17
A.F.	1335	1101	1101	1045	1345	1109	690	1142	1077	1022	970	1012

Total acre-feet 12949.

REPORT OF THE STATE ENGINEER

PAWNEE CREEK—Sec. 4-12-27 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	9	7	7	7	5	4	7	13	3	2	0
2	6	9	7	7	7	5	4	7	13	3	2	0
3	6	9	7	7	7	5	4	8	13	3	2	0
4	6	9	7	7	7	5	4	8	12	3	2	0
5	6	8	7	7	7	5	4	7	10	3	2	0
6	7	8	7	7	7	5	4	6	8	3	2	0
7	7	8	7	7	7	5	4	7	7	3	2	0
8	7	8	7	7	7	4	5	7	5	3	2	0
9	7	8	7	7	7	4	5	8	4	3	2	0
10	7	7	7	7	8	4	5	7	3	3	2	0
11	7	7	7	7	8	4	5	1	3	2	2	0
12	7	7	7	7	8	4	6	9	3	2	2	0
13	7	7	7	7	8	5	6	9	3	2	2	0
14	7	7	7	7	8	5	6	9	3	2	2	0
15	7	7	7	7	8	5	6	10	3	2	2	0
16	7	7	7	7	8	5	7	10	3	2	2	0
17	7	7	7	7	8	4	7	10	3	2	2	0
18	7	6	7	7	8	4	7	11	3	2	3	0
19	7	6	7	7	7	4	7	11	3	2	3	0
20	8	6	7	7	7	4	8	11	4	2	3	0
21	8	6	7	7	7	4	8	12	4	2	3	0
22	8	6	7	7	7	4	9	12	4	2	3	0
23	8	6	7	7	7	4	9	12	4	2	3	0
24	8	6	7	7	6	4	9	13	4	2	3	0
25	8	6	7	7	6	4	8	13	4	2	3	0
26	8	6	7	7	6	4	8	13	3	2	3	0
27	8	6	7	7	6	4	8	14	3	2	3	0
28	8	6	7	7	6	4	8	14	3	2	3	0
29	8	6	7	7	.....	4	7	14	3	2	3	0
30	9	6	7	7	.....	4	7	14	3	2	3	0
31	9	.....	7	7	.....	4	.....	13	.....	2	3	0
Mean	7	7	7	7	7	4	6	10	5	3	2	.....
Max.	9	9	7	7	8	5	9	14	13	3	4	0
Min.	6	6	7	7	6	4	4	1	3	2	0	0
A.F.	448	417	430	430	397	268	375	669	303	198	139	0

Total acre-feet 4014.

PLUM CREEK—Sec. 10-19-49 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	2	2	0	0	1	1	1	1	1	0	1
2	2	2	2	0	0	1	1	1	3	1	0	1
3	2	2	2	0	0	1	1	1	2	1	0	1
4	2	2	2	0	0	1	1	1	2	1	0	1
5	2	2	2	0	0	1	1	1	2	1	0	1
6	2	2	2	0	0	1	1	1	2	1	0	1
7	2	2	2	0	0	1	1	1	1	2	0	1
8	2	2	2	0	0	1	1	1	1	2	0	1
9	2	2	2	0	0	1	1	1	1	1	1	1
10	2	2	2	0	0	1	1	1	1	1	0	1
11	2	2	2	0	0	1	1	1	1	1	0	1
12	2	2	2	0	0	1	1	1	1	1	0	1
13	2	2	2	0	0	1	1	1	1	1	0	1
14	2	2	2	0	0	1	1	1	1	1	1	1
15	2	2	2	0	1	1	1	1	1	1	1	1
16	2	2	2	0	1	1	1	1	1	1	0	1
17	2	2	2	0	1	1	1	1	1	1	0	1
18	2	2	2	0	1	1	1	1	2	1	0	1
19	2	2	2	0	1	1	1	1	1	1	0	1
20	2	2	2	0	1	1	1	1	1	2	1	2
21	2	2	2	0	1	1	1	1	2	1	1	2
22	2	2	2	0	1	1	1	1	2	1	1	2
23	2	2	2	0	1	1	1	1	1	1	1	2
24	2	2	2	0	1	1	1	1	1	1	1	2
25	2	2	2	0	1	1	1	1	1	1	1	2
26	2	2	2	0	1	1	1	1	1	1	1	2
27	2	2	2	0	6	1	1	1	1	1	0	2
28	2	2	2	0	0	1	1	1	1	0	1	2
29	2	2	2	0	0	.....	1	1	1	1	1	2
30	2	2	2	0	0	.....	1	1	1	1	1	2
31	2	.....	0	0	.....	1	.....	1	.....	0	1	.....
Mean	2	2	2	0	0.5	1	1	1	1	1	0.5	.....
Max.	2	2	2	0	1	1	1	1	3	2	2	2
Min.	2	2	2	0	0	1	1	1	1	0	0	1
A.F.	123	119	69	0	28	61	60	61	79	61	32	79

Total acre-feet 772.

DEPARTMENT OF ROADS AND IRRIGATION

619

PUMPKINSEED CREEK NEAR BRIDGEPORT—Sec. 12-19-50 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	19	44	44	35	42	60	30	43	17	46	12
2	36	22	44	46	47	42	58	30	37	16	40	10
3	32	26	44	49	58	40	57	20	22	16	18	10
4	22	24	44	51	44	38	57	18	18	18	12	10
5	22	24	42	51	44	34	54	14	15	25	10	10
6	21	24	40	51	44	34	53	14	15	18	9	10
7	21	24	40	50	45	36	52	25	14	26	11	10
8	21	24	41	49	46	78	53	34	13	28	8	12
9	20	28	40	50	40	237	52	29	11	29	7	9
10	18	37	40	47	35	254	50	12	27	30	7	8
11	18	36	40	46	45	117	49	9	33	24	7	8
12	14	36	34	46	44	74	51	6	38	18	7	8
13	12	36	33	47	46	71	50	9	25	25	7	9
14	19	31	35	48	49	78	50	8	18	32	7	9
15	18	30	35	48	50	73	49	6	15	34	7	9
16	17	32	37	46	48	64	48	5	15	34	8	13
17	17	34	38	46	43	61	46	5	14	34	9	16
18	22	39	37	46	41	63	44	5	14	34	10	16
19	20	41	38	45	43	60	44	5	14	32	10	14
20	19	42	40	46	45	57	44	5	15	34	10	10
21	19	45	41	48	40	57	39	5	104	32	11	9
22	20	42	42	49	38	57	39	5	73	31	12	8
23	20	40	42	51	38	57	49	5	30	32	14	8
24	20	36	42	51	42	55	58	5	21	30	18	9
25	19	38	42	51	42	57	52	5	21	30	18	9
26	18	34	42	48	42	57	54	6	22	19	19	12
27	17	36	44	48	43	56	55	8	32	20	15	13
28	16	39	42	49	43	56	57	8	22	19	13	12
29	16	42	41	49	.....	57	46	7	15	19	12	13
30	18	42	41	49	.....	57	36	7	17	19	12	14
31	19	.....	42	48	.....	60	.....	11	.....	18	12	.....
Mean	20	33	40	48	44	70	50	12	26	26	13	11
Max.	36	45	44	51	58	254	60	34	104	34	46	16
Min.	12	19	33	44	35	34	36	5	11	16	7	8
A.F.	1240	1990	2480	2960	2420	4320	2990	719	1530	1570	803	640

Total acre-feet 23660.

RED WILLOW CREEK NEAR BAYARD—Sec. 7-20-51 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	86	117	99	75	63	58	68	45	248	49	89	61
2	108	112	94	75	68	52	67	45	130	46	67	63
3	108	117	94	75	66	63	66	43	97	46	50	68
4	108	119	89	74	66	62	66	33	74	47	50	70
5	104	110	90	73	64	58	61	28	74	51	46	72
6	103	110	89	74	64	62	57	26	78	72	45	69
7	100	107	87	74	63	74	55	26	70	76	51	106
8	108	100	89	74	56	99	54	31	78	69	54	111
9	107	99	89	79	58	82	54	58	78	62	53	89
10	107	101	87	74	59	68	55	35	79	54	52	81
11	108	106	87	72	60	64	59	44	78	58	51	81
12	106	96	81	70	68	64	57	48	84	48	49	73
13	107	93	80	69	68	67	57	49	79	62	54	62
14	108	93	80	67	69	64	55	48	70	74	51	58
15	104	93	79	68	75	62	57	45	76	75	46	59
16	106	93	80	72	78	63	55	33	124	73	46	66
17	108	92	79	70	84	63	54	26	96	75	47	72
18	106	78	79	72	80	64	55	27	106	75	53	64
19	106	81	79	73	69	63	54	29	86	74	57	66
20	108	82	79	70	64	63	53	30	67	78	62	67
21	107	82	75	68	62	64	54	35	86	68	62	69
22	110	81	75	67	61	63	55	35	73	66	57	72
23	108	80	74	67	62	63	53	36	57	60	72	72
24	113	80	75	66	63	62	52	38	59	70	57	73
25	114	82	75	64	61	62	51	40	52	51	57	76
26	114	84	68	63	62	60	53	42	54	46	50	82
27	116	87	72	67	61	62	51	44	55	47	48	85
28	113	90	73	67	58	63	49	41	51	49	48	82
29	114	93	73	67	.....	66	46	40	53	48	57	84
30	114	100	72	68	.....	68	45	42	50	51	57	84
31	117	.....	74	68	.....	68	.....	100	.....	78	58	.....
Mean	108	95	81	70	65	65	55	40	82	61	54	74
Max.	117	119	99	79	84	99	68	100	248	78	89	111
Min.	86	78	68	64	56	52	45	26	50	46	45	58
A.F.	6640	5670	4990	4330	3630	4000	3310	2460	4880	3800	3340	4440

Total acre-feet 51490.

REPORT OF THE STATE ENGINEER

REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE

Sec. 10-1-42 W.

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	30	58	64	54	56	58	37	25	7	85	7
2	37	30	55	68	56	54	52	34	67	7	16	8
3	24	30	61	65	59	58	54	27	35	5	8	7
4	14	33	56	61	51	54	59	24	31	5	6	7
5	22	34	59	65	52	55	54	27	27	5	8	7
6	19	37	56	62	51	59	51	26	22	5	6	9
7	18	36	58	62	56	62	55	24	22	4	8	8
8	19	33	65	64	52	58	55	25	22	5	9	8
9	21	33	62	70	35	58	55	23	23	5	8	8
10	22	35	61	61	38	59	67	21	28	r	7	8
11	22	35	62	65	45	65	68	13	17	5	8	8
12	22	33	61	62	50	61	61	12	21	4	8	8
13	24	34	64	62	60	62	56	9	26	4	7	6
14	24	33	65	65	58	61	58	8	24	4	7	7
15	25	34	65	61	56	55	62	7	18	4	7	9
16	31	38	64	64	58	49	59	7	16	4	6	9
17	22	55	62	64	55	55	58	12	9	4	6	9
18	22	56	61	61	59	54	55	6	8	4	7	12
19	21	54	65	62	56	54	58	6	8	4	8	9
20	25	51	61	61	52	52	58	10	13	3	7	9
21	26	48	65	58	56	54	55	9	24	3	7	10
22	26	61	65	56	58	47	58	7	11	3	6	8
23	30	65	59	59	54	47	58	6	10	3	7	8
24	26	64	64	56	55	52	59	6	11	3	6	9
25	27	67	64	55	55	47	62	19	32	3	6	12
26	29	67	59	56	56	46	59	58	16	5	7	13
27	30	67	50	55	55	52	54	46	9	4	7	15
28	29	64	52	58	55	58	41	24	6	4	6	21
29	30	64	56	54	.....	54	37	17	8	4	7	17
30	44	56	60	55	.....	64	34	10	7	4	7	23
31	28	.....	62	58	.....	59	.....	13	.....	70	7	23
Mean	25	46	60	61	54	56	56	18	20	6	10	10
Max.	44	67	65	70	60	65	68	58	67	70	85	23
Min.	14	30	50	54	35	46	34	6	6	3	6	6
A.F.	1560	2730	3720	3750	2970	3420	3320	1140	1180	396	600	587

Total acre-feet 25370.

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN

Sec. 31-1-37 W.

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	28	90	27	20	19	80	31	0	60	174	0
2	15	28	129	30	18	40	73	22	31	73	96	0
3	12	22	63	35	15	65	66	31	16	22	40	0
4	22	22	49	40	14	88	60	22	5	10	12	0
5	16	22	66	16	13	90	60	19	0	10	5	0
6	15	20	80	13	12	129	63	25	0	10	2	0
7	22	17	56	40	12	124	60	22	0	6	11	0
8	11	20	46	36	10	116	60	40	0	2	22	0
9	14	25	37	35	10	108	60	28	0	1	4	0
10	25	25	37	35	9	100	112	16	0	237	1	0
11	28	15	30	40	10	104	108	11	0	63	0	0
12	37	15	26	45	12	129	84	16	0	25	0	0
13	34	19	22	54	17	100	77	28	0	3	0	0
14	25	22	19	53	15	80	84	28	7	0	0	0
15	10	16	16	40	13	66	84	34	0	0	0	0
16	11	16	15	25	11	66	80	28	0	0	0	0
17	8	16	15	27	15	73	73	46	0	0	0	0
18	5	16	17	30	16	73	60	28	0	0	0	0
19	7	25	18	35	17	73	60	14	0	0	0	0
20	8	19	17	40	18	73	46	2	374	0	0	0
21	14	14	18	45	16	56	46	0	178	0	15	0
22	12	16	20	47	14	56	34	9	10	0	2	0
23	11	12	19	40	15	56	34	0	25	0	0	0
24	15	14	19	35	17	49	28	0	778	0	0	0
25	15	21	20	28	15	49	22	0	178	0	0	0
26	28	25	16	29	16	49	19	6	53	0	0	0
27	28	35	13	27	17	49	31	16	268	0	0	0
28	22	45	15	26	18	49	19	16	60	0	0	0
29	22	50	17	27	.....	133	11	14	25	0	0	0
30	25	65	19	27	.....	108	12	6	31	398	0	0
31	25	.....	23	23	.....	82	.....	17	.....	151	0	.....
Mean	18	23	33	35	14	79	56	17	68	34	12	0
Max.	37	65	129	54	20	133	112	46	778	398	174	0
Min.	5	12	13	23	9	19	11	0	0	0	0	0
A.F.	1110	1400	2080	2200	811	4880	3380	1100	4050	2130	765	0

Total acre-feet 23910.

DEPARTMENT OF ROADS AND IRRIGATION

621

REPUBLICAN RIVER AT MAX—Sec. 32-2-36 W.

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	71	80	190	130	90	105	184	86	62	143	350	3.0
2	71	63	206	140	80	136	184	79	370	120	236	1.8
3	66	58	180	190	73	250	177	72	243	67	133	.8
4	63	66	150	240	55	400	177	76	160	53	69	.4
5	45	76	180	269	42	550	177	89	103	47	47	.0
6	38	76	210	230	34	450	166	72	74	32	26	.0
7	36	71	230	200	26	378	180	67	60	20	49	.0
8	36	63	240	165	22	215	163	84	49	18	62	.0
9	43	71	230	153	19	208	163	74	47	17	44	.0
10	48	85	195	130	12	173	101	58	51	81	22	.0
11	56	100	150	145	24	180	232	49	51	103	16	.0
12	66	104	110	190	65	306	194	55	51	38	14	.0
13	63	104	76	200	60	250	153	69	72	16	14	.0
14	63	104	70	164	50	190	146	64	100	11	13	.0
15	63	95	65	140	42	160	166	51	76	9	14	.0
16	66	100	70	105	46	177	180	44	69	8	14	.0
17	56	100	70	120	55	177	163	49	53	7	13	.0
18	48	100	75	145	70	173	160	47	40	7	12	.0
19	48	134	80	180	90	170	160	36	40	4	10	.0
20	48	121	70	225	80	156	160	20	310	4	11	.0
21	48	103	80	220	65	143	146	12	580	4	10	.0
22	50	45	85	200	55	136	140	8	204	3	11	.0
23	50	30	80	160	65	127	130	6	143	2	9	.0
24	63	32	75	130	90	130	124	5	749	1	9	.0
25	80	36	80	115	80	133	111	6	226	1	7	.0
26	76	42	65	120	85	130	111	60	133	0	6	.0
27	80	50	55	110	95	153	117	114	166	12	6	.0
28	71	65	65	105	100	149	111	130	124	13	5	.0
29	66	90	75	105	.....	201	103	103	76	6	5	2.2
30	80	135	90	100	.....	212	92	64	62	76	4	4.6
31	71	.....	110	95	.....	212	.....	40	.....	1300	3	.....
Mean	59	80	120	159	59	211	156	57	151	71	40	0.4
Max.	80	135	240	269	100	550	232	130	749	1300	350	4.6
Min.	36	30	55	95	12	105	92	5	40	0	4	.0
A.F.	3630	4760	7350	9750	3310	12950	9260	3550	9010	4420	2480	25

Total acre-feet 70500.

REPUBLICAN RIVER AT CULBERTSON—Sec. 20-3-31 W.

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	63	66	80	140	85	110	402	38	59	102	1130	0
2	43	80	155	120	70	152	335	38	66	98	700	0
3	30	90	145	170	60	214	316	51	262	87	402	0
4	33	83	125	190	45	240	316	70	157	51	166	0
5	43	90	110	220	40	316	157	63	122	53	126	0
6	33	80	152	248	30	316	148	63	87	48	48	0
7	27	40	175	230	25	335	166	76	28	30	106	0
8	16	51	259	180	18	700	122	73	48	28	70	0
9	19	90	250	160	12	545	157	87	70	11	33	0
10	33	122	210	155	10	470	456	76	38	14	13	0
11	30	134	180	210	27	389	575	51	43	13	9	0
12	38	122	150	250	60	652	402	35	46	59	6	0
13	30	102	130	268	70	764	306	48	33	20	4	0
14	30	94	110	268	55	590	268	22	162	8	5	0
15	48	76	90	194	45	316	430	28	170	6	4	0
16	48	98	70	118	50	214	362	43	83	4	4	0
17	46	113	75	145	65	201	288	33	16	3	2	0
18	35	110	80	170	75	208	220	16	12	2	1	0
19	38	122	85	190	80	194	182	30	9	5	1	0
20	38	134	75	210	95	194	162	43	7960	1	3	0
21	46	130	85	235	80	175	122	28	1680	0	1	0
22	46	50	95	240	60	250	102	6	485	1	1	0
23	46	34	90	200	75	278	70	5	188	6	0	0
24	51	36	85	155	90	316	59	2	134	0	0	0
25	56	40	95	120	80	348	53	0	852	0	0	0
26	63	45	80	125	85	326	70	14	500	0	0	0
27	63	50	60	120	100	326	73	110	456	0	0	0
28	70	60	75	110	106	268	94	182	240	0	0	0
29	59	70	90	115	.....	278	90	208	166	0	0	0
30	66	74	100	115	.....	530	59	148	114	0	0	0
31	63	.....	120	100	.....	430	.....	76	.....	2190	0	.....
Mean	43	83	119	177	60	343	219	56	476	91	91	0
Max.	70	134	259	268	106	764	575	208	7960	2190	1130	0
Min.	16	34	60	100	10	110	53	0	9	0	0	0
A.F.	2680	4940	7300	10870	3360	21110	13020	3500	28340	5640	5630	0

Total acre-feet 106400.

REPORT OF THE STATE ENGINEER

REPUBLICAN RIVER NEAR BLOOMINGTON—Sec. 8-1-15 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	174	108	253	245	290	380	469	381	329	2360	308	40
2	160	115	218	265	290	400	469	386	1030	1500	2280	37
3	153	128	235	285	285	450	480	381	1110	1210	1180	32
4	139	122	312	300	275	480	1050	372	786	1070	712	30
5	125	124	377	325	257	520	1010	355	448	992	511	27
6	128	135	433	350	235	560	933	342	448	944	866	21
7	132	115	433	378	288	594	800	368	325	555	490	17
8	115	122	350	360	260	667	556	338	246	450	314	17
9	108	135	350	400	220	842	506	325	225	893	389	17
10	118	156	342	450	190	961	506	300	2760	348	740	16
11	111	171	338	460	210	898	512	296	1220	312	511	11
12	111	167	329	115	230	723	501	288	589	276	330	11
13	105	198	308	420	260	642	528	272	372	244	262	10
14	115	190	253	300	290	702	618	260	264	217	312	9
15	95	198	201	250	300	807	730	253	218	190	344	9
16	89	202	201	180	285	702	940	239	188	171	251	11
17	76	206	170	155	280	618	786	232	730	174	272	13
18	70	206	156	160	297	562	737	321	584	138	221	13
19	70	182	211	160	296	534	648	250	292	127	164	11
20	59	201	221	170	280	518	666	355	578	582	138	10
21	54	197	232	180	260	506	562	400	3810	670	120	10
22	54	170	239	190	260	496	534	372	10200	455	104	10
23	54	144	292	210	260	496	534	288	4340	352	90	9
24	54	128	338	240	270	474	490	235	1960	319	82	9
25	65	144	346	250	280	474	459	221	1680	374	76	9
26	76	155	312	310	300	469	433	208	5050	904	69	10
27	95	176	250	340	320	448	428	1320	5050	330	62	10
28	115	182	239	330	330	454	419	4010	2280	344	56	10
29	122	191	210	320	.....	474	460	2790	1430	204	49	9
30	135	235	215	310	.....	528	390	870	2390	362	44	10
31	115	.....	220	300	.....	506	.....	433	.....	298	42	.....
Mean	103	163	277	292	271	577	600	564	1698	544	368	15
Max.	174	235	433	460	330	961	1050	1010	10200	2360	2280	40
Min.	54	108	156	155	190	380	390	208	188	127	42	9
A.F.	6330	9710	17019	17950	15060	35470	35710	34650	101000	33450	22650	914

Total acre-feet 328900.

REPUBLICAN RIVER NEAR HARDY—Sec. 6-1-5 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	215	138	260	215	345	380	590	471	901	3190	478	85
2	179	149	250	240	320	420	527	438	936	3130	340	88
3	174	202	240	260	295	500	611	426	706	1610	929	66
4	156	163	250	270	290	540	744	420	1460	1160	1510	61
5	160	170	280	275	300	550	3370	414	1080	971	845	77
6	156	167	320	290	340	580	1330	396	950	859	602	45
7	126	163	390	310	340	653	975	348	680	999	500	45
8	129	174	410	275	290	702	1100	372	632	810	1080	54
9	108	163	380	350	220	807	870	366	644	614	726	40
10	120	174	320	400	180	828	821	342	4180	549	370	36
11	138	188	270	490	180	1060	779	342	5000	472	412	32
12	114	192	230	480	185	1110	744	313	2240	400	797	31
13	105	197	215	460	230	947	723	301	1200	355	483	29
14	95	215	205	480	260	842	702	284	824	318	412	25
15	90	215	195	350	275	730	744	267	650	278	385	22
16	67	225	185	225	265	821	1020	230	510	239	450	17
17	142	225	195	165	260	842	982	225	444	243	790	15
18	90	230	205	150	273	835	1070	215	380	203	318	14
19	103	251	215	155	270	681	884	202	1010	196	264	13
20	105	230	220	160	245	660	849	390	824	172	255	12
21	108	165	230	165	240	618	765	1450	7720	149	210	27
22	108	146	240	180	240	590	751	1070	8120	566	182	20
23	114	135	270	185	255	562	709	860	10000	608	156	20
24	78	130	315	200	290	569	660	450	3660	450	149	18
25	106	145	280	215	290	569	597	348	2630	444	130	15
26	114	135	260	240	320	520	646	295	1720	370	120	12
27	117	150	240	310	330	541	562	324	3760	538	120	11
28	120	200	225	325	360	548	506	674	3690	668	120	11
29	126	240	210	330	.....	555	485	2700	2420	395	108	11
30	129	265	190	335	.....	548	464	2540	1520	365	85	10
31	132	.....	195	340	.....	562	.....	1600	.....	255	77	.....
Mean	123	185	255	285	275	667	853	613	2350	696	43	32
Max.	215	265	410	490	360	1110	3370	2700	10000	3190	1510	88
Min.	67	130	185	150	180	380	464	202	380	149	77	10
A.F.	7560	11030	15650	17500	15250	41000	50740	37710	139800	42800	26580	1910

Total acre-feet 407500.

DEPARTMENT OF ROADS AND IRRIGATION

623

SAND CREEK—Sec. 10-15-40 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	2	3	3	0	5	0	3	3
2	*	*	*	*	2	2	3	2	5	0	3	3
3	*	*	*	*	2	2	2	1	3	0	3	2
4	*	*	*	*	2	2	4	1	3	0	3	2
5	*	*	*	*	2	2	4	0	3	0	3	2
6	*	*	*	*	2	2	4	0	3	0	1	2
7	*	*	*	*	2	2	3	1	3	0	1	2
8	*	*	*	*	2	2	3	2	3	0	1	2
9	*	*	*	*	2	2	3	2	3	0	1	2
10	*	*	*	*	5	5	3	3	3	0	3	2
11	*	*	*	*	3	3	5	4	3	1	2	2
12	*	*	*	*	3	3	5	3	3	1	2	2
13	*	*	*	*	3	2	4	2	3	3	2	1
14	*	*	*	*	3	2	4	2	3	3	1	1
15	*	*	*	*	3	3	4	2	8	3	1	1
16	*	*	*	*	3	2	7	1	5	3	3	1
17	*	*	*	*	2	2	5	1	7	3	2	1
18	*	*	*	*	2	2	4	1	5	3	1	2
19	*	*	*	*	2	2	4	3	3	4	1	2
20	*	*	*	*	2	2	4	2	4	3	1	1
21	*	*	*	*	2	2	3	2	3	3	1	2
22	*	*	*	*	2	2	3	2	3	3	1	1
23	*	*	*	*	2	2	3	2	1	3	1	2
24	*	*	*	*	2	2	3	2	0	1	1	2
25	*	*	*	*	3	2	3	2	0	2	1	2
26	*	*	*	*	3	2	2	2	3	3	1	2
27	*	*	*	*	3	2	2	2	0	3	1	2
28	*	*	*	*	3	3	2	2	0	3	1	2
29	*	*	*	*	3	1	2	0	3	2	2
30	*	*	*	*	3	1	2	0	3	2	2
31	*	*	*	*	3	.....	.....	.....	3	3	.....
Mean	*
Max.	*	*	*	*
Min.	*	*	*	*
A.F.	*	*	*	*	133	133	200	109	165	113	105	109

Total acre-feet 1067.

*No Record.

SAPPA CREEK NEAR BEAVER CITY—Sec. 14-1-23 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.0	0.4	0.6	1.3	0.5	12.0	66.0	175.0	0
2	0	0	0	0.0	0.4	0.7	1.1	0.2	378.0	33.0	5.4	0
3	0	0	0	0.0	0.3	0.7	2.1	0.5	46.0	25.0	3.2	0
4	0	0	0	0.0	0.5	0.8	1.1	1.1	52.0	17.0	2.2	0
5	0	0	0	0.0	0.6	0.8	1.5	1.7	17.0	14.0	1.6	0
6	0	0	0	0.0	0.7	1.2	1.6	1.4	6.2	11.0	0.0	0
7	0	0	0	0.0	0.4	1.4	1.5	0.6	3.2	7.6	3.4	0
8	0	0	0	0.0	0.2	2.0	1.4	0.6	1.9	12.0	30.0	0
9	0	0	0	0.0	0.2	3.2	1.6	0.5	1.9	5.8	12.0	0
10	0	0	0	0.0	0.3	4.2	1.7	0.4	1.2	4.2	6.2	0
11	0	0	0	0.0	0.4	6.0	1.6	0.2	0.9	3.2	2.7	0
12	0	0	0	0.0	0.8	8.0	1.6	0.4	0.7	2.2	2.5	0
13	0	0	0	0.0	0.7	9.8	1.8	0.2	0.8	2.0	2.0	0
14	0	0	0	0.0	0.6	8.2	2.7	0.2	0.8	1.8	1.4	0
15	0	0	0	0.4	0.6	8.4	4.2	0.2	0.6	1.1	2.5	0
16	0	0	0	0.4	0.6	9.0	2.1	0.0	0.9	0.5	2.8	0
17	0	0	0	0.5	0.6	7.6	5.8	0.2	214.0	0.4	3.8	0
18	0	0	0	0.6	0.7	5.0	2.7	0.0	62.0	12.0	3.2	0
19	0	0	0	0.6	0.8	4.0	2.4	0.2	6.4	4.0	2.0	0
20	0	0	0	0.7	0.8	3.4	2.1	0.2	2.5	3.4	1.5	0
21	0	0	0	0.6	0.7	3.1	1.6	0.0	1.3	1.9	0.5	0
22	0	0	0	0.2	0.6	3.1	1.2	0.0	0.3	5.0	0.7	0
23	0	0	0	0.2	0.6	2.8	1.2	0.0	322.0	29.0	0.0	0
24	0	0	0	0.4	0.6	2.4	1.2	0.0	210.0	113.0	0.0	0
25	0	0	0	0.4	0.7	1.2	0.7	0.0	1070.0	38.0	0.0	0
26	0	0	0	0.4	0.7	0.2	0.1	453.0	1380.0	19.0	0.0	0
27	0	0	0	0.4	0.6	2.1	0.0	1090.0	244.0	240.0	0.0	0
28	0	0	0	0.4	0.6	1.8	0.2	381.0	150.0	21.0	0.0	0
29	0	0	0	0.4	.....	1.1	0.4	93.0	87.0	6.0	0.0	0
30	0	0	0	0.4	.....	1.7	0.0	58.0	134.0	4.6	0.0	0
31	0	.....	0	0.5	.....	1.9	.....	20.0	.....	3.1	0.0	.....
Mean	0	0	0	0.2	0.5	3.4	1.62	67.9	147	22.8	8.5	0
Max.	0	0	0	0.7	0.8	9.8	5.8	1090	1380	240	175	0
Min.	0	0	0	0.0	0.2	0.2	0.0	0.0	0.3	0.4	0.0	0
A.F.	0	0	0	15	31	211	96	4170	8740	1400	525	0

Total acre-feet 15190.

REPORT OF THE STATE ENGINEER

SARBEN SLOUGH—Sec. 20-14-35 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	1	1	2	2	2	2	3	2	2	1
2	1	1	1	1	2	1	2	2	4	2	2	1
3	1	1	1	1	1	1	3	3	3	1	1	1
4	1	1	1	1	2	1	3	2	1	2	1	1
5	1	1	1	1	1	1	3	2	1	3	1	1
6	1	1	2	1	2	2	3	1	1	2	1	1
7	1	1	1	1	2	2	3	1	1	2	1	1
8	1	1	1	1	2	2	3	1	1	1	2	1
9	1	1	1	1	2	2	3	1	1	2	2	1
10	1	1	1	1	1	2	2	1	1	2	2	1
11	1	2	2	1	1	2	3	1	1	2	2	1
12	1	2	1	1	1	2	3	1	1	2	2	1
13	1	2	1	2	1	2	2	2	1	1	2	1
14	1	2	1	1	1	2	2	2	1	1	2	1
15	1	2	1	2	1	2	2	1	1	1	2	1
16	1	2	1	2	1	2	3	2	1	1	2	1
17	1	2	1	2	1	2	3	2	1	1	2	1
18	1	1	1	2	1	2	3	2	1	1	2	1
19	1	1	1	2	1	2	3	1	1	1	2	1
20	1	1	1	2	1	2	3	3	1	1	2	1
21	1	1	1	2	1	2	3	2	1	0	2	1
22	1	1	1	2	1	2	2	2	1	0	2	1
23	1	1	1	2	1	2	2	1	1	1	2	2
24	1	1	1	2	1	2	2	1	1	1	2	2
25	1	1	1	1	2	2	2	1	1	1	2	2
26	1	1	1	1	2	2	2	8	1	1	2	3
27	1	1	1	1	1	2	2	5	0	1	2	3
28	1	1	1	1	2	3	3	3	1	1	2	2
29	1	1	1	1	.....	4	2	2	7	1	1	2
30	1	1	1	1	.....	3	.....	.....	0	1	1	2
31	1	.....	1	1	.....	3	.....	.....	.....	1	1	.....
Mean	1	2	1	1	2	2	2	1	1	1	2	1
Max.	1	2	1	2	2	4	3	8	7	3	2	3
Min.	1	1	1	1	1	1	2	1	0	0	1	1
A.F.	61	99	61	85	81	125	143	127	85	81	107	79
Total acre-feet 1134.												

SCOTTSBLUFF DRAIN NO. 1—Sec. 25-22-55 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	10	10	9	9	6	6	4	6	6	12	10
2	10	15	10	9	9	6	5	5	13	3	13	11
3	10	13	10	9	9	6	5	1	9	4	12	7
4	10	10	10	9	9	6	5	6	7	7	5	11
5	11	12	10	9	9	6	5	11	8	4	5	8
6	15	11	10	9	9	8	5	8	9	15	2	8
7	13	11	10	9	9	7	6	7	5	31	12	11
8	11	11	10	9	9	7	6	6	4	12	13	13
9	10	11	10	9	9	7	6	6	8	7	14	13
10	10	10	10	8	9	6	6	5	1	20	15	11
11	12	10	10	8	9	6	6	6	5	19	15	13
12	11	10	10	9	9	6	7	6	1	7	16	12
13	10	10	10	10	9	6	7	6	2	10	14	11
14	10	10	11	10	9	5	7	6	0	18	11	13
15	10	10	11	10	9	5	7	7	2	10	13	11
16	10	10	11	10	8	5	7	7	31	9	14	13
17	10	10	11	10	8	5	7	6	6	11	15	19
18	10	10	10	10	8	5	7	2	4	10	20	15
19	10	10	10	10	8	4	7	6	2	19	14	15
20	10	10	10	9	8	4	7	7	7	18	10	13
21	10	10	10	9	8	4	7	6	2	12	10	10
22	10	10	10	9	7	4	7	7	0	16	11	10
23	10	10	9	9	7	4	7	8	0	8	13	10
24	10	10	9	9	7	3	6	7	0	10	15	13
25	10	10	9	9	7	3	6	7	0	12	15	11
26	10	10	9	9	7	3	6	8	3	11	12	9
27	10	10	9	9	6	3	5	7	3	11	13	10
28	10	10	9	9	6	5	5	8	3	7	6	11
29	10	10	9	9	.....	9	5	8	3	13	11	11
30	10	10	9	9	.....	7	5	8	6	10	9	18
31	10	.....	9	9	.....	6	.....	8	.....	12	13	.....
Mean	10	10	10	9	8	5	6	6	5	12	12	12
Max.	15	15	11	10	9	9	7	11	34	31	20	19
Min.	10	10	9	9	6	3	5	2	0	3	2	7
A.F.	611	623	605	563	456	331	363	463	303	718	740	708
Total acre-feet 6454.												

DEPARTMENT OF ROADS AND IRRIGATION

625

SCOTTSBLUFF DRAIN NO. 2—Sec. 34-22-54 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	7	4	3	2	3	3	2	6	7	4	8
2	8	10	4	3	3	3	3	2	6	6	6	8
3	8	9	4	3	2	3	3	2	5	4	5	7
4	8	8	4	3	2	3	3	2	5	2	5	7
5	8	9	4	3	2	3	3	2	5	2	6	7
6	10	8	3	3	2	4	3	2	5	5	6	7
7	10	8	3	3	2	4	3	2	5	3	10	8
8	9	8	3	3	2	4	3	2	5	4	7	9
9	8	8	3	2	2	3	3	2	5	5	10	9
10	8	8	3	3	2	3	3	2	6	7	11	11
11	8	7	3	3	2	3	3	3	7	6	9	10
12	8	7	4	3	2	3	4	3	9	4	13	9
13	8	7	4	3	2	3	4	2	8	4	12	8
14	8	7	4	3	2	3	3	3	9	5	12	8
15	8	7	3	2	2	3	3	3	8	5	9	8
16	7	6	3	3	2	3	3	3	10	5	7	9
17	7	6	3	3	2	3	3	3	7	5	7	10
18	7	6	3	3	2	3	3	3	7	6	8	8
19	7	6	3	3	2	2	3	10	6	6	8	8
20	7	6	3	3	2	2	2	4	6	7	9	8
21	7	5	3	3	2	2	2	5	5	6	8	8
22	7	5	3	2	2	2	2	5	6	6	8	9
23	7	5	3	2	2	2	2	5	5	6	7	10
24	7	5	3	2	2	2	2	5	6	7	7	10
25	7	5	3	2	4	2	2	7	10	7	8	8
26	7	4	3	2	4	2	2	6	6	6	8	8
27	7	4	3	2	3	4	2	6	5	6	8	9
28	7	4	3	2	3	8	2	6	8	10	7	8
29	7	4	3	2	6	6	2	5	8	12	7	9
30	7	4	3	2	2	4	2	5	7	12	8	8
31	7	....	3	2	....	4	....	5	....	6	9	....
Mean	8	6	3	3	2	3	3	4	6	6	8	8
Max.	10	10	4	3	4	8	4	10	10	12	13	11
Min.	7	4	3	2	2	2	2	2	5	2	4	7
A.F.	470	383	200	163	123	196	161	234	389	361	494	504

Total acre-feet 3678.

SHEEP CREEK NEAR MORRILL—Sec 16-23-57 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	75	46	72	62	60	61	53	18	11	13	14
2	4	85	52	71	61	60	60	53	16	10	12	14
3	4	88	56	66	61	62	60	53	14	10	12	14
4	39	86	56	68	61	60	60	54	14	9	11	13
5	95	82	58	69	61	60	60	53	11	10	12	12
6	96	81	57	66	60	60	60	53	6	10	11	11
7	93	81	53	67	60	62	60	55	6	11	17	12
8	90	78	67	69	58	62	60	56	7	9	12	15
9	89	80	72	73	58	62	60	33	5	10	13	15
10	89	81	71	68	58	64	60	12	6	8	14	12
11	90	86	73	69	58	65	60	12	6	11	16	16
12	89	84	69	58	60	64	60	10	8	11	16	16
13	89	88	69	71	58	65	58	11	7	9	15	15
14	88	55	73	66	59	63	59	10	7	8	15	12
15	88	56	71	69	60	62	57	10	8	8	16	14
16	89	62	75	69	58	62	58	11	8	9	15	12
17	90	62	75	69	60	61	57	10	9	13	15	13
18	88	62	72	69	61	62	57	11	9	9	17	12
19	89	62	71	68	60	62	58	10	10	11	16	13
20	88	62	69	67	60	61	55	10	9	7	16	12
21	85	62	71	70	60	61	55	12	11	7	11	10
22	82	64	69	69	60	61	56	12	11	11	11	11
23	83	67	69	63	60	61	55	12	11	9	12	11
24	83	65	69	63	61	61	54	9	10	11	11	12
25	84	53	70	63	61	61	55	10	8	11	13	12
26	83	49	70	62	61	61	53	10	11	11	14	11
27	81	51	71	62	60	62	53	11	9	12	14	8
28	84	38	69	63	61	62	58	10	13	12	14	9
29	83	48	71	62	....	62	53	10	16	15	14	11
30	80	50	71	62	....	62	53	9	11	15	14	11
31	89	....	69	61	....	62	....	12	....	13	15	....
Mean	77	68	67	66	59	61	57	22	10	10	13	12
Max.	96	88	75	72	62	65	61	56	18	15	17	16
Min.	4	38	46	61	58	60	53	9	5	7	11	8
A.F.	4770	4050	4140	4110	3330	3800	3420	1390	614	649	847	743

Total acre-feet 31860.

REPORT OF THE STATE ENGINEER

SILVERNAIL DRAIN—Sec. 6-19-49 W.

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	4	4	16	9	6	6
2	*	*	*	*	*	*	4	5	28	6	6	7
3	*	*	*	*	*	*	4	4	12	6	5	7
4	*	*	*	*	*	*	5	3	35	6	5	7
5	*	*	*	*	*	*	5	3	30	7	5	9
6	*	*	*	*	*	*	4	4	31	7	6	9
7	*	*	*	*	*	*	4	4	35	10	8	8
8	*	*	*	*	*	*	3	4	35	14	7	8
9	*	*	*	*	*	*	3	4	20	21	8	9
10	*	*	*	*	*	*	4	5	27	23	8	8
11	*	*	*	*	*	*	8	5	33	28	8	7
12	*	*	*	*	*	*	8	6	28	26	8	7
13	*	*	*	*	*	*	7	6	27	16	8	7
14	*	*	*	*	*	*	6	6	25	10	8	7
15	*	*	*	*	*	*	5	27	18	8	6	22
16	*	*	*	*	*	*	4	20	18	11	6	13
17	*	*	*	*	*	*	5	20	34	7	6	17
18	*	*	*	*	*	*	4	16	18	11	6	18
19	*	*	*	*	*	*	4	9	26	12	8	17
20	*	*	*	*	*	*	4	6	31	6	7	8
21	*	*	*	*	*	*	4	11	18	6	7	8
22	*	*	*	*	*	*	4	9	31	10	8	8
23	*	*	*	*	*	*	4	11	34	13	7	8
24	*	*	*	*	*	*	4	10	28	15	6	8
25	*	*	*	*	*	*	4	17	14	7	7	8
26	*	*	*	*	*	*	4	13	10	8	8	8
27	*	*	*	*	*	*	4	12	15	9	6	8
28	*	*	*	*	*	*	4	9	12	9	7	8
29	*	*	*	*	*	*	4	9	8	7	7	8
30	*	*	*	*	*	*	4	7	6	6	7	8
31	*	*	*	*	*	*	4	10	8	7	7	8
Mean	*	*	*	*	*	*	4	9	23	11	7	9
Max.	*	*	*	*	*	*	8	27	35	28	8	22
Min.	*	*	*	*	*	*	3	3	5	6	5	6
A.F.	*	*	*	*	*	*	268	553	1392	678	420	557

Total acre-feet 3868.

* No Record.

SKUNK CREEK—Sec. 1-14-37 W.

Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	1	2	2	2	2	2	2	2	1	1
2	1	1	1	2	2	2	2	2	2	2	1	1
3	1	1	1	2	2	2	2	2	2	2	1	1
4	1	1	1	2	2	2	2	2	2	2	1	1
5	1	1	1	2	2	2	2	2	2	2	1	1
6	1	1	1	2	2	2	2	2	2	2	1	1
7	1	1	1	2	2	2	2	2	2	2	1	1
8	1	1	1	2	2	2	2	2	2	2	1	1
9	1	1	1	2	2	2	2	2	2	2	1	1
10	1	1	1	2	2	2	2	2	2	2	1	1
11	1	1	2	2	2	2	2	2	2	1	1	1
12	1	1	2	2	2	2	2	2	2	1	1	1
13	1	1	2	2	2	2	2	2	2	1	1	1
14	1	1	2	2	2	2	2	2	2	1	1	1
15	1	1	2	2	2	2	2	2	2	1	1	1
16	1	1	2	2	2	2	2	2	2	1	1	1
17	1	1	2	2	2	2	2	2	2	1	1	1
18	1	1	2	2	2	2	2	2	2	1	1	1
19	1	1	2	2	2	2	2	2	2	1	1	1
20	1	1	2	2	2	2	2	2	2	1	1	1
21	1	1	2	2	2	2	2	2	2	1	1	1
22	1	1	2	2	2	2	2	2	2	1	1	1
23	1	1	2	2	2	2	2	2	2	1	1	1
24	1	1	2	2	2	2	2	2	2	1	1	1
25	1	1	2	2	2	2	2	2	2	1	1	1
26	1	1	2	2	2	2	2	2	2	1	1	1
27	1	1	2	2	2	2	2	2	2	1	1	1
28	1	1	2	2	2	2	2	2	2	1	1	1
29	1	1	2	2	2	2	2	2	2	1	1	1
30	1	1	2	2	2	2	2	2	2	1	1	1
31	1	1	2	2	2	2	2	2	2	1	1	1
Mean	1	1	2	2	2	2	2	2	2	1	1	1
Max.	1	1	2	2	2	2	2	2	2	2	1	1
Min.	1	1	2	2	2	2	2	2	2	1	1	1
A.F.	61	60	103	123	111	123	119	123	119	81	61	60

Total acre-feet 1144.

DEPARTMENT OF ROADS AND IRRIGATION

627

SPOTTED TAIL CREEK, DRY—Sec. 28-23-56 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	32	26	28	22	30	24	14	56	40	24	27
2	50	32	26	28	22	36	22	15	47	42	24	26
3	50	32	26	30	22	36	20	16	39	36	29	29
4	48	32	26	30	22	36	19	12	43	36	31	23
5	46	32	26	30	22	36	19	13	43	36	24	19
6	46	32	26	30	22	40	19	13	46	36	29	20
7	42	30	26	30	20	40	18	15	46	37	36	28
8	40	30	26	32	20	38	18	16	43	37	31	31
9	40	30	28	31	22	36	18	17	40	37	26	29
10	40	30	30	36	22	34	18	19	39	37	24	32
11	40	30	32	34	22	36	18	20	40	36	24	31
12	38	30	32	32	22	36	17	23	46	41	25	29
13	38	28	32	30	22	34	17	24	45	52	24	28
14	38	28	30	28	20	32	17	24	44	48	28	29
15	38	28	30	28	20	30	17	21	40	44	28	26
16	36	28	30	26	22	30	17	22	44	32	29	27
17	36	28	28	26	24	35	17	24	40	44	30	25
18	36	28	28	26	24	35	17	29	41	52	28	28
19	36	28	28	24	24	33	17	25	41	52	24	26
20	36	28	26	24	24	33	17	28	42	37	23	27
21	34	28	26	24	22	32	16	27	43	26	24	28
22	34	28	28	24	22	32	16	30	42	24	24	23
23	34	26	28	24	22	30	16	35	43	28	25	28
24	34	26	28	24	22	28	16	38	39	29	26	27
25	34	26	28	22	20	26	16	39	44	24	22	28
26	34	26	28	22	20	28	16	42	43	22	21	28
27	32	26	28	22	24	30	14	42	44	22	24	27
28	32	26	28	22	28	30	14	39	43	26	13	27
29	32	26	28	22	....	28	14	38	54	27	20	29
30	32	26	28	22	....	26	14	30	48	30	20	32
31	32	....	28	22	....	24	....	34	....	24	28	....
Mean	38	28	28	27	22	33	17	25	43	35	25	27
Max.	50	32	32	36	28	40	24	42	56	52	36	32
Min.	32	26	26	22	20	24	14	12	39	22	13	19
A.F.	2356	1706	1722	1653	1230	2003	1027	1555	2594	2170	1563	1620
Total acre-feet 21204.												

SPOTTED TAIL CREEK, WET—Sec. 6-22-55 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	20	18	16	14	14	13	15	24	19	18	16
2	16	20	18	16	14	15	13	15	24	18	18	16
3	16	20	18	16	14	15	13	15	25	18	18	16
4	16	20	18	16	14	15	13	15	25	18	18	15
5	16	20	18	16	14	15	13	16	24	18	18	15
6	16	20	18	16	14	15	13	16	24	18	18	15
7	16	20	18	16	12	15	12	16	25	18	18	15
8	16	20	18	16	12	15	12	16	25	18	18	15
9	16	18	18	16	10	15	12	17	25	18	18	16
10	16	18	18	18	8	15	12	17	25	18	18	15
11	16	18	20	18	8	14	12	17	24	18	18	15
12	16	18	20	18	8	14	12	17	25	18	18	15
13	16	18	20	18	8	14	11	18	25	18	18	15
14	16	18	20	16	9	14	11	18	25	18	18	15
15	16	18	20	16	9	14	11	18	25	18	17	15
16	17	18	18	16	10	14	11	18	26	18	17	15
17	17	18	18	14	10	14	11	18	22	18	16	15
18	17	20	18	14	8	13	11	19	23	18	16	15
19	17	20	18	14	8	13	11	19	22	18	16	15
20	17	20	18	14	8	13	11	20	21	19	16	15
21	17	20	17	14	10	13	11	20	21	19	16	16
22	17	20	17	16	10	13	11	21	21	19	16	16
23	17	20	17	16	10	13	11	21	22	18	16	16
24	17	20	17	16	10	12	11	22	21	18	16	16
25	18	18	17	16	10	12	11	22	21	18	16	16
26	18	18	17	15	12	12	11	22	20	18	16	16
27	18	18	17	15	12	12	11	23	19	18	16	16
28	18	18	17	15	12	12	11	24	19	18	16	16
29	18	18	17	15	....	12	11	24	19	18	16	16
30	18	18	17	14	....	12	11	24	20	18	16	16
31	18	....	17	14	....	12	....	25	....	18	16	....
Mean	17	19	18	16	11	14	12	19	23	18	17	15
Max.	18	20	20	18	14	15	13	25	26	19	18	16
Min.	16	18	17	14	8	12	11	15	19	18	16	15
A.F.	1029	1130	1105	964	591	835	710	1166	1363	1115	1063	920
Total acre-feet 11990.												

REPORT OF THE STATE ENGINEER

SPRING CREEK—Sec. 4-23-58 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	8	11	11	10	11	12	9	10	14	16	10
2	10	8	11	11	10	10	11	9	10	14	16	10
3	10	10	11	11	10	10	11	9	15	14	16	9
4	10	13	11	11	10	10	11	9	20	13	16	9
5	10	15	10	11	10	10	10	9	18	13	15	9
6	10	14	10	11	10	10	12	9	18	13	15	10
7	10	14	10	11	10	10	12	8	18	14	15	10
8	10	14	10	11	10	10	12	8	17	15	17	10
9	10	13	10	12	10	10	11	8	17	14	16	11
10	10	13	10	12	10	10	11	8	17	14	14	11
11	9	13	12	12	10	10	11	8	16	13	14	10
12	9	13	12	13	10	10	11	8	16	13	12	10
13	9	13	12	13	10	10	11	7	16	13	12	10
14	9	13	12	13	10	10	11	7	15	13	10	9
15	9	13	12	13	10	9	10	7	15	12	10	9
16	9	12	12	13	12	9	10	7	15	12	8	9
17	9	12	12	12	12	9	10	7	18	11	8	9
18	9	12	12	12	12	9	10	7	18	11	8	8
19	9	12	12	12	10	9	10	7	18	10	8	8
20	9	12	12	12	10	9	9	6	18	10	9	8
21	8	12	11	12	10	9	9	6	18	10	9	8
22	8	12	11	11	10	9	9	6	16	10	9	8
23	8	12	11	11	10	9	9	6	16	10	9	8
24	8	12	11	11	10	9	9	8	16	10	9	8
25	8	12	11	11	13	9	9	12	16	10	9	10
26	8	11	11	11	12	9	9	12	15	10	8	12
27	8	11	11	11	12	9	9	11	15	10	8	12
28	8	11	11	11	12	11	9	11	15	10	8	12
29	8	11	11	11	.....	13	9	11	15	10	10	10
30	8	11	11	11	.....	13	9	11	15	13	10	10
31	8	.....	11	11	.....	12	.....	11	.....	16	10	.....
Mean	9	12	11	12	10	10	10	8	16	12	11	10
Max.	10	15	12	13	13	13	12	12	20	16	17	12
Min.	8	8	10	11	10	9	9	6	10	10	8	8
A.F.	551	718	684	712	587	609	607	520	956	744	702	569
Total acre-feet 7959.												

STREVER CREEK—Sec. 1-8-20 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	12	9	8	7	8	13	6	12	50	1	0
2	10	12	9	7	7	8	14	6	19	39	2	0
3	10	12	9	7	7	9	14	7	30	35	1	0
4	9	12	9	7	7	9	14	8	35	37	3	0
5	9	12	9	7	7	9	14	7	42	33	2	0
6	9	12	9	7	7	9	13	6	40	29	5	0
7	9	12	9	7	7	9	13	6	37	28	8	0
8	9	12	9	7	7	9	13	6	34	29	23	0
9	9	12	9	7	7	9	12	4	27	24	30	0
10	9	11	9	7	7	9	12	10	50	29	24	0
11	9	11	9	7	7	9	12	13	38	12	26	0
12	10	11	9	6	7	9	11	11	35	9	22	0
13	10	11	9	6	7	9	11	9	34	7	16	0
14	10	11	9	6	7	9	11	6	39	6	18	0
15	10	11	9	6	8	10	10	4	37	6	16	0
16	10	11	9	6	8	10	10	4	37	2	13	0
17	10	11	9	6	8	10	10	5	37	4	9	0
18	10	11	9	6	8	10	10	7	37	3	4	0
19	10	11	9	6	8	10	10	7	30	4	3	0
20	11	10	9	6	8	10	10	10	19	5	1	0
21	11	10	9	6	8	11	9	18	75	3	2	0
22	11	10	9	6	8	11	9	19	47	1	1	0
23	11	10	8	6	8	11	9	20	45	1	1	0
24	11	10	8	6	8	11	9	27	45	2	0	0
25	11	10	8	6	8	11	8	25	41	2	0	0
26	12	10	8	6	8	11	8	42	45	2	0	0
27	12	10	8	6	8	12	8	47	40	2	0	0
28	12	10	8	6	8	12	7	44	43	2	0	0
29	12	10	8	6	.....	12	7	38	53	2	0	0
30	12	10	8	6	.....	13	7	34	47	1	0	0
31	12	.....	8	6	.....	13	.....	27	.....	1	0	.....
Mean	10	11	9	6	8	10	11	16	38	13	7	0
Max.	12	12	9	8	8	13	14	47	75	50	30	0
Min.	9	10	8	6	7	8	7	4	12	1	0	0
A.F.	635	651	536	393	417	619	631	958	2287	813	458	0
Total acre-feet 8398.												

DEPARTMENT OF ROADS AND IRRIGATION

629

TUB SPRINGS—Sec. 8-22-55 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	56	48	40	36	33	26	3	136	7	4	12
2	62	56	48	40	34	33	26	3	64	30	4	22
3	62	56	48	40	34	33	26	45	60	33	5	29
4	64	56	48	40	35	32	26	16	70	36	5	9
5	64	56	46	40	36	30	28	6	64	33	5	5
6	64	54	46	40	37	30	30	8	67	35	5	5
7	64	54	46	38	35	30	30	30	59	34	46	5
8	66	54	46	38	35	30	28	11	59	33	53	35
9	66	54	45	38	33	30	26	9	22	32	43	47
10	66	52	41	38	33	30	28	2	36	12	42	60
11	68	52	44	34	30	28	30	3	57	5	17	29
12	69	52	43	38	30	28	32	29	65	5	34	36
13	68	52	41	38	30	28	34	30	89	4	47	33
14	66	50	44	38	32	28	32	40	97	5	9	42
15	64	50	44	38	32	28	30	11	100	4	6	57
16	64	50	41	38	32	26	30	8	112	6	6	62
17	64	50	44	37	32	26	28	6	170	6	5	67
18	61	50	44	37	32	26	28	2	66	5	5	60
19	62	50	44	37	30	26	26	2	58	6	5	57
20	62	50	42	37	30	26	25	2	64	9	6	52
21	62	50	42	37	30	24	25	18	95	13	5	48
22	62	50	42	36	30	24	25	6	98	13	5	46
23	60	50	42	36	30	24	23	2	89	5	5	62
24	60	48	42	36	28	24	23	2	63	5	5	66
25	60	48	42	36	28	26	22	2	40	5	5	63
26	60	48	42	36	28	28	22	50	58	9	8	92
27	58	48	42	36	28	28	22	64	42	6	24	74
28	58	48	42	36	30	28	20	66	43	5	7	78
29	58	48	42	36	.....	26	20	26	34	6	5	93
30	58	48	42	36	.....	26	20	26	40	6	5	92
31	56	.....	42	36	.....	26	.....	52	.....	6	5	.....
Mean	63	51	44	38	32	28	26	19	70	14	14	48
Max.	69	56	48	40	37	33	34	66	136	36	53	93
Min.	56	48	42	36	28	24	20	2	22	4	5	5
A.F.	3854	3054	2709	2311	1765	1716	1569	1146	4199	831	855	2852

Total acre-feet 26861.

WHITE HORSE CREEK—Sec. 5-13-29 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	10	12	16	14	16	38	13	9	3	1	1
2	5	10	12	17	14	16	39	13	7	3	1	1
3	5	10	12	17	14	16	40	17	7	3	1	1
4	6	10	12	17	14	17	41	16	6	3	1	1
5	6	10	13	17	13	17	42	14	6	3	1	1
6	6	10	13	17	13	17	40	13	5	2	2	0
7	6	10	13	17	13	17	39	13	5	2	2	0
8	6	10	13	17	13	18	38	13	4	2	2	0
9	6	10	13	17	12	19	37	13	4	2	2	0
10	7	10	13	17	12	20	35	12	4	2	2	0
11	7	10	13	17	12	20	35	10	4	2	2	0
12	7	10	11	18	12	21	34	11	4	1	2	0
13	7	10	11	18	12	22	33	11	4	1	2	0
14	7	10	11	18	11	23	32	10	4	1	2	0
15	7	10	11	18	11	23	30	10	4	1	2	0
16	8	10	11	18	11	24	29	9	4	1	1	0
17	8	10	11	18	11	25	27	9	4	1	1	0
18	8	10	15	18	12	26	25	8	5	1	1	0
19	8	10	15	18	12	27	23	8	5	1	1	0
20	8	10	15	18	12	27	22	9	5	1	1	0
21	8	10	15	17	13	28	21	9	5	1	1	0
22	9	10	15	17	13	29	20	10	5	1	1	0
23	9	10	15	17	13	30	20	10	5	1	1	0
24	9	11	15	16	14	31	19	11	5	1	1	0
25	9	11	16	16	14	32	18	11	5	1	1	0
26	9	11	16	16	14	33	17	13	5	1	1	0
27	9	11	16	16	15	34	16	15	4	1	1	0
28	9	11	16	15	15	35	15	17	4	1	1	0
29	10	12	16	15	.....	36	11	15	4	1	1	0
30	10	12	16	15	.....	37	13	13	3	1	1	0
31	10	.....	16	15	.....	38	.....	11	.....	1	1	.....
Mean	8	10	11	17	13	24	28	12	5	2	1	0
Max.	10	12	16	18	15	38	42	17	9	3	2	1
Min.	5	10	12	15	11	16	13	9	3	1	1	0
A.F.	464	613	873	1037	712	1535	1690	728	288	93	81	10

Total acre-feet 8124.

REPORT OF THE STATE ENGINEER

WHITE RIVER AT CRAWFORD—Sec. 9-31-52 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	19	20	21	38	15	23	20	18	15	16	9
2	13	20	21	23	17	19	22	20	18	15	10	9
3	14	22	20	23	17	22	22	20	17	14	10	9
4	13	20	18	24	17	22	22	24	16	12	9	8
5	14	21	19	17	18	20	24	20	15	12	8	8
6	14	19	20	21	18	20	24	20	13	12	9	9
7	15	19	20	20	20	19	24	20	13	12	30	9
8	15	20	19	20	16	19	24	21	14	11	16	11
9	15	21	19	22	14	19	22	19	16	10	17	11
10	15	20	20	26	15	128	22	20	14	9	14	11
11	14	20	20	8	17	44	21	20	13	8	12	25
12	15	20	13	22	20	28	26	26	17	14	11	26
13	15	24	16	24	20	28	24	23	17	18	11	10
14	14	22	19	21	21	31	24	21	15	11	11	9
15	14	21	19	18	20	26	24	20	15	10	10	9
16	16	20	18	23	18	23	24	19	17	10	10	10
17	55	20	18	20	15	24	28	18	14	9	9	10
18	34	20	18	19	15	22	29	19	22	9	9	10
19	18	20	18	20	16	22	26	20	15	9	9	9
20	18	19	17	20	16	22	24	18	14	8	13	9
21	18	17	18	22	17	22	23	18	14	8	12	9
22	18	12	17	18	21	22	22	17	13	7	11	9
23	18	17	18	16	22	23	21	17	13	8	11	9
24	18	15	18	18	22	22	22	20	12	8	10	10
25	18	20	20	20	22	22	20	23	12	7	9	10
26	18	16	18	16	22	21	20	21	12	8	10	13
27	17	21	18	22	20	22	20	20	12	8	10	12
28	17	20	19	23	16	23	19	18	12	8	10	11
29	18	19	19	23	.....	24	19	17	11	8	12	12
30	19	21	19	22	.....	24	19	16	11	6	10	12
31	19	.....	20	27	.....	23	.....	15	.....	49	10	.....
Mean	18	20	19	21	19	26	23	20	14	11	12	11
Max.	55	24	21	27	38	128	29	26	22	49	30	26
Min.	13	12	13	8	14	15	19	15	11	6	8	8
A.F.	1090	1160	1140	1270	1050	1630	1360	1210	863	702	712	652
Total acre-feet 12840.												

WHITE RIVER NEAR CHADRON—Sec. 18-33-49 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	3	9	5	2	11	20	9	8	10	78	0
2	3	3	9	5	2	11	20	9	10	8	34	0
3	2	5	9	5	2	11	19	9	13	7	2	0
4	1	8	9	4	2	11	18	7	11	4	0	0
5	0	7	9	4	3	11	17	5	9	1	0	0
6	1	8	9	4	2	11	16	5	7	0	0	3
7	1	7	9	4	2	11	17	5	6	6	0	3
8	3	8	9	4	2	11	18	5	6	3	160	3
9	3	8	8	3	2	16	18	4	6	2	30	6
10	5	9	7	3	3	26	17	4	6	1	4	5
11	5	8	5	3	4	26	16	4	7	0	1	2
12	5	8	4	2	5	24	16	8	10	1	0	0
13	6	9	3	2	3	23	17	14	22	6	0	1
14	6	10	2	2	12	22	21	12	37	14	0	1
15	5	10	2	2	11	20	22	6	16	16	0	1
16	5	12	2	2	10	18	22	4	17	10	0	1
17	4	9	3	3	9	18	20	4	13	5	0	0
18	4	8	3	2	8	21	24	5	9	4	101	0
19	5	8	3	3	9	22	48	5	8	3	500	0
20	5	9	3	3	10	23	36	8	8	0	80	0
21	4	9	3	3	10	24	20	7	8	0	10	0
22	3	10	3	2	11	25	17	7	7	0	7	0
23	3	7	3	2	12	27	13	8	7	0	3	0
24	5	8	3	2	12	24	12	260	5	0	2	0
25	6	7	3	11	11	22	11	296	4	0	1	0
26	2	8	3	11	11	20	11	123	5	4	1	0
27	3	8	3	11	11	18	10	36	6	10	1	0
28	3	9	3	11	11	18	10	18	9	6	2	0
29	3	9	3	.....	.....	18	10	13	10	5	1	0
30	2	9	3	.....	.....	18	9	11	10	2	0	1
31	2	.....	4	.....	.....	18	.....	8	.....	1	0	.....
Mean	4	8	5	3	7	19	18	30	10	4	33	1
Max.	6	12	9	5	12	27	48	296	37	16	500	6
Min.	0	3	2	2	2	11	9	4	4	0	0	0
A.F.	221	478	300	170	392	1150	1080	1820	594	256	2020	55
Total acre-feet 8540.												

DEPARTMENT OF ROADS AND IRRIGATION

631

WHITE TAIL CREEK—Sec. 36-15-38 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	33	25	25	34	38	38	30	32	16	19	17
2	30	32	25	25	36	36	26	30	34	19	21	18
3	30	31	25	25	36	34	34	26	30	21	21	19
4	30	30	25	25	38	32	31	25	30	17	22	18
5	30	29	25	25	38	30	36	25	28	18	22	18
6	30	32	25	25	40	32	36	21	21	18	21	18
7	30	32	25	25	40	34	36	24	21	18	19	18
8	30	31	25	25	40	34	36	26	21	17	21	20
9	30	31	25	25	10	32	36	25	26	17	22	20
10	30	30	25	26	41	32	35	25	26	17	21	21
11	31	30	25	26	41	32	38	26	18	14	21	21
12	31	29	25	27	41	34	40	30	18	14	17	21
13	31	29	25	27	41	34	40	28	17	15	17	25
14	31	28	25	27	41	34	40	26	21	15	11	27
15	31	28	25	27	41	34	40	28	17	15	11	28
16	31	27	25	27	41	32	40	24	17	15	10	23
17	31	27	25	28	41	32	40	30	17	14	10	23
18	31	27	25	28	40	32	40	28	16	14	10	23
19	32	27	25	28	40	30	38	24	16	15	12	23
20	32	26	25	28	40	30	38	28	18	15	15	24
21	32	26	25	28	38	30	38	27	18	15	15	24
22	32	26	25	30	38	30	36	30	17	15	15	25
23	32	26	25	30	38	30	36	28	17	28	16	24
24	32	26	25	30	38	30	36	28	19	21	16	24
25	32	25	25	30	40	30	34	28	17	21	17	26
26	32	25	25	30	40	20	34	30	19	21	16	24
27	32	25	25	32	40	30	34	32	19	18	16	26
28	32	25	25	32	40	30	32	30	32	18	16	26
29	32	25	25	32	....	34	32	28	17	17	16	26
30	32	25	25	32	....	40	32	26	20	17	19	26
31	32	....	25	32	....	38	....	26	....	21	17	....
Mean	31	....	25	28	39	32	36	27	21	17	17	22
Max.	32	33	25	32	41	38	40	32	34	28	22	28
Min.	30	25	25	25	34	30	32	24	16	14	10	17
A.F.	1912	1672	1537	1710	2186	2003	2172	1676	1267	1063	1035	1341

Total acre-feet 19574.

WINTERS CREEK—Sec. 30-22-54 W.
Year Ending September 30, 1939

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	65	59	63	56	49	45	43	52	45	64	73
2	75	71	57	65	56	50	45	41	36	60	45	64
3	107	67	59	64	56	52	45	40	54	68	43	80
4	115	65	57	63	57	52	45	50	54	63	43	72
5	111	65	58	60	57	52	45	54	59	63	40	79
6	103	65	53	60	57	52	45	43	48	50	43	82
7	98	64	58	60	57	52	45	21	49	59	73	83
8	94	65	57	64	55	51	45	40	52	52	78	104
9	98	65	57	62	55	51	45	10	26	61	93	110
10	94	65	57	59	55	51	45	6	32	57	98	104
11	92	63	55	59	55	51	45	10	29	57	97	102
12	89	61	60	59	57	50	45	22	47	41	81	95
13	85	60	60	58	57	50	45	17	49	25	76	91
14	89	61	61	58	57	50	45	17	47	35	47	83
15	89	59	61	57	57	49	44	20	83	28	49	76
16	86	59	61	58	56	49	43	14	203	26	53	69
17	87	57	60	57	55	48	44	8	80	50	50	80
18	89	57	60	57	54	48	44	6	70	47	64	79
19	83	57	61	57	53	48	44	5	67	18	70	77
20	83	59	63	57	50	48	45	12	75	16	86	68
21	81	57	62	57	50	49	45	37	77	26	62	76
22	74	57	61	57	49	49	45	19	75	33	51	79
23	70	57	61	57	48	48	47	14	75	40	60	69
24	71	57	66	56	49	48	45	16	71	47	73	72
25	71	58	65	56	48	48	45	30	52	62	77	79
26	71	58	64	56	48	47	45	23	63	56	84	71
27	70	57	61	57	47	48	45	3	54	47	81	68
28	68	58	61	57	46	48	44	20	47	45	72	69
29	69	59	61	57	....	48	44	7	53	68	68	59
30	69	66	61	57	....	48	44	9	46	87	57	74
31	65	....	60	57	....	46	....	51	....	83	72	....
Mean	84	61	60	58	53	49	44	22	60	48	66	79
Max.	115	71	66	65	57	52	47	54	203	87	98	110
Min.	65	57	55	56	46	46	43	3	26	16	40	59
A.F.	5190	3630	3700	3610	2970	3030	2660	1410	3620	3000	4070	4730

Total acre-feet 41620.

REPORT OF THE STATE ENGINEER

ARIKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.6	7.0	4.4	1.7	66	28	11	13	4.6	3.9	0.5	1.8
2	7.0	7.4	3.2	1.5	64	49	10	13	5.3	3.2	.3	.7
3	7.5	7.4	2.6	1.5	62	44	8.4	11	5.3	3.2	.2	1450
4	8.2	5.8	3.5	1.4	58	43	7.2	11	3.9	5.0	.2	889
5	9.0	4.1	4.4	1.4	67	44	6.6	9.6	13	25	.0	480
6	9.2	3.5	4.4	1.4	65	45	8.4	8.4	27	13	.4	200
7	9.8	4.1	4.4	1.3	52	49	13	6.0	48	11	.5	90
8	10	4.1	4.4	1.3	28	45	17	6.6	17	9.0	.2	66
9	9.5	4.7	4.1	1.4	19	44	17	5.3	12	9.6	.0	62
10	7.8	3.5	4.1	1.5	19	44	16	2.5	6.6	9.0	.0	60
11	7.4	3.2	4.4	1.6	19	50	17	2.3	5.0	9.6	.0	58
12	7.2	2.0	4.4	1.6	14	46	17	3.6	6.0	16	.0	56
13	6.8	2.3	3.8	1.5	8.2	45	21	3.2	3.9	16	.0	54
14	6.6	2.3	2.9	1.5	9.0	64	16	3.9	3.9	17	.0	42
15	6.4	2.9	3.2	1.5	12	52	14	4.2	3.9	16	.0	38
16	6.0	2.9	4.1	1.4	16	40	14	7.2	2.2	12	.0	40
17	5.8	2.3	5.8	1.4	15	37	16	12	2.5	6.0	.0	36
18	6.0	2.6	5.8	1.3	12	31	14	17	4.6	3.9	.0	34
19	6.2	1.9	4.1	1.3	15	27	11	18	2.2	3.2	.0	32
20	6.2	1.5	3.8	1.2	10	26	10	16	.8	2.8	.0	30
21	6.2	1.9	2.4	1.2	17	24	8.4	26	.6	2.3	.0	22
22	6.2	1.9	2.0	1.1	14	24	7.2	9.0	.6	2.0	.0	24
23	6.2	1.9	1.8	1.1	15	22	6.0	7.8	.5	1.5	.0	28
24	6.2	2.9	1.9	1.1	17	20	6.0	5.3	.6	1.1	.0	30
25	6.6	2.0	1.9	1.0	21	20	6.0	6.6	1.0	2.0	.0	32
26	7.4	1.8	1.6	2.5	17	20	9.6	6.6	.7	47	12	28
27	7.8	2.0	1.6	3.0	19	17	16	6.6	.6	7.2	1.8	30
28	8.6	3.5	1.6	11	21	21	18	5.3	.4	2.3	.7	28
29	7.8	3.5	1.6	25	22	20	13	5.0	.6	1.5	.4	26
30	7.0	4.4	1.6	35	.....	15	12	6.0	1.0	.6	94	30
31	7.4	.....	1.7	45	.....	12	.....	7.8	.....	.6	15	.....
Mean	7	3	3	5	27	34	12	9	6	8	4	133
Max.	10	7.4	5.8	45	67	64	21	26	48	47	94	1450
Min.	5.8	1.5	1.6	1.0	8.2	12	6.0	2.3	0.4	0.6	0.0	0.7
A.F.	449	201	201	309	1570	2120	728	527	366	521	250	7930
Total acre-feet	15170.											

BALD DRAIN—Sec. 32-23-56 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	1	3	2	1	1	2	2	1	3	2	1
2	2	1	3	2	1	1	2	2	1	3	2	1
3	2	1	3	2	1	1	2	2	4	3	2	1
4	2	1	3	2	1	1	2	2	3	3	1	1
5	2	1	3	2	1	1	2	2	11	3	1	1
6	2	1	3	2	1	1	2	2	10	3	1	1
7	2	1	4	2	1	1	2	2	8	3	1	1
8	2	1	4	2	1	1	2	2	10	3	1	1
9	2	1	4	2	1	1	2	2	6	3	1	1
10	2	1	4	2	1	1	2	2	5	3	1	1
11	2	2	4	2	1	1	2	2	4	3	1	1
12	2	2	4	2	1	2	2	2	4	3	1	1
13	2	2	4	2	1	2	2	2	4	3	1	1
14	2	2	3	2	1	2	2	2	3	3	1	1
15	2	2	3	2	1	2	2	1	3	3	1	1
16	1	3	3	2	1	2	2	1	3	3	1	1
17	1	3	3	2	1	2	2	3	3	3	1	1
18	1	3	3	2	1	2	2	4	3	3	1	1
19	1	3	3	2	1	2	3	3	3	3	1	1
20	1	3	3	2	1	2	2	2	3	3	1	1
21	1	3	3	2	1	2	2	1	3	3	1	1
22	1	3	3	2	1	2	2	1	3	3	1	1
23	1	3	3	2	1	2	2	1	3	2	1	1
24	1	3	3	2	1	2	2	1	3	3	1	1
25	1	3	2	2	1	2	2	1	3	3	1	1
26	1	3	2	2	1	2	2	1	3	3	1	1
27	1	3	2	2	1	2	2	1	3	2	1	1
28	1	3	2	2	1	3	3	1	3	3	1	1
29	1	3	2	2	1	4	3	1	3	3	1	1
30	1	3	2	2	.....	3	3	1	3	3	1	1
31	1	.....	2	.....	.....	2	.....	2	.....	3	1	.....
Mean	1	2	3	2	1	2	2	1	3	3	1	1
Max.	2	3	4	2	1	4	3	4	11	3	2	1
Min.	1	1	2	2	1	1	2	1	1	2	1	1
A.F.	91	129	182	123	58	109	137	105	174	165	67	60
Total acre-feet	1400.											

DEPARTMENT OF ROADS AND IRRIGATION

633

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Sec. 4-20-52 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	45	39	36	34	35	28	30	2.7	26	26	12
2	50	45	38	36	34	34	29	28	2.1	28	25	11
3	50	45	38	36	35	32	28	26	5.8	28	23	12
4	48	46	38	36	36	32	28	24	38	25	24	13
5	48	46	36	35	37	33	27	24	83	24	25	12
6	47	47	38	34	38	34	27	24	71	25	23	12
7	48	46	37	35	39	33	28	24	28	26	16	11
8	55	44	36	36	36	34	28	24	4.5	28	9.6	11
9	62	44	37	37	34	34	28	24	7.5	24	16	12
10	64	43	37	38	37	33	28	12	11	1.1	20	12
11	54	43	37	37	36	33	28	5.8	13	.9	20	9.3
12	53	42	36	36	35	32	28	6.1	12	.9	20	6.1
13	52	42	36	36	34	32	28	6.8	8.9	1.1	20	5.8
14	52	40	36	35	35	34	28	4.5	4.5	1.2	18	6.1
15	51	41	37	35	34	34	1.8	1.7	2.5	1.3	9.6	6.1
16	49	41	37	35	34	34	31	10	2.1	1.1	8.2	6.4
17	49	41	38	34	34	34	32	4.8	2.1	.3	7.1	6.8
18	49	41	36	26	31	35	30	2.5	2.5	7.8	6.8	6.8
19	48	41	36	27	31	35	28	1.9	2.7	22	5.8	6.8
20	48	41	37	29	33	36	28	2.7	4.8	24	5.2	7.8
21	48	41	36	31	33	35	28	2.9	23	26	4.8	7.8
22	48	39	36	30	33	34	28	1.7	28	24	4.2	16
23	49	41	35	30	33	32	27	1.9	28	25	4.2	22
24	51	39	35	30	32	32	28	2.5	27	25	6.4	24
25	48	40	36	31	34	30	27	3.6	26	23	13	24
26	48	40	36	31	35	27	27	4.2	26	23	12	24
27	47	39	35	32	31	28	28	3.6	26	23	12	24
28	45	39	35	33	36	30	48	2.5	26	25	12	24
29	47	38	35	35	35	28	35	4.5	23	26	12	26
30	45	37	34	36	32	29	34	4.2	23	26	12	28
31	45	....	35	36	....	28	....	2.9	....	26	11	....
Mean	50	42	36	34	35	32	29	10	19	18	14	14
Max.	64	47	39	38	39	36	48	30	83	28	26	28
Min.	45	37	34	26	32	27	27	1.7	2.1	0.3	4.2	5.8
A.F.	3070	2190	2240	2070	2000	2000	1740	637	1120	1130	857	805

Total acre-feet 20150.

BEAVER CREEK NEAR BEAVER CITY—Sec. 23-2-23 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.3	0.3	0.7	1.2	0.5	0.5	12	0.5	22	6.1
2	.1	.2	.3	.4	.6	1.8	.5	.5	101	.5	17	2.3
3	.1	.2	.3	.4	.6	1.1	.4	.5	26	.5	12	1.2
4	.1	.2	.3	.5	.6	1.1	.4	.5	7.1	.9	285	.5
5	.1	.2	.3	.4	.5	1.1	.4	.5	4.9	.5	28	.5
6	.1	.2	.3	.5	.5	.9	.5	.5	4.2	.3	13	.3
7	.1	.2	.3	.6	.5	.9	.5	.5	3.7	.2	6.9	.2
8	.1	.1	.3	.6	.6	.9	.5	.5	3.3	1.7	5.6	.2
9	.2	.2	.3	.7	.5	.6	.5	.5	355	1.1	5.2	5.6
10	.2	.2	.3	.8	.5	.6	.5	.5	184	1.2	4.7	9.4
11	.1	.2	.3	.9	.8	.6	.5	.5	82	.9	194	4.4
12	.2	.2	.3	.8	1.0	1.1	.5	.4	40	.4	34	2.3
13	.1	.2	.3	.7	1.1	1.3	.5	.3	21	.2	38	.9
14	.2	.2	.4	.8	.9	1.2	.5	.3	14	.1	40	4.3
15	.1	.3	.4	.8	1.3	.7	.5	.3	36	.1	19	2.2
16	.1	.3	.3	.7	1.3	.7	.5	.3	35	.1	9.2	.1
17	.2	.3	.3	.7	1.3	.7	.6	1.3	20	.1	6.4	.1
18	.2	.3	.4	.5	1.3	.9	.5	1.2	13	.1	4.4	.1
19	.2	.2	.4	.4	1.3	1.2	.5	.6	8.9	0	3.0	0
20	.2	.2	.4	.4	.9	.9	.5	.4	22	0	1.6	0
21	.2	.3	.3	.5	.9	.6	.5	.4	15	0	2.0	0
22	.2	.3	.2	.5	1.0	.7	.6	.4	11	0	1.6	0
23	.2	.2	.2	.5	1.1	.5	.4	.3	8.0	0	1.5	0
24	.2	.2	.3	.5	1.1	.5	.6	.3	4.9	0	1.3	530
25	.2	.3	.4	.4	.9	.5	.6	.3	4.2	0	2.1	321
26	.2	.3	.4	.4	1.1	.6	.5	.3	3.3	0	.4	254
27	.2	.3	.3	.5	1.5	.6	.5	.4	2.0	158	3.3	148
28	.2	.3	.2	.6	1.5	1.1	.5	.3	1.5	468	3.1	46
29	.2	.3	.2	.6	1.2	.7	.5	.4	1.0	217	2.1	18
30	.2	.3	.1	.7	....	.6	.5	72	5	193	7.5	12
31	.2	.2	.7	....	....	.5	....	88	....	38	8.2	....
Mean	0.16	0.24	0.30	0.57	0.93	0.85	0.50	5.60	34.8	34.9	25.2	45.5
Max.	.2	.3	.4	.9	1.5	1.8	.6	88	355	468	285	530
Min.	.1	.1	.1	.3	.5	.5	.4	.3	.5	0	.4	0
A.F.	9.9	14	18	35	54	52	30	345	2070	2150	1550	2700

Total acre-feet 9030.

REPORT OF THE STATE ENGINEER

BIRDWOOD CREEK NEAR HERSHEY—Sec. 2-14-33 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	137	149	160	145	216	196	166	137	123	112	88	108
2	130	160	159	145	216	208	159	132	99	110	86	105
3	126	156	166	145	216	184	153	137	99	108	85	103
4	149	156	162	145	210	169	143	140	159	118	86	129
5	164	156	162	140	205	169	143	143	169	126	86	132
6	156	164	166	145	200	169	162	131	176	137	85	132
7	153	164	166	150	200	166	159	120	218	140	103	132
8	149	169	162	160	195	159	137	118	162	137	110	129
9	218	169	162	175	130	166	143	129	140	134	108	120
10	169	174	162	190	195	150	146	118	118	103	103	118
11	164	169	159	190	210	150	146	110	123	99	101	115
12	164	169	159	190	205	150	129	115	123	94	97	123
13	164	164	153	185	198	143	134	134	115	90	99	123
14	160	164	143	180	195	143	153	134	110	90	105	123
15	160	164	143	180	190	159	156	118	123	88	110	120
16	156	164	153	185	188	162	156	115	123	88	105	120
17	156	160	153	175	185	159	159	118	118	88	115	123
18	153	160	156	175	185	153	169	162	110	92	105	123
19	160	153	146	180	180	153	159	120	112	97	105	123
20	149	156	143	175	180	153	162	105	123	101	118	123
21	145	156	137	170	175	143	162	120	137	162	120	123
22	153	160	143	165	172	143	162	146	153	146	108	123
23	156	164	143	162	185	140	146	137	150	112	108	118
24	160	160	145	160	190	150	150	134	150	137	112	118
25	156	156	145	165	190	159	159	129	146	86	115	137
26	153	160	135	180	196	156	156	120	150	85	120	146
27	145	164	135	190	208	153	169	115	140	88	176	150
28	137	160	135	200	208	204	176	129	118	92	156	134
29	130	160	140	205	204	172	159	120	112	110	118	120
30	126	156	145	210	.....	172	162	123	110	94	118	143
31	126	.....	145	217	.....	172	.....	134	.....	94	110	.....
Mean	152	161	151	171	196	162	154	127	134	108	108	125
Max.	218	174	166	217	216	208	176	162	218	162	176	150
Min.	126	149	135	140	172	140	129	105	99	85	85	103
A.F.	9370	9590	9290	10670	11260	9970	9190	7830	7950	6660	6670	7410
Total acre-feet	105900.											

BLUE CREEK NEAR LEWELLEN—Sec. 30-16-42 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	54	93	86	116	120	97	65	57	74	79	85
2	12	57	91	86	116	142	95	60	53	85	76	84
3	12	53	94	86	116	118	93	61	57	85	76	81
4	22	55	93	86	110	109	91	58	75	79	77	86
5	14	55	94	86	110	106	92	56	107	76	76	88
6	14	63	96	82	112	105	91	58	90	64	57	83
7	13	73	93	86	114	101	90	57	79	53	27	78
8	14	75	93	94	117	100	92	54	26	54	14	79
9	27	77	94	102	105	100	93	31	16	54	13	82
10	30	77	93	111	117	99	97	21	8.4	54	12	82
11	22	80	90	110	123	97	93	9.6	5.1	62	12	64
12	18	80	90	108	115	96	93	6.8	8.8	124	12	59
13	18	84	86	108	113	94	94	12	8.8	55	14	58
14	21	86	84	108	113	97	88	57	6.8	10	18	58
15	22	86	85	106	113	107	87	50	3.9	4	13	61
16	25	87	87	108	108	105	90	106	12	3	61	61
17	28	87	89	102	106	100	106	12	2.5	3	35	64
18	28	86	87	96	106	85	115	15	1.7	28	61	63
19	28	84	83	104	108	97	105	16	1.6	76	62	60
20	29	84	83	98	107	97	99	14	10	77	58	59
21	31	85	85	94	107	98	97	12	27	80	78	59
22	31	85	83	92	107	98	94	8.4	60	79	84	47
23	39	85	82	90	108	95	84	11	64	78	84	26
24	38	82	82	92	103	92	86	8	62	76	84	20
25	37	83	85	90	106	98	84	4.5	61	77	86	17
26	38	91	82	98	113	99	82	4.5	60	78	88	12
27	38	92	80	102	111	97	81	6	72	79	84	6
28	40	93	80	104	114	101	86	5.4	75	79	85	4
29	35	93	82	109	113	100	91	30	72	81	85	7
30	44	93	84	110	.....	99	73	66	72	82	86	19
31	50	.....	86	112	.....	99	.....	64	.....	80	86	.....
Mean	27	79	87	98	111	102	92	30	42	66	57	55
Max.	50	93	96	112	123	142	115	66	107	124	88	88
Min.	12	53	80	82	103	92	73	4.5	1.6	3	12	4
A.F.	1650	4690	5370	6040	6400	6270	5470	1880	2500	4090	3530	3280
Total acre-feet	51170.											

DEPARTMENT OF ROADS AND IRRIGATION

635

BLUE RIVER, BIG, AT BARNSTON—Sec. 13-1-7 E.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	90	158	80	110	200	198	181	173	133	29	71
2	58	95	118	76	110	260	112	120	101	142	31	78
3	61	80	144	70	115	240	186	117	171	94	511	190
4	60	84	155	76	110	223	152	122	118	88	729	107
5	87	61	123	84	115	283	79	52	73	83	1550	50
6	158	81	95	90	110	366	182	149	93	68	1080	221
7	153	86	113	94	94	299	173	216	111	48	642	280
8	179	58	126	90	100	246	148	136	91	83	952	153
9	180	61	119	86	120	251	144	231	167	72	846	116
10	63	65	109	90	110	228	176	151	227	70	270	95
11	46	86	118	86	135	256	178	146	196	58	85	44
12	50	94	113	90	120	227	102	160	116	72	399	46
13	64	105	110	91	110	160	157	176	107	73	417	47
14	121	74	224	100	115	160	140	138	149	42	420	51
15	69	123	124	98	130	190	163	90	151	66	221	43
16	60	111	116	90	125	221	91	139	110	63	439	73
17	56	110	66	86	140	249	175	166	150	36	217	73
18	64	92	85	110	110	285	178	259	123	41	85	52
19	62	206	88	105	120	376	126	235	73	74	121	46
20	54	154	61	110	135	347	109	282	239	64	40	65
21	63	56	136	115	115	212	163	369	811	37	47	50
22	68	60	121	110	100	260	149	199	592	61	702	40
23	44	61	115	120	90	266	176	212	561	67	1050	34
24	46	97	107	110	80	210	176	275	1280	94	101	43
25	68	110	101	80	90	206	234	215	787	68	101	95
26	57	120	100	82	115	199	282	116	384	43	1360	107
27	80	98	96	86	145	81	201	154	333	57	2260	183
28	125	97	90	94	140	142	132	153	208	35	527	133
29	57	89	82	120	160	175	153	127	142	66	164	51
30	115	153	76	115	.....	208	179	84	157	44	85	74
31	69	.....	84	110	.....	184	.....	131	.....	35	49	.....
Mean	80	95	112	95	116	233	160	171	266	67	501	90
Max.	180	206	224	120	160	376	282	369	1280	142	2260	280
Min.	40	56	61	70	80	51	79	52	73	35	29	34
A.F.	4910	5670	6880	5850	6680	14300	9510	10520	15860	4120	30800	5380

Total acre-feet 120500.

BLUE RIVER, LITTLE, NEAR ENDICOTT—Sec. 5-1-3 E.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	74	100	124	84	98	170	132	125	100	85	62	62
2	74	97	122	82	98	180	129	120	100	75	63	72
3	75	100	121	80	105	175	125	121	99	78	66	61
4	74	103	120	86	100	180	124	118	94	76	58	64
5	90	103	120	90	110	192	121	114	93	75	217	67
6	79	115	120	94	105	188	122	114	89	73	200	64
7	78	97	118	100	100	187	134	128	92	70	114	67
8	79	104	118	96	105	180	136	132	92	73	97	61
9	82	107	120	92	110	177	132	145	94	82	185	62
10	84	107	118	94	115	187	129	139	110	87	104	56
11	82	106	122	90	125	168	128	125	142	74	90	58
12	84	108	118	92	125	160	127	120	190	73	99	58
13	86	108	118	94	122	135	128	115	148	72	104	56
14	85	110	118	98	125	135	122	110	129	70	85	62
15	82	111	120	93	125	169	122	108	120	68	104	57
16	85	113	118	92	120	155	122	111	108	63	128	60
17	84	114	118	91	125	155	132	124	104	63	96	56
18	85	113	122	100	120	147	131	131	99	61	82	58
19	89	111	120	98	125	144	127	122	93	56	76	56
20	89	114	120	100	125	141	125	125	87	49	68	55
21	85	114	120	105	120	142	122	124	85	62	69	57
22	89	115	111	105	110	141	127	326	106	60	68	55
23	90	113	108	105	105	136	124	222	92	66	64	60
24	87	114	76	98	100	134	127	150	92	61	64	66
25	90	114	108	94	115	134	128	128	156	64	58	176
26	87	115	103	96	130	132	124	118	204	60	78	184
27	96	114	100	98	150	132	125	115	139	59	72	281
28	92	115	96	100	145	136	129	108	107	61	69	161
29	93	118	86	105	160	135	135	104	97	60	68	120
30	93	121	82	100	.....	132	131	106	85	62	66	114
31	97	.....	88	98	.....	132	.....	104	.....	66	64	.....
Mean	85	110	112	95	118	155	127	131	112	68	91	83
Max.	97	121	124	105	160	192	136	326	204	87	217	281
Min.	74	97	76	80	98	127	121	104	85	49	58	55
A.F.	5230	6530	6890	5860	6780	9540	7580	8040	6640	4170	5570	4930

Total acre-feet 77760.

REPORT OF THE STATE ENGINEER

BUFFALO CREEK—Sec. 33-9-18 W.
Year Ending September 30, 1910

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	3	4	4	4	4	22	61	2	0	0	0
2	0	3	4	4	4	4	22	34	3	0	0	0
3	0	3	4	4	4	4	5	24	14	2	0	0
4	0	3	4	4	4	4	6	24	38	3	0	0
5	0	3	4	4	4	4	6	26	31	3	0	0
6	0	3	4	4	4	4	7	27	24	2	0	0
7	0	3	4	4	4	4	7	28	19	1	0	0
8	1	3	4	4	4	4	7	28	44	7	0	0
9	1	3	4	4	4	4	8	29	32	120	0	0
10	1	3	4	4	4	4	8	29	26	217	1	0
11	1	3	4	4	4	4	8	30	29	244	37	0
12	1	3	4	4	4	4	7	32	26	64	158	0
13	1	3	4	4	4	4	7	32	28	38	222	0
14	1	3	4	4	4	4	6	33	32	40	44	0
15	1	3	4	4	4	4	6	33	24	30	20	0
16	2	3	4	4	4	4	6	34	15	24	14	0
17	2	3	4	4	4	4	5	35	14	19	4	0
18	2	3	4	4	4	4	5	35	18	11	5	0
19	2	3	4	4	4	4	5	36	17	6	3	0
20	2	3	4	4	4	4	5	36	11	4	2	0
21	2	3	4	4	4	4	5	36	10	3	1	0
22	2	3	4	4	4	4	5	36	11	1	1	0
23	2	3	4	4	4	4	8	25	25	3	0	0
24	2	3	3	4	4	4	10	25	24	4	0	0
25	2	3	3	4	4	4	14	25	17	11	0	0
26	2	3	3	4	4	4	16	10	26	1	0	0
27	3	3	5	4	4	4	17	20	21	1	0	0
28	3	3	4	4	4	4	18	20	12	1	0	0
29	3	3	4	4	4	4	19	20	11	1	0	0
30	3	3	4	4	.....	.....	20	20	7	0	0	0
31	3	.....	4	4	.....	.....	20	.....	3	.....	.....	.....
Mean	2	3	4	4	4	4	9	27	23	28	16	0
Max.	3	3	5	4	4	4	20	35	44	244	222	0
Min.	0	3	3	4	4	4	4	20	3	0	0	0
A.F.	89	178	242	246	230	545	1622	1396	1718	1016	0	0

Total acre-feet 7282.

BULL DRAIN—Sec. 19-13-28 W.
Year Ending September 30, 1910

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	1	2	1	3	2	2	1	0	0	0
2	1	1	1	2	1	3	2	2	1	0	0	0
3	1	1	1	2	1	3	2	2	2	0	0	0
4	1	1	1	2	1	3	2	1	2	0	0	0
5	1	1	1	2	1	3	2	1	3	0	0	0
6	1	1	1	1	1	3	2	1	4	0	0	0
7	1	1	1	1	1	3	2	1	5	0	0	0
8	1	1	1	1	1	3	2	1	5	0	0	0
9	1	1	1	1	1	3	2	1	4	0	0	0
10	1	1	1	1	1	3	2	1	3	0	0	0
11	1	1	2	1	1	3	2	1	3	0	0	0
12	1	1	2	1	1	3	2	1	2	0	0	0
13	1	1	2	1	1	3	2	1	2	0	0	0
14	1	1	2	1	1	3	2	1	2	0	0	0
15	1	1	2	1	1	3	2	1	1	0	0	0
16	1	1	2	1	1	3	2	1	1	0	0	1
17	1	1	2	1	1	3	2	1	1	0	0	1
18	1	1	2	1	1	3	2	1	1	0	0	1
19	1	1	2	1	1	3	2	1	1	0	0	1
20	1	1	2	1	1	3	2	1	1	0	0	1
21	1	1	2	1	1	3	2	1	1	0	0	1
22	1	1	2	1	1	3	2	1	1	0	0	1
23	1	1	2	1	1	3	2	1	1	0	0	1
24	1	1	2	1	1	3	2	1	1	0	0	1
25	1	1	2	1	1	3	2	1	1	0	0	1
26	1	1	2	1	1	3	2	1	1	0	0	1
27	1	1	2	1	1	3	2	1	1	0	0	1
28	1	1	2	1	1	3	2	1	1	0	0	1
29	1	1	2	1	1	3	2	1	1	0	0	1
30	1	1	2	1	.....	.....	2	1	1	0	0	1
31	1	.....	2	1	.....	.....	2	1	.....	0	0	.....
Mean	1	1	2	1	1	3	2	1	2	0	0	1
Max.	1	1	2	2	3	3	2	2	5	0	0	1
Min.	1	1	1	1	1	1	2	2	0	0	0	0
A.F.	61	60	103	71	97	133	119	67	95	0	0	30

Total acre-feet 836.

DEPARTMENT OF ROADS AND IRRIGATION

637

CASTLE ROCK SEBP—Sec. 20-21-53 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.0	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.6	0.7	0.4	0.9
2	0	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.6	0.7	0.4	0.9
3	0	0.5	0.6	0.5	0.7	0.4	0.5	0.5	0.6	0.6	0.4	0.9
4	0	0.5	0.6	0.6	0.7	0.4	0.5	0.5	1.1	0.5	0.6	0.9
5	0	0.5	0.6	0.6	0.7	0.4	0.5	0.5	1.1	0.5	0.4	1.2
6	0	0.5	0.6	0.8	0.7	0.4	0.6	0.5	1.8	0.5	0.4	1.1
7	0	0.5	0.6	0.8	0.7	0.4	0.8	0.5	1.1	0.5	0.4	1.1
8	0	0.5	0.7	0.8	0.6	0.4	0.8	0.5	1.1	0.5	0.4	1.2
9	0.5	0.5	0.7	0.6	0.6	0.4	0.8	0.5	1.1	0.5	0.4	1.2
10	0.8	0.5	0.7	0.6	0.6	0.4	0.8	0.5	1.1	0.5	0.4	2.0
11	0.8	0.5	0.7	0.4	0.5	0.5	0.8	0.5	1.2	0.5	0.7	1.9
12	0.8	0.5	0.7	0.4	0.5	0.5	0.8	0.5	1.2	0.5	0.7	1.2
13	0.8	0.5	0.7	0.4	0.5	0.5	0.6	0.5	1.2	0.7	0.6	1.1
14	0.6	0.5	0.7	0.4	0.5	0.5	0.6	0.5	1.2	0.7	0.7	1.1
15	0.6	0.5	0.7	0.4	0.5	0.5	0.7	0.5	1.2	0.5	0.8	1.2
16	0.6	0.5	0.7	0.4	0.5	0.5	1.0	0.5	1.2	0.7	0.7	1.1
17	0.6	0.5	0.7	0.4	0.5	0.5	1.0	0.6	1.1	0.7	0.7	1.1
18	0.6	0.5	0.7	0.4	0.5	0.5	0.9	0.6	1.2	0.7	0.7	1.2
19	0.6	0.5	0.7	0.4	0.5	0.5	0.7	0.6	1.0	0.5	0.7	1.4
20	0.6	0.5	0.7	0.4	0.5	0.5	0.7	0.7	0.9	0.5	0.8	1.8
21	0.4	0.5	0.7	0.4	0.5	0.5	0.7	0.7	0.9	0.5	0.8	1.8
22	0.4	0.5	0.7	0.4	0.5	0.5	0.6	0.7	0.9	0.5	0.8	2.0
23	0.4	0.5	0.9	0.4	0.5	0.5	0.6	1.1	0.9	0.5	0.8	2.0
24	0.4	0.5	0.9	0.4	0.5	0.5	0.6	1.1	0.9	0.4	0.8	2.0
25	0.4	0.5	0.9	0.4	0.5	0.5	0.6	0.6	0.9	0.4	0.8	2.0
26	0.4	0.5	0.8	0.4	0.5	0.5	0.6	0.6	0.9	0.4	0.8	1.8
27	0.4	0.5	0.8	0.5	0.5	0.5	0.7	0.6	0.9	0.4	0.9	1.6
28	0.4	0.5	0.6	0.5	0.5	1.0	1.1	0.6	0.9	0.4	0.8	1.6
29	0.4	0.5	0.5	0.5	0.5	0.8	0.8	0.6	0.9	0.4	0.8	1.6
30	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.4	0.8	1.6
31	0.4	.....	0.5	0.5	0.5	0.5	.....	0.6	.....	0.4	0.9	.....
Mean	0.4	0.5	0.7	0.5	0.5	0.5	0.7	0.6	1.0	0.5	0.7	1.4
Max.	0.8	0.5	0.9	0.8	0.7	1.0	1.1	1.1	1.2	0.7	0.9	2.0
Min.	0	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.6	0.4	0.4	0.9
A.F.	21	30	40	30	32	30	42	36	60	32	40	84

Total acre-feet 480.

CEDAR CREEK—Sec. 11-18-48 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	11	12	13	14	16	13	13	2	7	7	2
2	5	11	12	14	13	15	13	12	2	7	3	2
3	5	11	12	14	13	14	13	13	2	7	3	2
4	5	11	12	14	13	13	13	12	4	7	3	2
5	7	11	12	15	13	13	13	12	4	7	3	2
6	11	12	12	16	13	13	13	11	3	7	2	2
7	11	12	12	15	13	13	14	10	4	2	2	2
8	11	12	12	14	13	13	14	10	4	1	2	2
9	11	12	12	14	13	13	13	5	13	1	2	2
10	11	12	12	14	13	13	14	5	5	1	2	2
11	11	12	12	14	13	13	14	8	3	2	2	2
12	11	12	12	14	13	13	14	5	2	14	2	2
13	11	12	12	14	13	13	13	3	2	2	2	3
14	11	12	12	14	13	13	12	1	2	3	11	3
15	11	12	12	14	13	13	12	12	2	3	11	3
16	11	12	12	14	13	13	15	5	2	2	12	3
17	11	12	12	14	13	13	16	2	2	2	2	2
18	11	12	12	14	13	13	14	2	2	3	2	2
19	11	12	12	14	13	13	14	1	2	7	2	2
20	11	12	12	14	13	13	14	1	2	7	2	2
21	11	12	12	14	13	13	13	2	2	7	2	7
22	11	12	12	14	13	13	13	1	2	7	2	7
23	11	12	13	14	13	13	13	2	2	7	2	7
24	11	12	13	15	13	13	13	2	2	7	2	3
25	11	12	13	15	13	13	13	2	2	7	2	3
26	11	12	13	15	13	13	12	2	2	7	2	3
27	11	12	13	15	13	13	12	2	6	7	2	3
28	11	12	13	14	13	16	16	2	6	7	2	4
29	11	12	13	14	13	16	16	2	6	7	2	4
30	11	12	13	14	.....	15	14	2	6	7	2	5
31	11	.....	13	14	.....	14	.....	.....	.....	7	2	.....
Mean	10	12	12	14	13	14	13	5	3	5	3	3
Max.	11	12	13	16	14	16	16	13	13	7	12	7
Min.	5	11	12	13	13	13	12	1	2	1	2	2
A.F.	621	704	756	875	750	831	803	325	198	333	196	176

Total acre-feet 6568.

REPORT OF THE STATE ENGINEER

 CLEAR CREEK—Sec. 32-16-41 W.
 Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	7	6	8	7	4	9	1	0	2	3	3
2	4	7	6	8	7	4	9	1	0	2	2	2
3	9	7	6	8	7	4	9	1	0	2	2	2
4	9	7	6	8	7	4	9	0	0	2	2	2
5	9	7	6	8	7	4	9	1	2	2	2	2
6	9	7	6	8	7	6	9	1	2	2	2	2
7	9	7	6	8	7	6	9	0	3	2	2	2
8	9	6	6	8	7	6	9	0	3	2	2	2
9	9	6	6	8	6	6	9	0	1	2	2	2
10	9	6	6	10	6	6	9	0	1	2	2	7
11	8	6	7	9	6	7	9	0	1	2	2	3
12	8	6	7	9	6	7	9	0	1	2	2	3
13	8	6	7	9	6	7	9	0	1	0	2	3
14	8	6	7	9	6	8	9	0	1	0	2	3
15	8	6	7	9	6	8	9	0	0	0	3	3
16	8	6	7	9	6	9	11	0	0	0	3	3
17	8	6	7	9	6	9	12	0	0	0	3	3
18	8	6	7	8	6	9	10	0	0	0	3	3
19	8	6	7	8	4	9	9	0	0	2	3	0
20	8	6	7	8	4	9	9	0	0	2	3	0
21	7	6	7	8	3	9	9	0	5	2	3	0
22	7	6	7	8	3	9	8	0	3	2	3	0
23	7	6	7	8	3	9	8	0	5	2	3	2
24	7	6	7	8	3	9	0	0	3	2	3	2
25	7	6	7	7	3	9	0	0	3	2	3	2
26	7	6	7	7	3	9	0	0	3	2	3	2
27	7	6	8	7	3	9	0	0	2	2	3	2
28	7	6	8	7	3	9	0	0	2	2	3	4
29	7	6	8	7	3	9	0	0	2	3	3	4
30	7	6	8	7	3	9	0	0	2	3	3	4
31	7	8	7	8	7	9	0	0	3	3	3	4
Mean	8	6	7	8	5	6	7	0.2	1	2	3	2
Max.	9	7	8	10	7	9	12	1	5	3	3	7
Min.	4	6	6	7	3	4	0	0	0	0	2	0
A.F.	470	357	420	494	300	399	418	10	50	107	161	159

Total acre-feet 3345.

 CLEVELAND DRAIN—Sec. 6-20-52 W.
 Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	2	1	1	1	1	1	9	16	0	1	8
2	6	2	1	1	1	1	1	7	9	1	1	6
3	5	1	1	1	1	1	1	5	28	1	1	4
4	5	1	1	1	1	1	1	10	24	1	0	3
5	5	1	1	1	1	1	1	6	24	1	1	4
6	5	1	1	1	1	1	1	5	30	5	1	4
7	5	1	1	1	1	1	1	7	13	3	1	5
8	5	1	1	1	1	1	1	7	9	7	2	5
9	5	1	1	1	1	1	1	7	6	6	3	4
10	5	1	1	1	1	1	1	7	6	6	1	9
11	5	1	1	1	1	1	1	6	5	4	1	7
12	5	1	1	1	1	1	1	6	5	4	2	6
13	4	1	1	1	1	1	1	6	6	4	2	5
14	4	1	1	1	1	1	1	3	6	4	1	6
15	4	1	1	1	1	1	1	3	12	6	2	8
16	4	1	1	1	1	1	1	5	3	9	8	8
17	3	1	1	1	1	1	1	4	4	12	8	6
18	3	1	1	1	1	1	1	4	5	12	8	5
19	3	1	1	1	1	1	1	4	4	7	7	6
20	3	1	1	1	1	1	1	3	3	12	9	9
21	2	1	1	1	1	1	1	2	3	9	2	10
22	2	1	1	1	1	1	1	1	5	9	2	10
23	2	1	1	1	1	1	1	1	4	9	2	8
24	2	1	1	1	1	1	1	1	3	11	2	9
25	2	1	1	1	1	1	1	1	3	10	2	9
26	2	1	1	1	1	1	1	1	3	14	2	9
27	2	1	1	1	1	1	1	2	4	2	4	8
28	2	1	1	1	1	1	1	3	5	2	2	4
29	2	1	1	1	1	1	1	3	7	2	2	4
30	2	1	1	1	1	1	1	3	7	4	1	4
31	2	1	1	1	1	1	1	10	1	1	5	4
Mean	4	1	1	1	1	1	2	5	10	4	2	6
Max.	10	2	1	1	1	1	5	10	28	9	6	10
Min.	2	1	1	1	1	1	1	3	2	0	0	3
A.F.	230	63	61	61	58	61	105	331	641	238	143	383

Total acre-feet 2375.

DEPARTMENT OF ROADS AND IRRIGATION

639

COLD WATER CREEK—Sec. 34-18-46 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	2	2	1	0.5	0.1	0.5	1	4	3	3
2	1	1	2	2	1	.5	.1	.2	1	4	3	11
3	1	1	2	2	1	1	.1	.1	1	4	3	6
4	1	1	2	1	1	1	.1	.2	5	4	3	6
5	1	1	1	1	1	1	.1	.1	23	4	3	3
6	1	1	1	1	1	1	.1	.1	4	4	3	3
7	1	2	2	1	1	1	.1	.2	2	4	3	1
8	1	1	1	1	1	1	.1	.1	.5	4	9	1
9	1	1	1	1	1	1	.1	.1	.5	1	4	5
10	.3	1	1	1	1	1	.1	.2	0	4	1	1
11	.3	1	1	1	.5	1	.2	.2	2	4	1	1
12	.3	1	1	1	.5	.5	.2	.2	2	4	1	1
13	.3	1	1	1	.5	.5	.2	.2	2	4	1	1
14	.3	1	1	1	.5	.5	.2	.2	.5	1	1	1
15	.3	1	1	1	.5	.2	.2	.2	.5	1	1	4
16	.3	1	1	1	.3	.2	.2	.2	.5	1	1	3
17	.3	1	1	1	.3	.2	.2	.2	1	1	1	3
18	.3	1	1	1	.3	.2	.2	.2	1	2	3	1
19	.3	1	1	1	.3	.2	.2	.2	1	4	3	1
20	1	1	1	1	.3	.2	.2	.2	1	2	3	3
21	1	1	1	1	.3	.2	.2	.2	1	3	3	5
22	1	1	1	1	.3	.2	.2	.2	1	3	3	3
23	1	1	1	1	.3	.2	.2	.2	1	3	3	5
24	1	1	1	1	.3	.2	.2	.2	1	3	3	3
25	1	2	2	1	.3	.2	.2	.2	1	3	3	5
26	1	1	1	1	.3	.2	.2	.2	1	3	3	5
27	1	1	1	1	.3	.2	.2	.2	1	3	3	3
28	1	1	1	1	.3	.1	.1	.1	1	3	3	5
29	1	1	1	1	.3	.1	.1	.2	1	3	3	6
30	1	1	1	1	.1	.1	.2	.2	1	2	3	3
31	1	1	1	1	....	.1	....	.1	....	3	7	7
Mean	0.8	1	1	1	0.5	0.5	0.2	1.1	3	3	3	3
Max.	1	2	3	2	1	1	.2	2	23	4	9	11
Min.	.3	1	2	1	.3	.1	.1	.5	0	1	1	1
A.F.	48	89	143	67	34	29	10	69	157	198	161	190

Total acre-feet 1195.

DAWSON COUNTY DRAIN—Sec. 25-10-23 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	2	5	3	2	4	4	3	4	2	2	1
2	0	2	5	3	2	4	4	3	4	2	2	1
3	0	2	5	3	2	4	4	3	4	2	2	1
4	0	2	5	3	2	4	4	3	4	2	2	1
5	0	2	5	3	2	4	4	3	2	2	2	1
6	0	2	5	3	2	4	5	3	3	2	2	1
7	0	2	5	3	2	4	5	4	34	1	2	0
8	0	2	5	3	2	4	5	4	12	1	2	1
9	0	2	5	3	2	4	5	6	7	2	2	1
10	0	2	5	3	2	4	5	4	8	1	2	0
11	0	3	6	2	3	4	5	4	4	2	2	0
12	0	3	6	2	3	4	5	4	3	2	2	0
13	0	3	6	2	3	4	4	4	3	2	2	0
14	0	3	6	2	3	4	4	4	3	2	2	0
15	0	3	6	2	3	4	4	4	3	4	1	0
16	1	3	6	2	3	4	4	4	3	2	1	0
17	1	3	6	2	3	4	4	4	3	2	1	0
18	1	3	6	2	3	4	4	4	3	1	1	0
19	1	3	6	2	3	4	3	4	3	1	1	0
20	1	3	6	2	3	4	3	4	3	1	1	0
21	1	4	5	2	4	4	3	4	2	1	1	0
22	1	4	5	2	4	4	3	4	2	2	1	0
23	1	4	5	2	4	4	3	4	2	2	1	0
24	1	4	5	2	4	4	3	5	2	2	1	1
25	1	4	4	2	4	4	3	5	2	2	1	1
26	2	4	4	2	4	4	3	6	2	2	1	1
27	2	4	4	2	4	4	3	6	2	2	1	0
28	2	4	3	2	4	4	3	6	2	2	1	0
29	2	4	3	2	4	4	3	5	2	2	1	0
30	2	4	3	2	....	4	3	4	2	1	1	0
31	2	....	3	2	....	4	....	4	....	2	1	....
Mean	1	3	5	2	3	4	4	4	4	2	1	0.3
Max.	2	4	6	3	4	4	5	6	34	4	2	1
Min.	1	2	3	2	2	4	3	3	2	1	1	0
A.F.	44	178	305	143	170	246	228	256	264	111	89	22

Total acre-feet 2056.

REPORT OF THE STATE ENGINEER

DeGRAW DRAIN—Sec. 24-20-51 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	5	5	5	4	5	3	5	1	1	1	1
2	4	5	5	5	4	5	3	5	1	1	1	1
3	4	5	5	5	4	5	3	5	1	1	1	1
4	4	5	5	5	4	6	3	5	1	1	1	1
5	4	5	5	4	4	6	3	5	1	1	1	1
6	4	5	5	4	4	7	3	5	1	1	1	1
7	4	5	5	4	6	7	3	3	1	1	1	1
8	4	5	5	4	6	7	3	3	1	1	1	1
9	8	5	5	3	6	7	3	3	1	1	1	1
10	7	5	5	3	6	6	3	3	1	1	1	1
11	6	5	5	3	6	6	3	3	1	2	1	1
12	6	5	5	3	6	6	3	3	1	3	1	1
13	6	5	5	3	6	5	3	2	1	5	1	1
14	5	5	5	3	6	5	3	2	1	2	1	1
15	5	5	5	3	6	5	3	2	1	1	1	1
16	5	5	5	3	6	5	4	2	1	1	1	1
17	5	5	5	3	5	5	5	2	1	1	1	1
18	5	5	5	3	5	5	6	2	1	1	1	1
19	5	5	5	3	5	5	4	2	1	1	1	1
20	5	5	5	3	5	5	4	2	1	1	1	1
21	5	5	5	3	5	5	3	2	1	1	1	1
22	5	5	5	3	5	5	4	3	1	1	1	1
23	5	5	5	4	5	4	3	2	1	1	2	1
24	5	5	5	4	5	4	3	2	1	1	1	1
25	5	5	5	4	5	4	3	2	1	1	1	1
26	5	5	5	4	5	4	3	1	1	1	1	1
27	5	5	5	4	5	3	3	1	1	1	1	1
28	5	6	5	4	5	3	5	1	1	1	1	1
29	5	6	5	4	5	3	5	1	1	1	1	1
30	5	6	5	4	...	3	5	1	1	1	1	1
31	5	...	5	4	...	3	...	1	...	1	1	...
Mean	5	5	5	4	5	5	3	2	1	1	1	1
Max.	8	6	5	5	6	7	6	5	1	5	3	1
Min.	4	5	5	3	4	4	3	1	1	1	1	1
A.F.	307	303	307	226	298	303	206	155	60	75	69	60

Total acre-feet 2369.

DUGOUT CREEK, UPPER—Sec. 20-20-50 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	6	5	3	3	2	1	1	1	1	1	0
2	7	6	5	3	3	2	1	1	1	1	0	0
3	7	6	5	3	3	2	1	1	1	1	1	0
4	7	6	5	3	3	2	1	1	1	1	0	1
5	7	6	5	3	3	2	1	1	14	1	1	0
6	7	5	4	3	3	2	1	1	2	1	0	0
7	7	5	4	3	3	2	1	1	1	1	0	0
8	7	5	4	3	3	2	1	1	1	1	1	0
9	7	5	4	3	3	2	1	1	1	1	0	1
10	7	5	4	3	3	2	1	1	2	1	1	1
11	7	5	4	3	3	2	1	1	7	1	1	1
12	7	5	4	3	3	2	1	1	8	1	0	1
13	7	5	4	3	3	2	1	1	4	1	1	1
14	7	5	4	3	3	2	1	1	1	1	1	1
15	7	5	4	3	3	2	1	1	1	1	1	1
16	8	5	4	3	3	2	1	1	1	1	1	1
17	8	5	4	3	3	2	1	1	1	1	1	0
18	8	5	4	3	3	1	1	1	1	1	1	0
19	8	5	4	3	3	1	1	1	1	1	1	0
20	8	5	4	3	3	1	1	1	0	0	1	30
21	8	5	4	3	3	1	1	1	0	0	1	1
22	8	5	4	3	3	1	1	1	0	0	1	0
23	8	5	4	3	3	1	1	1	0	1	1	1
24	8	5	4	3	3	1	1	1	1	1	1	1
25	8	5	4	3	3	1	1	1	1	1	1	1
26	7	5	3	3	3	1	1	1	1	0	1	1
27	7	5	3	3	3	1	1	1	1	0	1	1
28	7	5	3	3	3	1	1	1	1	1	1	1
29	7	5	3	3	3	1	1	1	1	1	1	1
30	7	5	3	3	...	1	1	2	1	1	0	1
31	7	...	3	3	...	1	...	14	...	1	0	...
Mean	7	5	4	3	3	2	1	1	2	1	1	2
Max.	8	6	5	3	3	2	1	14	14	1	1	30
Min.	7	5	3	3	3	1	1	1	0	0	0	0
A.F.	450	307	244	184	153	95	60	89	125	52	46	95

Total acre-feet 1900.

DEPARTMENT OF ROADS AND IRRIGATION

641

ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	49	86	103	44	64	160	275	347	98	79	104	33
2	50	86	103	44	64	170	258	355	96	78	69	31
3	49	86	103	46	62	178	231	352	99	78	57	29
4	51	89	103	48	62	191	198	315	240	75	51	28
5	53	89	101	50	62	224	181	278	186	68	53	29
6	53	90	104	52	64	237	173	242	425	64	56	33
7	55	90	103	56	66	212	170	216	233	61	50	35
8	58	92	102	58	66	200	165	200	189	60	46	31
9	64	92	103	64	68	210	159	188	256	55	43	28
10	71	92	104	68	68	197	154	179	222	53	41	29
11	70	92	103	70	74	178	150	171	182	50	41	33
12	69	92	103	74	80	156	145	164	170	49	49	36
13	70	94	99	78	86	101	150	158	158	48	82	36
14	70	94	102	80	104	108	149	150	140	45	62	35
15	77	94	103	84	100	186	146	145	133	46	50	35
16	78	94	104	84	107	231	145	142	115	47	43	35
17	78	95	104	82	108	244	174	142	108	44	40	35
18	78	95	104	80	110	231	186	150	100	40	37	33
19	78	96	102	82	116	229	188	146	93	36	36	31
20	78	98	98	84	122	256	195	138	334	44	35	33
21	79	96	88	84	122	258	197	131	282	40	33	38
22	81	98	78	81	120	229	222	128	150	38	31	41
23	80	99	64	84	114	197	251	125	129	36	30	41
24	78	98	62	70	112	189	240	122	118	31	30	41
25	80	99	60	60	114	188	254	117	109	28	28	41
26	82	100	54	58	125	178	282	116	102	38	31	43
27	84	101	45	61	135	176	278	113	97	45	37	44
28	85	101	43	62	145	188	290	112	94	48	40	44
29	86	102	40	62	155	268	318	109	86	52	38	45
30	85	103	38	64	.....	258	336	104	84	52	34	45
31	87	.....	40	66	.....	273	.....	101	.....	97	33	.....
Mean	71	94	86	67	96	203	209	176	161	52	45	36
Max.	87	103	104	84	155	273	336	355	425	97	104	45
Min.	49	86	38	44	62	101	145	101	84	28	28	28
A.F.	4380	5620	5290	4130	5540	12500	12420	10820	9580	3220	2800	2120

Total acre-feet 78420.

ELKHORN RIVER AT WATERLOO—Sec. 21-16-10 E.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	105	202	297	135	200	340	695	1180	338	827	573	298
2	104	202	281	130	195	370	665	970	621	782	389	272
3	104	216	281	140	190	410	654	773	319	740	890	259
4	107	210	268	158	190	470	605	689	1210	679	992	251
5	114	212	281	150	200	520	561	660	10100	635	788	238
6	118	212	285	165	210	550	545	638	21600	599	884	230
7	120	224	285	180	210	570	567	731	22500	568	609	221
8	120	224	285	175	210	580	551	1690	22000	583	521	298
9	132	226	293	190	200	570	534	875	17100	620	419	355
10	134	236	293	200	210	550	534	643	8520	536	374	317
11	134	239	293	210	230	550	518	551	3360	495	364	345
12	140	236	293	220	250	570	486	529	2710	464	531	263
13	140	236	293	230	270	520	476	476	2040	434	872	221
14	144	239	285	250	290	450	471	445	1540	409	1060	209
15	150	243	276	260	280	480	460	1350	1270	394	1950	204
16	154	243	285	260	310	620	455	1070	1140	384	1630	196
17	156	246	302	250	290	800	455	594	1040	364	1020	196
18	158	246	315	230	300	1100	455	481	950	331	701	196
19	160	246	310	250	310	900	476	440	887	321	646	188
20	165	250	302	260	320	803	481	397	905	308	568	196
21	169	250	272	250	310	797	529	374	845	294	444	196
22	169	254	268	260	300	719	567	342	797	294	360	192
23	169	254	197	240	280	677	610	328	1490	285	331	204
24	173	261	190	190	270	654	643	324	2200	280	308	204
25	178	264	180	170	260	626	689	310	1440	255	317	196
26	180	261	160	170	270	588	707	302	1150	246	280	196
27	187	264	140	175	280	561	725	293	912	242	896	188
28	190	264	125	180	290	572	773	293	957	242	836	192
29	192	276	120	185	313	845	976	285	964	276	490	192
30	194	281	115	190	.....	857	1110	268	950	414	434	192
31	199	.....	120	195	.....	970	.....	264	.....	531	350	.....
Mean	150	240	248	202	256	632	599	539	4395	446	672	230
Max.	199	281	315	260	320	1100	1110	1690	22500	827	1950	355
Min.	104	202	115	130	190	340	455	264	319	242	280	188
A.F.	9240	14300	15250	12390	14750	38850	35650	36820	261500	27440	41310	13700

Total acre-feet 521200.

Station moved to this location July 2, 1940.

REPORT OF THE STATE ENGINEER

ELM CREEK—Sec. 33-9-18 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	5	1	1	0	1	14	0	0	14	0
2	0	0	4	1	1	1	1	17	0	0	16	0
3	0	0	4	1	1	1	0	15	1	0	19	0
4	0	0	2	1	1	1	0	8	0	0	20	0
5	0	0	2	1	1	1	0	8	0	1	25	0
6	0	0	2	0	1	1	0	3	2	4	25	0
7	0	0	7	0	1	1	1	2	0	1	24	0
8	0	0	2	0	1	2	1	3	42	1	19	0
9	0	0	19	0	1	2	0	3	38	1	19	0
10	0	0	19	0	1	2	0	4	38	11	17	0
11	0	2	10	0	0	2	0	32	57	269	1	0
12	0	2	6	0	0	3	0	15	9	430	2	0
13	0	2	6	0	0	4	0	13	14	14	6	0
14	0	2	6	0	0	4	0	9	35	12	7	0
15	0	2	6	0	0	4	0	9	15	11	9	0
16	0	3	8	0	0	3	1	8	13	6	3	0
17	0	3	8	0	0	2	5	1	9	2	0	0
18	0	3	8	0	0	1	15	1	5	3	0	0
19	0	3	8	0	0	1	5	0	1	1	0	0
20	0	3	10	0	0	1	5	1	1	0	0	0
21	0	5	4	0	0	1	5	0	0	8	0	0
22	0	5	4	0	0	1	5	1	0	16	0	0
23	0	5	3	9	0	1	4	0	0	4	0	0
24	0	5	3	0	0	1	4	11	0	1	0	0
25	0	5	2	0	0	1	4	11	0	0	0	19
26	0	5	1	0	0	1	4	4	0	2	0	2
27	0	5	1	0	0	1	15	1	0	10	0	0
28	0	5	1	0	0	1	10	0	0	11	0	0
29	0	5	1	0	0	1	10	4	0	12	0	0
30	0	5	1	0	0	1	5	3	0	20	0	0
31	0	.....	1	0	.....	1	.....	1	.....	19	0	.....
Mean	0	2	5	0.1	0.3	1	3	6	9	28	7	1
Max.	0	5	19	1	1	4	15	32	57	430	25	19
Min.	0	0	1	0	0	0	0	0	0	0	0	0
A.F.	0	149	307	10	20	97	200	401	555	1725	448	42

Total acre-feet 3954.

FAIRFIELD SEEP—Sec. 18-21-53 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	0	0	0	0	0	0	3	0	0.4	0.3	0.7
2	1	0	0	0	0	0	0	3	0	.4	.4	1
3	1	0	0	0	0	0	0	3	0	.4	.5	1
4	1	0	0	0	0	1	0	3	1	1	.5	1.7
5	1	0	0	0	0	1	0	2	2	1	.5	1
6	1	0	0	0	0	1	0	2	3	1	.7	1
7	1	0	0	0	0	1	0	2	2	1	.7	1
8	1	0	0	0	0	1	0	1	2	.4	.7	1
9	1	0	0	0	0	1	0	1	2	.5	.7	1
10	1	0	0	0	0	1	0	1	1	.0	.8	2
11	1	9	0	0	9	1	0	1	2	.3	1	1.7
12	1	0	0	0	0	1	0	0	2	.3	1	1
13	1	0	0	0	0	1	0	0	2	.4	1	1
14	1	0	0	0	0	1	0	0	2	.4	1	1
15	1	0	0	0	0	1	0	0	1	.4	.8	1
16	0	0	0	0	0	1	2	0	1	.5	.7	1
17	0	0	0	0	0	1	0	1	1	.4	1	1
18	0	0	0	0	0	1	1	1	1	.4	1	.7
19	0	0	0	0	0	1	1	1	0	.4	1	.7
20	0	0	0	0	0	1	1	1	0	.4	1	1
21	0	0	0	0	0	1	0	2	2	.4	1	2
22	0	0	0	0	0	1	0	2	1	.4	1	1.7
23	0	0	0	0	0	1	0	2	0	.2	1	1
24	0	0	0	0	0	1	0	2	1	.4	1.5	1
25	0	0	0	0	0	1	0	2	1	.2	2.0	1.4
26	0	0	0	0	0	1	0	1	1	.6	1.5	1
27	0	0	0	0	0	1	0	0	1	.5	1.5	1
28	0	0	0	0	0	2	1	0	1	.4	1.5	1
29	0	0	9	9	0	1	2	0	1	.4	1	1
30	0	0	0	0	.....	0	3	0	1	.4	1	1
31	0	.....	0	0	.....	0	.....	0	.....	.0	1	.....
Mean	0.5	0	0	0	0	1	0.4	1	1	0.4	0.9	0.7
Max.	1	0	0	0	0	1	3	3	3	1	2	2
Min.	0	0	0	0	0	0	0	0	0	.0	.3	.7
A.F.	30	0	0	0	0	54	24	71	65	27	57	45

Total acre-feet 373.

DEPARTMENT OF ROADS AND IRRIGATION

643

FANNING SEEP—Sec. 28-23-56 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	4	4	3	2	2	2	2	3	3	0	2
2	5	4	4	3	2	2	2	2	3	3	0	2
3	5	4	4	3	2	2	2	2	3	3	1	2
4	5	4	3	3	2	2	2	2	4	3	0	2
5	5	4	3	3	2	2	2	2	2	2	0	2
6	6	4	3	3	2	2	2	2	3	3	0	2
7	5	4	3	3	2	2	2	2	2	1	1	1
8	5	4	3	3	2	2	2	2	2	3	0	2
9	5	4	3	3	2	2	2	2	2	2	1	2
10	5	4	3	3	2	2	2	2	3	2	2	3
11	5	4	3	3	2	2	2	2	2	2	2	2
12	5	4	3	3	2	2	2	2	2	2	1	2
13	5	4	3	3	2	2	2	2	2	2	1	2
14	5	4	3	3	2	2	2	2	2	2	1	2
15	5	4	3	3	2	2	2	1	2	2	1	2
16	4	4	3	2	2	2	2	1	3	2	1	2
17	4	4	3	2	2	2	6	1	3	3	1	2
18	4	4	3	2	2	3	4	1	1	2	2	2
19	4	4	3	2	2	3	3	1	3	2	2	4
20	4	4	3	2	2	3	3	1	2	2	2	3
21	4	4	3	2	2	3	1	1	3	3	2	3
22	4	4	3	2	2	3	3	1	3	3	2	3
23	4	4	3	2	2	3	2	2	2	2	2	3
24	4	4	3	2	2	3	2	2	1	1	2	4
25	4	4	3	2	2	3	2	2	2	2	2	3
26	4	4	3	2	2	3	2	2	2	1	3	3
27	4	4	3	2	2	3	3	2	2	1	3	3
28	4	4	3	2	2	3	3	2	2	1	3	3
29	4	4	3	2	2	3	4	2	2	1	3	3
30	4	4	3	2	2	2	4	2	2	1	3	3
31	4	.....	3	2	.....	2	.....	3	.....	1	2	.....
Mean	5	4	3	2	2	3	2	2	2	2	1	2
Max.	5	4	4	3	2	3	6	3	4	3	3	3
Min.	4	4	3	2	2	2	2	1	1	1	0	1
A.F.	276	238	190	153	115	178	149	109	143	121	93	149

Total acre-feet 1914.

FRENCHMAN RIVER ABOVE CHAMPION—Sec. 19-6-39 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	14	17	18	27	40	28	11	28	.....	.....	.....
2	18	14	15	18	26	45	20	11	21	.....	.....	.....
3	18	14	15	18	30	44	28	12	13	.....	.....	.....
4	18	15	15	18	34	34	28	12	16	.....	.....	.....
5	18	15	15	18	32	22	28	13	27	.....	.....	.....
6	18	15	15	24	27	17	28	13	678	.....	.....	.....
7	18	15	15	27	27	17	28	13	3890	.....	.....	.....
8	18	15	15	26	27	18	28	13	.....	.....	.....	.....
9	21	16	15	26	26	18	28	14	.....	.....	.....	.....
10	22	16	15	24	27	21	28	14	.....	.....	.....	.....
11	21	16	15	24	30	22	28	14	.....	.....	.....	.....
12	22	16	15	24	26	26	28	14	.....	.....	.....	.....
13	22	16	15	22	21	24	28	12	.....	.....	.....	.....
14	22	16	15	22	21	27	28	12	.....	.....	.....	.....
15	22	16	16	22	22	32	33	13	.....	.....	.....	.....
16	18	17	16	22	26	30	44	14	.....	.....	.....	.....
17	14	17	16	22	36	30	30	32	.....	.....	.....	.....
18	14	17	16	27	40	30	12	38	.....	.....	.....	.....
19	14	16	16	22	39	27	12	26	.....	.....	.....	.....
20	12	16	18	22	39	24	12	26	.....	.....	.....	.....
21	12	16	18	22	38	24	12	27	.....	.....	.....	.....
22	12	17	18	22	38	24	12	27	.....	.....	.....	.....
23	12	16	18	22	38	24	12	27	.....	.....	.....	.....
24	12	15	18	22	36	24	13	27	.....	.....	.....	.....
25	13	16	18	22	34	26	13	30	.....	.....	.....	.....
26	14	16	18	24	32	24	13	30	.....	.....	.....	.....
27	16	16	18	24	28	24	13	28	.....	.....	.....	.....
28	18	15	18	26	32	26	13	36	.....	.....	.....	.....
29	18	16	18	27	36	30	13	40	.....	.....	.....	.....
30	18	15	18	27	.....	34	13	36	.....	.....	.....	.....
31	17	.....	20	27	.....	34	.....	32	.....	.....	.....	.....
Mean	17	16	16	23	31	27	22	22	.....	.....	.....	.....
Max.	22	17	20	27	40	45	44	40	3890	.....	.....	.....
Min.	12	14	15	18	21	17	12	11	13	.....	.....	.....
A.F.	1050	932	1010	1410	1780	1670	1300	1320	9270	.....	.....	.....

Total acre-feet 19740.

Station discontinued after flood of June 7, 1940.

REPORT OF THE STATE ENGINEER

FRENCHMAN RIVER BELOW CHAMPION—Sec. 22-6-39 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	37	29	30	31	46	42	20	39	50	*	*
2	38	27	27	27	30	45	36	28	39	47	*	*
3	26	20	22	29	32	45	42	16	59	50	*	*
4	23	26	37	25	32	44	34	17	42	49	*	*
5	37	9	20	26	42	27	42	18	61	50	*	*
6	25	24	24	27	27	23	31	19	585	51	*	*
7	18	25	33	28	34	37	38	18	4990	47	*	*
8	27	24	25	33	34	29	39	23	1260	54	*	*
9	43	30	20	34	35	21	50	13	217	53	*	*
10	27	23	23	39	34	30	50	22	120	50	*	*
11	39	24	29	31	34	34	47	10	83	52	*	*
12	33	26	24	23	45	32	34	10	63	58	*	*
13	32	29	24	39	25	38	40	23	58	56	*	*
14	27	29	26	23	38	24	34	22	41	52	*	*
15	32	35	30	31	27	44	42	20	48	51	*	*
16	44	26	18	28	29	31	40	15	53	51	*	*
17	23	20	21	31	30	34	48	24	52	49	*	*
18	23	24	24	27	43	42	41	32	37	47	*	*
19	27	29	28	31	51	31	23	27	40	46	*	*
20	34	31	27	30	40	32	56	44	45	46	*	*
21	36	31	34	30	48	32	20	44	43	45	*	*
22	7	27	28	33	42	34	38	55	40	43	*	*
23	22	35	20	31	46	30	42	54	41	42	*	*
24	18	26	23	31	42	32	29	67	44	42	*	*
25	16	33	29	33	41	42	39	69	43	150	*	*
26	25	24	31	28	42	28	52	37	44	100	*	*
27	24	27	29	40	37	29	21	31	46	90	*	*
28	28	27	28	23	40	42	24	37	44	75	*	*
29	27	27	29	37	36	28	23	41	43	50	*	*
30	34	26	30	26	.....	41	20	41	42	47	*	*
31	29	.....	27	30	.....	38	.....	42	.....	41	*	.....
Mean	28	27	26	39	37	34	35	30	279	56	†‡	†‡
Max.	41	37	37	46	51	46	48	69	4990	150	.....	.....
Min.	7	9	18	23	25	21	20	10	37	41	.....	.....
A.F.	1730	1590	1620	1850	2130	2090	2080	1860	16590	3410	†2580	†2380

Total acre-feet 39940.

*No report.

†‡Estimated.

FRENCHMAN RIVER NEAR HAMLET—Sec. 29-5-34 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	81	74	79	78	100	108	96	81	85	108	94	89
2	77	76	79	74	98	116	99	83	80	111	100	82
3	82	74	84	76	102	124	98	80	80	112	105	77
4	68	73	78	76	100	120	97	76	88	111	96	88
5	69	75	83	70	104	113	91	75	78	108	91	91
6	76	74	82	72	106	111	92	68	239	107	97	124
7	77	81	82	72	106	111	92	80	1280	104	98	136
8	76	76	82	70	112	105	80	64	2040	103	96	110
9	77	70	81	66	106	100	90	67	1550	97	94	100
10	79	70	82	70	103	104	88	67	1200	101	101	86
11	82	80	80	82	107	98	88	68	522	120	103	88
12	78	81	83	80	105	104	96	68	324	97	102	88
13	72	81	80	78	112	88	90	68	246	96	97	77
14	73	86	76	75	104	82	91	65	184	93	98	79
15	76	83	76	80	104	96	80	61	170	93	82	79
16	73	82	77	72	103	106	85	68	165	86	81	82
17	80	81	76	64	97	108	91	67	160	87	93	74
18	83	81	78	71	96	96	95	67	158	86	95	77
19	74	80	83	74	95	103	95	75	148	80	93	78
20	73	80	81	76	101	107	86	75	136	83	81	73
21	69	86	80	72	100	107	76	50	135	82	81	76
22	70	76	80	70	107	102	80	68	129	79	71	74
23	70	76	80	72	106	102	81	61	128	71	77	88
24	79	83	82	71	105	87	80	76	123	79	72	110
25	74	80	77	72	105	80	74	71	120	77	71	94
26	72	77	80	72	96	95	70	73	120	237	74	85
27	68	77	71	80	105	98	68	73	119	154	77	79
28	71	84	70	81	104	104	68	83	118	108	78	71
29	72	81	68	90	104	106	68	72	115	101	84	76
30	69	80	74	96	.....	86	72	68	112	91	88	76
31	86	.....	80	100	.....	96	.....	88	.....	120	90	.....
Mean	75	79	79	76	103	102	85	72	338	103	89	87
Max.	83	86	84	100	112	124	99	89	2040	237	195	136
Min.	68	70	68	64	95	80	68	61	78	71	71	73
A.F.	4600	4680	4850	4686	5940	6270	5080	4450	20140	6310	5490	5180

Total acre-feet 77670.

DEPARTMENT OF ROADS AND IRRIGATION

645

FRENCHMAN RIVER AT CULBERTSON—Sec. 17-3-31 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	43	80	108	168	207	171	116	42	60	42	35
2	16	44	116	94	160	249	159	104	44	69	34	37
3	18	34	120	96	165	251	161	96	42	63	34	35
4	15	34	123	100	160	249	164	95	30	60	35	39
5	15	33	115	90	170	245	156	97	26	60	32	28
6	14	36	120	94	174	226	154	93	32	56	41	42
7	14	34	123	92	173	223	161	74	882	52	41	51
8	15	35	109	90	178	207	162	66	1420	50	40	82
9	37	36	109	100	171	203	150	58	3320	46	39	71
10	23	30	109	115	178	191	162	51	1400	45	41	53
11	39	33	113	125	182	201	156	54	720	39	32	47
12	32	33	120	120	191	184	152	54	489	38	34	47
13	37	42	121	118	184	182	168	48	406	38	33	42
14	37	43	120	122	205	168	173	82	360	34	31	41
15	39	47	118	118	219	157	174	52	302	32	30	38
16	36	54	118	125	207	180	154	42	254	34	39	39
17	39	50	121	90	187	182	150	71	212	29	29	32
18	40	46	123	98	176	193	150	61	184	30	30	30
19	41	49	124	108	176	176	152	68	166	36	76	28
20	32	51	124	110	164	176	157	66	150	39	59	26
21	33	52	110	112	168	173	150	67	130	38	53	26
22	30	49	110	100	166	173	140	74	121	39	52	28
23	29	35	108	106	178	173	124	88	116	38	50	29
24	35	45	112	101	180	168	129	76	112	36	39	82
25	37	45	110	98	180	156	128	78	105	33	30	59
26	37	46	104	115	176	150	113	67	93	41	31	85
27	35	51	92	125	173	157	83	64	80	109	48	123
28	32	54	86	140	176	168	309	54	71	105	36	100
29	45	46	80	150	187	164	137	56	65	63	30	59
30	62	55	92	160	.....	174	116	50	55	42	33	62
31	41	.....	105	170	.....	162	.....	39	.....	37	39	.....
Mean	32	43	111	113	178	189	154	70	381	48	39	50
Max.	62	55	124	170	219	251	309	116	3320	109	76	123
Min.	14	30	80	90	160	150	83	39	26	29	29	26
A.F. 1930	2550	6810	6920	10260	11640	9150	4290	22670	2960	2390	2970	

Total acre-feet 84540.

GERING DRAIN NEAR GERING—Sec. 6-21-54 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	28	45	29	27	26	24	24	18	17	10	14
2	27	27	28	29	28	26	24	25	18	16	9	11
3	27	27	27	29	28	25	24	24	18	14	7	10
4	27	30	37	29	28	24	23	24	24	17	8	9
5	27	33	38	29	27	25	23	24	95	14	8	9
6	27	32	37	28	28	25	24	23	86	14	8	10
7	27	30	36	29	28	25	27	23	37	15	7	11
8	27	31	35	28	26	25	24	23	26	14	8	14
9	35	32	35	29	27	24	24	32	24	12	6	16
10	29	32	35	29	27	24	24	38	23	11	7	15
11	31	33	35	28	27	25	25	26	23	12	10	15
12	29	33	33	28	27	24	25	21	23	12	6	15
13	30	36	34	27	26	24	25	20	23	11	5	17
14	30	34	34	27	26	25	24	21	22	14	6	17
15	27	34	33	27	27	25	24	21	22	13	6	20
16	29	34	34	27	26	25	29	22	22	21	5	17
17	30	34	34	26	27	24	27	23	21	18	7	17
18	30	34	32	23	25	25	24	21	12	9	18	18
19	30	36	32	24	27	24	25	23	21	12	5	20
20	30	34	32	25	26	24	24	21	21	13	6	20
21	29	31	31	25	26	24	24	20	21	13	6	20
22	30	35	31	25	27	24	24	20	21	12	6	19
23	30	38	31	25	26	24	24	20	21	12	6	19
24	30	35	31	25	26	24	24	19	19	12	6	19
25	30	35	31	25	27	24	24	19	19	11	13	18
26	30	36	30	25	26	24	24	19	17	12	10	19
27	30	36	29	25	26	24	24	19	15	12	9	19
28	29	36	29	26	27	24	56	18	14	13	11	19
29	37	39	30	27	26	24	26	19	13	11	9	18
30	50	38	31	27	.....	24	25	20	16	10	9	18
31	38	.....	30	27	.....	24	.....	19	.....	12	11	.....
Mean	30	34	34	27	27	24	26	22	25	13	8	16
Max.	50	39	45	29	28	26	56	38	95	21	13	20
Min.	27	27	29	23	26	24	23	18	13	10	5	9
A.F. 1860	2000	2060	1650	1540	1500	1530	1380	1380	1520	817	474	958

Total acre-feet 17290.

REPORT OF THE STATE ENGINEER

HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	44	33	23	19	20	21	15	16	6.0	7.5	4.8	9.9
2	43	33	26	18	16	21	17	15	6.0	5.3	2.7	11
3	42	32	27	20	18	20	16	14	6.0	5.8	3.4	11
4	42	32	29	19	22	19	16	13	9.2	7.0	7.2	13
5	40	32	28	17	25	19	16	13	7.0	6.8	7.2	9.2
6	39	32	27	16	26	18	17	16	14	7.0	6.5	9.9
7	28	31	27	15	30	18	25	15	7.0	8.5	5.1	16
8	38	31	26	16	21	18	20	12	7.0	8.2	5.1	13
9	45	31	26	17	22	18	18	9.2	7.2	9.2	2.9	19
10	38	30	26	19	26	17	20	9.6	8.0	7.5	5.1	21
11	36	30	26	19	28	18	18	8.0	7.5	7.2	6.3	22
12	37	30	25	18	24	16	20	7.7	8.5	7.7	6.3	25
13	38	29	23	17	21	17	32	7.7	10	7.2	2.5	23
14	38	30	24	17	23	19	23	7.7	12	13	4.6	24
15	37	29	24	18	24	20	20	7.7	15	23	1.6	20
16	36	28	23	17	19	18	35	8.5	16	35	4.6	22
17	36	26	20	19	21	18	36	8.5	14	24	3.4	19
18	35	26	18	17	22	18	28	7.7	13	21	3.4	18
19	35	26	16	15	22	18	16	7.2	18	22	4.6	18
20	34	26	17	14	20	17	14	7.2	18	21	5.8	18
21	34	26	17	13	20	17	13	7.2	17	30	3.4	18
22	33	26	17	12	20	17	12	7.0	15	23	4.6	18
23	33	26	16	11	21	16	13	6.8	12	20	5.8	18
24	32	26	18	12	15	17	12	6.5	9.9	16	7.0	20
25	32	24	20	12	22	17	12	6.0	11	12	7.7	18
26	31	23	16	13	28	17	12	6.0	8.5	6.3	9.6	23
27	30	23	15	12	24	17	11	6.0	8.2	3.0	9.9	24
28	30	24	15	13	24	20	26	6.0	7.0	4.8	8.5	21
29	32	24	16	16	22	18	20	6.0	6.5	6.3	12	28
30	32	23	17	20	.....	16	17	6.8	6.3	6.5	11	28
31	33	.....	19	24	.....	16	.....	6.3	.....	6.8	11	.....
Mean	36	28	21	16	22	18	19	9	10	12	6	19
Max.	45	33	29	24	30	21	36	16	18	35	12	28
Min.	30	23	15	11	15	16	11	6.0	6.0	3.0	1.6	9.2
A.F.	2230	1670	1320	1000	1290	1100	1130	558	616	771	364	1110
Total acre-feet 13160.												

INDIAN CREEK—Sec. 19-20-50 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	8	6	6	6	6	4	4	2	3	1	1
2	9	8	6	6	6	6	4	3	3	3	2	1
3	9	8	6	6	6	5	4	3	3	3	2	1
4	9	8	6	6	6	5	4	3	4	3	2	1
5	9	8	6	6	6	5	4	3	5	3	3	2
6	9	7	6	6	6	4	4	3	5	3	1	2
7	9	7	6	6	6	4	4	3	1	3	1	2
8	9	7	6	6	6	4	4	3	1	3	1	2
9	9	7	6	6	6	4	4	3	1	3	1	2
10	10	7	6	6	6	4	4	3	1	3	1	2
11	10	7	6	6	6	4	4	3	1	3	1	1
12	10	7	6	6	6	4	4	3	1	3	1	2
13	10	7	6	6	6	4	4	3	1	3	1	2
14	10	7	6	6	6	4	4	3	1	3	1	2
15	10	7	6	6	6	4	4	3	1	3	1	2
16	10	7	6	6	6	4	4	3	1	2	1	2
17	9	7	6	6	6	4	4	3	1	2	1	1
18	9	7	6	6	6	4	4	3	2	2	2	2
19	9	7	6	6	6	4	4	3	1	2	2	1
20	9	7	6	6	6	4	4	3	2	2	1	1
21	9	7	6	6	6	4	4	4	3	2	1	1
22	8	7	6	6	6	4	4	2	2	2	1	1
23	8	7	6	6	6	4	4	2	2	3	1	1
24	8	7	7	6	6	4	4	3	3	3	1	1
25	8	7	8	6	6	4	4	5	3	3	1	1
26	8	6	8	6	6	4	4	4	2	2	1	1
27	8	6	8	6	6	4	4	2	2	2	1	1
28	8	6	7	6	6	4	4	4	2	3	1	1
29	8	6	6	6	6	4	4	3	2	3	1	1
30	8	6	6	6	6	4	4	4	2	2	1	1
31	8	.....	6	6	.....	4	.....	3	.....	1	1	.....
Mean	9	7	6	6	6	4	4	3	.....	7	3	.....
Max.	10	8	8	6	6	6	4	5	5	3	3	3
Min.	8	6	6	6	6	4	4	2	1	1	1	1
A.F.	547	555	383	369	345	260	246	192	121	161	75	101
Total acre-feet 3355.												

DEPARTMENT OF ROADS AND IRRIGATION

647

LANE DRAIN--Sec. 30-23-57 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	2	2	1	1	1	1	0	1	1	0	0
2	4	2	2	1	1	1	1	0	1	1	0	0
3	4	2	2	1	1	1	1	1	1	1	0	0
4	4	2	2	1	1	1	1	1	1	1	0	0
5	3	2	2	1	1	1	1	1	1	1	0	0
6	3	2	2	1	1	1	0	0	1	1	0	0
7	3	2	2	1	1	1	0	0	1	1	0	0
8	3	2	2	1	1	1	0	0	1	1	0	0
9	3	2	2	1	1	1	0	0	1	1	0	0
10	3	2	2	1	1	1	0	1	1	1	0	0
11	3	2	2	1	1	1	0	1	1	1	0	0
12	3	2	2	1	1	1	1	1	1	1	0	0
13	3	2	2	1	1	1	1	1	1	1	0	0
14	3	2	2	1	1	1	1	1	1	1	0	0
15	3	2	2	1	1	1	1	1	1	1	0	0
16	3	2	2	1	1	1	1	1	1	1	0	0
17	3	2	2	1	1	1	1	1	1	1	0	0
18	3	2	2	1	1	1	1	1	1	2	0	0
19	3	2	2	1	1	1	1	1	1	2	0	0
20	3	2	2	1	1	1	1	0	1	2	0	0
21	2	2	2	1	1	1	0	0	1	2	0	0
22	2	2	2	1	1	1	0	0	1	2	0	0
23	2	2	2	1	1	1	0	0	1	2	0	0
24	2	2	2	1	1	1	0	0	1	2	0	0
25	2	2	2	1	1	1	0	0	1	1	0	0
26	2	2	1	1	1	1	1	1	1	1	0	0
27	2	2	1	1	1	1	1	1	1	1	0	0
28	2	2	1	1	1	1	1	1	1	1	0	0
29	2	2	1	1	1	1	1	1	1	0	0	0
30	2	2	1	1	1	1	1	1	1	0	0	0
31	2	2	1	1	1	1	1	1	1	0	0	0
Mean	3	2	2	1	1	1	1	1	1	1	0	0
Max.	6	2	2	1	1	1	1	1	1	2	0	0
Min.	2	2	1	1	1	1	0	0	1	1	0	0
A.F.	174	119	111	61	58	62	38	38	59	69	0	0

Total acre-feet 789.

LINCOLN COUNTY DRAIN NO. 1--Sec. 30-14-30 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	79	55	45	35	35	35	35	34	39	45	32	27
2	79	50	45	35	35	35	35	34	39	47	33	28
3	79	50	45	35	35	35	35	34	40	45	34	29
4	79	50	40	35	35	35	30	34	49	47	34	29
5	78	50	40	35	35	35	30	34	52	47	37	30
6	78	50	40	35	35	35	30	34	68	47	37	33
7	78	50	40	35	35	35	30	36	100	51	37	31
8	78	50	40	35	35	35	30	36	83	48	37	33
9	75	50	40	35	35	35	31	34	74	49	33	34
10	75	50	40	35	35	35	31	31	69	39	30	36
11	75	45	40	35	35	35	31	34	66	39	32	37
12	70	45	35	35	35	35	31	34	63	39	32	33
13	70	45	35	35	40	35	31	36	61	33	32	34
14	70	45	35	35	40	35	31	39	59	34	29	34
15	65	45	35	35	40	35	31	45	51	37	30	37
16	65	45	35	35	40	35	32	39	47	47	34	44
17	65	45	35	35	40	35	32	44	50	40	34	44
18	60	45	35	35	40	35	32	47	51	34	34	51
19	60	45	35	35	40	35	32	44	47	34	33	59
20	60	45	35	35	35	35	32	44	51	33	32	56
21	60	45	35	35	35	35	32	40	52	32	32	57
22	60	45	35	35	35	35	32	36	55	31	32	48
23	60	45	35	35	35	35	32	43	47	30	32	49
24	60	45	35	35	35	35	32	49	50	30	32	46
25	60	45	35	35	35	35	32	49	43	36	28	47
26	60	45	40	35	35	35	32	49	43	30	33	38
27	60	45	40	35	35	35	32	44	39	30	32	47
28	55	45	40	35	35	35	32	49	38	33	33	46
29	55	45	40	35	35	35	32	55	37	34	33	44
30	55	45	40	35	35	35	32	55	44	32	29	44
31	55	.....	40	35	.....	35	.....	47	.....	32	29	.....
Mean	67	47	37	35	36	35	32	41	53	38	32	40
Max.	79	55	45	35	40	35	35	55	100	51	37	59
Min.	55	45	35	35	35	35	31	31	37	30	29	27
A.F.	4114	2777	2277	2152	2083	2152	1888	2505	3187	2338	2007	2390

Total acre-feet 29870.

REPORT OF THE STATE ENGINEER

LINCOLN COUNTY DRAIN NO. 2—Sec. 12-14-33 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	3	3	2	2	3	3	3	3	3	3	0
2	3	3	3	3	3	3	3	3	3	3	3	0
3	3	3	3	3	3	3	3	3	3	3	3	0
4	3	3	3	3	3	3	3	3	3	3	3	0
5	3	3	3	3	3	3	3	3	3	3	3	0
6	4	3	3	3	3	3	3	3	3	3	3	0
7	4	3	3	3	3	3	3	3	3	3	3	0
8	4	3	3	3	3	3	3	3	3	3	3	0
9	4	3	3	3	3	3	3	3	3	3	3	0
10	4	3	3	3	3	3	3	3	3	3	3	0
11	4	3	2	2	2	2	2	2	2	2	2	0
12	4	3	2	2	2	2	2	2	2	2	2	2
13	4	3	2	2	2	2	2	2	2	2	2	2
14	4	3	2	2	2	2	2	2	2	2	2	2
15	4	3	2	2	2	2	2	2	2	2	2	2
16	3	3	2	2	2	2	2	2	2	2	2	2
17	3	3	2	2	2	2	2	2	2	2	2	2
18	3	3	2	2	2	2	2	2	2	2	2	2
19	3	3	2	2	2	2	2	2	2	2	2	2
20	3	3	2	2	2	2	2	2	2	2	2	2
21	3	3	2	2	2	2	2	2	2	2	1	2
22	3	3	2	2	2	2	2	2	2	2	1	2
23	3	3	2	2	2	2	2	2	2	2	1	2
24	3	3	2	2	2	2	2	2	2	2	1	2
25	3	3	2	2	2	2	2	4	3	3	1	2
26	3	3	2	2	2	2	2	4	3	3	1	2
27	3	3	2	2	2	2	2	4	3	3	1	2
28	3	3	2	2	2	2	2	4	3	3	1	2
29	3	3	2	2	2	2	2	4	3	3	1	2
30	3	3	2	2	2	2	2	4	3	3	1	2
31	3	.....	2	2	.....	3	3	4	.....	3	1	.....
Mean	3	3	2	2	.....	3	.....	3	.....	3	2	.....
Max.	4	3	3	2	3	3	3	4	3	3	3	1
Min.	3	3	2	2	2	3	3	3	3	3	1	0
A.F.	204	178	143	123	133	184	178	200	178	184	133	75

Total acre-feet 1913.

LOGDGEPOLE CREEK AT BUSHNELL—Sec. 33-15-57 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Spt.
1	8	11	13	14	14	22	14	16	9	6	4	6
2	8	11	12	14	10	20	13	15	8	7	4	6
3	7	11	14	14	12	19	14	15	8	7	4	7
4	7	11	14	14	13	20	14	14	9	7	4	6
5	7	11	13	12	12	20	14	14	11	6	4	6
6	7	11	13	10	13	19	13	13	10	11	4	16
7	7	11	13	12	14	18	16	13	9	10	4	7
8	8	11	13	12	13	18	16	13	9	7	5	7
9	8	11	14	13	12	18	15	13	8	6	5	7
10	8	11	14	14	13	17	15	14	8	5	4	8
11	9	11	14	14	13	18	15	12	8	5	4	8
12	9	11	14	12	13	18	16	12	8	6	4	8
13	8	11	12	12	11	17	19	11	8	6	4	8
14	9	11	14	11	12	18	17	11	8	5	4	8
15	9	11	13	11	13	22	16	12	7	5	6	8
16	9	11	13	13	12	20	16	12	7	4	6	14
17	9	12	14	12	11	19	16	12	7	4	5	9
18	9	11	14	7	12	19	16	12	7	4	5	8
19	9	11	12	9	13	18	14	12	7	4	5	8
20	9	11	12	8	12	17	14	12	7	4	5	10
21	10	11	14	9	12	17	14	12	7	4	5	9
22	10	11	12	9	11	17	13	12	6	5	5	9
23	10	11	13	10	12	16	14	12	6	5	5	9
24	10	10	13	9	12	17	14	11	6	4	5	9
25	10	10	12	9	13	17	14	10	6	4	5	9
26	10	9	10	10	15	17	14	9	6	4	6	9
27	10	10	9	9	17	17	14	10	6	4	6	9
28	11	12	11	10	20	17	20	10	6	4	5	9
29	10	12	11	12	22	17	24	10	6	4	6	9
30	10	13	12	12	.....	16	20	10	6	4	6	12
31	10	.....	14	13	.....	16	.....	9	.....	4	6	.....
Mean	9	11	13	11	13	18	16	12	7	5	5	9
Max.	11	13	14	14	22	22	24	16	11	11	6	16
Min.	7	9	9	7	10	16	13	9	6	4	4	6
A.F.	546	654	786	694	757	1110	920	741	444	328	298	512

Total acre-feet 7790.

DEPARTMENT OF ROADS AND IRRIGATION

649

LOGGEPOLK CREEK BELOW OLIVER RESERVOIR—Sec. 31-15-56 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	5	2	2	2
2	*	*	*	*	*	*	*	*	*	2	2	2
3	*	*	*	*	*	*	*	*	*	2	2	2
4	0.3	*	*	*	*	*	*	*	*	2	2	2
5	*	*	*	*	*	3	*	*	*	2	2	2
6	*	*	*	*	*	*	*	*	*	2	2	2
7	*	*	*	*	*	*	*	*	*	2	2	2
8	*	*	*	*	*	*	*	*	*	2	2	2
9	*	*	*	*	*	*	*	1	2	2	2	2
10	*	*	*	*	*	*	*	5	2	2	2	2
11	*	*	*	*	*	*	*	1	2	2	2	2
12	*	*	*	*	*	*	*	1	2	2	2	3
13	*	*	*	*	*	*	*	1	2	2	2	3
14	*	*	*	*	3	*	*	1	2	2	2	3
15	*	*	*	*	*	*	*	1	2	2	2	3
16	*	*	*	*	*	*	*	1	2	2	2	3
17	*	*	*	*	*	*	*	1	2	2	2	3
18	*	*	*	*	*	*	*	1	2	2	2	3
19	*	*	*	*	*	*	*	1	2	2	2	3
20	*	*	*	*	*	*	*	1	2	2	2	3
21	*	*	*	*	*	*	*	1	3	2	2	3
22	*	*	*	*	*	*	*	1	3	2	2	3
23	*	*	*	*	*	*	*	1	3	2	2	3
24	*	*	*	*	*	*	*	3	3	2	2	3
25	*	*	*	*	*	*	*	3	3	2	2	3
26	.5	*	*	*	*	*	*	3	3	2	2	3
27	*	*	*	*	*	*	*	3	3	2	2	3
28	*	1	*	*	*	*	*	3	3	2	2	3
29	*	*	*	*	*	*	*	3	2	2	2	3
30	*	*	*	*	.....	*	*	3	2	2	2	3
31	*	.....	*	*	.....	*	.....	5	.....	.....	.....	.....
Mean	*	*	*	*	*	*	*	*	2	2	2	2
Max.	*	*	*	*	*	*	*	*	3	3	3	3
Min.	*	*	*	*	*	*	*	*	2	2	2	2
A.F.	*	*	*	*	*	*	*	*	149	120	123	155

*No Record.

LONERGAN CREEK—Sec. 19-15-39 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	1	2	3	4	6
2	*	*	*	*	*	*	*	1	3	3	3	6
3	*	*	*	*	*	*	*	1	3	3	4	5
4	*	*	*	*	*	*	*	1	3	3	4	8
5	*	*	*	*	*	*	*	1	3	3	5	6
6	*	*	*	*	*	*	*	1	3	3	4	6
7	*	*	*	*	*	*	*	2	3	3	4	6
8	*	*	*	*	*	*	*	2	3	3	4	6
9	*	*	*	*	*	*	*	7	3	2	4	5
10	*	*	*	5	*	*	*	2	3	0	4	5
11	*	*	*	*	*	*	*	2	3	0	4	5
12	4	*	4	*	*	*	*	2	3	0	5	5
13	*	*	*	*	*	*	*	2	2	0	5	5
14	*	*	*	*	*	*	*	2	2	0	5	5
15	*	*	*	*	*	*	*	2	2	0	5	5
16	*	*	*	*	*	*	*	0	0	0	5	5
17	*	*	*	*	*	*	*	2	0	0	5	5
18	*	*	*	*	*	7	*	3	0	0	5	5
19	*	*	*	*	*	*	*	0	0	3	6	5
20	*	*	*	*	*	*	*	0	3	3	5	5
21	*	*	*	*	5	*	*	0	3	3	5	5
22	*	*	*	*	*	*	*	0	3	3	5	5
23	*	*	*	*	*	*	*	0	3	4	5	5
24	*	*	*	*	*	*	*	5	0	4	5	5
25	*	*	*	*	*	*	*	0	0	4	5	6
26	*	*	*	*	*	*	*	2	0	4	5	5
27	*	*	*	*	*	*	*	2	2	4	5	5
28	*	*	*	*	*	*	*	2	3	4	5	6
29	*	*	*	*	*	*	*	2	3	4	5	6
30	*	*	*	*	.....	*	*	2	3	4	6	6
31	*	.....	*	*	.....	*	.....	2	.....	4	5	.....
Mean	*	*	*	*	*	*	*	1	2	2	5	5
Max.	*	*	*	*	*	*	*	3	3	4	6	8
Min.	*	*	*	*	*	*	*	0	0	0	3	5
A.F.	*	*	*	*	*	*	*	83	129	143	290	323

*No Record.

REPORT OF THE STATE ENGINEER

LOST CREEK—Sec. 1-16-44 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	0	0	0
6	0	0	0	0	0	0	0	0	2	0	0	0
7	0	0	0	0	0	0	0	1	2	0	0	0
8	0	0	0	0	0	0	1	0	2	0	0	0
9	1	0	0	0	0	0	1	0	1	0	0	0
10	1	0	0	0	0	0	1	0	0	0	0	0
11	1	0	0	0	0	0	1	0	0	0	0	0
12	1	0	0	0	0	0	1	0	0	0	0	0
13	1	0	0	0	0	0	1	0	0	0	0	0
14	1	0	0	0	0	0	1	0	0	0	0	0
15	1	0	0	0	0	0	1	0	0	0	0	0
16	1	0	0	0	0	0	1	0	0	0	0	0
17	1	0	0	0	0	0	1	0	0	0	0	0
18	1	0	0	0	0	0	1	0	0	0	0	0
19	1	0	0	0	0	0	1	0	0	0	0	0
20	1	0	0	0	0	0	1	0	0	0	0	0
21	1	0	0	0	0	0	1	0	0	0	0	0
22	1	0	0	0	0	0	1	0	0	0	0	0
23	1	0	0	0	0	0	1	0	0	0	0	0
24	1	0	0	0	0	0	1	0	0	0	0	0
25	0	0	0	0	0	0	1	0	0	0	0	0
26	0	0	0	0	0	0	1	0	0	0	0	0
27	0	0	0	0	0	0	1	0	0	0	0	0
28	0	0	0	0	0	0	1	0	0	0	0	0
29	0	0	0	0	0	0	1	0	0	0	0	0
30	0	0	0	0	0	0	1	0	0	0	0	0
31	0	.....	0	0	0	0	.....	0	.....	0	0	.....
Mean	1	0	0	0	0	0	1	0	0	0	0	0
Max.	1	0	0	0	0	0	1	1	2	0	0	0
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	32	0	0	0	0	0	46	4	16	0	0	0

Total acre-feet 98.

LOUP RIVER NEAR COLUMBUS
Highway Bridge on West Line of Sec. 30-17-1 E.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	200	300	882	140	692	1420	2510	1020	112	159	100	68
2	237	300	882	136	732	1730	1750	378	124	140	88	63
3	220	306	1260	236	684	2100	1010	288	85	123	88	63
4	165	440	950	255	718	2530	1010	242	112	123	91	76
5	134	686	866	98	796	2920	1120	294	1160	91	91	76
6	118	756	818	192	904	3210	1320	170	1770	73	91	76
7	129	522	686	250	890	3340	1510	1930	12800	82	113	88
8	129	490	987	420	834	3430	1930	2700	8120	85	85	71
9	254	510	742	698	764	3410	1240	882	10500	88	76	55
10	346	522	714	774	896	3230	594	294	10500	88	71	73
11	510	786	770	716	1310	3560	420	237	4290	88	82	73
12	1200	850	802	566	1360	4220	882	226	2510	82	91	82
13	1800	700	786	582	1310	3730	914	220	832	91	148	94
14	1020	606	1660	480	1340	2120	786	306	152	76	188	91
15	756	546	1570	539	1520	1800	714	259	313	68	151	85
16	618	558	1120	564	1650	2850	460	226	226	71	140	73
17	914	470	658	358	1570	8620	294	220	159	73	126	73
18	402	140	714	308	1560	4100	156	237	167	76	103	79
19	346	324	1200	268	1580	2620	490	200	148	71	97	79
20	312	338	898	180	1740	1660	914	134	1070	71	85	73
21	288	330	1120	152	1560	2000	700	142	898	103	85	76
22	270	450	1980	174	1430	1890	480	165	778	68	94	73
23	219	306	1750	188	1250	1750	386	160	628	60	94	65
24	170	558	1340	206	1070	1810	914	180	231	66	290	91
25	152	346	802	188	856	2320	1280	160	226	66	151	100
26	147	630	920	202	1070	1280	728	165	178	55	82	100
27	160	558	386	294	1220	968	394	108	151	63	88	103
28	160	850	254	492	1300	1750	394	102	137	55	100	94
29	170	834	112	534	1440	2940	254	134	144	103	100	103
30	402	570	146	658	.....	3220	630	142	170	76	97	79
31	300	.....	148	653	.....	2650	.....	129	.....	97	97	.....
Mean	395	529	900	363	1173	2749	873	389	1976	85	109	80
Max.	1800	850	1980	774	1740	8620	2510	2700	12800	159	290	103
Min.	129	300	112	98	684	968	156	102	85	55	71	55
A.F.	24276	31502	55365	22312	67490	169010	51936	23901	117604	5218	6716	4758

Total acre-feet 580088.

DEPARTMENT OF ROADS AND IRRIGATION

651

LOUP RIVER, MIDDLE, AT ARCADIA—Sec. 26-17-16 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	614	970	866	540	800	1180	944	716	514	440	446	468
2	622	866	817	540	800	1200	1020	716	554	495	390	456
3	706	817	782	540	810	1230	931	716	540	560	425	462
4	696	806	736	530	830	1280	905	725	988	502	410	495
5	748	817	794	520	870	1400	817	706	882	468	420	547
6	706	905	794	530	897	1600	782	614	1460	456	495	528
7	630	931	794	540	940	1040	866	566	1100	430	468	534
8	736	853	853	540	970	1240	879	605	869	390	451	502
9	782	794	918	550	960	1210	828	598	1630	473	462	508
10	725	806	957	557	960	1250	817	635	1310	540	495	554
11	736	817	853	560	960	996	970	644	628	451	502	575
12	696	905	817	580	970	980	892	635	698	410	478	514
13	706	944	610	580	990	960	782	628	680	395	521	490
14	736	794	606	570	1000	960	696	725	788	415	534	495
15	725	892	771	550	990	1200	678	620	716	440	462	514
16	696	866	892	530	980	1550	725	620	620	468	440	521
17	716	794	957	530	980	970	879	689	628	435	451	547
18	706	866	931	540	971	931	817	716	517	400	534	534
19	794	771	806	540	960	828	760	671	547	363	778	547
20	794	806	736	550	940	866	760	551	508	329	484	547
21	853	879	828	560	930	944	771	554	502	337	425	575
22	794	892	892	550	920	794	840	598	534	337	395	534
23	957	817	820	540	900	687	668	554	620	321	415	620
24	983	828	770	530	890	716	678	547	653	313	405	554
25	879	820	710	550	870	782	782	375	554	299	410	590
26	866	790	640	530	900	771	696	590	534	325	430	598
27	782	770	550	610	980	782	649	508	540	368	521	582
28	716	760	550	660	1100	879	853	540	508	381	528	540
29	782	780	510	700	1140	996	892	554	521	410	547	554
30	782	806	510	740	.....	905	760	534	490	386	495	568
31	840	.....	520	786	.....	918	.....	534	.....	689	495	.....
Mean	758	839	763	572	938	1034	811	619	722	420	475	535
Max.	983	970	957	780	1140	1600	1920	725	1630	689	778	620
Min.	614	760	510	520	800	687	649	508	490	299	390	456
A.F.	46620	49910	46930	35140	53970	63560	48270	38060	42970	25840	29180	31840

Total acre-feet 512300.

LOUP RIVER, MIDDLE, AT ST. PAUL—Sec. 10-14-10 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	790	802	826	490	920	1540	1070	1070	653	482	620	393
2	697	814	1240	480	910	1680	934	906	540	385	778	501
3	580	990	962	490	870	1820	948	920	948	409	434	434
4	610	1100	1240	480	890	1940	948	790	990	463	463	510
5	664	1170	1120	470	899	2010	948	864	1010	463	631	550
6	754	1150	1130	480	950	2100	878	1010	2250	377	393	620
7	878	1050	1040	500	970	2130	802	1070	5010	306	401	642
8	838	920	1200	500	1010	2070	790	1010	5750	385	463	550
9	802	906	1040	496	1010	1980	600	892	6270	345	409	620
10	1040	1130	1040	530	990	1930	520	878	6510	326	353	570
11	1170	965	1240	700	1080	1660	850	864	3280	434	332	600
12	1010	920	1190	680	1110	1490	962	754	1190	492	570	686
13	918	920	1430	660	1110	1300	1130	864	1260	332	540	708
14	814	814	1490	620	1120	1210	1050	790	1330	238	520	653
15	742	1100	1470	600	1200	1420	948	990	1260	369	540	530
16	878	1260	1370	570	1340	3200	976	850	1050	620	434	642
17	802	1050	1140	520	1300	3040	1130	730	990	425	385	642
18	802	1120	1100	490	1290	1600	1120	766	838	409	385	631
19	730	1240	1210	470	1350	1200	1070	826	802	409	409	580
20	686	1120	1190	500	1360	1020	1040	892	686	353	719	600
21	708	1170	1100	520	1300	1010	948	790	642	312	520	631
22	730	1170	1130	530	1230	1130	892	708	600	332	417	596
23	790	1100	1040	510	1180	1190	990	754	520	280	345	742
24	859	1280	940	540	1140	1070	826	754	642	262	268	742
25	906	1210	810	561	1130	962	708	653	664	226	286	934
26	934	1220	660	610	1200	962	778	600	631	215	332	838
27	934	976	540	650	1270	1010	719	766	550	250	385	838
28	864	962	450	710	1390	1090	502	697	510	326	501	906
29	838	962	430	770	1460	1240	948	642	501	510	631	878
30	826	1070	440	840	.....	1170	1200	653	393	494	580	906
31	802	.....	460	920	.....	1130	.....	686	.....	631	550	.....
Mean	820	1057	1022	578	1137	1558	918	821	1609	381	471	656
Max.	1170	1280	1490	920	1460	3200	1200	1070	6510	631	778	934
Min.	580	802	430	470	870	962	520	600	393	215	268	393
A.F.	50410	62880	62810	35510	65410	95810	54600	50460	95740	23400	28950	39010

Total acre-feet 665000

REPORT OF THE STATE ENGINEER

LOUP RIVER, NORTH, NEAR TAYLOR—Sec. 22-21-18 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	295	455	455	350	540	780	490	385	215	170	205	152
2	305	425	435	350	520	900	505	345	225	220	185	165
3	305	415	420	360	530	970	480	330	230	220	156	165
4	310	430	440	340	540	938	430	310	405	210	124	175
5	305	430	470	340	560	872	385	300	330	200	175	210
6	330	470	475	350	570	790	380	315	460	142	190	195
7	330	455	460	360	580	680	380	315	485	124	165	185
8	360	470	475	370	580	548	360	310	430	147	142	161
9	435	470	455	390	550	520	350	310	505	240	138	170
10	500	450	435	410	570	505	380	310	400	195	205	220
11	445	435	465	422	590	460	375	305	380	152	200	220
12	360	440	445	410	610	405	380	295	380	138	180	215
13	320	415	375	400	580	425	330	295	350	106	195	210
14	325	440	425	410	570	460	325	285	270	89	240	205
15	325	445	445	410	590	510	315	290	215	190	210	215
16	330	455	425	390	610	663	340	305	230	165	112	195
17	340	460	475	370	590	553	475	315	230	142	124	210
18	335	450	465	360	567	520	480	345	195	111	152	210
19	330	455	400	370	580	500	440	355	200	93	325	185
20	340	460	410	390	580	500	410	310	245	93	147	220
21	320	435	420	410	580	490	395	295	260	120	93	235
22	320	420	395	400	560	475	425	290	225	124	89	205
23	320	430	385	390	530	430	440	290	270	210	120	205
24	330	400	350	410	510	445	420	270	235	102	115	230
25	355	395	330	420	540	455	380	240	240	84	115	225
26	380	435	320	440	570	460	385	265	215	98	175	205
27	370	435	315	460	610	480	400	265	200	124	215	200
28	370	425	310	486	640	526	480	275	152	115	225	205
29	340	450	315	490	680	548	395	285	142	129	250	190
30	345	455	325	510	.....	570	405	240	156	138	215	210
31	405	.....	340	520	.....	510	.....	240	.....	170	205	.....
Mean	348	441	408	403	573	577	404	300	284	147	175	200
Max.	500	470	475	520	680	970	505	385	505	240	325	235
Min.	295	395	310	340	510	405	315	240	142	84	89	152
A.F.	21380	26250	25100	24760	32980	35480	24070	18420	16930	9050	10740	11890
Total acre-feet 257000.												

LOUP RIVER, NORTH, AT SCOTIA—Sec. 8-17-12 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	652	685	869	480	700	1100	820	750	502	389	593	281
2	620	767	956	500	670	1220	820	724	784	408	353	293
3	652	818	920	520	690	1400	860	698	530	421	275	299
4	652	835	852	500	700	1550	830	633	2030	395	293	281
5	610	869	818	510	730	1750	800	584	852	371	329	311
6	580	869	818	520	750	1650	767	584	2500	347	317	329
7	550	886	818	520	770	1600	784	672	1350	317	317	341
8	580	886	818	530	770	1250	700	633	1120	311	311	317
9	760	1010	818	550	750	1020	660	633	2870	353	299	281
10	736	903	818	580	730	900	660	620	1140	341	293	293
11	786	886	835	608	820	840	680	593	633	353	299	287
12	748	903	835	570	870	720	698	575	633	311	359	329
13	590	920	825	560	840	650	680	539	698	275	377	317
14	513	938	818	590	820	680	720	869	620	275	711	317
15	495	920	784	580	860	900	650	566	557	293	305	323
16	495	903	801	570	900	1400	670	566	447	270	287	335
17	560	903	818	550	870	950	700	633	467	275	305	347
18	590	903	869	520	840	1000	740	685	460	242	270	347
19	610	938	852	530	863	920	750	659	428	210	236	359
20	600	903	767	560	860	920	818	646	408	170	347	359
21	620	886	740	580	850	886	724	698	428	195	377	365
22	630	920	710	570	830	903	711	611	434	200	305	434
23	620	852	700	550	800	920	920	593	488	195	264	408
24	590	818	660	570	780	920	750	593	502	185	253	371
25	580	835	610	590	820	886	724	566	523	226	275	383
26	620	852	600	600	860	920	737	557	495	215	299	408
27	620	835	540	620	920	980	750	518	488	311	395	408
28	610	886	500	630	960	1080	869	539	440	293	371	408
29	652	869	460	650	1020	1000	1140	530	408	317	347	395
30	652	818	470	640	.....	880	903	523	395	454	329	383
31	652	.....	450	690	.....	830	.....	502	.....	395	311	.....
Mean	621	874	748	566	815	1052	768	617	788	300	333	344
Max.	786	1010	956	690	1020	1750	1140	869	2870	454	711	434
Min.	495	685	460	480	670	650	650	502	395	170	236	281
A.F.	38190	52000	45990	34830	46900	64710	45690	37930	46870	18470	20450	20450
Total acre-feet 472500.												

DEPARTMENT OF ROADS AND IRRIGATION

653

LOUP RIVER, NORTH, NEAR ST. PAUL—Sec. 22-15-10 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	510	757	850	460	860	1300	850	757	542	348	362	300
2	462	880	860	430	830	1390	840	730	992	327	327	268
3	470	870	860	455	840	1550	870	703	830	355	202	274
4	478	850	870	440	860	1670	840	694	2400	348	242	274
5	470	840	890	455	895	1720	802	658	1720	334	250	262
6	478	820	890	455	920	1780	757	622	3040	334	268	274
7	502	820	890	455	960	1720	793	802	2960	314	268	294
8	494	820	880	460	960	1280	748	667	1660	294	288	320
9	550	900	890	464	910	1100	667	622	3260	341	281	294
10	649	793	870	520	890	932	676	631	1740	300	274	288
11	676	802	830	520	1060	890	703	595	840	268	274	268
12	730	784	850	510	1070	784	712	595	640	274	288	288
13	658	793	793	520	1060	550	703	604	694	237	422	334
14	595	775	739	530	1050	486	748	775	658	224	494	327
15	568	766	784	520	1100	944	694	595	622	274	454	314
16	559	784	802	510	1130	1820	667	586	526	237	288	327
17	542	775	850	470	1100	944	739	622	478	224	281	327
18	512	811	880	420	1070	1090	793	658	470	219	262	327
19	550	820	900	455	1080	968	900	649	430	202	232	314
20	534	820	870	460	1100	1030	850	631	406	190	219	341
21	526	820	860	480	1100	1020	793	658	398	174	341	320
22	526	802	850	480	1090	944	793	658	398	178	294	334
23	550	793	820	460	1010	910	811	613	430	174	262	390
24	559	802	680	480	990	860	811	622	438	164	228	362
25	559	802	660	520	940	830	811	622	446	149	228	362
26	586	811	540	560	970	860	840	649	446	164	237	369
27	622	840	440	620	1060	920	775	631	450	198	250	422
28	640	870	400	660	1150	1070	793	622	398	186	246	398
29	667	840	395	710	1200	1090	1000	613	362	206	307	406
30	685	811	400	770	.....	920	840	604	334	206	288	414
31	685	.....	420	830	.....	860	.....	577	.....	250	307	.....
Mean	568	816	758	517	1009	1104	787	647	966	252	289	326
Max.	730	900	900	830	1200	1820	1000	802	3040	355	494	422
Min.	462	757	395	420	830	486	667	577	334	149	202	262
A.F.	34950	48540	46640	31810	58030	67900	46850	39800	57500	15490	17780	19420
Total acre-feet	484700.											

LOUP RIVER, SOUTH, AT CALLAWAY—Sec. 2-15-23 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	57	50	64	50	53	61	93	57	48	25	41
2	24	24	54	67	50	54	63	89	57	22	25	41
3	49	59	57	56	50	57	61	93	63	45	25	41
4	24	49	51	55	50	57	59	87	59	44	49	25
5	23	54	49	53	50	63	57	83	73	42	45	38
6	49	49	47	57	50	62	61	85	120	42	40	41
7	47	57	49	61	50	63	54	89	115	40	46	41
8	24	59	53	44	60	61	61	55	165	45	43	25
9	55	59	53	47	60	61	62	71	110	53	45	25
10	50	52	59	65	70	59	59	73	77	53	65	0
11	47	49	54	67	70	57	56	77	61	54	59	41
12	54	57	51	69	70	57	55	62	65	54	31	41
13	53	49	64	69	70	27	62	63	56	53	53	41
14	53	65	54	49	52	26	56	62	56	47	54	29
15	24	51	62	79	61	59	59	55	55	50	49	0
16	51	59	55	65	63	61	65	55	50	51	46	39
17	24	49	61	48	61	61	62	57	43	48	40	0
18	55	48	57	43	48	61	61	71	52	54	40	24
19	56	49	51	71	54	63	59	64	51	24	37	29
20	24	48	55	63	53	62	62	77	62	26	40	43
21	51	45	54	55	53	59	40	73	52	24	38	26
22	47	43	39	47	51	63	27	77	24	24	41	27
23	53	45	51	54	55	62	64	71	49	0	37	43
24	57	45	75	46	27	59	27	71	22	23	38	53
25	57	24	48	49	83	61	56	56	41	23	37	24
26	61	56	53	45	56	61	55	55	51	24	39	24
27	56	43	51	40	57	61	55	54	48	24	40	28
28	24	45	27	40	57	56	125	55	43	24	39	48
29	59	55	53	40	53	61	140	62	46	24	40	26
30	52	56	55	45	.....	63	32	59	44	25	37	45
31	54	.....	53	45	.....	62	.....	62	.....	24	37	.....
Mean	44	50	53	55	56	58	60	70	63	36	41	22
Max.	61	65	75	79	83	63	140	93	165	54	65	53
Min.	24	24	27	40	27	26	32	54	22	0	25	0
A.F.	2740	2980	3260	3370	3240	3550	3600	4280	3720	2250	2540	1880
Total acre-feet	37410.											

Record Computed from 1938 Curve. Fair Estimate of Discharge.

REPORT OF THE STATE ENGINEER

MEDICINE CREEK AT CAMBRIDGE—Sec. 18-4-25 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	35	43	42	72	72	59	97	166	12	62	31
2	27	34	41	42	62	68	65	85	790	116	45	34
3	26	34	46	38	68	66	70	76	90	44	46	28
4	28	44	69	40	61	68	64	66	45	41	61	29
5	26	42	51	38	66	72	61	58	39	40	50	30
6	26	38	46	40	68	78	61	65	38	34	45	35
7	28	36	49	38	68	66	65	57	5020	33	28	10
8	28	42	55	38	62	65	64	60	970	31	24	34
9	34	42	59	36	54	71	63	59	1480	28	23	33
10	30	42	51	49	60	68	63	56	271	31	1470	52
11	33	42	54	48	70	69	62	51	196	70	108	29
12	32	42	48	46	66	66	64	51	136	59	68	32
13	47	42	43	46	66	60	64	48	105	60	51	27
14	34	40	42	48	70	58	57	48	85	56	41	29
15	28	41	43	46	68	60	54	43	74	3370	38	31
16	29	42	42	50	66	63	61	43	66	264	36	27
17	28	42	42	42	64	58	63	51	63	85	32	28
18	26	37	41	47	64	62	62	54	57	62	31	29
19	27	42	39	48	64	65	61	42	51	61	34	23
20	30	41	36	48	62	64	57	53	45	45	31	28
21	28	42	34	48	66	64	57	55	40	35	32	28
22	28	41	36	46	62	61	62	52	31	33	27	28
23	27	42	36	46	64	59	57	52	27	27	32	31
24	31	44	38	48	58	57	57	39	23	18	24	1960
25	28	44	38	48	64	58	58	42	24	20	28	190
26	37	45	36	46	64	59	58	43	17	103	28	86
27	34	43	34	56	68	57	60	37	14	62	26	62
28	36	42	32	60	70	65	318	34	12	28	134	45
29	34	44	32	68	72	67	157	30	12	29	88	37
30	34	42	36	68	.....	64	140	33	10	44	52	38
31	38	.....	38	70	.....	62	.....	35	.....	42	42	.....
Mean	30	41	43	47	65	64	75	52	333	161	92	103
Max.	47	45	69	70	72	78	318	97	5020	3370	1470	1960
Min.	24	34	32	36	54	57	54	30	10	12	23	23
A.F.	1880	2440	2640	2910	3750	3950	4490	3200	19830	9880	5630	6160

Total acre-feet 66760.

MELBETA DRAIN—Sec. 13-21-54 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	3	0	0	0	0
2	*	*	*	*	*	*	3	3	0	0	0	0
3	*	*	*	4	3	*	*	3	0	0	0	0
4	*	4	*	*	*	2	*	3	7	0	0	0
5	*	*	*	*	*	*	*	3	15	0	0	0
6	9	*	*	*	*	*	*	3	32	0	0	0
7	*	*	*	*	*	*	*	5	4	0	0	0
8	*	*	*	*	*	*	*	5	9	0	0	0
9	*	*	4	*	*	*	*	4	11	0	0	0
10	*	*	*	*	*	*	*	12	12	0	0	0
11	*	*	*	*	*	*	*	9	11	0	0	0
12	*	*	*	*	*	*	*	0	4	12	0	0
13	*	*	*	*	*	*	*	0	2	0	0	0
14	*	*	*	*	*	*	*	0	4	0	0	0
15	*	*	*	*	*	*	2	0	5	0	0	0
16	*	*	*	*	*	*	*	0	4	0	0	0
17	*	*	*	*	*	*	*	4	0	10	0	0
18	*	*	*	*	*	*	*	0	4	0	0	0
19	*	*	*	*	*	*	*	0	2	0	0	0
20	*	*	*	*	*	*	*	0	3	0	0	0
21	*	*	*	*	*	*	*	0	2	0	0	0
22	*	*	*	*	*	*	*	0	2	0	0	0
23	*	*	*	*	*	*	*	0	2	0	0	0
24	*	*	*	*	*	*	*	0	2	0	0	0
25	*	6	*	*	*	*	*	0	3	0	9	0
26	*	*	*	*	*	*	*	0	2	0	0	0
27	*	*	*	*	*	*	*	0	1	0	0	0
28	*	*	*	*	*	*	*	0	0	0	0	0
29	*	*	*	*	*	*	*	0	0	0	0	0
30	2	*	*	*	.....	*	*	0	0	0	0	0
31	*	.....	*	*	.....	*	.....	0	.....	0	0	.....
Mean	*	*	*	*	*	*	*	2	5	0	0	0
Max.	*	*	*	*	*	*	*	12	32	0	0	0
Min.	*	*	*	*	*	*	*	0	0	0	0	0
A.F.	*	*	*	*	*	*	*	105	303	24	0	0

*No Record.

DEPARTMENT OF ROADS AND IRRIGATION

655

NINE MILE DRAIN NEAR MINATARE—Sec. 25-21-53 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	156	116	107	96	93	88	79	79	87	97	86	91
2	155	120	108	96	92	87	81	77	84	99	82	90
3	155	121	107	97	92	87	80	73	85	100	81	90
4	151	119	107	97	93	86	79	72	110	98	85	91
5	148	116	106	97	92	86	79	69	151	97	81	91
6	149	116	106	96	92	85	78	67	155	98	81	93
7	149	116	105	98	93	85	81	66	120	98	85	91
8	155	116	105	98	91	87	78	65	121	99	83	93
9	173	115	104	99	89	85	78	64	114	99	85	100
10	146	113	104	99	90	85	78	65	111	100	82	99
11	137	112	103	97	89	85	79	66	114	97	84	96
12	136	113	101	98	88	85	79	64	115	96	83	96
13	133	113	101	96	89	86	78	65	113	93	80	99
14	132	111	101	95	90	86	78	67	108	94	78	98
15	131	111	101	95	90	85	78	78	103	91	79	99
16	127	110	101	95	88	83	81	93	102	97	80	99
17	127	109	99	93	88	82	81	86	99	100	81	96
18	127	109	98	94	88	82	78	78	93	100	79	96
19	126	109	98	90	86	82	76	79	94	101	79	97
20	125	108	98	93	84	82	77	81	94	101	79	103
21	125	108	98	92	84	81	76	83	94	100	82	103
22	124	108	97	91	85	81	78	81	97	97	87	100
23	124	108	97	91	85	81	78	80	96	96	87	103
24	122	108	96	90	84	81	77	81	96	95	89	107
25	122	108	97	90	85	80	75	72	94	93	93	104
26	122	107	97	89	86	79	75	59	94	95	94	105
27	124	107	94	89	86	78	75	65	92	94	93	101
28	118	108	94	89	86	79	128	77	90	93	90	102
29	116	107	96	91	87	81	85	83	91	88	85	106
30	116	107	97	93	....	80	84	87	93	85	82	110
31	116	.....	98	93	....	80	....	85	....	87	88	....
Mean	134	112	101	94	88	83	80	74	104	96	84	98
Max.	173	121	108	99	93	88	128	93	155	101	94	110
Min.	116	107	94	89	84	78	75	59	84	85	78	90
A.F.	8270	6640	6190	5790	5090	5120	4770	4580	6170	5910	5160	5850

Total acre-feet 69540.

NIOBRARA RIVER AT DUNLAP—Sec. 27-29-48 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.1	7.3	27	32	41	50	62	43	3	2.5	7.6	9.6
2	3.8	6.4	28	30	40	85	58	32	4	2.6	6.2	8.7
3	3.5	4.4	31	30	36	76	54	25	6	2.6	7.6	8.7
4	4.1	5.7	32	29	41	75	49	24	6	2.6	6.8	8.5
5	3.8	5.1	30	29	49	79	44	22	5	2.6	9.8	8.2
6	3.8	6.0	30	28	46	76	42	19	4.5	2.8	2.8	8.5
7	3.8	6.4	30	27	48	77	41	16	4.5	2.8	2.4	8.2
8	4.1	7.7	28	28	45	71	42	16	5.5	2.8	20	7.9
9	6.0	8.4	28	35	45	68	42	15	6	2.8	17	8.5
10	4.8	8.7	30	52	50	68	49	14	5.5	2.8	13	8.5
11	4.4	10	30	50	52	66	48	11	5	2.8	12	8.2
12	4.4	15	29	43	46	64	45	5.8	4.5	2.8	11	8.2
13	4.4	17	30	46	47	59	46	7.6	4	4.2	12	8.2
14	3.8	17	30	39	48	56	44	9.6	3.5	14	12	8.2
15	4.1	18	30	42	49	57	42	9.6	3.2	7.1	11	8.2
16	3.8	18	29	46	51	69	48	9.3	3	7.3	11	8.2
17	4.4	18	28	41	48	72	46	11	3	5.2	11	7.9
18	5.1	18	28	35	40	72	52	12	2.5	4.8	12	8.2
19	6.4	19	26	27	44	70	53	12	2.5	4.5	12	8.2
20	6.0	19	26	26	45	69	52	11	2.8	4.5	12	8.5
21	6.0	19	25	27	46	100	48	9	3.0	4.5	12	8.5
22	5.7	19	23	30	40	70	46	8	2.8	4.8	12	8.2
23	5.1	19	22	31	46	65	44	6	2.6	4.5	12	8.2
24	4.4	20	20	27	51	61	45	4	2.6	4.2	12	9.0
25	4.4	20	19	25	54	62	45	3	2.5	4.2	12	9.6
26	4.4	20	19	26	56	61	45	3	2.5	4.2	12	9.6
27	5.1	22	22	28	58	62	42	3.5	2.5	4.2	12	11
28	4.8	23	25	32	60	65	43	3.5	2.5	4.5	12	11
29	5.4	24	30	39	54	66	42	3.5	2.5	4.2	11	11
30	5.7	25	34	36	....	67	43	3	2.5	4.2	11	10
31	6.4	....	36	49	....	66	....	2.5	....	4.8	9.9	....
Mean	4.7	14.9	27.6	34	47	68	47	12.1	3.7	4.3	17.2	8.9
Max.	6.4	25	36	52	60	100	62	43	6	14	98	11
Min.	3.5	4.4	19	25	36	50	41	2.5	2.5	2.5	8.2	7.9
A.F.	290	885	1700	2100	2730	4210	2780	742	218	263	1060	522

Total acre-feet 17500.

REPORT OF THE STATE ENGINEER

NIOBRARA RIVER NEAR SPENCER—Sec. 30-33-11 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	600	902	492
2	*	*	*	*	*	*	*	*	*	575	834	524
3	*	*	*	*	*	*	*	*	*	835	716	560
4	*	*	*	*	*	*	*	*	*	559	486	584
5	*	*	*	*	*	*	*	*	*	724	642	658
6	*	*	*	*	*	*	*	*	*	442	763	732
7	*	*	*	*	*	*	*	*	*	583	1010	732
8	*	*	*	*	*	*	*	*	*	631	752	593
9	*	*	*	*	*	*	*	*	*	603	620	1089
10	*	*	*	*	*	*	*	*	*	585	641	873
11	*	*	*	*	*	*	*	*	*	614	630	1030
12	*	*	*	*	*	*	*	*	*	636	688	916
13	*	*	*	*	*	*	*	*	*	526	691	559
14	*	*	*	*	*	*	*	*	*	719	557	678
15	*	*	*	*	*	*	*	*	*	725	580	701
16	*	*	*	*	*	*	*	*	*	691	721	629
17	*	*	*	*	*	*	*	*	*	694	705	739
18	*	*	*	*	*	*	*	*	*	630	508	725
19	*	*	*	*	*	*	*	*	*	603	489	892
20	*	*	*	*	*	*	*	*	*	1270	516	561
21	*	*	*	*	*	*	*	*	*	1050	551	752
22	*	*	*	*	*	*	*	*	*	788	477	631
23	*	*	*	*	*	*	*	*	*	853	686	554
24	*	*	*	*	*	*	*	*	*	1090	520	891
25	*	*	*	*	*	*	*	*	*	743	537	666
26	*	*	*	*	*	*	*	*	*	687	461	749
27	*	*	*	*	*	*	*	*	*	682	470	899
28	*	*	*	*	*	*	*	*	*	689	514	774
29	*	*	*	*	*	*	*	*	*	764	500	780
30	*	*	*	*	*	*	*	*	*	463	748	1050
31	*	*	*	*	*	*	*	*	*	463	911
Mean	*	*	*	*	*	*	*	*	*	773	578	741
Max.	*	*	*	*	*	*	*	*	*	1270	835	1050
Min.	*	*	*	*	*	*	*	*	*	463	442	486
A.F.	*	*	*	*	*	*	*	*	*	26060	35540	45530

Total acre-feet 153000.

*No Record.

NIOBRARA RIVER AT VERDEL—Sec. 23-32-8 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	923	960	1060	720	1150	3000	2560	1260	960	*	*	*
2	787	1060	960	660	1130	3400	2340	1940	770	*	*	*
3	889	1230	1140	680	1100	3400	1940	1700	1320	*	*	*
4	804	1160	1120	650	1100	3300	1790	1060	2780	*	*	*
5	906	1320	1120	670	1150	3200	1590	1610	2170	*	*	*
6	1280	1320	1100	640	1230	3600	1760	1820	2490	*	*	*
7	1230	1060	1120	580	1230	3900	1730	1480	1320	*	*	*
8	1100	1100	1080	560	1210	4000	1910	980	2200	*	*	*
9	1820	1140	1210	618	1260	4050	1880	1370	2100	*	*	*
10	1420	1080	1120	720	1300	4100	2010	1080	2340	*	*	*
11	1230	906	1260	800	1340	4050	2040	1100	2000	*	*	*
12	1190	923	1140	760	1340	4000	1760	1280	1600	*	*	*
13	940	838	1260	720	1400	4300	1940	1420	1500	*	*	*
14	855	1140	1230	780	1500	4470	2070	1020	*	*	*	*
15	1210	1020	1350	820	1660	4200	1940	1040	*	*	*	*
16	960	1120	1306	880	1700	4520	2010	1300	*	*	*	*
17	1020	1080	1320	900	1590	5060	2490	1590	*	*	*	*
18	980	1060	1260	620	1500	7500	1940	1350	*	*	*	*
19	940	1120	1200	640	1600	5670	1940	1320	*	*	*	*
20	940	1080	1120	660	1620	3980	1820	1100	*	*	*	*
21	980	1040	1050	680	1550	2010	1910	940	*	*	*	*
22	1370	1000	1100	680	1400	940	2200	980	*	*	*	*
23	1210	1100	1000	640	1500	1190	1760	1060	*	*	*	*
24	1100	980	880	600	1400	1280	1560	1140	*	*	*	*
25	1190	1210	800	580	1300	1280	1820	1060	*	*	*	*
26	1350	1190	800	515	1400	2010	2140	855	*	*	*	*
27	1080	1350	700	580	1700	2450	2630	1060	*	*	*	*
28	1140	1080	590	680	2100	2340	2410	1320	*	*	*	*
29	1140	1160	610	780	2600	2490	2100	1230	*	*	*	*
30	1140	1300	620	1000	.....	3510	1400	1190	*	*	*	*
31	1100	.....	700	1140	.....	2560	.....	1260	*	*	*	*
Mean	1064	1104	1043	706	1448	3412	1980	1255	1812	*	*	*
Max.	1820	1350	1350	1140	2600	7500	2630	1940	2780	*	*	*
Min.	787	838	590	515	1100	940	1400	855	770	*	*	*
A.F.	67880	65710	64110	43400	83310	209800	117800	77190	46710	*	*	*

Total acre-feet 775900.

*Station discontinued June 13, 1940.

DEPARTMENT OF ROADS AND IRRIGATION

657

OTTER CREEK NEAR LEMOYNE—Sec. 5-15-40 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	20	20	20	20	22	22	26	23	19	20	21
2	17	20	20	20	20	22	22	24	23	19	20	21
3	17	20	20	20	20	22	22	24	24	19	20	21
4	17	20	20	20	20	22	22	22	24	19	20	21
5	17	20	20	20	20	22	22	20	24	19	20	21
6	18	20	20	20	20	22	20	20	24	19	20	20
7	18	20	20	20	20	22	20	20	26	19	20	20
8	18	20	20	20	20	22	20	20	26	19	20	20
9	18	20	20	22	20	22	20	20	26	19	20	20
10	18	20	20	24	20	22	20	20	26	19	20	19
11	20	20	23	24	22	22	20	20	26	19	20	19
12	20	20	23	21	22	22	20	20	26	19	20	19
13	20	20	23	24	22	22	20	20	26	19	20	19
14	20	20	23	24	22	22	20	20	26	20	20	19
15	20	20	23	24	22	22	20	20	26	20	21	19
16	20	20	23	24	22	22	20	20	26	20	21	19
17	20	20	23	24	22	22	20	20	20	20	21	19
18	20	20	23	24	22	22	20	20	20	20	21	19
19	20	20	23	24	22	22	20	20	19	20	21	19
20	20	20	23	24	22	22	20	20	19	20	19	19
21	20	20	23	22	22	22	20	20	19	20	19	19
22	20	20	23	22	22	22	22	23	19	20	19	19
23	20	20	23	22	22	22	24	23	19	20	19	19
24	20	20	23	22	22	22	26	23	19	20	19	20
25	20	20	23	22	22	22	26	23	19	20	19	20
26	20	20	22	20	22	22	26	23	19	20	20	20
27	20	20	22	20	22	22	28	23	19	20	20	20
28	20	20	22	20	22	25	28	23	19	26	21	20
29	20	20	20	20	22	25	26	23	19	24	21	20
30	20	20	20	20	....	24	26	23	19	20	21	20
31	20	....	20	20	....	24	....	23	....	20	21	....
Mean	19	20	22	22	21	22	22	22	22	20	20	20
Max.	20	20	23	24	22	25	28	26	26	26	21	21
Min.	17	20	20	20	20	22	20	20	19	19	19	19
A.F.	1180	1190	1331	1341	1226	1372	1313	1321	1329	1224	1236	1172
Total acre-feet	15235.											

PAWNEE CREEK—Sec. 4-12-27 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	3	1	4	2
2	*	*	*	*	*	*	*	*	3	1	4	2
3	7	*	*	*	*	*	*	*	3	1	4	5
4	*	*	*	*	*	*	6	*	3	1	4	5
5	*	*	*	*	*	*	*	*	3	1	4	5
6	*	*	*	*	*	*	*	5	3	1	4	5
7	*	*	*	*	*	*	*	*	3	1	4	4
8	*	*	*	*	*	*	*	*	3	0	4	2
9	*	*	*	*	*	*	*	*	3	0	4	1
10	*	*	*	*	*	*	*	*	3	0	4	1
11	*	*	5	*	*	*	*	*	3	1	4	1
12	*	*	*	*	*	*	*	*	3	2	4	1
13	*	*	*	*	*	*	*	*	3	2	4	1
14	*	*	*	*	*	*	*	*	3	2	4	1
15	*	*	*	*	*	*	*	*	1	2	4	1
16	*	*	*	*	*	*	*	*	1	2	4	3
17	*	*	*	*	*	*	*	*	1	3	4	7
18	*	*	*	*	*	*	*	*	1	3	4	6
19	*	*	*	*	*	*	*	*	1	3	4	5
20	*	*	*	*	*	*	*	*	1	3	4	3
21	*	*	*	*	*	*	6	*	1	3	4	3
22	*	*	*	*	*	*	*	*	1	3	4	3
23	*	*	*	*	*	6	*	*	1	3	4	3
24	*	*	*	*	6	*	*	1	5	3	4	5
25	*	*	*	*	*	*	*	4	3	4	5	5
26	*	*	*	*	*	*	*	*	3	3	4	4
27	*	*	*	*	*	*	*	*	2	3	4	3
28	*	*	*	*	*	*	*	*	1	3	4	3
29	*	*	*	*	*	*	*	*	1	3	4	3
30	*	*	*	*	*	*	*	*	1	3	4	3
31	*	....	*	*	....	*	....	*	....	3	4	....
Mean	*	*	*	*	*	*	*	*	3	2	4	3
Max.	*	*	*	*	*	*	*	*	5	3	4	7
Min.	*	*	*	*	*	*	*	*	1	0	4	1
A.F.	*	*	*	*	*	*	*	*	155	125	246	190

*No Record.

REPORT OF THE STATE ENGINEER

PLUM CREEK—Sec. 10-19-49 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	2	2	3	2	2	2	2	1	1	1	0
2	2	2	2	3	2	2	2	2	1	1	1	0
3	2	2	2	3	2	2	2	2	1	1	1	0
4	2	2	2	3	2	2	2	2	3	1	1	0
5	2	2	2	3	2	2	2	2	3	1	0	0
6	2	2	2	3	2	2	2	2	3	1	0	0
7	2	2	2	3	2	2	2	2	3	1	0	0
8	2	2	2	3	2	2	2	2	3	1	0	0
9	2	2	2	3	2	2	2	2	3	0	1	0
10	2	2	2	2	2	2	2	2	1	0	1	0
11	2	2	2	2	2	2	2	2	1	0	1	0
12	2	2	2	2	2	2	2	2	1	0	0	0
13	2	2	2	2	2	2	2	2	1	0	0	1
14	2	2	2	2	2	2	2	2	1	1	0	1
15	2	2	2	2	2	2	2	2	1	1	0	1
16	2	2	2	2	2	2	3	2	1	1	0	1
17	2	2	2	2	2	2	2	2	1	1	0	1
18	2	2	2	2	2	2	3	2	1	1	0	1
19	2	2	2	2	2	2	3	1	1	1	0	1
20	2	2	2	2	2	2	2	1	1	0	0	0
21	2	2	2	2	2	2	2	1	1	0	0	0
22	2	2	2	2	2	2	2	1	1	0	0	0
23	2	2	2	2	2	2	2	1	1	0	0	0
24	2	2	2	2	2	2	2	1	1	0	0	0
25	2	2	2	2	2	2	2	1	1	0	0	1
26	2	2	2	2	2	2	2	1	1	0	0	1
27	2	2	2	2	2	2	2	1	1	0	0	1
28	2	2	2	2	2	3	3	1	1	1	0	1
29	2	2	2	2	2	2	2	1	1	1	0	1
30	2	2	2	2	.....	2	3	1	1	1	0	1
31	2	2	2	2	.....	2	.....	1	.....	1	.....	.....
Mean	2	2	2	2	2	2	2	2	1	1	0.2	0.5
Max.	2	2	2	3	2	3	3	2	3	1	1	1
Min.	2	2	2	2	2	2	2	1	1	0	0	0
A.F.	123	119	123	135	115	133	133	97	83	36	14	26

Total acre-feet 1137.

PUMPKINSEED CREEK NEAR BRIDGEFORT—Sec. 12-19-50 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	18	16	26	38	43	40	46	9.4	30	18	22
2	16	18	16	26	38	45	40	44	9.1	31	18	21
3	15	19	17	26	38	45	39	48	12	33	19	21
4	15	17	17	26	37	44	39	46	31	32	18	22
5	16	18	17	26	40	44	39	43	55	31	19	22
6	18	18	17	25	43	43	39	34	43	30	20	22
7	22	17	17	26	43	43	39	36	28	26	20	24
8	23	17	17	30	45	43	39	37	28	24	19	25
9	23	13	14	36	45	43	38	38	24	16	19	26
10	19	18	17	38	46	42	38	29	24	16	20	29
11	19	18	19	37	45	41	37	19	21	16	20	30
12	19	19	20	37	45	40	37	8	22	8	20	17
13	19	17	22	37	43	40	39	6	19	5	19	16
14	20	16	21	36	42	43	42	4	15	3	20	16
15	20	16	22	35	43	45	43	3	12	3	20	15
16	18	16	27	36	37	45	45	3	8	6	20	14
17	17	16	27	35	36	45	48	3	7	16	23	8
18	17	16	26	32	37	44	47	3	7	19	24	5
19	18	16	26	36	39	43	47	2	7	26	24	5
20	18	16	26	33	40	42	47	2	10	28	24	26
21	18	16	26	31	37	42	46	2	22	28	22	96
22	19	16	26	30	37	40	45	3	27	28	22	30
23	19	15	26	29	36	37	41	3	28	27	23	26
24	20	16	26	30	36	37	40	3	29	27	24	32
25	16	15	27	29	41	37	39	3	30	26	24	24
26	17	16	27	32	46	30	39	3	32	20	22	17
27	16	16	26	31	45	34	40	3	30	19	22	19
28	16	16	26	32	44	40	42	3	28	20	24	17
29	16	16	26	33	43	40	42	8	30	19	24	17
30	18	16	26	35	.....	39	44	12	30	18	23	18
31	19	.....	26	37	.....	39	.....	10	.....	18	22	.....
Mean	18	17	22	32	41	41	41	16	23	21	21	23
Max.	23	19	27	38	46	45	48	48	55	33	24	96
Min.	14	15	14	25	36	30	37	2	7	3	18	5
A.F.	1110	998	1376	1960	2350	2530	2460	1010	1360	1290	1300	1350

Total acre-feet 19090.

DEPARTMENT OF ROADS AND IRRIGATION

659

RED WILLOW CREEK NEAR BAYARD—Sec. 7-20-51 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	85	113	97	86	61	63	52	47	44	60	50	29
2	86	108	96	86	61	63	53	44	41	60	41	29
3	89	108	99	85	66	61	54	39	50	60	51	28
4	90	107	100	84	69	59	55	37	81	62	47	28
5	90	107	99	79	72	58	53	37	146	52	37	29
6	93	104	100	73	73	55	46	25	93	45	34	29
7	107	103	97	74	74	55	45	26	79	45	34	27
8	119	104	93	70	58	55	44	23	85	52	35	28
9	128	99	90	73	67	54	43	24	86	50	23	30
10	128	99	90	72	68	56	43	26	66	30	23	35
11	132	97	92	70	67	58	48	37	106	30	22	34
12	132	96	86	72	68	55	51	31	103	29	19	27
13	135	94	86	70	67	54	50	29	64	32	21	29
14	135	89	93	69	66	57	46	26	78	31	23	26
15	138	92	94	69	66	56	39	33	39	30	25	27
16	138	92	93	72	67	56	44	57	37	36	26	26
17	140	92	92	70	64	54	46	51	39	34	26	26
18	140	92	90	67	63	54	50	32	37	55	27	26
19	141	90	90	65	63	53	47	30	38	63	26	26
20	143	89	90	64	60	52	46	30	39	59	23	31
21	143	92	89	63	58	52	47	37	51	55	24	44
22	141	94	87	63	60	51	52	41	66	56	27	50
23	128	99	86	62	58	50	50	35	63	56	29	39
24	113	99	87	61	57	51	51	36	62	55	28	45
25	101	96	86	62	58	51	51	37	62	56	28	43
26	103	99	81	63	57	51	52	35	57	55	25	42
27	116	94	80	64	58	52	53	34	57	54	24	57
28	110	94	79	66	60	56	59	37	55	54	25	53
29	107	97	79	64	63	53	54	51	55	55	26	57
30	506	100	79	64	....	53	50	76	54	55	26	76
31	113	....	90	62	....	52	....	53	....	56	28	....
Mean	118	93	90	70	64	55	49	37	63	49	29	36
Max.	143	113	100	86	74	63	59	76	146	63	51	76
Min.	85	89	79	61	57	50	39	23	37	29	19	26
A.F.	7280	5830	5530	4290	3690	3370	2920	2290	3770	3020	1790	2130

Total acre-feet 45910.

RED WILLOW CREEK NEAR RED WILLOW—Sec. 8-3-28 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.8	13	19	11	18	42	31	31	17	260	13	7.4
2	6.6	14	18	11	19	56	30	28	117	32	6.7	7.4
3	6.8	14	18	10	17	53	29	28	17	16	23	7.1
4	6.8	14	18	11	16	49	28	27	15	25	17	9.5
5	6.4	15	19	10	17	46	26	23	14	26	6.7	12
6	6.7	14	19	11	18	46	25	20	18	21	6.8	8.9
7	7.1	15	19	11	18	45	24	20	560	17	6.0	8.0
8	6.8	16	19	11	15	44	23	18	140	16	5.8	7.8
9	7.4	16	19	12	13	41	23	16	300	14	6.0	7.8
10	8.7	15	19	12	15	37	23	16	112	12	229	7.6
11	9.3	15	18	16	16	35	22	15	230	11	6.8	7.8
12	9.5	14	18	14	17	32	19	15	154	12	5.2	7.8
13	9.8	14	18	14	17	20	23	15	103	11	4.8	7.8
14	10	15	18	14	18	16	23	13	75	10	4.4	7.8
15	10	14	20	15	17	31	23	12	60	9.3	4.1	7.6
16	9.1	15	20	18	17	26	22	13	52	9.8	4.4	7.8
17	9.1	15	20	20	16	27	22	64	44	8.9	4.4	7.4
18	9.8	15	20	15	17	26	21	45	37	8.4	4.6	7.4
19	11	15	18	8	17	26	22	25	31	8.2	4.7	7.1
20	11	16	13	9	17	26	21	22	26	8.4	4.4	7.1
21	11	16	10	9	17	25	20	21	22	8.9	3.7	7.4
22	12	16	10	9	17	25	20	22	20	8.0	4.0	7.8
23	10	16	11	9	17	25	19	20	18	7.0	4.0	7.8
24	10	17	11	9	16	24	19	20	15	7.1	3.9	352
25	12	17	11	9	15	24	18	20	14	5.9	4.5	15
26	12	17	10	9	19	24	18	20	14	5.9	4.5	9.1
27	13	18	9	12	25	24	18	20	12	8.9	4.4	14
28	12	20	8	14	31	27	280	19	12	10	24	12
29	14	18	8	15	32	30	109	18	12	13	8.9	11
30	13	19	9	16	....	30	40	18	12	8.7	7.6	11
31	13	....	10	17	....	31	....	17	....	6.7	7.3	....
Mean	10	16	15	12	18	33	35	22	76	20	14	20
Max.	14	20	20	20	32	56	280	64	560	260	229	352
Min.	6.4	13	8	8	13	16	18	12	12	5.9	3.7	7.1
A.F.	596	928	946	756	1040	2010	2060	1350	4510	1240	882	1200

Total acre-feet 17520.

REPORT OF THE STATE ENGINEER

REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE
Sec. 10-1-42 W.

Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	29	53	61	62	68	70	42	11	8.1	3.2	8
2	27	29	50	65	60	89	68	38	11	6.8	3.2	8
3	24	35	53	62	64	84	65	36	9	7.2	2.9	82
4	25	35	54	64	65	78	74	29	14	6.4	2.7	220
5	26	50	54	60	88	71	68	26	14	6.8	2.4	84
6	25	34	54	58	70	70	64	19	52	8.1	2.4	79
7	25	32	53	56	73	68	70	17	188	10	2.4	70
8	49	31	53	54	73	66	70	16	110	7.2	2.7	64
9	23	35	54	54	70	68	62	15	74	6.4	2.2	62
10	25	35	60	56	70	65	66	11	53	5.0	2.2	66
11	22	36	59	56	65	62	68	9	45	6.8	2.1	64
12	23	38	59	62	65	62	58	15	52	7.2	2.4	65
13	20	40	58	60	62	64	62	18	47	6.4	2.9	58
14	20	40	62	59	64	66	60	14	46	5.5	3.6	42
15	19	39	62	33	64	68	60	8	46	5.5	3.4	45
16	19	32	60	67	64	74	65	9	42	5.9	3.4	24
17	24	31	62	68	59	66	66	43	20	5.5	4.1	25
18	23	32	60	68	59	65	65	35	15	4.6	3.9	26
19	20	35	58	66	62	73	62	23	11	4.4	4.6	27
20	23	49	56	63	58	66	66	30	9.0	4.1	5.0	25
21	24	58	56	60	58	65	58	36	8.1	4.1	5.0	27
22	24	56	58	63	56	65	54	40	8.6	4.1	5.0	29
23	26	56	55	63	60	68	53	26	8.6	4.1	5.0	40
24	27	53	53	58	62	73	54	24	9.0	3.9	4.4	98
25	25	54	55	52	59	73	40	25	7.7	4.6	4.4	45
26	24	59	55	48	62	66	49	24	6.8	7.2	6.4	54
27	26	60	50	48	59	66	53	29	6.4	3.9	6.8	49
28	27	56	46	50	62	76	53	19	6.4	4.1	5.9	35
29	46	56	48	54	66	73	54	15	5.9	4.1	5.9	39
30	27	56	52	58	.....	81	12	13	5.0	3.9	7.2	47
31	26	.....	56	60	.....	74	.....	13	.....	3.9	8.6	.....
Mean	26	43	55	59	63	70	61	23	31	5.7	4.1	54
Max.	50	60	62	68	73	89	74	43	188	10	8.6	220
Min.	19	29	46	48	56	62	40	8	5	3.9	2.1	8
A.F.	1610	2350	3410	3650	3650	4310	3610	1420	1870	349	253	3210

Total acre-feet 29890.

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN

Sec. 31-1-37 W.

Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	3	16	10	35	24	45	21	12	0	0	0
2	0	6	15	10	40	30	40	18	5	0	0	0
3	0	5	15	10	50	40	37	21	3	0	0	0
4	0	5	15	10	50	105	40	16	3	0	0	180
5	0	11	15	10	50	105	40	16	0	0	0	35
6	0	10	15	8	60	105	39	15	0	0	0	5
7	0	11	15	5	70	100	39	10	43	0	0	5
8	0	11	16	5	74	100	38	7	28	0	0	0
9	0	11	15	5	70	90	42	7	28	0	0	0
10	0	12	16	5	70	90	41	3	19	0	0	0
11	0	12	14	5	65	80	41	0	9	0	0	0
12	0	12	13	5	60	80	38	0	3	0	0	0
13	0	12	13	5	55	60	40	0	0	0	0	0
14	0	14	12	5	50	100	41	0	0	0	0	0
15	0	12	12	5	50	125	42	0	0	0	0	0
16	0	14	13	5	50	100	42	0	0	0	0	0
17	0	14	13	5	50	90	45	0	0	0	0	0
18	0	15	13	.....	45	80	41	18	0	0	0	0
19	0	15	14	3	45	50	40	32	0	0	0	0
20	0	16	14	3	40	50	36	27	0	0	0	0
21	0	15	14	3	46	50	36	32	0	0	0	0
22	0	14	15	3	39	50	35	38	0	0	0	0
23	0	16	15	3	25	50	32	35	0	0	0	112
24	0	17	16	3	22	50	31	27	0	0	0	18
25	0	17	21	3	26	50	31	21	0	0	0	0
26	0	18	22	3	26	50	30	21	0	0	0	0
27	0	19	14	5	24	45	34	18	0	39	0	0
28	0	15	14	5	24	50	32	20	0	80	0	0
29	0	15	10	10	22	65	29	20	0	130	0	0
30	0	16	10	20	.....	55	24	21	0	5	0	5
31	0	.....	8	30	.....	44	.....	18	.....	0	0	.....
Mean	0	13	14	7	45	70	37	16	5	8	0	12
Max.	0	19	22	30	74	125	45	38	43	130	0	180
Min.	0	3	8	3	22	24	24	0	0	0	0	0
A.F.	0	760	879	417	2643	4290	2224	956	303	504	0	714

Total acre-feet 13690.

Insufficient measurements, therefore fair estimate of discharge.

DEPARTMENT OF ROADS AND IRRIGATION

661

REPUBLICAN RIVER AT MAX—Sec. 32-2-36 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	47	89	60	360	298	140	89	51	0	32	0
2	9	49	94	58	380	342	133	79	53	0	14	0
3	10	55	97	58	400	410	127	84	38	0	4	4
4	14	58	92	56	380	362	117	74	38	1	1	3200
5	16	67	92	56	400	278	117	60	32	2	0	1210
6	19	69	92	56	380	251	124	53	40	38	0	471
7	19	53	89	58	377	271	140	51	240	10	0	215
8	24	60	92	60	320	274	143	44	222	4	0	84
9	40	61	100	61	280	250	113	41	180	3	0	71
10	32	69	106	68	270	215	140	38	121	1	0	76
11	34	67	108	61	280	190	143	30	92	0	0	76
12	34	67	106	62	250	180	130	24	74	0	0	74
13	30	62	97	61	230	136	133	18	79	0	0	69
14	30	61	97	61	240	140	117	17	72	0	0	60
15	31	67	100	62	220	190	160	19	60	0	0	55
16	34	64	121	62	220	212	103	18	60	0	0	62
17	34	67	111	62	200	215	136	47	51	0	0	58
18	36	76	94	54	190	204	114	79	38	0	0	60
19	34	79	72	61	200	190	100	111	32	0	0	53
20	38	81	69	62	190	190	103	92	18	0	0	60
21	10	79	72	61	187	184	97	163	11	0	0	40
22	38	81	64	62	170	177	94	120	9	0	0	60
23	40	92	66	60	170	160	97	120	7	0	0	62
24	40	81	68	50	170	160	97	91	3	0	0	106
25	42	84	70	36	190	166	92	79	3	0	0	130
26	42	84	66	44	220	177	92	72	1	32	0	94
27	44	84	60	70	270	180	111	74	1	170	0	86
28	49	81	56	110	282	184	120	76	0	310	0	106
29	51	81	58	200	290	208	103	58	0	194	0	84
30	62	84	62	320	.....	180	94	51	0	81	0	108
31	53	.....	62	380	.....	153	.....	49	.....	53	0	.....
Mean	33	71	85	84	266	217	117	65	54	29	2	228
Max.	62	92	121	380	400	410	143	163	240	310	32	3200
Min.	7	47	56	36	170	136	92	17	0	0	0	0
A.F.	2040	4210	5210	5170	15300	13350	6940	4020	3230	1780	101	13560

Total acre-feet 74910.

REPUBLICAN RIVER AT CULBERTSON—Sec. 20-3-31 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	22	73	52	520	430	130	94	10	1	106	0
2	0	20	80	48	530	605	126	83	11	3	7	0
3	0	19	90	48	520	798	114	53	11	1	1	0
4	0	30	66	49	510	430	106	66	14	0	0	1900
5	0	35	80	46	500	362	83	66	14	0	0	1210
6	0	30	84	47	480	362	87	59	14	2	0	652
7	0	33	82	47	450	402	102	59	1460	0	0	326
8	0	28	84	46	380	402	102	59	760	0	0	170
9	0	33	88	48	307	470	106	46	430	0	0	102
10	0	30	90	50	290	335	144	46	231	0	0	87
11	0	40	92	58	300	188	144	16	139	0	0	73
12	0	40	88	51	270	157	134	6	106	0	0	53
13	0	16	82	56	260	126	139	5	90	0	0	53
14	0	40	82	54	260	120	152	2	76	0	0	51
15	0	46	88	51	240	100	152	2	70	0	0	43
16	0	46	96	56	260	90	148	3	48	0	0	33
17	0	46	100	52	240	316	162	59	27	0	0	33
18	0	43	81	43	230	268	182	90	30	0	0	25
19	0	40	78	41	230	215	166	73	27	0	0	17
20	0	40	70	46	220	208	144	87	14	0	0	12
21	0	53	54	46	220	188	134	90	7	0	0	13
22	0	48	58	41	218	182	134	102	4	0	0	12
23	0	66	60	45	210	188	130	66	2	0	0	13
24	1	63	62	40	200	194	118	63	1	0	0	11
25	1	66	61	32	210	152	87	33	0	0	0	53
26	2	63	56	40	220	188	51	10	0	0	0	80
27	3	63	48	56	350	194	73	13	0	1	0	53
28	5	51	46	80	500	201	148	12	0	39	3	33
29	6	48	45	160	470	250	94	13	0	148	2	25
30	6	51	50	340	.....	227	102	13	0	98	2	56
31	10	.....	52	520	.....	166	.....	11	.....	208	0	.....
Mean	1	43	73	77	331	275	123	45	120	19	4	173
Max.	10	66	100	520	530	798	182	102	1460	208	106	1900
Min.	0	19	45	32	200	90	51	2	0	0	0	0
A.F.	67	2540	4510	4740	19030	16890	7330	2780	7150	1190	240	10290

Total acre-feet 76760.

REPORT OF THE STATE ENGINEER

 REPUBLICAN RIVER NEAR BLOOMINGTON—Sec. 8-1-15 W.
 Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	11	17	141	190	230	770	500	634	1080	3980	1040	398
2	9	20	144	150	220	950	495	460	859	3320	692	187
3	9	24	138	160	215	1200	460	386	1710	664	572	118
4	8	26	144	180	210	1350	418	341	1240	634	1500	85
5	8	27	174	140	215	944	397	312	712	418	1200	71
6	8	34	207	120	230	944	386	305	405	344	836	62
7	9	38	214	130	225	838	397	272	330	305	301	416
8	9	40	214	120	220	740	393	258	1580	210	217	328
9	11	44	214	110	215	684	378	251	7550	168	154	250
10	11	45	217	115	224	658	386	238	5240	130	110	199
11	11	51	224	125	230	628	393	221	3260	107	1360	163
12	13	56	227	145	220	610	378	204	2390	82	1190	142
13	13	60	221	145	220	572	378	204	1740	58	780	128
14	13	65	227	140	240	538	389	294	1260	71	480	112
15	13	69	238	140	240	528	378	362	912	120	238	102
16	13	71	238	142	230	538	359	280	761	710	220	95
17	13	73	251	135	225	511	355	251	684	976	199	88
18	14	80	251	115	230	577	362	258	604	430	157	71
19	13	85	251	100	240	555	359	287	511	244	118	62
20	13	92	248	115	250	516	359	330	432	178	85	66
21	14	97	262	115	265	511	386	460	366	136	64	52
22	14	99	210	110	270	495	378	359	326	92	47	50
23	16	104	160	110	285	480	370	305	301	64	35	54
24	16	109	165	105	300	470	352	301	269	41	27	196
25	16	112	180	105	310	460	344	337	238	25	19	2320
26	17	117	170	100	335	455	319	305	214	16	15	2280
27	16	122	150	100	390	455	312	272	204	274	12	1400
28	16	125	140	105	500	450	312	251	184	1410	11	626
29	16	130	125	125	590	455	355	238	161	1820	56	398
30	16	136	130	170	.....	475	1000	221	141	1570	184	286
31	16	.....	160	209	.....	511	.....	1430	.....	2590	156	.....
Mean	13	72	195	131	268	641	4002	343	1189	683	393	360
Max.	17	136	262	206	590	1350	1000	1430	7550	3980	1500	2320
Min.	8	17	125	100	210	450	312	204	141	16	11	50
A.P.	783	4300	11970	8060	15420	39410	23900	21080	70740	42020	24150	21410
Total acre-feet 283200.												

 REPUBLICAN RIVER NEAR HARDY—Sec. 6-1-5 W.
 Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	27	127	80	120	950	494	686	1210	222	2590	159
2	8	36	130	80	120	1200	527	810	1580	2500	1350	159
3	8	29	130	80	125	1350	516	626	1160	2130	936	260
4	7	27	133	80	125	1500	505	510	1320	971	745	172
5	6	32	136	80	130	1670	483	456	1370	778	1120	143
6	6	38	136	80	130	1580	478	406	817	626	1500	165
7	5	40	146	80	130	1030	483	490	590	527	999	80
8	6	40	162	85	135	908	488	422	461	461	719	72
9	12	49	172	90	135	810	472	375	3130	428	505	175
10	31	51	162	105	140	764	466	345	6800	365	355	234
11	25	54	172	110	150	758	444	304	3900	360	291	196
12	17	61	172	120	165	738	434	264	2700	304	395	165
13	23	66	165	130	200	566	428	286	1810	260	1210	140
14	18	72	165	125	237	544	428	239	1420	260	810	120
15	22	66	168	125	240	978	400	255	1140	243	644	111
16	20	74	178	124	230	572	439	304	936	243	450	94
17	20	74	178	115	240	522	414	456	810	282	318	77
18	17	80	178	105	235	522	439	1080	693	771	268	66
19	23	77	178	98	200	494	412	554	626	590	247	63
20	22	80	165	100	180	566	417	596	560	444	185	38
21	23	82	159	110	165	544	395	1960	505	360	159	53
22	25	88	124	105	165	516	395	706	450	296	133	40
23	27	97	140	100	170	510	461	584	2420	268	108	58
24	25	91	110	100	170	505	439	466	693	230	111	88
25	31	94	90	100	190	500	400	385	428	200	77	117
26	25	117	65	98	230	461	395	340	360	165	108	680
27	40	85	55	98	350	472	380	304	332	178	66	1220
28	22	111	60	96	500	439	385	345	309	210	61	1110
29	32	117	65	110	650	472	370	332	273	1310	51	680
30	27	120	65	135	.....	483	345	318	247	1780	66	456
31	25	.....	70	130	.....	400	.....	282	.....	1460	58	.....
Mean	26	69	134	102	205	754	439	496	1298	620	537	238
Max.	40	120	178	135	650	1670	527	1960	6800	2500	2590	1220
Min.	5	27	55	80	120	400	345	239	247	165	51	38
A.P.	1200	4120	8240	6300	11820	46360	26110	30520	77260	38130	33000	14130
Total acre-feet 297200.												

DEPARTMENT OF ROADS AND IRRIGATION

663

SAND CREEK—Sec. 10-15-40 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	4	1	2	3	3	3
2	*	*	*	*	*	*	4	5	2	3	3	3
3	*	*	*	*	*	*	4	2	2	3	3	3
4	*	*	*	*	*	*	4	2	1	3	3	3
5	*	*	*	*	*	*	4	3	3	3	3	3
6	*	*	*	*	*	*	4	3	3	3	3	3
7	*	*	*	*	*	*	4	1	3	3	3	3
8	*	*	*	*	*	*	4	1	3	3	3	3
9	*	*	*	*	*	*	4	1	3	3	3	3
10	*	*	*	†	*	*	4	1	3	3	3	3
11	*	*	*	*	*	*	4	3	3	3	3	3
12	1	*	1	*	*	*	4	3	2	3	3	3
13	*	*	*	*	*	*	4	3	1	3	3	3
14	*	*	*	*	*	*	4	3	1	1	3	3
15	*	*	*	*	*	*	4	3	1	1	4	3
16	*	*	*	*	*	*	5	3	1	1	3	3
17	*	*	*	*	*	*	5	3	1	2	3	3
18	*	*	*	*	*	5	5	3	1	3	3	3
19	*	*	*	*	*	*	4	5	2	3	3	3
20	*	*	*	*	*	*	4	4	2	3	3	3
21	*	*	*	*	†	*	4	4	2	3	3	3
22	*	*	*	*	*	*	4	2	2	3	3	3
23	*	*	*	*	*	*	5	2	2	3	3	3
24	*	*	*	*	*	*	6	3	3	3	3	3
25	*	*	*	*	*	*	6	1	3	3	3	3
26	*	*	*	*	*	*	4	1	3	1	3	3
27	*	*	*	*	*	*	4	1	3	3	3	3
28	*	*	*	*	*	*	2	1	3	3	4	3
29	*	*	*	*	*	*	2	2	3	3	4	3
30	*	*	*	*	*	*	2	2	3	3	3	3
31	*	*	*	*	*	*	2	2	3	3	3	3
Mean	*	.....	*	*	*	*	.....	.....	.....	3	3	.....
Max.	*	*	*	*	*	*	4	5	3	3	3	3
Min.	*	*	*	*	*	*	6	5	3	3	4	3
A.F.	†60	†100	†90	†90	†150	†180	242	137	139	167	190	178

Total acre-feet 1723.

*No Record.

†Estimated.

SAPPA CREEK NEAR BEAVER CITY—Sec. 14-1-23 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	2.2	1.3	0	192	0	297	18
2	0	0	0	0	0	3.2	1.0	0	90	14	88	3.0
3	0	0	0	0	0	4.8	.4	0	13	90	193	1.4
4	0	0	0	0	0	4.4	.3	0	3.8	70	308	.5
5	0	0	0	0	0	5.8	.5	0	1.2	21	26	.2
6	0	0	0	0	0	9.3	1.1	0	1.1	6.4	7.8	.2
7	0	0	0	0	0	6.4	.9	0	.4	2.5	3.2	.1
8	0	0	0	0	0	4.4	.7	0	.2	.9	1.6	.1
9	0	0	0	0	0	4.2	.5	0	.2	.2	1.1	0
10	0	0	0	0	0	2.7	.4	0	0	0	.4	0
11	0	0	0	0	0	1.6	.3	0	0	0	405	0
12	0	0	0	0	0	1.2	.3	0	0	0	61	0
13	0	0	0	0	0	1.0	.4	0	0	0	84	0
14	0	0	0	0	0	.9	.3	0	0	0	56	0
15	0	0	0	0	0	.5	.2	0	0	0	31	0
16	0	0	0	0	0	1.0	.2	0	0	0	14	0
17	0	0	0	0	0	1.6	.3	0	0	0	4.6	0
18	0	0	0	0	0	1.0	.3	.7	0	0	2.7	0
19	0	0	0	0	0	1.0	.2	0	0	0	.8	0
20	0	0	0	0	0	1.2	.1	0	0	0	.8	0
21	0	0	0	0	0	2.8	1.4	0	0	0	.4	0
22	0	0	0	0	0	6.0	1.4	0	2.8	0	.2	0
23	0	0	0	0	0	6.6	1.2	0	2.2	0	.0	0
24	0	0	0	0	0	7.8	1.2	0	1.1	0	.1	1420
25	0	0	0	0	0	10	1.1	.2	.4	0	13	454
26	0	0	0	0	0	8.0	.9	.1	1.7	0	4.4	44
27	0	0	0	0	0	3.8	.6	.1	.8	0	1.9	14
28	0	0	0	0	0	1.6	.6	0	.2	0	.6	8.8
29	0	0	0	0	0	2.0	.4	0	252	0	202	4.8
30	0	0	0	0	0	.....	.7	0	128	0	348	2.8
31	0	0	0	0	0	.....	1.1	.....	220	.....	388	.....
Mean	0	0	0	0	0	2	2	.3	20	10	149	66
Max.	0	0	0	0	0	10	9	1	252	192	1580	405
Min.	0	0	0	0	0	.4	0	0	0	0	.0	0
A.F.	0	0	0	0	96	137	20	1210	599	9140	4080	3910

Total acre-feet 19190.

REPORT OF THE STATE ENGINEER

SARBEN SLOUGH—Sec. 20-14-35 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	1	1	2	1	2	4	3	2	1	1	1
2	2	1	1	2	1	2	3	3	2	1	1	1
3	2	1	1	2	1	2	3	3	2	1	1	1
4	2	1	1	2	1	2	2	2	3	1	1	1
5	2	1	1	2	1	1	2	2	3	1	1	1
6	2	1	1	2	1	1	2	2	4	2	1	1
7	2	1	1	2	1	1	3	2	5	2	1	1
8	3	1	1	2	2	2	4	2	5	1	1	1
9	4	1	2	2	2	1	4	2	3	1	1	1
10	3	1	2	2	2	1	3	2	3	1	1	1
11	2	1	2	2	2	1	4	2	2	2	1	1
12	2	1	2	1	2	1	3	2	2	1	1	1
13	2	1	2	1	2	2	3	2	2	1	1	1
14	2	1	2	1	2	2	3	2	2	1	1	1
15	2	1	2	1	1	2	4	2	2	9	1	1
16	1	1	2	1	1	1	4	2	2	3	1	1
17	1	1	2	1	1	1	3	2	2	1	1	1
18	1	1	2	1	1	1	3	2	1	2	1	1
19	1	1	2	1	1	1	3	2	1	1	1	1
20	1	1	2	1	1	1	3	2	1	1	1	1
21	1	1	2	1	1	1	3	2	1	1	1	2
22	1	1	3	1	1	1	3	2	1	1	1	2
23	1	1	3	1	1	1	3	2	1	1	1	2
24	1	1	3	1	2	1	3	2	1	1	1	2
25	1	1	3	1	2	2	3	2	1	1	1	2
26	1	1	4	1	2	2	3	2	1	1	1	2
27	1	1	3	1	2	2	4	2	1	1	1	2
28	1	1	2	1	1	2	4	2	1	1	1	2
29	1	1	1	1	1	3	4	2	1	1	1	2
30	1	1	2	1	....	4	4	2	1	1	1	2
31	1	....	2	1	....	4	....	2	....	1	1	....
Mean	2	1	2	1	1	2	3	2	2	1	1	1
Max.	4	1	4	2	2	4	4	3	5	9	1	2
Min.	1	1	1	1	1	1	2	2	1	1	1	1
A.F.	99	60	121	83	80	99	192	123	117	89	60	75
Total acre-feet 1198.												

SCOTTSBLUFF DRAIN NO. 1—Sec. 25-22-55 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	6	11	7	8	7	5	5	4	0	3	16
2	14	6	11	7	8	7	5	5	4	0	6	13
3	12	6	11	7	8	7	5	4	4	0	6	13
4	8	6	11	7	8	7	5	4	4	7	6	14
5	8	6	11	7	8	7	5	5	5	7	9	11
6	8	6	9	7	8	7	5	5	6	6	7	11
7	8	6	9	7	8	7	5	3	6	6	5	13
8	8	6	9	7	8	7	5	4	8	6	8	13
9	8	6	9	7	8	7	5	4	6	6	12	14
10	8	6	9	7	8	7	5	3	4	4	8	14
11	8	8	9	7	7	7	5	4	4	0	9	14
12	8	8	9	7	7	7	5	3	4	6	10	15
13	8	8	9	7	7	7	5	4	7	7	9	14
14	8	8	9	7	7	7	5	4	4	3	11	14
15	8	11	9	7	7	6	5	4	6	7	9	12
16	8	11	8	7	7	6	6	4	7	9	10	13
17	8	11	8	7	7	6	6	10	1	9	12	8
18	8	11	8	7	7	6	6	12	1	7	9	7
19	8	11	8	7	6	6	6	6	1	8	11	9
20	8	11	8	7	6	6	6	4	0	5	11	12
21	8	11	8	7	6	6	6	6	0	6	11	12
22	8	11	8	7	6	6	6	6	0	6	9	15
23	8	11	8	7	6	6	6	6	0	6	10	15
24	8	11	8	7	6	6	6	6	0	1	10	16
25	8	11	8	7	7	6	6	1	0	3	12	16
26	8	11	7	8	7	5	6	2	0	6	13	14
27	6	11	7	8	7	5	6	2	0	6	12	12
28	6	11	7	8	7	5	6	2	0	7	14	14
29	6	11	7	8	7	5	6	1	0	2	14	14
30	6	11	7	8	....	5	6	2	0	2	14	13
31	6	....	7	8	....	5	....	1	....	3	13	....
Mean	8	7	9	7	7	6	6	4	3	5	10	13
Max.	18	11	11	8	8	7	6	12	8	9	14	16
Min.	6	6	7	7	6	5	5	1	0	0	3	7
A.F.	512	532	530	442	410	385	327	258	171	317	601	775
Total acre-feet 5260.												

DEPARTMENT OF ROADS AND IRRIGATION

SCOTTSBLUFF DRAIN NO. 2—Sec 34-22-54 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	6	4	4	3	4	3	4	6	7	3	5
2	8	6	4	4	3	4	3	3	6	8	3	5
3	8	6	4	4	3	4	3	3	5	9	4	5
4	8	6	4	4	3	4	3	3	6	9	4	5
5	8	6	4	4	3	4	3	3	7	9	4	7
6	8	6	4	4	3	4	3	3	6	7	3	7
7	8	6	4	4	3	4	3	3	6	7	4	7
8	8	5	4	4	3	4	3	3	5	7	6	7
9	8	5	4	4	3	4	3	3	4	8	4	7
10	8	5	4	4	3	4	3	3	4	7	5	9
11	8	5	4	4	3	3	3	2	2	7	4	10
12	8	5	4	4	3	3	3	2	2	7	4	10
13	8	5	4	4	3	3	3	2	2	7	4	10
14	8	5	4	4	3	3	3	2	3	6	4	10
15	8	4	4	4	3	3	3	1	3	7	5	10
16	7	4	4	4	4	3	4	1	3	12	4	10
17	7	4	4	4	4	3	4	1	3	5	6	7
18	7	4	4	4	4	3	4	2	3	6	6	6
19	7	4	4	4	4	3	4	3	3	5	6	6
20	7	4	4	4	4	3	4	3	3	5	6	7
21	7	4	4	4	4	3	4	4	2	4	5	8
22	7	4	4	4	4	3	4	3	4	5	6	7
23	7	4	4	4	3	3	4	2	4	4	7	7
24	7	4	4	4	3	3	4	2	2	6	3	7
25	7	4	4	3	3	3	4	2	6	5	6	5
26	6	4	4	3	3	3	4	2	6	5	6	7
27	6	4	4	3	3	3	4	2	7	4	5	6
28	6	4	4	3	5	3	4	2	7	4	5	6
29	6	4	4	3	3	3	4	5	16	4	5	6
30	6	4	4	3	.....	3	4	3	8	3	5	6
31	6	.....	4	3	.....	2	.....	2	.....	3	5	.....
Mean	7	4	4	4	3	3	4	3	5	6	5	7
Max.	8	6	4	4	4	4	4	4	16	12	8	10
Min.	6	4	4	3	3	3	3	1	2	3	3	5
A.F.	448	280	246	232	186	204	210	159	300	377	305	424

Total acre-feet 3371.

SHEEP CREEK NEAR MORRILL—Sec. 16-23-57 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	75	66	64	60	57	57	52	8	11	2.7	4.2
2	10	76	65	61	60	57	58	53	8	11	2.7	3.7
3	10	75	66	64	60	58	57	54	8	12	1.5	4.2
4	11	75	67	64	60	57	57	52	9	12	1.7	4.2
5	11	74	65	64	60	57	57	51	10	12	1.7	4.6
6	11	76	65	64	60	57	57	52	40	12	2.2	4.2
7	12	77	65	64	61	59	60	23	54	12	2.2	3.7
8	12	78	66	62	60	60	58	6.1	54	12	2.7	4.2
9	37	78	65	64	60	59	57	6.6	55	6.1	2.7	4.2
10	7.8	72	67	62	60	58	59	8.4	58	1.0	2.7	3.7
11	7.4	74	65	62	60	58	59	7.8	58	1.2	2.2	6.6
12	6.9	73	64	62	58	58	60	8.4	26	1.5	2.2	11
13	6.4	76	64	62	58	60	61	8.4	6	1.5	1.7	6.6
14	7.8	74	64	61	58	58	61	7.2	9	3.7	1.7	2.7
15	6.4	72	65	60	58	59	62	7.2	12	11	2.2	2.2
16	5.9	73	64	60	60	58	66	7.2	11	7.8	2.2	2.7
17	5.9	74	65	60	58	58	64	7.8	11	2.7	2.2	2.7
18	6.4	76	65	60	58	57	59	7.8	11	2.7	2.2	2.7
19	5.9	66	64	59	58	56	57	7.8	11	2.7	2.2	2.7
20	5.0	67	64	60	58	55	56	8.4	11	2.2	2.7	2.7
21	5.0	67	63	60	58	55	56	7.2	11	2.7	2.2	2.7
22	5.5	65	62	60	58	54	53	9.0	11	2.2	2.7	2.7
23	5.0	64	65	57	57	57	53	8.4	12	2.2	2.7	3.2
24	6.4	64	66	58	58	56	53	7.8	10	2.2	2.7	3.2
25	50	65	64	58	58	55	53	7.8	11	2.7	3.2	3.2
26	72	65	64	59	57	55	52	7.8	11	3.2	3.2	3.2
27	70	65	62	58	60	55	52	6.6	11	3.2	3.7	3.7
28	71	65	62	59	58	60	58	5.6	11	3.2	3.2	3.7
29	69	65	62	60	58	57	57	5.6	11	3.2	3.2	3.7
30	69	66	63	60	.....	57	53	7.2	11	2.7	3.2	3.7
31	76	.....	64	58	.....	57	.....	7.8	.....	2.7	4.2	.....
Mean	22	71	64	61	59	57	57	17	17	5.4	2.5	3.9
Max.	76	78	67	64	61	60	66	54	58	12	4.2	11
Min.	5.0	64	62	57	57	54	52	5.6	6.1	1.0	1.5	2.2
A.F.	1380	4230	3960	3740	3390	3520	3410	1030	1150	334	156	230

Total acre-feet 26530.

REPORT OF THE STATE ENGINEER

SILVERNAIL DRAIN—Sec. 6-19-49 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	6	*	*	*	*	3	5	3	4	4
2	*	*	*	*	*	*	*	4	5	3	3	4
3	*	*	*	*	*	*	*	3	5	3	3	3
4	*	*	*	*	*	*	*	3	5	3	4	3
5	*	*	*	*	*	*	*	3	5	3	3	4
6	*	*	*	*	*	*	*	3	6	3	3	3
7	*	*	*	*	*	*	*	3	4	3	3	3
8	*	*	*	*	*	*	*	3	5	3	3	3
9	*	*	*	*	*	*	*	3	5	3	3	3
10	7	*	*	*	*	*	*	3	5	3	3	3
11	*	*	*	*	*	*	*	3	5	3	3	3
12	*	*	*	*	*	*	*	3	5	3	3	3
13	*	*	*	*	*	*	*	3	5	3	3	3
14	*	*	*	*	*	*	*	4	3	3	4	4
15	*	*	*	*	5	*	4	4	3	3	4	4
16	*	*	*	*	*	5	*	4	3	3	5	4
17	*	*	*	*	*	*	*	4	3	3	5	4
18	*	*	*	*	*	*	*	4	3	3	6	4
19	*	*	*	*	*	*	*	4	3	2	4	3
20	*	*	*	*	*	*	*	4	3	3	4	3
21	*	*	*	*	*	*	*	4	3	3	4	4
22	*	*	*	*	*	*	*	4	3	3	4	3
23	*	*	*	*	*	*	*	4	3	3	4	4
24	*	*	*	*	*	*	*	4	4	3	4	4
25	*	*	*	*	*	*	*	4	3	3	4	4
26	*	*	*	*	*	*	*	4	3	3	4	4
27	*	*	*	*	*	*	*	5	3	3	4	4
28	*	*	*	*	*	*	*	5	4	3	3	3
29	*	*	*	*	*	*	*	5	3	3	3	4
30	7	*	*	*	*	*	*	5	3	3	3	4
31	*	*	*	*	....	*	....	5	3	3	4	....
Mean	*	*	*	*	*	*	*	4	4	3	4	3
Max.	*	*	*	*	*	*	*	5	6	5	6	4
Min.	*	*	*	*	*	*	*	3	3	2	3	3
A.F.	†430	†357	†369	†369	†288	†507	†238	232	214	188	226	210

Total acre-feet 3428.

*No Record.

†Estimated.

SPOTTED TAIL CREEK, DRY—Sec. 28-23-56 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	24	22	24	22	22	22	18	0	23	6	3
2	30	24	22	24	22	21	22	22	0	22	4	4
3	30	24	22	24	22	21	22	12	1	12	6	5
4	30	24	22	25	22	21	22	21	0	15	4	28
5	30	24	22	25	22	21	22	18	10	11	5	9
6	30	24	24	26	22	21	22	18	9	10	4	6
7	30	24	24	26	22	21	24	18	15	23	3	6
8	30	24	25	24	22	21	24	18	16	12	6	5
9	30	24	25	24	22	21	22	18	11	9	4	6
10	31	24	25	24	22	21	24	18	15	10	5	6
11	31	24	25	24	22	21	24	19	18	16	6	6
12	31	24	25	24	22	21	22	19	17	6	5	6
13	31	24	25	24	22	21	22	19	20	5	4	6
14	31	24	25	24	22	21	22	18	21	3	4	5
15	30	24	25	24	22	21	24	19	16	3	4	5
16	30	22	24	22	22	21	26	87	15	30	3	5
17	30	22	24	22	22	21	28	81	15	6	5	4
18	28	22	24	22	22	21	28	10	17	1	6	5
19	28	22	24	22	22	21	26	14	20	6	7	4
20	28	22	24	22	22	21	24	14	23	6	6	4
21	28	22	24	22	22	21	22	15	18	6	6	4
22	26	22	24	22	22	21	22	14	26	6	8	4
23	26	22	24	22	22	21	22	15	24	4	5	2
24	26	22	26	22	22	21	22	16	24	4	5	3
25	26	22	28	22	22	21	22	16	24	6	6	3
26	24	22	28	22	22	22	22	16	24	6	9	3
27	24	22	26	22	22	22	22	15	24	13	6	14
28	24	22	24	22	22	24	24	16	25	9	6	12
29	24	22	24	22	22	24	24	22	25	11	6	20
30	24	22	24	22	22	22	22	1	25	12	6	11
31	24	....	24	22	....	22	....	1	....	7	6	....
Mean	28	22	24	23	22	21	23	20	16	10	5	3
Max.	31	24	28	26	22	24	26	87	25	30	9	28
Min.	24	22	22	22	22	21	22	1	0	1	3	2
A.F.	1736	1369	1496	1424	1265	1311	1380	1252	988	621	329	405

Total acre-feet 13576.

DEPARTMENT OF ROADS AND IRRIGATION

667

SPOTTED TAIL CREEK, WET—Sec. 6-22-55 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	17	16	16	15	15	13	12	17	12	11	13
2	17	17	16	16	15	15	13	12	17	12	11	13
3	17	17	16	16	15	15	13	12	17	12	11	13
4	17	17	15	16	15	15	13	12	17	12	10	13
5	17	17	15	16	15	15	13	12	18	12	10	13
6	17	17	15	16	15	15	13	12	18	13	10	13
7	17	17	15	16	15	15	13	12	18	13	10	13
8	17	17	15	16	15	15	13	11	20	13	10	13
9	17	17	15	16	15	15	13	11	19	13	10	13
10	17	17	15	16	15	15	13	11	20	13	10	13
11	17	17	15	16	15	15	13	11	20	13	10	13
12	17	17	15	16	15	15	13	11	18	13	10	14
13	17	17	15	16	15	15	13	11	17	13	10	14
14	17	17	15	16	15	15	13	11	17	13	10	14
15	17	17	15	16	15	15	13	10	16	13	10	14
16	18	15	16	16	15	14	14	10	15	13	11	14
17	18	16	16	16	15	14	14	10	14	13	11	14
18	18	16	16	16	15	14	14	10	13	12	11	14
19	18	16	16	16	15	14	14	11	13	12	11	14
20	18	16	16	16	15	14	14	11	13	12	11	14
21	18	16	16	16	15	14	14	12	13	12	11	14
22	18	16	16	16	15	14	14	12	13	12	11	14
23	18	16	16	16	15	14	14	13	13	12	11	14
24	18	16	16	16	15	14	14	13	12	12	11	14
25	18	16	16	15	15	14	14	14	12	12	11	14
26	18	16	16	15	15	14	14	14	12	12	11	14
27	18	16	16	15	15	14	14	15	12	12	12	14
28	18	16	16	15	15	14	14	15	12	12	12	14
29	18	16	16	15	15	14	14	15	12	12	12	14
30	18	16	16	15	.....	14	14	15	12	12	12	14
31	18	.....	16	15	.....	14	.....	16	.....	11	12	.....
Mean	18	17	16	16	15	15	13	12	15	12	11	14
Max.	18	17	16	16	15	15	14	16	20	13	12	14
Min.	17	16	15	15	15	14	13	10	12	11	10	13
A.F.	1077	982	960	972	863	890	803	748	912	760	662	811

Total acre-feet 10440.

SPRING CREEK—Sec. 4-23-58 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	9	8	8	8	9	8	8	11	9	8	8
2	10	9	8	8	8	9	8	8	12	8	8	8
3	10	9	8	8	8	9	8	8	15	8	8	8
4	10	9	8	8	8	9	8	8	18	8	8	8
5	10	9	8	8	8	9	8	8	22	8	8	8
6	10	9	8	8	8	9	8	8	24	8	8	8
7	10	9	8	8	8	9	8	8	10	8	8	8
8	10	9	8	8	8	9	8	8	9	8	8	8
9	10	9	8	8	8	9	8	8	9	8	8	8
10	10	9	8	8	8	9	8	8	9	8	8	8
11	10	9	8	8	8	9	9	9	9	8	8	8
12	10	9	8	8	8	9	9	9	9	8	8	8
13	10	9	8	8	8	9	9	9	9	8	8	8
14	10	9	8	8	8	9	9	10	9	8	7	8
15	10	9	8	8	8	9	9	10	9	8	7	8
16	9	8	8	8	8	8	11	11	9	8	7	9
17	9	8	8	8	8	8	10	11	9	8	7	9
18	9	8	8	8	8	8	10	11	9	8	7	9
19	9	8	8	8	8	8	10	11	9	9	7	9
20	9	8	8	8	8	8	9	11	9	9	7	9
21	9	8	8	8	8	8	9	11	8	9	7	9
22	9	8	8	8	8	8	9	11	8	9	7	9
23	9	8	8	8	8	8	9	11	8	9	7	9
24	9	8	8	8	8	8	9	11	8	9	7	9
25	9	8	8	8	8	8	9	11	8	9	7	9
26	9	8	8	8	8	8	8	11	8	8	8	9
27	9	8	8	8	8	8	8	11	8	8	8	9
28	9	8	8	8	8	8	8	11	8	8	8	9
29	9	8	8	8	8	8	8	11	8	8	8	9
30	9	8	8	8	.....	8	8	11	8	8	8	9
31	9	.....	8	8	.....	8	.....	11	.....	8	8	.....
Mean	9	9	8	8	8	8	9	10	10	8	8	9
Max.	10	9	8	8	8	9	11	11	24	9	8	9
Min.	9	8	8	8	8	8	8	8	8	8	7	8
A.F.	583	1061	492	492	460	522	516	603	573	508	468	506

Total acre-feet 6784.

REPORT OF THE STATE ENGINEER

STREVER CREEK—Sec. 1-8-20 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	5	6	7	6	7	12	17	2	0	48	0
2	0	5	6	6	6	7	12	18	2	0	46	0
3	0	5	6	6	6	7	14	20	3	0	51	0
4	0	5	6	6	6	7	16	27	1	0	61	0
5	0	5	6	6	6	7	18	26	1	0	60	0
6	0	5	6	6	6	7	20	15	1	0	55	0
7	0	5	6	6	6	8	22	29	2	0	49	0
8	0	5	6	6	6	8	22	25	17	0	56	0
9	0	5	6	6	6	8	21	29	19	0	54	0
10	0	5	6	6	6	8	20	25	46	10	27	0
11	0	5	6	6	6	8	20	25	56	35	16	0
12	4	5	6	6	6	8	20	28	50	66	15	0
13	4	5	6	6	6	8	21	38	39	53	14	0
14	4	5	6	6	6	8	21	21	39	48	12	0
15	4	5	6	6	6	8	22	17	27	49	8	0
16	4	5	6	6	6	8	22	12	21	36	6	0
17	5	6	6	6	6	8	23	14	13	24	4	0
18	5	6	6	6	6	8	23	17	7	27	2	0
19	5	6	6	6	6	9	22	14	5	21	2	0
20	5	6	6	6	6	9	22	9	5	10	0	0
21	5	6	6	6	6	9	21	17	5	7	1	0
22	5	6	6	6	6	7	12	21	10	3	7	0
23	5	6	6	6	6	7	15	20	25	2	7	0
24	5	6	5	6	6	7	15	20	23	2	6	0
25	5	6	5	6	6	7	16	18	25	1	22	0
26	5	6	4	6	6	7	18	18	26	0	31	0
27	5	6	5	6	6	7	17	17	24	0	38	0
28	5	6	5	6	6	7	17	16	17	0	51	0
29	5	6	6	6	6	7	16	16	13	0	58	0
30	5	6	7	6	6	14	16	6	0	51	0	13
31	5	.....	7	6	.....	14	.....	5	.....	48	0	.....
Mean	3	5	6	6	6	10	19	20	12	23	19	1
Max.	5	6	7	7	7	17	23	38	56	66	61	13
Min.	0	5	4	6	6	7	12	5	0	0	0	0
A.F.	188	325	361	371	361	633	1142	1224	730	1398	1164	50

Total acre-feet 7947.

TUB SPRINGS—Sec. 8-22-55 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	90	*	*	*	*	*	*	38	3	10	5	3
2	90	29	*	*	*	32	*	40	3	59	5	3
3	87	*	*	*	35	*	26	35	3	17	5	4
4	77	*	29	*	*	*	*	36	22	24	5	4
5	83	*	*	*	*	*	*	35	44	13	5	25
6	73	*	*	*	*	*	*	35	116	8	5	46
7	71	*	*	*	*	*	*	36	44	26	5	44
8	75	*	*	*	*	*	*	35	67	41	5	45
9	99	*	*	*	*	*	*	34	68	21	5	45
10	110	*	*	*	*	*	*	29	66	22	5	72
11	110	*	*	35	*	*	*	25	67	22	5	69
12	110	*	*	*	*	*	*	24	74	17	5	69
13	111	*	*	*	*	*	*	26	46	12	5	63
14	109	*	*	*	*	*	*	23	43	15	5	62
15	*	*	*	*	*	*	*	25	54	22	5	59
16	*	13	*	*	*	31	*	24	44	85	5	57
17	*	*	*	*	*	*	30	24	23	53	5	50
18	*	*	*	*	*	*	*	16	3	73	5	33
19	*	*	*	*	*	*	*	35	19	62	5	26
20	*	*	*	*	*	*	*	35	23	50	5	40
21	*	*	*	*	*	*	*	12	7	41	5	55
22	*	*	*	*	*	*	*	7	6	12	5	69
23	*	*	*	*	*	*	*	3	22	7	5	62
24	*	*	*	*	*	*	*	3	11	6	5	65
25	*	*	*	*	*	*	*	3	13	5	5	59
26	14	*	*	*	*	*	*	3	10	7	5	63
27	*	*	*	*	*	*	*	3	5	29	3	61
28	*	*	*	*	*	*	*	3	5	29	3	67
29	*	*	*	*	*	*	*	3	8	29	3	68
30	*	*	*	*	*	*	*	3	10	29	3	65
31	.....	.....	.....	.....	.....	.....	.....	3	.....	23	3	.....
Mean	*	*	*	*	*	*	*	21	31	27	5	45
Max.	*	*	*	*	*	*	*	40	116	85	5	72
Min.	*	*	*	*	*	*	*	3	3	5	3	3
A.F.	†3000	†1300	†1800	†2100	†2000	†1900	†1650	1302	1803	1724	288	2883

Total acre-feet 21750.

*No Record.

†Estimated.

DEPARTMENT OF ROADS AND IRRIGATION

669

WHITE HORSE CREEK—Sec. 5-13-29 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	6	8	11	13	17	14	9	4	1	0	0
2	5	6	8	11	14	17	14	9	4	1	0	0
3	5	6	8	11	14	17	14	9	4	1	0	0
4	5	6	8	11	14	17	14	8	3	1	0	0
5	5	6	8	11	14	17	14	8	3	1	0	0
6	5	6	8	11	15	17	14	8	3	1	0	0
7	5	6	8	11	15	17	13	8	3	1	0	0
8	5	6	8	11	15	17	13	8	3	1	0	0
9	5	6	8	11	15	17	13	8	3	0	0	0
10	5	6	8	11	15	17	13	7	3	0	0	0
11	5	6	8	11	15	17	13	7	3	0	0	0
12	5	6	8	12	16	17	12	7	3	0	0	0
13	5	6	8	12	16	17	12	7	2	0	0	0
14	5	6	9	12	16	17	12	7	2	0	0	0
15	5	6	9	12	16	17	12	7	2	0	0	0
16	5	6	9	12	16	17	12	6	2	0	0	0
17	5	6	9	12	16	17	11	6	2	0	0	0
18	5	6	9	12	16	17	11	6	2	0	0	0
19	5	6	9	12	17	17	11	6	2	0	0	0
20	5	6	9	12	17	17	11	6	2	0	0	0
21	5	6	9	12	17	17	11	6	2	0	0	1
22	5	6	9	12	17	17	10	6	2	0	0	1
23	5	6	10	12	17	17	10	6	2	0	0	1
24	5	6	10	12	17	17	10	6	1	0	0	1
25	5	6	10	13	17	17	10	5	1	0	0	1
26	5	6	10	13	17	16	10	5	1	0	0	1
27	5	6	10	13	17	16	10	5	1	0	0	1
28	5	6	10	13	17	16	9	5	1	0	0	1
29	5	6	10	13	17	15	9	5	1	0	0	1
30	5	6	11	13	....	15	9	4	1	0	0	1
31	5	....	11	13	....	15	....	4	....	0	0	....
Mean	5	6	9	12	15	17	12	7	2	0	0	0
Max.	5	6	11	13	17	17	14	9	4	1	0	1
Min.	5	6	8	11	13	15	9	4	1	0	0	0
A.F.	308	357	569	730	908	1027	696	405	135	16	0	20

Total acre-feet 5171.

WHITE RIVER AT CRAWFORD—Sec. 9-31-52 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	17	18	21	21	22	21	23	15	11	6.9	8.0
2	12	17	19	21	20	21	22	22	14	13	152	8.2
3	14	17	20	21	19	21	22	22	15	13	74	7.4
4	12	17	19	20	20	21	22	20	18	12	10	19
5	12	17	19	18	21	21	21	20	18	11	8.9	7.7
6	12	17	19	18	21	23	21	20	17	10	7.4	8.0
7	12	17	19	18	16	22	21	20	16	9.1	7.2	8.0
8	13	17	19	18	19	22	22	20	16	8.4	6.9	8.0
9	19	18	19	21	20	22	23	20	16	8.0	6.6	8.6
10	16	17	19	21	21	21	30	19	16	8.2	6.6	11
11	15	16	19	20	22	22	29	20	16	8.2	6.6	11
12	15	16	19	18	21	22	29	20	14	8.0	6.4	9.5
13	15	16	18	19	16	21	24	20	14	8.4	6.6	9.5
14	16	16	19	19	19	18	22	19	13	7.9	6.9	8.7
15	16	16	19	19	20	16	22	20	13	7.9	10	8.2
16	16	16	19	22	18	23	36	20	13	8.4	11	9.1
17	16	16	19	22	15	25	30	20	12	7.9	7.4	8.4
18	16	16	19	16	14	24	27	19	12	7.9	7.1	8.4
19	16	16	19	12	21	23	25	19	12	7.9	11	8.6
20	16	16	19	12	18	23	23	18	11	7.2	9.5	9.6
21	16	17	19	14	18	22	23	18	12	7.1	9.3	11
22	16	17	20	16	13	22	23	18	12	7.1	7.6	10
23	16	17	21	18	18	22	23	18	12	6.9	7.6	10
24	16	17	12	16	16	22	23	17	12	6.8	9.3	10
25	16	17	11	12	23	22	24	17	12	6.4	9.3	17
26	16	16	10	12	31	22	24	17	11	6.4	9.8	12
27	17	16	10	18	29	22	23	16	11	6.6	11	11
28	16	16	19	20	26	24	30	16	11	6.9	9.8	11
29	16	16	20	23	24	22	25	16	10	6.9	8.7	11
30	17	17	22	22	....	22	27	16	10	6.9	8.7	12
31	17	....	23	21	....	21	....	16	....	7.1	8.7	....
Mean	15	17	18	18	20	22	25	19	13	8.3	15.1	10.0
Max.	19	18	23	23	31	25	36	23	18	13	152	19
Min.	12	16	10	12	13	16	21	16	10	6.4	6.4	7.4
A.F.	934	986	1120	1130	1150	1340	1470	1160	801	513	930	595

Total acre-feet 12130.

REPORT OF THE STATE ENGINEER

WHITE RIVER NEAR CHADRON—Sec. 18-33-49 W.

Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.0	6.5	6.5	7	11	90	11	166	4.7	3.5	0.4	5.3
2	2.2	5.8	7.8	6.5	11	149	11	37	6.3	3.4	.1	5.0
3	2.9	6.1	7.3	6	11	129	11	20	8	4.4	52	4.4
4	2.4	5.5	5.7	6	11	121	11	17	7.7	6.5	25	4.0
5	4.7	5.7	7.2	5.5	11	111	11	15	7.3	7.2	10	2.5
6	5.0	5.8	9.2	4	9.9	104	11	14	6.6	7.5	5.5	468
7	4.2	5.5	7.7	4	9	95	10	13	6.6	4.6	3.6	153
8	4.1	3.2	6.3	4.5	9	88	11	12	134	1.7	2.5	11
9	5.7	2.8	5.2	5.5	10	81	16	11	158	1.4	2.1	5.2
10	30	3.2	4.9	6	11	62	46	10	12	.6	1.9	6.0
11	15	3.2	4.4	7	12	64	104	9	7.8	.4	1.8	10
12	8.2	4.4	4.6	5.5	11	57	20	8	5.3	.1	.7	7.8
13	5.2	3.8	6.1	5	12	71	18	14	3.8	.2	.5	5.3
14	2.8	3.6	13	5.5	12	64	20	13	3.2	1.0	1.5	4.4
15	2.5	3.6	12	6	13	78	20	12	3.1	.5	4.5	3.8
16	3.2	4.4	9.2	6.5	12	143	164	12	2.8	3.5	7.5	4.9
17	2.4	5.7	10	4.3	11	83	188	12	2.4	7.5	6	7.5
18	2.8	6.1	9.5	3.5	13	78	299	11	2.6	7.3	5	2.1
19	3.6	6.1	9	3.5	14	31	164	11	2.5	6.8	7.5	1.4
20	3.4	6.8	8.5	3.5	14	17	44	11	2.1	3.8	6.5	.8
21	4.0	7.8	8.5	4	13	15	24	9.5	2.5	1.3	5.5	.5
22	4.1	7.5	8	4	13	14	18	5	2.1	.7	5	.2
23	2.2	6.1	7	4	14	12	16	2.5	2.8	1.0	5	.0
24	2.9	7.3	5.5	2.5	16	12	16	2.5	5.3	1.1	5	.0
25	3.5	8.0	4.5	2.5	20	11	22	3.5	6.1	.4	5.5	.0
26	4.6	7.5	3.5	3	24	11	42	5	5.7	.2	6	1.9
27	4.4	5.5	3.5	5.5	34	11	33	6	5.3	.4	7	4.6
28	4.2	5.7	6	8.5	46	11	210	6	6.1	.3	6.5	2.5
29	4.1	7.5	8	11	60	11	209	6.0	5.7	.0	6.5	3.2
30	4.7	9.0	8.5	12	....	12	74	5.7	4.1	.0	5.8	23
31	5.0	....	9	12	....	12	....	5.2	....	.2	5.5	....
Mean	5.1	5.7	7.3	5.6	16.1	60	62	15.6	14.4	2.5	6.7	24.9
Max.	30.0	9.0	13	12	60	149	299	166	158	7.5	52	468
Min.	2.2	2.8	3.5	2.5	9	11	10	2.5	2.1	.0	.1	.0
A.F.	314	337	448	346	928	3670	3680	962	858	154	412	1480

Total acre-feet 13550.

WHITE TAIL CREEK—Sec. 36-15-38 W.

Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	28	28	26	27	28	28	27	22	24	19	27
2	27	28	28	26	27	27	28	27	21	25	19	27
3	27	28	28	26	27	26	28	27	20	25	19	27
4	27	28	28	26	27	26	28	27	22	22	19	26
5	27	28	28	27	27	26	28	30	23	22	20	26
6	27	28	28	27	27	26	28	30	29	23	22	26
7	27	28	27	27	27	26	30	30	55	23	22	26
8	27	28	27	27	27	26	29	26	22	22	23	25
9	27	28	27	27	27	26	28	26	20	22	23	25
10	27	28	27	28	27	26	29	24	23	21	23	25
11	27	28	27	28	27	28	30	25	22	19	23	25
12	27	28	27	28	27	28	28	26	22	16	23	25
13	27	28	27	27	27	28	28	27	17	16	23	25
14	27	28	27	27	27	28	28	27	17	16	24	25
15	27	28	27	27	27	28	28	26	17	17	24	27
16	27	28	27	27	26	28	30	27	17	17	24	27
17	27	28	27	27	26	28	30	26	15	17	24	26
18	27	28	27	27	26	28	30	33	16	16	21	26
19	27	28	27	27	26	28	28	30	21	19	29	26
20	27	28	26	27	26	28	28	27	22	19	26	26
21	27	28	26	27	26	28	28	28	21	23	26	26
22	27	28	26	27	26	28	28	27	26	20	26	26
23	27	28	25	27	26	30	28	26	28	19	26	26
24	27	28	24	27	26	30	28	27	28	19	24	26
25	27	29	24	27	26	30	28	27	26	19	23	26
26	27	29	24	27	26	30	28	26	27	18	24	26
27	27	29	25	27	26	30	28	22	28	16	25	26
28	27	29	25	27	26	28	30	22	27	19	26	26
29	27	29	25	27	26	28	28	22	27	19	27	26
30	27	29	25	27	....	28	27	27	27	18	26	26
31	27	....	25	27	....	28	....	24	....	19	26	....
Mean	27	28	26	27	27	28	26	27	23	20	24	25
Max.	27	29	28	28	27	30	30	33	55	23	29	27
Min.	27	28	25	26	26	26	27	22	15	16	19	25
A.F.	1660	1678	1624	1658	1525	1708	1684	1638	1404	1214	1452	1543

Total acre-feet 18788.

DEPARTMENT OF ROADS AND IRRIGATION

671

WINTERS CREEK--Sec. 30-22-54 W.
Year Ending September 30, 1940

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	110	66	66	61	58	51	46	45	17	55	9.1	46
2	94	65	63	60	57	51	47	44	15	45	8.8	26
3	94	64	62	60	56	51	46	41	18	44	24	31
4	96	63	64	59	56	51	46	44	24	65	25	48
5	91	62	63	59	55	51	46	43	98	52	16	56
6	92	62	61	58	55	50	46	42	98	44	18	53
7	91	61	61	59	58	49	48	42	79	55	17	51
8	94	61	59	58	56	49	45	42	69	25	16	48
9	113	61	60	58	56	49	45	42	67	21	27	51
10	85	58	60	59	57	49	46	42	69	17	27	58
11	76	62	61	59	57	51	46	43	64	19	15	51
12	69	66	61	59	57	50	46	43	51	20	18	56
13	69	65	63	58	57	49	46	43	61	22	12	58
14	70	64	64	58	57	50	46	42	57	21	9.1	61
15	72	65	65	58	56	51	46	43	50	32	5.5	58
16	73	66	65	58	56	50	49	37	42	45	7.6	54
17	76	61	66	58	56	50	48	22	20	44	6.3	47
18	80	64	64	58	56	51	46	20	6.1	40	6.6	56
19	84	65	62	57	56	50	46	20	9.4	53	13	60
20	87	65	63	56	57	51	45	9.4	11	48	13	54
21	84	68	63	56	56	51	44	4.4	7.6	51	18	53
22	73	65	62	56	55	50	45	8.2	11	22	20	53
23	67	64	61	56	54	50	44	12	13	16	24	58
24	69	65	61	56	54	50	44	5.9	13	12	28	75
25	73	65	61	56	54	50	44	5.5	13	14	37	64
26	79	55	62	56	53	50	44	17	10	44	30	63
27	73	55	61	56	52	50	44	14	5.5	54	28	65
28	72	57	60	58	52	50	53	9.1	6.8	55	24	68
29	73	58	60	58	51	48	46	9.1	16	54	19	69
30	69	67	61	58	....	48	46	25	33	27	17	67
31	67	....	61	58	....	46	....	19	....	11	31	....
Mean	81.1	62.8	62.1	57.9	55.5	49.9	46.0	28.4	35.1	36.4	18.4	55.3
Max.	113	68	66	61	58	51	53	45	98	65	37	75
Min.	67	55	59	56	51	46	44	4.4	5.5	11	5.5	26
A.F.	4990	3740	3820	3560	3190	3070	2740	1750	2090	2240	1130	3290
Total acre-feet	35610.											

SUMMARY
NET ANNUAL DIVERSIONS IN ACRE-FEET BY PROJECTS
North Platte and Platte River Basins
Wyoming-Nebraska Line to Odessa, Nebraska

Project	Year Ending September 30, 1939			Year Ending September 30, 1940		
	Acreage	Water	Acre-ft.	Acreage	Water	Acre-ft.
	Reported	Diverted	Per Acre	Reported	Diverted	Per Acre
Alfalfa (1).....	3092	4427	1.43	3058	6856	2.24
Alliance (2).....	6168	13400	2.17	6128	10045	1.64
Barber	775	1342	1.73	855	815	.95
Beaucamp	*	*	*	*	*	*
Beerline (1).....	2050	†1156	.57	2080	†1281	.62
Belmont (2).....	13789	26497	1.92	14111	23181	1.64
Bird Cage	20	46	2.30	*	22	.....
Birdwood (1).....	5582	7378	1.32	5512	9825	1.78
Blue Creek (1).....	2918	6597	2.26	2918	6599	2.26
Browns Creek (1).....	6127	†11883	1.94	6127	†9099	1.48
Castle Rock (1).....	5970	21829	3.66	5951	16287	2.74
Central (1)	2093	†6611	3.16	2094	†4555	2.18
Chimney Rock (1)	5545	†12252	2.19	5732	†8777	1.35
Clear Creek	160	417	2.60	200	376	1.88
Cody-Dillon (1)	4743	5471	1.15	4743	6676	1.41
Court House Rock (1).....	1860	4635	2.48	1472	5633	3.83
Cozad (1)	25190	†29443	1.17	25070	†30834	1.23
Dawson County (1).....	92354	†40987	.44	96771	†82379	.....
Elm Creek (1)	2510	†7967	3.17	5950	†10964	1.84
Empire (1)	1550	2080	1.34	1555	1195	.77
Enterprise (4)	7642	26658	3.49	8047	19838	2.47
Finch	*	*	*	*	*	*
Gatch (1)	65	71	1.09	65	*	*
Gering (2)	14244	†31541	2.21	14216	†26812	1.88
Gothenburg (2)	17820	†37272	2.09	17820	†37301	2.09
Graf (1)	2089	2333	1.12	2058	2730	1.33
Halloway-Phelps	270	38	.14	0	0	.00
Hannah	0	0	.00	0	0	.00
Harper	208	52	.25	208	0	.00
Holcombe (1)	560	210	.37	560	271	.48
Hooper (1)	877	2412	2.74	877	2270	2.58
Janssen	"	*	*	*	*	*
Kearney (2)	4600	.....	.....	4600	.....	.....
Keith-Lincoln (2)	6253	13439	2.15	6250	12001	1.92
Kent-Burke (1)	410	71	.17	410	22	.05
Keystone (1)	2306	306	.11	2784	147	.05
Lamore (1)	0	0	.00	0	0	.00
Last Chance (1)	415	1027	2.44	406	1733	4.30
Lisco (1)	2935	4426	1.51	2936	4930	1.68
Logan	178	250	1.40	*	*	*
Longergan	545	584	1.07	545	174	.32

Note:—Number in parenthesis following project indicates the number of automatic recorders in operation on the project.

*No record.

†Including storage diversions.

SUMMARY
NET ANNUAL DIVERSIONS IN ACRE-FEET BY PROJECTS
North Platte and Platte River Basins
Wyoming-Nebraska Line to Odessa, Nebraska—Concluded

Project	Year Ending September 30, 1939			Year Ending September 30, 1940		
	Acreage Reported	Water Diverted	Acre-ft. Per Acre	Acreage Reported	Water Diverted	Acre-ft. Per Acre
Lyons (1)	2260	466	0.18	2264	104	0.04
McCarthy	70	195	2.78	70	106	1.52
Meredith-Ammer (1).....	892	1332	1.49	981	1158	1.18
Midland-Overland (1)....	2043	1892	.92	1798	1624	.91
Minatare (1)	7181	17294	2.40	7120	18316	2.58
Mitchell (1)	13667	32346	2.37	13841	27080	1.95
Mutual (1)	455	911	2.00	455	455	1.00
Nine Mile (1)	5883	15385	2.62	5878	6103	1.04
Nissen	270	111	.41	*	*	*
North Platte (2)	13506	40528	3.00	13792	42600	3.09
Northport (1)	16109	†53473	3.32	16123	24497	1.52
North River	0	0	.00	0	0	.00
Orchard-Alfalfa (1)	5950	†8660	1.46	5950	13072	2.20
Oshkosh (1)	2846	708	.25	2860	373	.13
Otter Creek	1412	679	.48	1010	44	.02
Paisley (1)	1020	2041	2.00	1072	1838	1.71
Patrick	170	246	1.44	170	82	.48
Paxton-Hershey (1)	7458	15756	2.11	7458	11601	1.55
Phelps County (1)	57500	41552	.72	96559	37931	.40
Radcliffe	*	*	*	*	*	*
Ramshorn (1)	1757	3104	1.77	1848	1119	.60
Round House Rock	121	18	.15	121	52	.43
Rush Creek (1)	569	30	.05	0	0	.00
Schermerhorn	*	*	*	*	*	*
Scripter	175	24	.14	175	20	.11
Sheridan-Wilson (1)	671	1787	2.66	676	1440	2.13
Short Line (1)	2939	5334	1.82	2954	3582	1.21
Signal Bluff (1)	2260	728	.32	1436	478	.33
Six Mile (1)	903	†521	.58	1830	†2848	1.56
Smith-Wheeler	50	201	4.02	85	128	1.51
Soehl	200	42	.21	200	164	.82
Spohn	0	0	.00	0	0	.00
Steamboat	0	0	.00	0	0	.00
Suburban (1)	6665	18254	2.74	6559	20080	3.06
Sutherland (2)	Stor.	257123	.....	Stor.	316060	.....
Thirty-Mile (1)	21452	†53025	2.47	23089	†51856	2.25
Tri-State (3)	66596	†211147	3.17	66276	177825	2.68
Union (1)	1233	2847	2.31	1183	2603	2.20
Winters Creek (2).....	4504	17288	3.84	5345	15688	2.94

Note:—Number in parenthesis following project indicates the number of automatic recorders in operation on the project.

*No record.

†Including Storage diversions.

REPORT OF THE STATE ENGINEER

ABSTRACT OF CLOSING ORDERS AND REQUESTS
ISSUED DURING THE 1939 WATER YEAR

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
5- 3	R. H. Willis ¹	Frank B. Ludden	Diversion Limited	Formal order
5- 4	do	L. C. Bishop ² and C. F. Gleason ³		Requested 950 S. F.
5- 5	do	Frank B. Ludden ⁴	do	Formal order
5- 5	do	Albert McDermott ⁵	Union Canal	Special order
5- 6	do	L. C. Bishop and C. F. Gleason		Requested 1192 S. F.
5- 6	do	Frank B. Ludden	Diversion Limited	Formal order
5- 8	do	do	do	do
5- 8	do	L. C. Bishop and C. F. Gleason		Requested 1336 S. F.
5-10	do	Frank B. Ludden	do	Formal order
5-11	do	do	do	do
5-12	do	A. H. Hamilton ⁶	Jan. 30, 1920	do
5-12	do	Guy Roberts ⁷	do	do
5-12	do	Albert McDermott	do	do
5-12	do	Frank B. Ludden	do	do
5-13	do	do	Diversion Limited	do
5-14	do	A. H. Hamilton	Dec. 22, 1894	do
5-15	do	Guy Roberts	Sept. 19, 1894	Telegram
5-17	A. W. Hall	do	Legal Amount	Formal order
5-17	do	Albert McDermott	do	do
5-17	do	Frank B. Ludden	do	do
5-18	do	do	Diversion Limited	do
5-23	do	do	do	do
5-23	R. H. Willis	L. C. Bishop and C. F. Gleason	Sept. 19, 1904	do
5-25	do	Frank B. Ludden	Diversion Limited	do
6- 1	A. W. Hall	do	do	do
6- 2	do	L. C. Bishop		Rescinding order dated May 23, 1939.
6-12	do	Frank B. Ludden	do	Formal order
6-30	R. H. Willis	do	March 1, 1897	do
6-30	do	L. C. Bishop	do	do
7- 5	do	A. H. Hamilton	do	do
7- 5	do	Guy Roberts	do	do
7- 5	do	Albert McDermott	do	do
7- 8	do	A. H. Hamilton	June 13, 1894	do
7- 8	do	Guy Roberts	do	do
7- 8	do	Albert McDermott	do	do
7- 8	do	Frank B. Ludden	do	do
7-10	A. W. Hall	A. H. Hamilton	Dec. 10, 1893	do
7-10	do	Guy Roberts	do	do
7-10	do	Albert McDermott	do	do
7-10	do	Frank B. Ludden	do	do
7-11	M. S. Dodd	A. H. Hamilton	June 19, 1890	do
7-11	do	Guy Roberts	do	do
7-11	do	Albert McDermott	June 19, 1890	Formal order
7-11	do	Frank B. Ludden	do	do
7-12	R. H. Willis	L. C. Bishop	do	do
7-15	do	A. H. Hamilton	Sept. 11, 1882	do
7-15	do	Guy Roberts	do	do
7-15	do	Albert McDermott	do	do
7-15	do	Frank B. Ludden	do	do
7-19	M. S. Dodd	do	Tri-State Canal	do

**ABSTRACT OF CLOSING ORDERS AND REQUESTS
ISSUED DURING THE 1939 WATER YEAR—Continued**

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
7-21	R. H. Willis	Guy Roberts	July 2, 1888	Formal order
7-21	do	Albert McDermott	do	do
7-21	do	Frank B. Ludden	do	do
7-21	do	A. H. Hamilton	do	do
7-23	do	Guy Roberts	June 19, 1890	do
7-23	do	Albert McDermott	do	do
7-23	do	Frank B. Ludden	do	do
7-24	do	A. H. Hamilton	Dec. 27, 1892	do
7-24	do	Guy Roberts	do	do
7-24	do	Albert McDermott	do	do
7-24	do	Frank B. Ludden	do	do
7-29	do	Guy Roberts		Special order
7-30	do	do	June 21, 1890	Formal order
7-30	do	Albert McDermott	do	do
7-30	do	Frank B. Ludden	do	do
8- 2	M. S. Dodd	Guy Roberts	Febr. 13, 1894	do
8- 2	do	Albert McDermott	do	do
8- 2	do	Frank B. Ludden	do	do
8- 8	do	Guy Roberts	June 10, 1894	do
8- 8	do	Albert McDermott	do	do
8-10	R. H. Willis	Frank B. Ludden		Special order
8-12	do	Guy Roberts	Febr. 13, 1894	Formal order
8-12	do	Albert McDermott	do	do
8-23	A. W. Hall	Guy Roberts	Dec. 27, 1892	do
8-23	do	Albert McDermott	do	do
8-23	do	Frank B. Ludden	do	do
8-26	do	do	do	Special order
8-26	R. H. Willis	Guy Roberts	Dec. 28, 1893	Formal order
8-26	do	Albert McDermott	do	do
8-26	do	Frank B. Ludden	do	do
8-28	do	Mitchell Irrig. Dist.		Special wire
8-30	do	do		do
8-30	do	Dawson County Irrig. Co.		do
9- 7	do	Mitchell Irrig. Dist.		do
9- 8	do	Guy Roberts	Apr. 13, 1894	Formal order
9- 8	do	Albert McDermott	do	do
9- 8	do	Frank B. Ludden	do	do
9-11	do	Albert McDermott	Aug. 15, 1894	do
9-11	do	Frank B. Ludden	do	do
9-13	do	do		Special order
9-14	M. S. Dodd	Albert McDermott	Febr. 15, 1894	Formal order
9-19	do	Albert McDermott	Aug. 15, 1894	Formal order
9-19	do	Frank B. Ludden		Special order
9-26	do	A. H. Hamilton	May 25, 1894	Formal order
9-26	do	Guy Roberts	do	do
9-26	do	Albert McDermott	do	do
9-28	do	Guy Roberts	June 10, 1894	do
9-28	do	Albert McDermott	do	do
9-30	A. W. Hall	Western Irrig. Dist.		Special wire
9-30	R. H. Willis	Beerline Canal Co.		do
9-30	do	Oshkosh Irrig. Dist.		do
9-30	do	Signal-Bluff Canal		do
9-30	do	Paisley Irrig. Dist.		do

**ABSTRACT OF CLOSING ORDERS AND REQUESTS
ISSUED DURING THE 1939 WATER YEAR—Concluded**

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
9-30	R. H. Willis	Lyons Irrig. Dist.		Special wire
9-30	do	Mitchell Irrig. Dist.		do
9-30	do	Cozad Ditch Co.		do
9-30	do	Keystone Irrig. Co.		Special letter
9-30	do	Alfalfa Irrig. Dist.		do

1State official signing the closing order.

2L. C. Bishop, Wyoming State Engineer.

3C. F. Gleason, Superintendent of Power, U. S. Bureau of Reclamation.

4Frank B. Ludden, Water Commissioner, Wyoming-Nebraska State Line to Bridgeport.

5Albert McDermott, Water Commissioner, Bridgeport to Lewellen.

6A. H. Hamilton, Water Commissioner, Brady to Kearney.

7Guy Roberts, Water Commissioner, Lewellen to North Platte.

**ABSTRACT OF CLOSING ORDERS AND REQUESTS
ISSUED DURING THE 1940 WATER YEAR**

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
1939				
10- 5	M. S. Dodd ¹	Lisco Irrig. Dist.		Special letter
10- 5	do	Rush Cr. Irrig. Dist.		do
10- 5	do	Otter Creek Mutual Irrig. Co.		do
10- 5	do	Blue Cr. Irrig. Dist.		do
10- 5	do	Midland-Overland Canal		do
10- 6	do	Gering Irrig. Dist.		Special wire
10- 9	do	do		Special letter
10-11	do	Canal officials east of Bridgeport, Nebraska	June 10, 1894	Special wire effective until Oct. 16
10-24	R. H. Willis	Platte Valley P. P. & Irrigation District		Special wire
10-28	A. W. Hall	do		do
11- 4	R. H. Willis	Thirty Mile Canal Co. Dawson County		do
11- 4	do	Irrig. Co.		do
11- 4	do	Cozad Ditch Co.		do
11- 6	M. S. Dodd	Elm Creek Ditch Co.		do
11- 6	R. H. Willis	Dawson County Irrig. Co.		do
11- 6	do	Thirty Mile Canal Co.		do
11- 6	do	Cozad Ditch Co.		do
11- 9	M. S. Dodd	Elm Creek Ditch Co.		do
11-18	R. H. Willis	do		do
1940				
5-10	do	Frank B. Ludden ² Diversion Limited		Formal order
5-10	do	L. C. Bishop ³ and C. F. Gleason ⁴		Requested 860 S. F.

ABSTRACT OF CLOSING ORDERS AND REQUESTS
ISSUED DURING THE 1940 WATER YEAR—Continued

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
5-13	A. W. Hall	A. H. Hamilton ⁵	Jan. 30, 1920	Formal order
5-13	do	Guy Roberts ⁶	do	do
5-13	do	Albert McDermott ⁷	do	do
5-13	do	Frank B. Ludden	do	do
5-14	do	L. C. Bishop and C. F. Gleason		Requested 975 S. F.
5-14	do	A. H. Hamilton	Dec. 22, 1894	Formal order
5-14	do	Guy Roberts	do	do
5-14	do	Albert McDermott	do	do
5-14	do	Frank B. Ludden	Diversion Limited	do
5-15	do	L. C. Bishop and C. F. Gleason		Requested 1075 S. F.
5-16	do	A. H. Hamilton	June 13, 1894	Formal order
5-16	do	Guy Roberts	do	do
5-16	do	Albert McDermott	do	do
5-16	do	Frank B. Ludden	do	do
5-18	do	do	Diversion Limited	do
5-18	do	L. C. Bishop and C. F. Gleason		Requested additional 75 S. F.
5-24	R. H. Willis	do		Requested 847 S. F.
5-28	A. W. Hall	A. H. Hamilton	Dec. 20, 1893	Formal order
5-28	do	Guy Roberts	do	do
5-28	do	Albert McDermott	do	do
5-28	do	Frank B. Ludden	do	do
5-28	do	do	Reduce Mitchell Canal to 100 S. F.	Special order
5-30	R. H. Willis	L. C. Bishop and C. F. Gleason		Requested 1794 S. F.
6- 3	do	A. H. Hamilton	June 21, 1890	Formal order
6- 3	do	Guy Roberts	do	do
6- 3	do	Albert McDermott	do	do
6- 3	do	L. C. Bishop and C. F. Gleason		Requested 400 S. F.
6- 5	do	A. H. Hamilton	Febr. 13, 1894	Formal order
6- 5	do	Guy Roberts	do	do
6- 5	do	Albert McDermott	do	do
6- 6	do	Guy Roberts	Sept. 20, 1904	do
6- 6	do	Albert McDermott	do	do
6- 6	do	Frank B. Ludden	do	do
6-13	A. W. Hall	L. C. Bishop and C. F. Gleason		Requested 1124 S. F.
6-14	do	Frank B. Ludden	Sept. 19, 1904	Formal order
6-14	do	L. C. Bishop	do	do
6-17	do	A. H. Hamilton	Jan. 30, 1920	do
6-18	do	do	Febr. 15, 1894	do
6-18	do	Guy Roberts	do	do
6-18	do	Albert McDermott	do	do
6-18	do	Frank B. Ludden	do	do
6-18	do	L. C. Bishop and C. F. Gleason		Requested 800 S. F.
6-20	do	A. H. Hamilton	June 21, 1890	Formal order
6-20	do	Guy Roberts	do	do

ABSTRACT OF CLOSING ORDERS AND REQUESTS
ISSUED DURING THE 1940 WATER YEAR—Continued

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
6-20	A. W. Hall	Albert McDermott	June 21, 1890	Formal order
6-20	do	Frank B. Ludden	do	do
6-25	R. H. Willis	A. H. Hamilton	Opening D-645a and D-622	Special order
6-25	do	Guy Roberts	May 23, 1894	East of Sutherland
6-25	do	do	March 29, 1889	West of Sutherland
6-25	do	Albert McDermott	do	Formal order
6-25	do	Frank B. Ludden	do	do
7- 4	A. W. Hall	A. H. Hamilton	do	do
7- 4	do	Guy Roberts	do	do
7- 4	do	Albert McDermott	do	do
7- 4	do	Frank B. Ludden	do	do
7- 5	R. H. Willis	Guy Roberts	June 24, 1890	do
7- 5	do	Frank B. Ludden	do	do
7- 8	do	A. H. Hamilton	Oct. 19, 1890	do
7- 8	do	Guy Roberts	Dec. 4, 1890	West of Keystone
7- 8	do	do	Febr. 3, 1894	Keystone to North Platte
7- 8	do	Albert McDermott	Dec. 4, 1890	Formal order
7- 8	do	Frank B. Ludden	do	do
7- 9	do	Guy Roberts	Dec. 27, 1892	do
7- 9	do	Albert McDermott	do	do
7- 9	do	Frank B. Ludden	do	do
7-12	do	L. C. Bishop		Mitchell Canal, special order
7-14	do	Albert McDermott	April 15, 1894	Formal order
7-14	do	Guy Roberts	do	do
7-16	A. W. Hall	do	May 15, 1890	do
7-16	do	Albert McDermott	do	do
7-16	do	Frank B. Ludden	do	do
7-18	do	Guy Roberts	March 29, 1889	West of Sutherland
7-18	do	Albert McDermott	do	Formal order
7-18	do	Frank B. Ludden	do	do
7-19	do	A. H. Hamilton	Sept. 16, 1894	Special, telegram
7-20	do	do	March 29, 1889	Formal order
7-20	do	Guy Roberts	do	do
7-20	do	Albert McDermott	do	do
7-20	do	Frank B. Ludden	do	do
7-24	do	A. H. Hamilton	June 13, 1894	do
7-24	do	Guy Roberts	do	East of Sutherland
7-25	do	do	Sept. 17, 1887	West of Sutherland
7-25	do	Albert McDermott	do	Formal order
7-25	do	Frank B. Ludden	do	do
7-30	R. H. Willis	Winters Cr. Canal Co		Special wire
7-30	do	Minatare Mutual Canal & Irrig. Co.		do
7-30	do	Guy Roberts	Oct. 19, 1888	West of Sutherland
7-30	do	Frank B. Ludden	do	Formal order
7-31	do	Enterprise Irrig. Dist.		Special wire
7-31	do	Frank B. Ludden	March 29, 1889	Formal order
8- 1	do	Bridgeport Irrig. Dist.		Special letter

ABSTRACT OF CLOSING ORDERS AND REQUESTS
ISSUED DURING THE 1940 WATER YEAR—Concluded

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
8- 1	R. H. Willis	Castle Rock Irrig. Dist.		Special wire
8- 1	do	Guy Roberts	Dec. 20, 1889	West of Sutherland
8- 1	do	Frank B. Ludden	do	Formal order
8- 7	A. W. Hall	Keith-Lincoln Co. Canal		Special wire
8-12	R. H. Willis	Castle Rock Irrig. Dist.		do
8-12	do	Enterprise Irrig. Dist.		do
8-12	do	Bridgeport Irrig. Dist.		Special letter
8-12	do	Guy Roberts	Oct. 19, 1888	West of Sutherland
8-12	do	Albert McDermott	do	Formal order
8-12	do	Frank B. Ludden	do	do
8-13	do	Farmers Irrig. Dist.		Special wire
8-13	do	Winters Cr. Canal Co.		do
8-13	do	Minatare Mutual Canal & Irrig. Co.		do
8-13	do	Albert McDermott	June 1, 1884	Formal order
8-13	do	Guy Roberts	do	West of Sutherland
8-13	do	Frank B. Ludden	do	Formal order
8-14	do	do	Sept. 17, 1887	do
8-15	do	Platte Valley P. P. & Irrig. Dist.		Special wire
8-26	do	do		do
8-29	do	Keith-Lincoln Co. Canal		do
9- 3	do	Platte Valley P. P. & Irrigation Dist.		do
9- 4	A. W. Hall	Guy Roberts	Diversion Limited	do
9-10	R. H. Willis	do	Jan. 21, 1892	Formal order
9-10	do	Albert McDermott	do	do
9-10	do	Frank B. Ludden	do	do
9-15	do	Guy Roberts	Dec. 7, 1893	do
9-15	do	Albert McDermott	do	do
9-15	do	Frank B. Ludden	do	do
9-16	do	Guy Roberts	March 28, 1894	West of Sutherland
9-20	do	do	Aug. 15, 1894	do
9-20	do	Albert McDermott	do	Formal order
9-28	do	do	Dec. 23, 1894	do
9-30	do	Fred Hervert	Febr. 25, 1894	West of North Platte
10-10	do	Office Memorandum	Dec. 14, 1927	Special order

1State official signing the closing order.

2Frank B. Ludden, Water Commissioner, Wyoming-Nebraska State Line to Bridgeport.

3L. C. Bishop, Wyoming State Engineer.

4C. F. Gleason, Superintendent of Power, U. S. Bureau of Reclamation.

5A. H. Hamilton, Water Commissioner, Brady to Kearney.

6Guy Roberts, Water Commissioner, Lewellen to North Platte.

7Albert McDermott, Water Commissioner, Bridgeport to Lewellen.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939

ABERDEEN CANAL								ALFALFA CANAL				
Diverted from Frenchman River								Diverted from North Platte River				
Date	Oct.	May	June	July	Aug.	Sept.		May	June	July	Aug.	Sept.
1	*	*	*	*	*	0		19	44	37	0	0
2	*	*	*	*	*	0		46	48	36	0	0
3	*	*	*	*	*	*		42	46	28	0	0
4	*	*	*	*	*	*		51	27	38	0	0
5	*	*	0	0	*	*		72	19	29	0	0
6	*	*	0	*	0	*		65	17	26	0	0
7	*	*	*	*	*	0		55	11	28	0	0
8	*	*	*	*	*	0		51	8	39	0	5
9	*	0	0	*	*	*		42	4	11	0	0
10	*	*	*	2	*	*		46	17	0	0	0
11	*	*	*	*	*	*		44	17	0	0	0
12	*	*	*	*	*	*		46	17	0	0	0
13	*	*	0	2	0	0		43	14	0	0	0
14	*	*	*	*	*	0		34	18	0	0	0
15	*	*	*	*	*	*		39	26	0	0	0
16	*	2	*	*	*	*		42	28	0	0	0
17	*	*	*	*	*	*		33	25	0	0	0
18	0	*	*	*	*	*		33	18	0	0	0
19	*	*	*	*	*	0		18	48	0	0	0
20	*	*	*	0	0	*		19	31	0	0	0
21	*	3	*	*	*	*		12	28	0	0	0
22	*	*	*	*	*	*		8	27	0	0	0
23	*	*	*	*	*	*		22	33	0	0	0
24	*	*	*	0	*	0		12	7	0	0	0
25	*	*	0	*	*	*		17	38	0	0	0
26	*	*	*	*	*	*		45	21	0	0	0
27	*	*	*	*	0	0		50	14	0	0	0
28	*	0	*	*	*	*		42	45	0	0	0
29	*	*	*	*	*	*		56	42	0	0	0
30	*	*	0	0	*	*		12	57	0	0	0
31	*	*	.....	*	*	.....		19	.....	0	0	.....
Mean	*	*	*	*	*	*		36	26	9	0	0
Max.	*	*	*	*	*	*		72	57	39	0	0
Min.	*	*	*	*	*	*		8	4	0	0	0
A.F.	*	*	*	*	*	*		2311	1577	539	0	0
Area reported 271 acres. Acreage Reported								Area reported 3092 acres.				
*No record.								Water diverted 4427 A. F.				
								Per acre 1.43 A. F.				
								Acreage Reported				
								D-738 3092				
Total 271												

ALLIANCE CANAL							
Diverted from Bayard Sugar Factory Drain							
Date	Oct.	May	June	July	Aug.	Sept.	
1	0	0	25	31	0	0	
2	0	0	28	31	10	0	
3	0	0	22	31	25	1	
4	0	0	23	31	27	0	
5	0	0	25	31	26	2	
6	0	0	26	31	26	3	
7	0	0	21	30	26	2	
8	0	16	23	30	4	1	
9	0	12	22	29	5	0	
10	0	17	24	29	4	0	
11	0	13	25	29	5	0	
12	0	15	28	30	5	0	
13	0	21	22	0	6	0	
14	0	24	24	6	4	0	
15	0	24	24	0	5	0	
16	0	25	0	0	3	0	
17	0	25	0	0	8	0	
18	0	24	0	0	8	0	
19	0	25	0	0	5	0	
20	0	25	27	0	5	0	
21	0	26	30	0	6	0	
22	0	26	27	0	8	0	
23	0	28	24	0	2	9	
24	0	29	29	0	2	19	
25	0	28	29	0	3	18	
26	0	28	29	34	6	12	
27	0	30	29	35	6	13	
28	0	28	29	38	5	11	
29	0	29	29	38	4	0	
30	0	28	31	37	5	0	
31	0	27	.....	10	3	.....
Mean	0	18	22	18	8	3	
Max.	0	30	31	38	27	19	
Min.	0	0	0	0	0	0	
A.F.	0	1136	1339	1100	508	198	
Water diverted 4281 A. F.							

ALLIANCE CANAL							
Diverted from Red Willow Creek							
Oct.	May	June	July	Aug.	Sept.		
14	0	0	39	0	47		
14	0	8	37	17	45		
14	0	26	38	48	38		
14	13	38	40	42	23		
13	16	49	32	43	24		
19	23	42	11	43	6		
18	21	40	14	47	0		
16	13	33	33	34	0		
16	1	27	30	35	21		
15	14	30	23	35	35		
15	24	24	20	36	36		
15	13	18	26	36	35		
15	16	16	7	33	46		
14	9	21	0	31	48		
8	19	17	0	46	47		
0	22	5	0	28	44		
0	13	17	0	42	42		
0	12	19	0	44	39		
0	20	36	0	42	41		
0	25	37	0	42	42		
0	24	23	0	41	45		
0	26	26	0	39	50		
0	26	31	0	40	48		
0	40	32	0	41	48		
0	51	31	33	49	50		
0	52	26	65	28	46		
0	46	19	48	38	43		
0	31	22	49	38	29		
0	30	24	51	40	34		
0	30	32	53	40	35		
0	20	.....	12	63	.....	
15	24	26	21	38	26		
19	52	49	65	63	50		
0	0	0	0	0	0		
Total 271							

Water diverted 9119 A. F.

DEPARTMENT OF ROADS AND IRRIGATION

681

DISCHARGE OF CANALS IN SECOND-FEET, 1939 —Continued

ALLIANCE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
Bayard Sugar Factory Drain.....	0	1136	1339	1100	508	198	4281
Red Willow Creek.....	436	1289	1537	1311	2370	2176	9119
Camp Clark Seep.....	0	0	0	0	0	0	0
Total diverted	436	2425	2876	2411	2878	2374	13400
Area reported 6168 acres.						Acreage Reported	
Water diverted 13400 A. F.						D-874-1035 6168	
Per acre 2.17 A. F.							

ATKINS-POLLY CANAL
Diverted from Lodgepole Creek

Date	Oct.	May	June	July	Aug.	Sept.
1	0	0	3	2	4	2
2	0	0	3	2	3	2
3	0	0	2	2	3	2
4	0	0	2	2	4	2
5	0	0	1	2	4	2
6	0	0	1	2	4	2
7	0	0	1	2	4	2
8	*	0	2	2	4	2
9	*	0	2	2	0	2
10	*	2	2	2	1	2
11	*	2	2	2	1	2
12	*	2	2	2	4	2
13	*	2	2	2	4	2
14	*	2	2	2	4	2
15	*	2	2	1	2	2
16	*	2	2	2	4	2
17	*	1	2	2	4	2
18	*	1	2	2	4	2
19	*	1	2	2	2	2
20	*	1	2	2	2	2
21	*	2	2	2	2	2
22	*	2	2	2	2	2
23	*	2	2	1	2	2
24	*	2	2	2	2	2
25	*	1	2	2	2	2
26	*	2	2	2	1	4
27	*	2	2	2	1	3
28	*	2	2	2	1	3
29	*	2	4	3	1	3
30	*	1	3	2	2	2
31	*	2	.....	2	1	.....
Mean	*	1	2	2	2	2
Max.	*	2	5	3	4	4
Min.	*	0	1	1	0	2
A.F.	*	75	129	127	157	137
Area reported 93 acres.	Acreage Reported					
Water diverted 624 A. F.	A-724 No report					
Per acre 6.70 A. F.	A-897R 8					
*No record.	D-342 55					
	D-344 30					
Total	93					

BARBER CANAL
Diverted from Clear Creek

Date	May	June	July	Aug.	Sept.
1	4	0	6	6	7
2	4	0	6	0	8
3	4	0	0	3	8
4	0	0	7	6	8
5	0	0	9	6	8
6	8	0	7	5	8
7	10	0	6	6	8
8	8	0	6	6	8
9	8	0	6	6	8
10	8	0	5	6	8
11	5	0	6	6	8
12	7	0	6	7	8
13	9	0	0	7	8
14	10	0	0	8	8
15	10	9	0	8	8
16	5	4	0	8	8
17	6	7	0	8	9
18	7	7	0	7	0
19	7	6	0	8	0
20	7	6	0	6	0
21	8	6	0	6	0
22	8	8	0	6	0
23	9	8	0	4	0
24	8	7	0	6	0
25	8	8	0	0	0
26	8	8	5	0	0
27	3	8	5	0	0
28	0	0	5	0	0
29	0	0	5	7	0
30	0	0	5	8	0
31	0	.....	6	7	.....
Mean	6	3	3	5	4
Max.	10	9	9	8	9
Min.	0	0	0	0	0
A.F.	355	186	200	331	270
Area reported 775 acres.	Acreage Reported				
Water diverted 1342 A. F.	D-754 695				
Per acre 1.73 A. F.	A-1111 80				
Total	775				

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

BEERLINE CANAL Diverted from North Platte River and Pathfinder Reservoir						BELMONT CANAL Diverted from North Platte River						
Date	May	June	July	Aug.	Sept.	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	10	6	1	0	94	0	60	75	109	112	104
2	0	0	9	6	0	94	0	58	29	106	115	104
3	0	0	9	7	0	92	0	56	23	110	115	104
4	0	0	10	3	0	92	0	61	18	106	115	104
5	0	0	10	3	0	92	0	69	0	104	108	99
6	0	0	19	2	0	94	0	69	0	78	108	106
7	0	0	29	4	0	87	0	77	0	31	112	108
8	0	0	24	10	0	32	0	72	0	54	104	102
9	0	0	20	10	0	0	0	47	39	51	108	101
10	0	0	7	9	0	0	0	56	62	65	112	113
11	0	0	10	9	0	0	0	60	61	69	112	113
12	0	0	8	9	0	0	0	60	61	69	110	106
13	0	0	7	8	0	0	0	32	61	71	92	101
14	0	0	8	9	0	0	0	71	67	80	90	101
15	0	0	9	9	0	0	0	78	46	86	95	99
16	0	0	8	7	0	0	0	78	12	67	95	104
17	0	0	8	6	0	0	0	75	21	0	86	108
18	0	0	9	7	0	0	0	88	30	0	92	106
19	0	0	11	6	0	0	0	99	35	0	90	104
20	0	0	8	1	0	0	0	90	33	0	99	104
21	18	0	7	0	0	0	0	99	35	0	108	104
22	18	0	9	0	0	0	0	110	46	0	106	104
23	8	0	7	0	0	0	0	120	49	88	104	110
24	18	0	5	0	0	0	32	106	62	94	108	113
25	18	0	5	0	0	0	49	88	71	94	108	110
26	16	0	4	0	0	0	47	65	67	99	108	113
27	12	0	3	0	0	0	53	108	69	106	106	106
28	12	0	2	0	0	0	53	113	69	112	108	104
29	14	0	2	0	0	0	51	120	99	108	108	104
30	14	0	2	0	0	0	53	120	106	108	106	90
31	13	.....	1	0	.....	0	.....	104	.....	108	102	.....
Mean	6	3	9	4	0	85	11	80	45	70	105	105
Max.	18	10	29	10	0	94	53	120	106	112	115	113
Min.	0	0	1	0	0	0	0	32	0	0	86	90
A.F.	339	20	547	250	0	1343	670	4897	2670	4290	6430	6246

Area reported 2050 acres.

Water diverted 1156 A. F. including storage.

Per acre 0.57 A. F.

Storage diversions 514 A. F.

Acreage Reported
D-887 2050

BELMONT FEEDER Diverted from Cedar Creek						BELMONT CANAL SPILL To Pumpkinseed Creek— Sec. 23-19-50 W.						
Date	Oct.	Apr.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	0	0	9	1	6	9	10	0	0	0	0	0
2	0	0	9	0	6	8	10	0	0	0	0	0
3	4	0	9	0	6	9	10	0	0	0	0	0
4	6	9	9	0	6	9	10	0	0	0	0	0
5	6	0	9	0	6	9	9	0	0	14	0	0
6	6	0	9	0	6	9	8	0	0	0	0	0
7	6	0	9	8	6	9	9	26	0	0	0	0
8	4	0	9	8	6	9	7	24	0	0	0	0
9	0	0	9	9	6	9	6	0	0	0	0	0
10	0	0	9	9	6	8	8	5	26	0	0	0
11	0	0	9	9	6	9	10	0	26	0	0	0
12	0	0	9	9	6	9	10	0	26	0	0	0
13	0	0	7	9	6	9	10	0	0	0	0	0
14	0	0	7	10	6	9	10	0	0	0	0	0
15	0	0	8	10	6	9	10	0	0	0	0	0
16	0	0	9	4	6	9	10	0	0	0	0	.....
17	0	0	9	4	6	9	10	0	0	0	0	0
18	0	0	9	6	0	9	10	0	0	0	0	0
19	0	0	10	6	0	9	10	0	0	0	0	0
20	0	0	9	7	0	9	10	0	0	0	0	0
21	0	0	9	6	0	9	10	21	0	0	0	0
22	0	0	9	6	0	10	10	0	0	0	0	0
23	0	0	7	7	2	11	10	0	0	0	0	6
24	0	0	6	6	6	9	10	0	0	0	0	0
25	0	0	8	4	6	9	10	0	0	0	0	0
26	0	0	8	0	6	8	10	0	0	0	0	0
27	0	0	7	0	9	9	7	0	10	0	0	0
28	0	6	7	2	9	9	8	0	0	0	0	0
29	0	10	7	5	9	9	10	0	0	0	0	0
30	0	9	7	5	9	10	10	0	0	0	0	0
31	0	.....	7	.....	9	11	.....	0	.....	0	0	.....
Mean	1	1	8	5	5	9	9	2	3	5	0	0
Max.	6	10	10	10	9	11	10	26	26	14	0	0
Min.	0	0	6	0	0	8	6	0	0	0	0	0
A.F.	64	50	512	297	333	559	559	141	174	28	0	0

Water diverted 2374 A. F.

Total acre-feet 343.

DEPARTMENT OF ROADS AND IRRIGATION

683

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

BELMONT CANAL
SUMMARY IN ACRE-FEET

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:—								
North Platte River.....	1343	670	4897	2670	4290	6430	6246	26546
Cedar Creek	64	50	512	297	333	559	559	2374
Total diverted	1407	720	5409	2967	4623	6989	6805	28920
Spill into:—								
Pumpkinseed Creek	0	0	141	174	28	0	0	343
Cedar Creek	*	*	*	*	*	*	*	*
Total spill	0	0	141	174	28	0	0	343
Delivered to Empire Canal	85	0	563	151	327	440	514	2080
Net to Belmont.....	1322	720	4705	2642	4268	6549	6291	26497

Area reported 13789 acres.
Net diverted 26497 A. F.
Per acre 1.92 A. F.
*No record.

Acreage Reported
D-828 (O.D. A-1397) 13789

BICKEL CANAL

Date	Diverted from Lodgepole Creek						
	Oct.	May	June	July	Aug.	Sept.	
1	2	0	2	0	2	2	2
2	2	0	2	0	2	2	2
3	2	0	2	0	2	2	2
4	2	0	2	0	2	2	2
5	2	0	2	0	2	2	2
6	2	0	2	0	2	2	2
7	2	0	2	0	2	2	2
8	*	0	2	0	2	2	2
9	*	0	2	0	2	2	2
10	*	0	2	0	2	2	2
11	*	0	2	0	2	2	2
12	*	0	2	0	2	2	2
13	*	0	2	0	2	2	2
14	*	0	2	0	2	2	2
15	*	0	2	0	2	2	2
16	*	0	2	0	2	2	2
17	*	0	2	0	2	2	2
18	*	0	2	0	2	2	2
19	*	0	2	0	2	2	2
20	*	0	2	0	2	2	2
21	*	0	2	0	2	2	2
22	*	0	2	0	2	2	2
23	*	1	2	0	2	2	2
24	*	2	2	0	2	2	2
25	1	2	2	1	2	2	2
26	*	2	2	1	2	3	3
27	*	2	2	1	2	3	3
28	*	2	2	1	2	3	3
29	*	2	0	1	2	3	3
30	*	2	0	2	2	3	3
31	*	2	.....	2	2	.....	.....
Mean	*	0.6	2	2	1	2	.....
Max.	*	2	2	2	2	3	3
Min.	*	0	0	0	0	2	2
A.F.	*	34	111	101	83	129	.....

Area reported 88 acres.
Water diverted—incomplete record—458 A. F.
Per acre 5.20 A. F. Acreage Reported
*No record. A-719 65
D-347 23

Total 88

BIRD CAGE-QUINN CANAL

Date	Diverted from Pumpkinseed Creek						
	Oct.	May	June	July	Aug.	Sept.	
1	*	0	0	0	0	0	0
2	*	0	0	0	0	0	0
3	*	0	0	0	0	0	0
4	*	0	1	0	0	0	0
5	*	0	1	0	0	0	0
6	*	1	1	0	0	0	0
7	*	1	1	0	0	0	0
8	*	1	1	0	0	0	0
9	*	1	1	0	0	0	0
10	*	2	1	0	0	0	0
11	*	2	1	0	0	0	0
12	*	0	1	0	0	0	0
13	*	0	2	0	0	0	0
14	*	0	2	0	0	0	0
15	*	0	2	0	0	0	0
16	*	0	0	0	0	0	0
17	*	0	0	0	0	0	0
18	*	0	0	0	0	0	0
19	*	0	0	0	0	0	0
20	*	0	0	0	0	0	0
21	*	0	0	0	0	0	0
22	*	0	0	0	0	0	0
23	*	0	0	0	0	0	0
24	*	0	0	0	0	0	0
25	*	0	0	0	0	0	0
26	*	0	0	0	0	0	0
27	*	0	0	0	0	0	0
28	*	0	0	0	0	0	0
29	*	0	0	0	0	0	0
30	*	0	0	0	0	0	0
31	*	0	.....	0	0	.....	.....
Mean	*	0.3	0.5	0	0	.....	.....
Max.	*	2	2	0	0	0	0
Min.	*	0	0	0	0	0	0
A.F.	*	16	30	0	0	0	0

No acreage report filed.
Water diverted 46 A. F.
*No record.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

BIRDWOOD CANAL Diverted from Birdwood Creek							BLUE CREEK CANAL Diverted from Blue Creek and Crescent Lake—A-1575				
Date	Oct.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	*	6	17	28	34	34	0	2	24	0	33
2	*	12	17	27	41	42	0	2	24	14	33
3	*	12	12	29	35	40	8	0	30	42	35
4	*	13	14	17	42	44	0	2	29	43	35
5	*	13	17	22	40	24	5	5	28	38	35
6	*	10	23	17	40	23	9	7	37	36	37
7	*	10	29	17	28	25	7	6	45	39	34
8	*	17	28	13	18	28	5	9	39	33	29
9	*	13	32	14	15	35	5	20	38	33	26
10	*	15	40	23	17	37	15	20	36	37	21
11	*	15	44	26	19	38	2	22	33	39	21
12	*	14	47	30	26	25	4	35	16	40	25
13	*	17	25	0	28	27	3	31	0	37	32
14	*	5	15	0	29	35	3	18	0	38	26
15	*	12	17	1	28	37	2	36	0	36	35
16	*	19	23	0	38	31	4	37	0	40	32
17	*	19	18	0	23	23	13	36	0	37	31
18	*	21	14	0	31	24	27	36	0	36	32
19	*	26	19	0	31	31	39	35	0	38	32
20	*	25	22	0	37	28	39	39	0	39	33
21	*	9	22	0	41	39	0	40	0	38	33
22	*	5	25	7	44	44	6	41	0	37	32
23	*	5	28	25	30	40	32	40	0	37	31
24	*	14	32	32	26	33	37	40	0	13	31
25	*	22	37	26	28	39	34	21	0	0	31
26	*	30	37	35	28	44	21	26	0	0	39
27	*	16	27	45	28	36	9	18	0	0	34
28	*	14	22	42	28	28	5	27	0	18	29
29	*	7	22	40	33	28	9	22	0	21	28
30	*	5	27	42	39	28	16	23	0	26	33
31	*	5	....	35	34	....	17	....	0	32	....
Mean	*	14	25	19	31	33	12	23	12	30	32
Max.	*	30	47	45	44	44	39	41	45	43	39
Min.	*	5	12	0	15	23	0	0	0	0	24
A. F.	*	845	1491	1176	1902	1964	746	1392	752	1819	1888
Area reported		5582	acres.		Acreege Reported		Area reported	2918	acres.		
Water diverted		7378	A. F.		D-646	5582	Water diverted	6597	A. F.		
Per acre		1.32	A. F.				Per acre	2.26	A. F.		
*No record.							No diversions from Crescent Lake.				
							Acreege Reported				
							A-1154 30				
							D-795 339				
							D-785 2549				
							Total 2918				

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

BROWNS CREEK CANAL							CASTLE ROCK CANAL					
Diverted from North Platte River and							Diverted from North Platte River					
Date	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.
1	36	0	19	44	68	57	53	27	94	77	77	92
2	32	0	17	42	68	52	55	29	89	75	74	81
3	32	0	6	41	46	59	56	30	69	79	71	78
4	31	0	0	45	41	68	57	33	65	80	76	87
5	16	0	0	50	35	53	50	21	68	84	80	91
6	23	0	0	57	38	59	43	42	63	84	82	88
7	24	0	0	27	69	66	48	48	76	79	75	76
8	25	0	0	16	72	57	31	67	76	62	64	94
9	24	0	0	16	70	50	17	58	102	55	65	87
10	21	0	0	5	67	54	18	73	87	53	65	75
11	23	0	0	0	68	54	23	67	84	77	84	66
12	26	0	0	0	66	47	26	80	87	81	82	61
13	27	0	0	0	66	52	29	80	84	79	75	59
14	24	0	0	0	65	58	30	85	83	85	78	61
15	23	0	0	0	62	57	30	79	84	86	92	62
16	24	0	19	47	61	53	27	65	63	80	87	65
17	8	38	0	56	60	53	17	72	53	19	80	65
18	6	7	0	49	75	56	12	67	54	22	83	64
19	4	7	0	49	64	61	5	56	47	87	91	63
20	2	10	0	44	54	60	0	73	46	86	89	60
21	0	16	22	47	57	59	0	85	38	85	87	64
22	0	44	29	51	56	58	0	89	46	79	85	69
23	0	50	29	45	54	53	0	86	43	87	80	71
24	0	56	27	46	48	51	0	86	39	87	82	71
25	0	39	25	74	49	52	0	88	39	89	78	71
26	0	28	31	77	62	54	0	88	62	87	87	71
27	0	28	22	53	66	57	0	89	78	84	92	60
28	0	28	22	55	70	57	0	88	80	80	85	59
29	0	23	41	56	70	47	0	89	86	79	79	61
30	0	24	43	56	68	50	0	96	84	80	84	61
31	0	41	....	67	65	....	0	96	....	80	87	....
Mean	14	14	12	39	61	55	20	69	69	76	80	71
Max.	36	56	43	77	75	68	57	96	102	89	92	94
Min.	0	0	0	0	35	47	0	21	38	19	64	59
A.F.	875	871	698	2410	3729	3300	1243	4229	4104	4655	4951	4231

Area reported 6127 acres.

Water diverted 11883 A. F.

including storage.

Per acre 1.94 A. F.

Storage diversions 2090 A. F.

Acreage Reported
D-857-1033 6127

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

CASTLE ROCK CANAL SPILL, To North Platte River—Sec. 34-21-53 W.							
Date	Oct.	May	June	July	Aug.	Sept.	
1	4	0	30	0	0	0	0
2	4	0	18	0	0	0	0
3	1	0	22	0	0	0	0
4	4	0	20	0	0	0	0
5	4	0	20	0	0	0	0
6	4	0	20	0	0	0	0
7	0	11	15	0	13	0	0
8	0	23	5	0	7	1	0
9	0	5	3	3	7	0	0
10	0	1	5	0	8	22	0
11	0	0	5	0	0	7	0
12	0	1	8	5	8	11	0
13	0	3	8	0	2	8	0
14	0	3	11	0	0	8	0
15	0	11	5	0	0	0	0
16	2	0	1	0	0	0	0
17	4	0	20	0	0	3	0
18	6	0	0	0	0	2	0
19	8	0	22	0	1	30	0
20	3	0	30	0	0	18	0
21	0	0	7	0	0	18	0
22	0	0	11	0	0	17	0
23	0	0	11	0	0	18	0
24	0	0	11	0	0	18	0
25	0	3	11	0	0	19	0
26	0	0	9	0	0	22	0
27	0	11	15	0	0	11	0
28	0	0	0	0	0	14	0
29	0	0	2	0	0	14	0
30	0	0	2	0	0	18	0
31	0	0	....	0	0	....	0
Mean	1	1	11	0.3	1	9	0
Max.	8	23	30	5	13	30	0
Min.	0	0	0	0	0	0	0
A.F.	93	143	688	16	91	553	0
Total acre feet 1584.							

CASTLE ROCK CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River	1243	4229	4104	4655	4951	4231	23413
Returned through spillway.....	93	143	688	16	91	553	1584
Net diverted	1150	4086	3416	4639	4860	3678	21829
Area reported 5970 acres.							
Net diverted 21829 A. F.							
Per acre 3.66 A. F.							
					Acreage Reported	D-921	5970

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

CENTRAL CANAL Diverted from North Platte River and Pathfinder Reservoir							CENTRAL CANAL SPILL To North Platte River— Sec. 4-21-54 W.				
Date	Oct.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	20	0	28	24	19	24	0	0	2	1	0
2	23	0	30	27	19	27	0	0	4	0	0
3	27	0	28	24	23	28	0	0	2	0	0
4	25	0	26	26	24	24	0	0	7	0	0
5	25	0	26	22	21	23	0	0	2	0	0
6	21	14	28	22	23	24	0	0	0	0	1
7	22	18	24	13	25	23	16	0	5	0	1
8	21	26	23	2	26	24	1	1	0	0	1
9	23	24	23	13	24	23	0	2	0	4	5
10	25	13	28	18	22	23	0	5	0	5	0
11	15	13	30	16	22	22	0	2	0	5	0
12	0	21	31	13	23	22	0	2	0	0	0
13	0	30	26	15	23	23	0	5	0	0	0
14	0	35	22	17	19	24	0	8	0	0	4
15	0	34	18	16	21	25	0	0	0	0	3
16	0	24	19	17	23	22	0	0	0	0	2
17	0	23	13	18	20	24	0	0	0	0	2
18	0	21	11	18	25	24	0	0	0	1	3
19	0	23	9	17	23	24	0	0	0	1	1
20	0	26	9	20	24	24	0	0	0	0	4
21	0	30	9	23	22	22	0	0	0	0	3
22	0	26	10	22	21	23	0	0	0	0	1
23	0	26	9	24	22	13	0	0	0	0	0
24	0	32	14	24	23	4	0	0	0	0	0
25	0	26	13	22	24	22	0	0	0	0	2
26	0	26	19	20	23	22	0	0	0	0	1
27	0	17	24	22	23	19	0	3	0	0	1
28	0	23	24	19	23	22	0	1	3	0	0
29	0	24	28	18	24	21	0	0	5	0	0
30	0	26	27	22	24	22	0	4	0	1	2
31	0	30	.....	21	24	.....	0	.....	3	0	.....
Mean	8	20	21	19	23	22	0.5	1	1	0.5	1
Max.	27	35	31	27	26	28	16	8	7	5	5
Min.	0	0	9	2	19	4	0	0	0	0	0
A.F.	490	1251	1248	1180	1392	1323	34	65	65	36	73
Water diverted	6884 A. F.						Total acre-feet 273.				

CENTRAL CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River.....	490	1251	1248	1180	1392	1323	6884
Returned through spillway.....	0	34	65	65	36	73	273
Net diverted	490	1217	1183	1115	1356	1250	6611
Area reported 2093 acres.							Acreage Reported
Net diverted 6611 A. F. including storage.							D-926 2093
Per acre 3.16 A. F.							
Storage diverted 770 A. F.							

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1930—Continued

CHAMPION CANAL												
Diverted from Frenchman River												
Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	*	*	0
2	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	2	17	*	*
6	*	*	*	*	*	*	*	*	0	*	18	*
7	*	*	*	*	0	*	*	*	*	*	*	0
8	*	*	*	*	*	*	*	6	*	*	28	*
9	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	14	*	*
11	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	21	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	0	0	0	0
14	*	*	*	*	*	*	*	*	*	*	0	4
15	*	*	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	13	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*	*
18	14	*	*	*	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	23	*	*	*	*	0
20	*	*	*	*	*	*	*	*	*	0	0	*
21	*	*	*	*	*	*	29	*	18	*	*	*
22	*	*	*	*	*	*	*	*	*	*	*	*
23	*	*	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*	*	*	0	0	0
25	*	*	*	*	*	*	*	*	0	*	*	*
26	*	*	*	*	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	*	0	0	0	0
28	*	*	*	*	7	*	*	12	*	*	*	*
29	*	14	*	*	....	*	*	*	*	*	*	*
30	*	*	*	*	....	*	*	*	0	0	*	*
31	*	....	*	*	....	*	....	*	*	*	*	*
Mean	*	*	*	*	....	*	*	....	*	*	*	....
Max.	*	*	*	*	*	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*	*	*	*	*	*
A.F.	*	*	*	*	*	*	*	*	*	*	*	*

Water diverted—incomplete record.
*No record.

Areage Reported
D-47 1207
A-1108 Storage
A-1160 Supplemental
to Kilpatrick
Reservoir

CHIMNEY ROCK CANAL
Diverted from North Platte River
and Pathfinder Reservoir

CHIMNEY ROCK CANAL												
SPILL NO. 1												
To North Platte River—												
Sec. 14-20-52 W.												
Date	Oct.	Nov.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	7	2	0	62	54	45	70	0	0	1	15	4
2	7	1	0	59	49	46	48	0	0	1	3	4
3	7	0	0	57	54	57	43	0	0	0	3	2
4	7	0	0	55	39	56	39	0	0	0	3	4
5	14	0	0	57	37	49	45	0	0	1	2	3
6	15	0	0	46	23	50	46	0	0	2	2	5
7	16	0	0	62	10	54	45	0	1	0	2	2
8	15	0	5	56	14	29	40	0	0	0	4	5
9	12	0	17	55	32	31	37	0	1	2	3	2
10	11	0	17	56	17	27	40	0	0	1	3	7
11	12	0	16	62	20	20	39	2	0	1	1	4
12	15	0	10	44	23	23	40	0	0	0	1	3
13	13	0	33	42	0	25	40	1	0	0	2	2
14	10	0	28	59	0	36	37	1	0	0	4	4
15	16	0	35	52	12	42	31	0	1	0	2	4
16	10	0	32	24	36	49	27	5	1	0	1	2
17	1	0	22	32	47	44	27	1	0	1	1	2
18	2	0	53	20	48	49	28	2	0	2	1	2
19	2	0	55	27	56	55	33	2	0	1	2	2
20	1	0	59	31	52	61	31	1	0	2	2	1
21	1	0	63	27	48	54	40	3	2	1	1	2
22	1	0	56	36	47	52	41	1	2	0	2	1
23	1	0	56	32	48	57	45	2	3	1	2	1
24	2	0	52	29	55	55	31	2	2	1	3	1
25	3	0	57	31	61	75	38	0	2	0	4	2
26	5	0	57	37	59	75	37	2	2	1	3	1
27	7	0	54	54	59	55	44	2	2	0	4	1
28	13	0	57	58	56	38	70	2	3	1	4	0
29	6	0	55	51	56	46	41	1	2	2	2	1
30	4	0	59	51	60	60	36	1	2	2	2	1
31	4	....	65	....	52	66	....	1	....	8	....	....
Mean	8	2	33	44	40	48	49	1	1	1	3	2
Max.	16	2	65	62	61	75	70	5	3	8	15	7
Min.	1	0	0	20	0	20	27	0	0	0	1	0
A.F.	476	6	2009	2694	2428	2938	2404	63	52	73	166	153

Water diverted 12955 A. F.

Total acre-feet 507.

DEPARTMENT OF ROADS AND IRRIGATION

689

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

CHIMNEY ROCK CANAL SPILL

NO. 2

To North Platte River—
Sec. 18-20-51 W.

Date	May	June	July	Aug.	Sept.
1	0	0	1	0	0
2	0	0	1	0	0
3	0	0	1	0	0
4	0	0	1	0	0
5	0	0	1	0	2
6	0	0	1	0	2
7	0	0	1	0	2
8	0	0	1	0	2
9	0	5	0	0	2
10	0	5	0	0	2
11	0	5	0	0	2
12	0	5	0	0	2
13	0	2	0	0	2
14	0	1	0	0	1
15	0	0	0	0	1
16	0	0	1	0	1
17	0	0	1	0	1
18	0	0	1	0	1
19	0	0	1	0	1
20	0	0	2	0	1
21	0	4	2	0	1
22	0	9	2	0	1
23	0	2	2	0	1
24	0	1	1	0	1
25	0	0	1	0	1
26	0	0	1	0	1
27	0	0	1	0	1
28	0	0	1	0	1
29	0	0	0	0	1
30	0	0	0	0	1
31	0	....	0	0	....
Mean	0	1	1	0	1
Max.	0	9	2	0	2
Min.	0	0	0	0	0
A.F.	0	77	50	0	69
Total acre-feet	196.				

CHIMNEY ROCK CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	476	6	2009	2694	2428	2938	2404	12955
Returned through:—								
Spillway No. 1	*	*	63	52	73	166	153	507
Spillway No. 2	*	*	0	77	50	0	69	196
Total return	*	*	63	129	123	166	222	703
Net diverted	476	6	1946	2565	2305	2772	2182	12252
Area reported 5545 acres.							Acreage Reported	
Net diverted 12252 A. F. including storage.							D-844-1031	5498
Per acre 2.19 A. F.							A-2190	47
Storage diverted 1580 A. F.								
*No record.							Total	5545

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

CIRCLE ARROW CANAL Diverted from Lodgepole Creek							CLEAR CREEK CANAL Diverted from Clear Creek					
Date	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.
1	0	0	4	3	3	3	*	0	2	0	2	0
2	0	0	4	3	3	3	*	0	0	1	3	1
3	0	0	4	3	3	3	*	0	0	2	3	0
4	0	0	4	3	3	3	*	0	0	0	2	1
5	0	0	3	3	3	3	*	0	1	0	2	0
6	0	0	3	3	3	3	*	0	1	1	2	0
7	0	0	3	3	3	3	*	2	1	2	2	0
8	*2	0	3	3	3	3	*	2	1	2	2	0
9	*2	0	3	3	3	3	*	2	1	2	2	0
10	*2	0	4	3	3	3	*	2	1	3	2	0
11	*1	0	4	3	3	3	*	5	1	2	2	0
12	*1	0	3	3	3	3	*	3	1	2	1	0
13	*1	0	4	3	3	3	*	2	1	3	1	0
14	*1	2	3	3	3	3	*	1	0	3	1	0
15	*1	4	4	3	3	3	*	0	0	3	1	0
16	*1	4	4	3	3	3	*	5	2	3	1	0
17	*1	5	4	3	3	3	*	4	1	0	1	0
18	*1	4	4	3	3	3	*	3	1	0	1	1
19	*1	4	3	3	3	3	*	3	2	0	1	0
20	*1	4	4	3	3	3	*	2	3	0	2	0
21	*2	4	4	3	3	3	*	2	3	0	2	0
22	*2	4	4	3	3	3	*	2	0	0	2	0
23	*2	4	4	3	3	3	*	2	0	0	3	0
24	*2	3	3	3	3	3	*	1	0	3	2	3
25	*2	4	3	3	3	3	*	1	0	4	4	3
26	*2	4	3	3	3	3	*	2	0	2	3	3
27	*2	4	3	3	3	3	*	4	0	2	3	3
28	*2	4	3	3	3	3	*	2	0	3	3	3
29	*2	3	4	3	3	3	*	1	0	1	1	3
30	*2	3	4	3	3	3	*	2	1	1	1	3
31	*2	3	.....	3	3	.....	*	2	.....	1	1	.....
Mean	2	2	3	3	3	3	*	2	.....	1	2	.....
Max.	2	5	4	3	3	3	*	5	3	4	4	3
Min.	1	0	3	3	3	3	*	0	0	0	1	0
A.F.	*103	151	212	181	184	178	*	113	48	91	117	48
Area reported 380 acres. Acreage Reported							Area reported 160 acres.					
Water diverted 1012 A. F. D-346 380							Water diverted 417 A. F.					
Per acre 2.65 A. F.							Per acre 2.60 A. F.					
*Estimated.							*No record. Acreage Reported D-748 160					

CODY-DILLON CANAL

Diverted from North Platte River						
Date	Oct.	May	June	July	Aug.	Sept.
1	11	0	6	13	65	36
2	22	0	10	9	31	36
3	18	0	5	8	35	27
4	22	0	6	7	30	29
5	12	0	3	8	32	41
6	9	0	7	8	36	42
7	12	0	17	6	51	42
8	12	0	13	8	59	41
9	6	0	7	19	44	41
10	4	0	6	18	43	43
11	4	0	10	7	42	31
12	3	0	13	0	40	25
13	2	19	15	0	37	23
14	2	20	8	0	41	20
15	0	19	6	0	42	22
16	0	15	4	0	46	20
17	0	13	10	0	34	23
18	0	20	9	0	38	31
19	0	22	14	0	36	28
20	0	22	13	0	37	28
21	0	19	4	0	41	23
22	0	17	2	0	35	4
23	0	17	0	0	39	4
24	0	15	0	0	44	4
25	0	12	0	0	45	3
26	0	14	16	0	38	3
27	0	15	19	0	35	3
28	0	0	25	0	33	3
29	0	0	23	7	36	3
30	0	0	16	23	32	0
31	0	0	.....	26	30	.....
Mean	4	8	10	5	40	23
Max.	22	22	25	26	65	43
Min.	0	0	0	0	30	0
A.F.	276	514	569	331	2434	1347
Area reported 4743 acres. Acreage Reported						
Water diverted 5471 A. F. D-649 4743						
Per acre 1.15 A. F.						

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

COLUMBUS POWER DIVERSION—A-2287

Weir Measurements—Sec 28-17-4 W.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	572	532	290	444	347	612	381	402	999	884	516	1290
2	580	532	344	660	444	596	374	451	740	868	500	1270
3	620	532	446	684	524	588	374	564	660	945	540	1020
4	644	532	589	644	472	564	354	909	676	1040	668	1190
5	652	479	589	852	395	540	374	900	660	999	724	1180
6	652	479	798	796	402	524	360	700	660	788	796	1040
7	652	500	736	644	430	524	451	540	660	828	756	1020
8	588	524	758	636	388	532	540	444	676	876	852	981
9	572	532	631	708	251	500	540	628	708	868	868	981
10	628	532	446	479	334	524	612	884	732	772	844	1060
11	596	516	236	395	437	524	620	945	652	668	936	1010
12	596	500	245	500	479	516	604	844	660	668	868	1010
13	596	479	296	764	516	524	588	458	660	716	684	936
14	596	540	380	532	540	505	620	580	676	764	900	884
15	524	540	422	186	500	416	676	676	668	748	1040	828
16	564	540	470	284	564	338	684	684	660	708	990	796
17	596	524	231	395	564	338	684	676	660	684	936	876
18	564	532	486	493	532	332	692	684	708	692	884	900
19	564	493	508	708	451	275	660	716	732	708	876	945
20	564	479	628	836	458	245	668	796	772	652	1120	963
21	564	556	596	936	451	250	676	788	852	668	1030	936
22	500	508	472	444	472	270	660	892	860	660	945	900
23	508	451	381	612	430	624	628	1090	1040	612	909	918
24	564	402	580	652	465	610	620	1080	972	588	884	900
25	564	564	828	604	516	428	564	1100	884	632	852	963
26	532	524	516	493	548	484	479	1080	860	540	844	1020
27	532	374	52	556	486	638	423	981	981	540	868	1100
28	532	500	67	644	548	582	409	999	1020	548	876	936
29	493	580	208	668	.....	610	395	1050	954	548	954	1080
30	532	498	251	479	.....	458	395	1030	884	548	1110	892
31	532	.....	302	508	.....	367	.....	1030	.....	524	1220	.....
Mean	570	509	444	588	463	463	537	794	777	720	865	994
Max.	652	564	828	936	564	638	692	1100	1040	1040	1220	1290
Min.	493	374	52	186	251	245	354	402	652	524	500	796
A.F.	35200	30290	27340	36170	25670	29430	31940	48800	46270	44000	53140	59160

Total acre-feet 467400.
Discharge computed over skimming weir.

COURT HOUSE ROCK CANAL
Diverted from Pumpkinseed Creek

Date	Oct.	May	June	July	Aug.	Sept.
1	0	0	12	23	9	12
2	0	23	13	23	2	12
3	0	23	12	23	20	12
4	0	24	14	23	13	11
5	0	25	13	21	12	12
6	0	24	14	24	12	11
7	0	23	15	24	13	11
8	0	22	14	16	14	12
9	0	22	17	12	14	11
10	0	21	21	11	14	11
11	5	20	21	10	14	12
12	10	22	20	20	14	12
13	15	24	21	5	15	11
14	18	28	22	0	15	11
15	18	22	22	0	15	11
16	20	21	24	0	15	12
17	21	21	24	0	15	13
18	0	20	21	0	14	13
19	0	16	20	0	14	13
20	0	14	20	0	13	12
21	0	12	36	0	12	13
22	0	12	24	0	12	13
23	0	12	26	0	12	13
24	0	12	23	0	12	13
25	0	12	20	6	12	14
26	0	12	20	13	12	14
27	0	12	23	12	12	14
28	0	12	24	12	12	13
29	0	10	25	12	11	14
30	0	11	25	12	12	14
31	0	10	.....	13	11	.....
Mean	3	17	20	10	13	12
Max.	21	28	36	24	20	14
Min.	0	0	12	0	2	11
A.F.	212	1075	1202	625	787	734

Area reported 1860 acres. Acreage Reported
Water diverted 4635 A. F. D-810-1028 1830
Per acre 2.48 A. F. D-851 30

Total 1860

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

COZAD CANAL												
Diverted from Platte River and Sutherland Reservoir												
Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	93	160	0	0	6	0	63	120	70	0	91	0
2	107	151	0	0	14	0	74	152	62	0	31	0
3	94	141	0	0	6	0	66	189	61	0	1	0
4	104	127	0	0	0	0	61	179	82	0	0	0
5	83	95	0	0	0	0	52	176	81	46	0	0
6	90	67	0	0	0	0	51	168	74	102	0	0
7	112	59	0	0	0	0	50	134	70	102	0	0
8	128	50	0	0	0	0	47	127	94	97	0	0
9	140	54	0	0	0	0	46	122	109	51	0	0
10	170	53	0	8	0	0	50	112	81	0	0	0
11	168	51	0	10	0	0	60	103	41	0	0	0
12	162	50	0	10	0	0	66	103	82	0	0	0
13	170	73	0	10	0	0	62	104	58	0	0	0
14	185	82	0	12	0	0	61	114	66	0	0	0
15	189	88	0	12	0	0	89	62	52	0	0	0
16	170	90	0	12	0	0	91	74	50	58	0	0
17	173	105	0	15	0	0	78	102	55	111	0	0
18	164	109	0	14	0	0	78	119	88	118	0	0
19	163	104	0	14	0	0	79	174	58	118	0	0
20	171	87	0	13	0	16	90	153	63	123	0	0
21	158	94	0	12	0	28	88	142	110	114	0	0
22	183	75	0	12	0	10	87	138	33	113	0	0
23	203	18	0	11	0	10	81	96	39	115	0	0
24	197	0	0	11	0	12	51	35	24	121	0	0
25	208	0	0	10	0	18	70	75	9	114	0	0
26	204	0	0	10	0	44	95	125	71	82	0	0
27	188	0	0	14	0	46	115	108	54	84	0	0
28	180	0	0	10	0	46	126	99	38	111	0	0
29	139	0	0	4	.....	43	116	80	8	127	0	0
30	163	0	0	15	.....	52	125	59	0	102	0	34
31	188	.....	0	10	.....	59	.....	70	.....	91	0	.....
Mean	156	66	0	8	1	12	76	117	59	68	44	31
Max.	208	160	0	15	14	59	126	189	110	127	91	34
Min.	83	0	0	0	0	0	46	35	0	0	0	0
A.F.	1614	3933	0	494	52	762	4505	7168	3537	4165	244	67

Water diverted 34541 A. F.

COZAD CANAL SPILL							
To Dawson County Canal—Sec. 6-10-22 W.							
Date	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	40	10	24	5	0	0
2	0	40	20	14	2	0	0
3	0	40	25	26	1	0	0
4	0	40	30	33	1	0	0
5	0	35	30	24	0	0	0
6	0	35	45	26	0	0	0
7	0	35	45	14	51	0	0
8	0	30	38	9	33	0	0
9	0	30	45	16	32	0	0
10	0	30	45	22	16	0	0
11	0	40	40	23	0	0	0
12	0	40	35	11	0	0	0
13	0	40	35	35	0	0	0
14	0	40	45	21	0	0	0
15	0	40	47	18	0	0	0
16	0	35	15	19	0	0	0
17	0	25	13	4	1	0	0
18	0	20	11	36	1	0	0
19	0	20	12	7	0	0	0
20	0	20	15	1	0	0	0
21	26	15	25	0	0	0	0
22	16	15	23	14	0	0	0
23	12	14	28	3	0	0	0
24	8	13	13	4	0	0	0
25	12	12	3	4	0	0	0
26	30	12	31	2	0	0	0
27	40	10	38	31	0	0	0
28	41	10	34	16	0	0	0
29	39	10	30	9	0	0	0
30	45	10	18	4	0	0	0
31	44	.....	20	.....	0	0	.....
Mean	28	27	28	15	14	0	0
Max.	45	40	47	36	51	0	0
Min.	0	10	3	0	0	0	0
A.F.	609	1579	1714	912	284	0	0

Total acre-feet 5098.

DISCHARGE OF CANALS IN SECOND-FEET, 1930—Continued

COZAD CANAL
SUMMARY IN ACRE-FEET

Month	Diverted from Platte River	Spill to Dawson County Canal	Net Diverted
October	9614	*	9614
November	3933	*	3933
January	494	*	494
February	52	*	52
March	762	609	153
April	4505	1579	2926
May	7168	1714	5454
June	3537	912	2625
July	4165	284	3881
August	241	0	244
September	67	0	67
Total	34541	5098	29443

Area reported 25190 acres.
 Net diverted 29413 A. F. including storage.
 Per acre 1.17 A. F.
 Storage diverted 3620 A. F.
 *No record.

Acres Reported
 D-626 25190

CULBERTSON CANAL

Diverted from Frenchman River and
 Stinking Water Creek

Date	Oct.	Nov.	May	June	July	Aug.	Sept.	
1	59	78	0	89	44	95	79	
2	70	80	48	88	53	104	87	
3	75	82	59	77	60	88	88	
4	81	76	62	73	59	94	84	
5	46	76	76	76	66	94	75	
6	42	76	80	81	79	88	70	
7	80	76	83	88	88	86	75	
8	78	73	88	88	94	78	80	
9	78	74	90	84	88	92	79	
10	76	74	88	80	82	94	86	
11	76	74	89	77	78	92	84	
12	80	76	86	75	78	86	77	
13	80	76	81	80	76	86	76	
14	75	73	86	76	75	88	74	
15	77	78	87	82	76	88	75	
16	74	82	89	81	80	88	78	
17	76	82	87	84	80	88	80	
18	78	82	81	82	80	88	75	
19	78	82	80	80	84	90	75	
20	82	80	84	59	73	87	82	
21	78	84	90	28	77	92	80	
22	79	45	96	40	84	94	82	
23	79	0	92	69	87	96	80	
24	78	0	90	61	80	92	80	
25	82	0	96	43	75	92	80	
26	84	0	94	27	75	93	85	
27	86	0	95	40	75	89	88	
28	81	0	98	48	82	86	84	
29	83	0	93	48	96	86	84	
30	86	0	94	46	86	85	80	
31	83	....	92	....	92	76	....
Mean	76	56	83	68	78	89	80	
Max.	86	84	98	89	96	104	88	
Min.	42	0	0	27	44	76	74	
A.F.	4687	3330	5084	4066	4772	5504	4764	
Area reported	9403 acres.						Acres Reported	
Water diverted	32207 A. F.						D-24-25-29-30	9403
Per acre	3.42 A. F.							

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

DAWSON COUNTY CANAL
Diverted from Platte River and
Sutherland Reservoir

Date	Oct.	May	June	July	Aug.	Sept.
1	217	0	37	49	212	12
2	206	0	101	98	215	12
3	199	0	76	119	236	12
4	197	0	101	111	267	14
5	175	0	115	111	281	15
6	173	0	79	126	254	16
7	188	0	89	145	261	17
8	180	70	57	100	219	16
9	187	63	70	26	261	16
10	188	53	139	0	234	17
11	208	40	105	0	223	20
12	215	38	88	0	219	31
13	228	100	129	0	168	26
14	241	114	91	0	140	27
15	241	139	108	45	133	39
16	220	151	109	125	96	36
17	200	224	97	171	0	56
18	100	201	48	187	0	57
19	0	142	0	248	0	63
20	0	188	12	288	0	71
21	0	202	71	267	0	76
22	0	251	129	268	0	89
23	0	278	121	273	0	85
24	0	251	117	196	0	91
25	0	160	113	175	0	101
26	0	188	108	209	0	118
27	0	139	161	224	0	143
28	0	132	164	202	0	156
29	0	125	84	198	0	188
30	0	30	105	201	0	166
31	0	0	....	205	12	....
Mean	115	138	97	168	203	60
Max.	241	278	164	273	281	188
Min.	0	0	0	0	0	12
A.F.	7067	6514	5601	8662	6845	3543
Water diverted	38232 A. F.					

DAWSON COUNTY CANAL
SPILL

DAWSON COUNTY CANAL SPILL
To Elm Creek—Sec. 13-9-19 W.

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	9	0	0	0
3	0	0	0	0	0
4	0	0	12	0	0
5	0	0	13	0	0
6	0	0	6	0	0
7	0	0	18	0	0
8	3	0	20	0	0
9	2	0	0	0	0
10	3	15	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	3	0	0	0	0
15	0	0	0	0	0
16	5	0	0	0	0
17	1	0	0	0	0
18	6	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	9	0	0	0	0
23	13	0	0	0	0
24	16	0	0	0	0
25	16	0	0	0	0
26	16	0	0	0	0
27	20	0	0	0	0
28	20	0	0	0	0
29	0	20	0	0	0
30	0	9	0	0	0
31	0	....	0	....	....
Mean	9	2	2	0	0
Max.	20	20	20	0	0
Min.	0	0	0	0	0
A.F.	264	106	137	0	0
Total acre-feet	507.				

To French Creek—
Sec. 1-10-22 W.

May	June	July	Aug.	Sept.
0	0	7	0	0
0	0	0	0	0
0	0	14	0	0
0	5	16	0	0
0	12	14	0	0
0	23	11	0	0
0	5	35	0	0
21	0	32	0	1
10	1	0	0	0
10	32	0	0	0
10	29	0	0	0
14	18	0	0	0
12	52	0	0	0
14	18	0	0	0
11	30	0	1	1
1	9	0	1	0
4	5	1	1	0
1	3	1	0	0
1	1	0	0	0
1	1	0	0	0
4	6	0	0	0
4	57	0	0	0
16	14	0	0	1
10	10	0	0	0
1	22	0	0	1
2	14	0	0	0
5	23	0	0	1
54	60	0	0	1
44	29	0	0	1
3	19	0	0	1
2	....	0	0	....
8	16	4	0.1	0.3
54	60	35	1	1
0	0	0	0	0
506	952	260	6	18
Total acre-feet	1742.			

DEPARTMENT OF ROADS AND IRRIGATION

695

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

DAWSON COUNTY CANAL SPILL
To Strever Creek—Sec. 20-9-20 W.

Date	Aug.
1	9
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	11
11	7
12	7
13	5
14	5
15	7
16	7
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0
Mean	2
Max.	11
Min.	0
A.F.	97

Total acre-feet 97.

DAWSON COUNTY CANAL
SUMMARY IN ACRE-FEET

	Oct.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:—									
Platte River	7067	0	0	6514	5601	8662	6845	3543	38232
Cozad Canal tail spill	*	609	1579	1714	912	284	0	0	5098
Total diverted	7067	609	1579	8228	6513	8946	6845	3543	43330
Spill into:—									
French Creek	*	*	*	506	952	260	6	18	1742
Elm Creek	*	*	*	264	106	137	0	0	507
Strever Creek	*	*	*	*	*	*	94	*	94
Total spill	*	*	*	770	1058	397	100	18	2343
Net diverted	7067	609	1579	7458	5455	8549	6745	3525	40987

Area reported 92354 acres.
Net diverted 40987 A. F. including storage.

Per acre 0.44 A. F.
Storage diverted:—12593 A. F. for Dawson County Canal,
97 A. F. for Elm Creek Canal.

*No record.

Acreage Reported	
D-621R	500
D-622	66210
D-624	345
A-2110	18114
A-2039	5506
A-2093	215
A-2145	896
A-2262	570

Total 92354

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

Date	ELM CREEK CANAL										
	Diverted from Platte River and Sutherland Reservoir										
	Oct.	Nov.	Dec.	Jan.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	35	20	10	0	20	23	3	12	0	0
2	0	35	20	10	0	20	29	12	12	0	0
3	0	35	20	10	0	20	31	10	10	0	0
4	0	35	20	10	0	20	25	9	10	0	0
5	0	35	20	10	0	20	20	8	10	0	0
6	0	35	20	15	0	20	15	8	9	0	0
7	0	35	20	15	0	20	16	12	7	0	0
8	0	35	20	15	0	20	15	7	3	0	0
9	0	35	20	15	0	20	12	6	0	0	0
10	0	35	20	15	0	20	12	15	0	11	0
11	0	35	15	15	0	10	15	12	0	19	0
12	0	35	15	15	0	9	17	10	0	20	0
13	0	35	15	15	0	9	14	10	0	13	0
14	0	35	15	15	0	9	10	10	0	13	0
15	0	35	15	15	0	8	10	11	0	14	0
16	0	35	15	13	0	8	10	11	0	5	0
17	0	35	15	10	0	8	12	10	0	0	0
18	0	35	15	10	0	7	12	9	0	0	0
19	0	37	15	10	0	7	10	7	32	0	0
20	0	38	15	10	0	5	24	4	49	0	0
21	20	37	10	0	20	5	30	15	28	0	0
22	20	15	10	0	20	4	26	14	32	0	0
23	20	5	10	0	20	4	22	13	44	0	0
24	20	5	10	0	20	3	27	11	42	0	0
25	20	5	10	0	20	4	25	13	41	0	0
26	25	5	10	0	20	20	40	12	42	0	0
27	25	25	10	0	20	20	15	8	40	0	0
28	25	25	10	0	20	25	14	12	41	0	0
29	25	25	10	0	20	25	13	14	42	0	0
30	25	25	10	0	20	25	8	13	42	0	0
31	25	....	10	0	20	....	2	....	11	0	....
Mean	23	30	15	13	20	14	18	11	27	14	0
Max.	25	38	20	15	20	25	40	15	49	20	0
Min.	0	5	10	0	0	3	2	3	0	0	0
A.F.	495	1769	912	502	436	823	1099	633	1109	188	0

Area reported 2510 acres.

Water diverted 7967 A. F. including storage

Acreage Reported

A-2104 2510

Per acre 3.17 A. F.

Storage diverted 1152 A. F.

Date	EMPIRE CANAL							ENTERPRISE CANAL						
	Diverted from North Platte River							Diverted from North Platte River						
	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.		
1	5	0	9	12	0	10	75	0	83	85	72	67		
2	5	0	0	13	0	11	97	51	94	86	69	69		
3	5	0	0	13	11	11	72	100	96	89	71	69		
4	5	0	0	13	11	11	61	110	49	91	66	73		
5	6	5	0	13	12	10	56	127	131	83	65	72		
6	7	8	0	11	11	10	54	133	101	91	65	72		
7	7	4	0	0	13	10	42	116	87	87	64	67		
8	3	1	0	1	10	10	35	106	77	81	59	66		
9	0	2	0	0	9	10	30	94	83	67	58	64		
10	0	4	2	2	9	10	31	98	87	80	66	61		
11	0	9	3	2	9	10	26	110	81	77	73	63		
12	0	9	3	0	9	9	23	104	87	83	76	63		
13	0	6	3	0	4	7	23	91	80	91	76	63		
14	0	7	4	0	4	8	23	76	80	77	75	75		
15	0	9	0	0	7	9	26	89	83	71	80	76		
16	0	9	0	0	8	9	25	108	54	78	81	72		
17	0	9	0	0	8	10	24	103	24	33	81	69		
18	0	11	0	0	9	9	33	97	23	49	78	70		
19	0	13	0	0	9	8	33	104	47	98	82	69		
20	0	11	3	0	11	7	33	118	57	87	83	70		
21	0	9	3	0	11	7	0	106	54	81	77	65		
22	0	13	3	0	4	7	0	103	52	94	80	69		
23	0	19	3	0	0	7	0	110	47	89	85	71		
24	0	19	7	0	0	8	0	110	53	86	85	72		
25	0	17	7	9	0	8	0	118	58	90	80	73		
26	0	3	6	13	0	8	0	108	78	89	67	78		
27	0	14	6	16	3	7	0	97	77	91	65	77		
28	0	16	3	15	9	6	0	112	98	87	71	75		
29	0	19	4	16	11	6	0	121	96	93	70	76		
30	0	19	7	16	11	6	0	122	90	83	67	73		
31	0	19	....	0	9	....	0	118	....	76	65	....	
Mean	3	9	2	5	7	8	26	102	74	82	73	70		
Max.	7	19	9	16	13	11	97	133	131	98	85	78		
Min.	0	0	0	0	0	6	0	0	23	83	58	61		
A.F.	85	563	151	327	440	514	1591	6270	4378	5044	4467	4163		

Area reported 1550 acres.

Water diverted 2080 A. F.

Per acre 1.34 A. F.

Acreage reported

A-866 70

D-858 1480

Total 1550

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

ENTERPRISE CANAL Diverted from Stewart and Morrill Drains							ENTERPRISE CANAL Diverted from Wet Spotted Tail Creek				
Date	May	June	July	Aug.	Sept.		May	June	July	Aug.	Sept.
1	0	2	1	1	3		3	9	7	9	10
2	0	2	1	1	3		3	9	7	9	10
3	0	2	1	1	2		3	9	7	9	10
4	0	2	1	2	2		3	9	7	9	10
5	0	2	1	2	2		3	9	7	9	10
6	1	1	2	2	2		3	9	8	10	10
7	1	1	2	2	3		4	10	8	10	10
8	1	1	2	2	3		4	10	8	10	10
9	1	2	2	3	3		4	10	8	10	10
10	1	2	2	3	3		4	10	8	10	10
11	1	2	1	3	4		5	10	9	10	11
12	0	2	1	3	4		5	10	9	10	11
13	0	2	1	3	4		5	11	9	9	11
14	0	3	1	2	4		5	11	9	9	11
15	0	3	1	2	4		6	11	9	9	11
16	1	3	2	3	3		7	10	8	9	11
17	1	4	2	2	3		7	9	8	9	11
18	1	4	2	2	3		7	9	8	9	11
19	1	3	2	3	3		7	8	8	9	11
20	1	2	2	3	3		7	8	8	9	11
21	1	2	2	3	4		7	7	8	9	10
22	1	2	2	3	4		7	7	8	9	10
23	1	2	2	3	4		7	7	8	9	10
24	1	1	2	3	4		7	7	8	9	10
25	1	1	2	2	4		7	7	8	9	10
26	1	1	2	2	3		8	7	8	10	10
27	1	1	2	2	3		8	7	8	10	10
28	1	1	2	2	3		8	7	8	10	10
29	1	1	2	3	3		8	7	8	10	10
30	1	1	2	3	3		8	7	8	10	10
31	1	.....	2	3	.....		3	.....	8	10	.....
Mean	1	2	2	2	3		6	9	8	9	10
Max.	1	4	2	3	4		8	11	9	10	11
Min.	0	1	1	1	2		3	7	7	9	10
A.F.	44	115	103	145	190		353	518	492	579	615
Water diverted	597 A. F.						2557 A. F.				

ENTERPRISE CANAL Diverted from Tub Springs						ENTERPRISE CANAL Diverted from Winters Creek					
Date	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.	
1	0	0	26	34	24	0	4	3	5	5	
2	0	0	4	34	14	0	1	2	5	5	
3	0	0	1	33	7	0	0	4	5	6	
4	3	0	0	33	27	0	4	0	5	5	
5	13	0	1	33	31	1	4	0	5	5	
6	11	0	1	36	33	1	4	0	5	5	
7	0	0	2	0	33	1	4	0	5	5	
8	8	18	3	0	3	2	4	0	5	5	
9	10	15	5	0	0	2	4	0	5	5	
10	16	0	23	0	0	2	4	0	5	5	
11	16	0	33	25	11	2	4	0	5	5	
12	0	0	33	7	4	1	3	1	2	5	
13	0	0	33	0	7	1	4	2	5	5	
14	0	0	32	32	0	1	4	3	5	5	
15	8	0	33	36	0	2	4	3	5	5	
16	18	0	32	33	0	1	9	4	5	5	
17	20	0	32	34	0	1	0	4	5	5	
18	23	2	33	31	0	2	0	4	5	5	
19	23	0	32	34	0	2	0	4	5	4	
20	21	0	29	33	0	2	0	4	5	4	
21	7	0	25	31	0	0	0	4	5	4	
22	19	0	25	31	0	0	0	4	5	4	
23	23	0	33	31	0	0	0	4	5	3	
24	23	21	33	31	0	0	0	4	5	3	
25	23	2	33	31	0	0	0	5	5	3	
26	0	0	31	28	0	4	0	5	5	3	
27	0	0	33	12	0	4	0	5	5	3	
28	0	0	31	29	0	4	0	5	5	3	
29	0	0	33	31	0	3	0	5	5	2	
30	2	16	33	31	0	3	3	6	5	2	
31	0	.....	33	31	.....	4	.....	5	5	.....
Mean	9	2	24	25	6	2	2	3	5	4	
Max.	23	21	34	36	33	4	9	6	5	6	
Min.	0	0	0	0	0	0	0	0	2	2	
A.F.	569	147	1456	1563	385	93	135	170	301	256	
Water diverted	4120 A. F.						955 A. F.				

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

ENTERPRISE CANAL SPILL						ENTERPRISE CANAL SPILL						
To Tub Springs—Sec. 32-23-55 W.						To Winters Creek—Sec. 17-22-54 W.						
Date	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.	
1	0	83	0	0	0	16	0	2	13	1	22	
2	0	13	0	0	0	12	0	15	17	1	17	
3	26	8	0	0	0	16	0	24	20	13	24	
4	0	18	5	0	0	27	23	20	22	7	14	
5	0	13	0	0	0	22	13	22	24	7	15	
6	0	16	0	0	0	28	10	24	17	17	20	
7	10	8	0	5	0	28	7	24	19	18	16	
8	0	0	0	12	0	31	12	24	12	14	30	
9	0	0	0	2	8	28	6	14	20	18	23	
10	0	6	0	1	22	26	8	20	14	22	20	
11	0	14	0	0	0	24	13	20	15	25	21	
12	10	38	0	0	0	22	24	27	8	16	22	
13	11	46	0	5	0	0	24	30	7	15	22	
14	21	49	0	0	3	0	25	22	7	5	26	
15	0	53	0	0	17	0	19	25	2	8	22	
16	0	54	0	0	20	0	13	11	4	2	17	
17	0	6	0	0	25	0	19	1	1	2	31	
18	0	0	0	0	18	0	2	1	0	5	25	
19	0	3	0	0	15	0	8	1	0	12	14	
20	0	34	0	0	10	0	20	12	2	25	9	
21	0	37	0	0	8	0	24	12	4	14	17	
22	0	28	0	0	6	0	8	12	14	5	11	
23	0	2	0	0	22	0	7	17	16	14	19	
24	0	0	0	0	26	0	6	18	16	22	21	
25	0	0	0	0	24	0	19	16	17	20	21	
26	24	11	0	0	52	0	19	17	6	26	21	
27	38	12	0	0	34	0	5	14	10	23	21	
28	40	4	0	0	38	0	12	14	5	14	23	
29	1	8	0	0	55	0	10	20	15	17	16	
30	0	0	0	0	54	0	12	15	14	10	16	
31	25	0	0	0	0	0	14	0	4	20	0	
Mean	7	19	0	1	15	9	12	16	11	14	20	
Max.	40	83	5	12	55	31	25	30	24	26	30	
Min.	0	0	0	0	0	0	0	1	0	1	9	
A. F.	409	1119	10	50	906	555	758	980	684	831	1182	
Total acre-feet	2494.					4990.						

ENTERPRISE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River.....	1591	6270	4378	5044	4467	4163	25913
Morrill and Stewart Drains.....	*	44	115	103	145	190	597
Wet Spotted Tail.....	*	353	518	492	579	615	2557
Tub Springs.....	*	569	147	1456	1563	385	4120
Winters Creek (O.D. A-2409).....	*	93	135	170	301	256	955
Total diverted	1591	7329	5293	7265	7055	5609	34142
Spill into:—							
Tub Springs	*	409	1119	10	50	906	2494
Winters Creek	555	758	980	684	831	1182	4990
Total spill	555	1167	2099	694	881	2088	7484
Net diverted	1036	6162	3194	6571	6174	3521	26658

Area reported 7642 acres.
 Net diverted 26658 A. F.
 Per acre 3.49 A. F.
 *No record.

Acreage Reported
 D-920 7489
 D-920 (O.D. A-2409) 153
 Total 7642

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

FOLLETT-KROTTER CANAL Diverted from Frenchman River							FORT LARAMIE CANAL Diverted from North Platte River, Pathfinder and Guernsey Reservoirs				
Date	Apr.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	0	0	1328	1043	1172	1053
2	*	16	*	*	*	0	0	1144	1039	1137	1070
3	*	*	*	*	*	19	0	608	1038	1115	1076
4	*	*	*	*	*	*	0	385	1030	1096	1081
5	*	*	12	0	*	*	582	922	1013	1057	1069
6	*	*	*	*	*	0	761	1062	1011	1049	1063
7	*	*	*	*	*	0	890	1064	1028	1093	1077
8	*	*	*	*	*	17	924	1039	1028	1025	1070
9	*	11	*	*	*	*	910	1016	1016	968	1030
10	*	*	*	*	16	*	986	1016	1027	976	1011
11	*	*	*	*	0	*	1148	1005	1067	947	973
12	*	*	*	*	*	*	1264	994	1165	947	702
13	*	*	17	0	0	0	1179	877	1193	950	401
14	*	*	*	*	*	*	1169	854	1202	974	0
15	*	*	*	*	*	*	1196	877	1262	1046	0
16	*	12	*	*	*	*	1219	885	1291	1071	0
17	*	*	*	*	*	*	1542	820	1277	1127	0
18	*	*	*	*	*	*	1325	784	1248	1180	0
19	*	*	*	*	*	0	1317	756	1278	1226	0
20	*	*	*	*	*	*	1321	762	1304	1222	0
21	*	13	*	*	*	*	1333	714	1315	1237	0
22	*	*	*	*	*	*	1417	673	1264	1231	0
23	*	*	*	*	*	*	1421	663	1254	1204	0
24	*	*	*	0	*	0	1416	688	1235	1185	0
25	*	*	0	*	*	*	1402	761	1233	1161	0
26	*	0	*	*	*	*	1393	874	1241	1136	0
27	*	*	*	*	0	0	1372	999	1212	1105	0
28	15	12	*	*	*	*	1341	1015	1223	1113	0
29	*	*	*	*	*	*	1353	1013	1221	1119	0
30	*	*	0	0	*	0	1378	1013	1204	1065	0
31	....	*	....	*	*	....	1367	.....	1170	1042	....
Mean	*	*	*	*	*	*	1053	887	1166	1096	422
Max.	*	*	*	*	*	*	1421	1328	1315	1237	1081
Min.	*	*	*	*	*	*	0	385	1011	947	0
A. F.	*	*	*	*	*	*	64773	52783	71668	67391	25143
*No record.							Total area irrigated estimated at 107500 acres.				
							Area in Nebraska 55054 acres.				
							Water diverted for irrigation 281758 A. F.				
							Per acre 2.62 A. F.				
							Total 1012				

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

Date	GATCH CANAL Diverted from Melbeta Drain					GERING CANAL Diverted from North Platte River and Pathfinder Reservoir						
	May	June	July	Aug.	Sept.	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1	0	160	187	56	120	86
2	0	0	0	0	0	1	0	152	190	46	118	71
3	0	0	0	0	0	1	0	99	191	42	109	70
4	0	0	0	0	0	1	0	87	194	42	105	67
5	0	0	0	0	0	1	0	120	197	40	105	66
6	0	0	0	0	0	1	0	120	198	39	106	66
7	0	0	0	0	0	0	0	133	182	38	92	66
8	0	4	1	0	1	0	0	155	173	38	63	67
9	0	3	1	0	3	0	0	174	164	41	65	66
10	0	3	1	0	0	0	0	178	153	77	64	66
11	0	3	0	0	2	0	0	179	153	103	65	67
12	0	4	0	0	0	0	0	179	153	103	65	67
13	0	0	0	0	0	0	0	181	123	106	65	67
14	0	0	0	0	0	0	0	177	114	104	65	68
15	0	0	0	0	0	0	0	177	115	105	97	7
16	0	0	0	0	0	0	0	174	118	120	105	6
17	0	0	0	0	0	0	0	174	118	156	108	5
18	0	0	0	0	0	0	0	173	114	155	125	4
19	0	0	0	0	0	0	0	175	114	156	126	3
20	0	1	0	0	0	0	0	178	43	157	126	3
21	0	0	0	0	0	0	0	178	5	156	128	1
22	0	0	0	0	0	0	0	174	3	159	128	1
23	0	0	0	0	0	0	0	177	3	151	128	1
24	0	0	0	0	0	0	0	174	3	119	128	1
25	0	0	0	0	0	0	0	168	4	119	128	1
26	0	0	0	0	0	0	0	168	4	119	104	1
27	0	0	0	0	0	0	0	168	37	118	104	1
28	0	0	0	0	0	0	124	189	72	120	104	1
29	0	0	3	0	0	0	162	185	73	119	104	1
30	0	0	2	0	0	0	157	185	75	120	104	1
31	0	.....	1	0	.....	0	.....	184	.....	122	103	.....
Mean	0	0.5	0.3	0	0.2	1	15	164	109	101	102	33
Max.	0	4	3	0	3	1	162	189	198	159	128	86
Min.	0	0	0	0	0	0	0	87	3	38	63	1
A.F.	0	35	24	0	12	12	879	10106	6492	6240	6262	1980

Area reported 65 acres.

Water Diverted 71 A. F.

Per acre 1.09 A. F.

Water diverted 31971 A. F.

Acreage Reported
A-1220 65

Date	GERING CANAL SPILL Near Melbeta—Sec 14-21-54 W.				
	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	5	0	0	0
3	0	18	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	22	0	0	0
14	0	10	0	0	0
15	0	6	0	0	0
16	0	13	0	0	0
17	0	18	0	0	0
18	0	6	0	0	0
19	0	32	0	0	0
20	0	32	0	0	0
21	0	34	0	0	0
22	0	10	0	0	0
23	0	0	0	0	0
24	0	11	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	.....	0	.....	.....
Mean	0	7	0	0	0
Max.	0	34	0	0	0
Min.	0	0	0	0	0
A.F.	0	430	0	0	0

Total acre-feet 430.

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

GERING CANAL
SUMMARY IN ACRE-FEET

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	12	879	10106	6492	6240	6262	1980	31971
Spill to North Platte River.....	0	0	0	430	0	0	0	430
Net diverted	12	879	10106	6062	6240	6262	1980	31541

Area reported 14244 acres.

Net diverted 31541 A. F. including storage

Acreage Reported

Per acre 2.21 A. F.

A-365 14244

Storage diverted 14518 A. F.

GOTHENBURG DIVERSION CANAL

Diverted from Platte River

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	248	339	160	176	156	158	163	344	222	240	256	51
2	280	331	159	177	156	167	155	339	218	242	258	60
3	283	338	160	176	151	156	163	350	219	243	227	68
4	278	343	158	171	161	156	155	344	221	243	198	73
5	280	334	163	174	170	148	154	351	212	240	192	68
6	283	317	165	173	172	144	192	329	224	238	184	60
7	281	305	172	172	171	148	179	304	216	235	147	51
8	278	275	175	171	132	158	163	338	218	232	178	44
9	259	258	182	172	40	171	166	321	227	203	179	54
10	276	258	173	173	40	167	176	329	222	198	187	59
11	292	265	171	169	62	163	194	327	229	158	186	55
12	295	259	41	168	130	160	195	319	219	116	189	76
13	336	253	49	162	144	158	219	290	234	116	187	62
14	329	246	36	162	158	160	229	242	251	189	189	49
15	341	240	40	141	156	144	235	234	253	186	186	50
16	349	229	12	156	157	165	234	227	232	179	160	85
17	339	238	70	148	159	166	218	238	242	251	87	98
18	336	187	150	153	158	160	213	261	206	250	179	97
19	355	237	155	155	164	162	208	290	170	251	130	116
20	360	230	152	163	158	168	259	288	173	251	176	119
21	353	227	158	161	160	163	240	287	198	251	118	142
22	358	110	165	165	165	171	242	278	246	250	81	125
23	363	54	172	150	164	171	232	258	254	248	68	141
24	358	36	171	168	152	171	250	224	245	250	66	144
25	362	60	172	169	159	160	271	224	245	250	68	149
26	362	115	176	172	147	163	287	245	251	251	78	147
27	365	142	154	165	154	152	321	229	246	258	76	147
28	358	168	131	168	159	150	326	238	246	256	60	147
29	360	174	170	156	.....	155	327	214	253	259	62	227
30	363	182	175	154	.....	170	331	221	243	256	59	240
31	358	.....	171	154	.....	160	.....	221	.....	261	41	.....
Mean	323	225	141	164	142	160	223	281	228	227	144	100
Max.	365	343	182	177	172	171	331	351	254	261	258	240
Min.	248	36	12	144	40	144	154	214	170	116	41	44
A. F.	19910	13389	8644	10112	7920	9848	13283	17264	13557	13986	8831	5958
Water diverted	142702 A. F.											

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

GOTHENBURG IRRIGATION CANAL								
Diverted from Platte River and Sutherland Reservoir								
Date	Oct.	Nov.	Apr.	May.	June	July	Aug.	Sept.
1	100	185	0	214	81	90	87	0
2	120	184	0	199	81	87	99	0
3	130	190	0	206	85	86	93	0
4	129	195	0	196	81	78	17	0
5	129	183	0	203	84	76	17	0
6	135	167	0	199	84	73	17	0
7	132	150	0	174	80	77	16	0
8	122	121	0	199	81	67	16	0
9	100	104	0	180	102	69	16	0
10	115	102	0	180	99	71	16	0
11	120	107	25	178	96	9	16	0
12	129	103	35	150	100	21	16	0
13	170	98	52	149	98	20	15	0
14	166	94	61	75	97	6	15	0
15	180	79	62	66	101	0	13	0
16	193	74	62	91	83	0	15	0
17	185	71	53	96	95	69	0	0
18	185	45	44	108	92	89	0	0
19	200	77	45	150	90	88	0	0
20	210	71	87	149	97	90	0	0
21	215	70	79	156	96	90	0	0
22	225	24	80	132	96	91	0	0
23	217	0	69	85	97	92	0	0
24	215	0	84	72	94	90	0	0
25	215	0	96	81	91	89	0	0
26	224	0	122	90	91	88	0	0
27	219	0	163	90	91	92	0	0
28	212	0	170	90	92	99	0	0
29	220	0	171	83	93	95	0	60
30	210	0	179	83	93	97	0	98
31	205	.....	.....	81	.....	97	0	.....
Mean	173	116	87	136	91	70	30	79
Max.	225	195	179	214	102	97	99	98
Min.	100	0	0	66	80	0	0	0
A.F.	10566	4947	3449	8347	5437	4336	960	313

Water diverted 38355 A. F.

GOTHENBURG POWER RETURN
Gothenburg—Sec. 9-11-25 W.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	143	154	152	166	156	154	151	142	124	153	150	19	
2	154	144	151	168	153	157	152	143	123	155	149	24	
3	151	145	150	169	139	151	152	143	116	151	144	42	
4	147	146	154	167	156	152	148	146	117	151	143	47	
5	149	149	152	171	159	142	158	143	123	153	145	50	
6	145	149	153	168	163	139	158	141	120	152	149	39	
7	147	152	155	166	164	148	159	120	120	155	149	29	
8	157	152	156	169	129	152	163	135	119	158	113	22	
9	161	151	150	168	37	166	161	139	123	153	150	26	
10	160	154	162	165	38	163	159	146	125	149	150	39	
11	168	155	160	163	51	163	161	149	115	139	149	70	
12	164	154	95	160	118	143	163	153	127	97	149	61	
13	161	153	43	153	142	147	164	159	127	85	146	47	
14	158	149	31	157	151	164	165	171	148	126	149	41	
15	155	159	33	135	148	129	169	154	144	152	143	32	
16	151	153	18	147	152	152	170	152	147	156	139	55	
17	149	149	15	141	150	170	163	142	140	149	78	79	
18	149	144	130	146	152	171	167	131	122	142	66	79	
19	151	158	140	153	159	163	160	139	79	146	111	90	
20	146	157	141	151	151	145	167	143	44	151	123	79	
21	134	151	150	157	157	156	138	153	117	151	124	107	
22	130	83	157	157	154	160	157	154	146	149	71	108	
23	143	60	161	146	155	161	161	140	152	144	47	109	
24	141	49	166	160	143	162	160	110	157	139	49	127	
25	144	45	167	161	151	156	168	153	149	142	46	123	
26	136	111	162	166	143	163	158	153	156	134	57	127	
27	143	135	158	160	149	154	157	149	156	145	60	125	
28	143	161	153	158	152	146	152	153	161	146	57	127
29	136	165	164	153	.....	152	152	150	159	146	32	127
30	151	154	165	149	.....	155	147	113	152	149	33	134
31	150	.....	167	150	.....	150	.....	120	.....	145	23	.....
Mean	148	138	129	158	138	154	159	143	130	144	106	73	
Max.	168	165	167	171	161	171	170	171	161	158	150	134	
Min.	130	45	15	135	37	129	147	110	44	85	23	19	
A.F.	9158	8228	8154	9725	7680	9493	9481	8805	7752	8852	6540	4332	

Total acre-feet 98200.

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

GOTHENBURG CANAL SPILL To Buffalo Creek—Sec. 8-11-22 W.						
Date	May	June	July	Aug.	Sept.	
1	0	2	15	0	0	0
2	0	5	16	0	0	0
3	0	8	14	0	0	0
4	0	12	16	0	0	0
5	17	12	16	0	0	6
6	4	8	16	0	0	0
7	4	4	12	0	0	0
8	7	3	7	0	0	0
9	6	1	4	0	0	0
10	2	6	1	0	0	0
11	11	14	0	0	0	0
12	20	14	0	0	0	0
13	18	12	0	0	0	0
14	13	13	0	0	0	0
15	8	12	0	0	0	0
16	5	13	0	0	0	0
17	4	12	0	0	0	6
18	0	11	0	0	0	0
19	4	7	0	0	0	0
20	9	1	0	0	0	0
21	8	6	0	0	0	0
22	8	6	0	0	0	0
23	7	7	0	0	0	0
24	0	8	0	0	0	6
25	3	8	0	0	0	0
26	2	9	0	0	0	0
27	3	10	0	0	0	6
28	5	11	0	0	0	0
29	4	12	0	0	0	0
30	4	14	0	0	0	0
31	2	.....	0	0	0	.....
Mean	7	9	4	0	0	0
Max.	20	14	16	0	0	0
Min.	0	1	0	0	0	0
A.F.	333	518	232	0	0	0
Total acre-feet	1083.					

GOTHENBURG IRRIGATION CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.	Total
Gothenburg diversion for irrigation	10566	4947	3449	8347	5437	4336	960	313	38355
Spill to Buffalo Creek.....	0	0	*	333	518	232	0	0	1083
Net for irrigation.....	10566	4947	3449	8014	4919	4104	960	313	37272
Area reported 17820 acres.							Acreage Reported		
Net diverted 37272 A. F. including storage.							D-645a 820		
Per acre 2.09 A. F.							D-645b 17000		
Storage diverted 3047 A. F.									
*No record.							Total 17820		

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

GRAF CANAL Diverted from Blue Creek and Crescent Lake—A-1575							HALLOWAY-PHELPS CANAL Diverted from White Tail Creek				
Date	Oct.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	*	0	5	18	1	0	0	0	0	0	0
2	*	0	2	16	1	0	0	0	0	0	0
3	*	0	1	18	1	0	0	0	0	0	0
4	*	0	1	18	1	1	0	0	0	0	0
5	*	0	1	18	1	1	0	0	0	0	0
6	*	0	1	14	1	1	0	0	0	0	0
7	*	0	3	16	1	1	0	0	0	0	0
8	*	0	2	15	0	1	0	0	0	0	0
9	*	0	14	16	1	10	0	0	0	0	0
10	*	0	15	16	1	26	0	0	0	0	0
11	*	0	10	20	1	24	0	0	0	0	0
12	*	0	13	0	1	25	0	0	0	0	0
13	*	0	26	2	1	25	0	0	0	0	0
14	*	0	23	2	1	25	0	0	0	3	6
15	*	0	19	2	0	26	0	0	0	4	0
16	*	0	20	1	0	0	0	0	0	4	0
17	*	0	16	0	0	0	0	0	0	4	0
18	*	0	8	0	1	0	0	0	0	4	0
19	*	0	11	0	1	5	0	0	0	0	0
20	*	8	13	0	1	23	0	0	0	0	0
21	*	10	15	0	0	24	0	0	0	0	0
22	*	10	12	0	0	25	0	0	0	0	0
23	*	9	14	0	0	28	0	0	0	0	0
24	*	9	12	1	0	27	0	0	0	0	0
25	*	9	22	1	0	30	0	0	0	0	0
26	*	2	24	1	0	30	0	0	0	0	0
27	*	1	18	1	0	30	0	0	0	0	0
28	*	0	22	1	0	31	0	0	0	0	0
29	*	0	20	1	0	34	0	0	0	0	0
30	*	20	16	1	1	33	0	0	0	0	0
31	*	12	.....	1	0	.....	0	.....	0	0	.....
Mean	*	3	12	6	0.5	16	0	0	0	0.6	0
Max.	*	20	26	20	1	34	0	0	0	4	0
Min.	*	0	1	0	0	0	0	0	0	0	0
A.F.	*	178	758	397	34	966	0	0	0	38	0
Area reported	2089 acres.						Acreeage Reported	Area reported 270 acres.			
Water diverted	2333 A. F.						D-763R	Water diverted 38 A. F.			
Per acre	1.12 A. F.						D-788	Per acre 0.14 A. F.			
No diversions from	Crescent Lake.						D-781R	Acreeage Reported			
*No record.							Total	D-717 270			
								2089			

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

Date	HARPER CANAL Diverted from Clear Creek					
	Oct.	May	June	July	Aug.	Sept.
1	*	2	0	2	0	0
2	*	2	0	0	0	0
3	*	2	0	2	0	0
4	*	2	0	0	0	0
5	*	3	0	0	0	0
6	*	2	0	0	0	0
7	*	0	0	0	0	0
8	*	0	0	0	0	0
9	*	0	0	0	0	0
10	*	0	0	0	0	0
11	*	1	0	0	0	0
12	*	1	0	0	0	0
13	*	2	0	0	0	0
14	*	1	0	0	0	0
15	*	0	0	0	0	0
16	*	0	0	0	0	0
17	*	0	0	0	0	0
18	*	0	0	0	0	0
19	*	0	0	0	0	0
20	*	0	0	0	0	0
21	*	0	0	0	0	0
22	*	0	0	0	0	0
23	*	0	0	0	0	0
24	*	0	0	0	0	0
25	*	0	0	0	0	0
26	*	0	0	0	0	0
27	*	0	0	0	0	0
28	*	0	0	0	0	0
29	*	0	2	0	0	0
30	*	0	2	0	0	0
31	*	0	.....	0	0	.....
Mean	*	0.6	0.1	0.1	0	0
Max.	*	3	2	2	0	0
Min.	*	0	0	0	0	0
A.F.	*	36	8	8	0	0
Area reported 36 acres.		Acreage Reported				
Water diverted 52 A. F.		A-2316 208				
Per acre 0.25 A. F.						

Date	HARRIS-COOPER CANAL Diverted from White River				
	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	*	*	*
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	*	*
10	*	*	*	*	7
11	*	*	*	*	*
12	*	*	*	*	*
13	*	*	*	0	*
14	*	*	*	*	7
15	*	*	*	*	*
16	*	*	*	*	5
17	*	*	*	*	*
18	*	0	*	*	*
19	*	*	*	*	6
20	*	*	*	*	8
21	1	*	*	*	*
22	*	*	*	*	*
23	*	*	*	*	4
24	*	*	*	*	*
25	*	*	*	*	*
26	*	*	*	*	2
27	*	*	*	*	4
28	*	*	*	*	4
29	*	*	*	*	5
30	*	*	*	*	*
31	*	.....	5	*	.....
Mean	*	.....	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A.F.	*	*	*	*	*
*No record.		Acreage Reported			
		D-464a 922			
		D-464b 107			

HOLCOMBE CANAL

Diverted from Pawnee Creek

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	4
2	0	0	0	0	4
3	0	0	0	0	4
4	0	0	0	0	4
5	0	0	0	0	4
6	0	0	0	0	4
7	0	0	0	0	4
8	0	0	0	0	4
9	0	0	0	0	4
10	0	0	0	0	3
11	0	0	0	0	3
12	0	0	0	0	3
13	0	0	0	0	3
14	0	0	0	0	3
15	0	0	0	0	3
16	0	0	0	0	3
17	0	0	0	0	3
18	0	0	0	0	3
19	0	0	0	0	3
20	0	0	0	0	3
21	0	0	0	0	3
22	0	0	0	0	3
23	0	0	0	0	3
24	0	0	0	0	3
25	0	0	0	0	3
26	0	0	0	0	3
27	0	0	0	0	3
28	0	0	0	0	3
29	0	0	0	0	3
30	0	0	0	4	2
31	0	.....	0	4	.....
Mean	0	0	0	4	3
Max.	0	0	0	4	4
Min.	0	0	0	0	2
A.F.	0	0	0	16	194
Area reported 560 acres.		Acreage Reported			
Water diverted 210 A. F.		D-636 560			
Per acre 0.37 A. F.					

Total 1029

HOLLINGSWORTH CANAL

Diverted from South

Date	Platte River			
	May	June	July	Sept.
1	0	3	17	0
2	0	2	12	0
3	0	0	12	10
4	0	0	13	5
5	0	0	6	0
6	0	0	5	0
7	0	0	6	0
8	0	0	6	3
9	4	0	5	9
10	4	0	7	8
11	10	0	8	9
12	6	0	7	10
13	6	0	6	10
14	6	0	7	10
15	4	6	5	9
16	4	6	5	11
17	4	2	0	11
18	4	2	0	10
19	5	13	0	12
20	8	6	0	11
21	6	4	0	10
22	5	3	0	10
23	2	3	0	10
24	2	3	0	10
25	3	2	0	10
26	2	2	18	8
27	2	2	13	8
28	3	2	13	8
29	3	16	13	8
30	2	16	13	6
31	2	.....	0	6
Mean	3	3	6	7
Max.	10	16	18	12
Min.	0	0	0	0
A.F.	200	188	391	460
Area reported 374 acres.		Acreage Reported		
Water diverted 1560 A. F.		D-723 374		
Per acre 4.17 A. F.				

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

HOOVER CANAL
Diverted from Blue Creek and
Crescent Lake—A-1575

Date	May	June	July	Aug.	Sept.
1	0	2	4	0	10
2	0	5	3	5	10
3	0	2	3	14	8
4	4	1	2	14	6
5	6	1	0	14	6
6	9	2	1	16	12
7	0	2	12	14	11
8	0	1	12	14	13
9	11	7	10	14	13
10	10	8	12	11	13
11	4	7	12	10	13
12	6	0	11	10	14
13	6	13	0	12	9
14	5	6	0	12	9
15	5	6	0	13	10
16	4	8	0	12	11
17	6	5	0	12	11
18	10	13	0	13	11
19	15	13	0	13	10
20	15	13	0	14	18
21	10	13	0	14	19
22	11	13	0	14	15
23	14	13	0	14	14
24	15	12	0	5	8
25	17	12	0	0	10
26	13	11	0	0	12
27	7	12	0	0	12
28	4	12	0	8	10
29	9	6	0	13	10
30	12	6	0	14	10
31	14	....	0	10	....
Mean	8	7	3	11	11
Max.	17	13	12	16	19
Min.	0	0	0	0	6
A.F.	480	446	163	653	670

Area reported 877 acres.
Water diverted 2412 A. F.
Per acre 2.74 A. F.
No diversion from Crescent Lake.

Acreage Reported	
D-781	858
D-788R	19
Total	877

HURLEY-LILLY-POLLY CANAL
Diverted from Lodgepole Creek

Date	Oct.	May	June	July	Aug.	Sept.
1	2	0	2	1	1	1
2	0	0	2	1	1	1
3	2	0	2	1	1	1
4	2	0	2	2	1	1
5	2	0	2	2	1	1
6	2	0	2	2	1	1
7	2	0	2	2	1	2
8	*	0	2	2	1	3
9	*	0	3	3	0	3
10	*	2	2	2	0	3
11	*	2	2	2	0	2
12	*	2	2	2	0	3
13	*	2	2	2	0	2
14	*	2	2	2	0	3
15	*	2	4	1	1	3
16	*	2	5	1	1	3
17	*	1	3	1	2	3
18	*	1	4	2	2	3
19	*	1	4	1	1	3
20	*	1	4	1	1	3
21	*	1	4	1	1	3
22	*	1	4	1	1	3
23	*	1	3	1	1	3
24	*	1	3	1	1	3
25	*	1	3	1	1	3
26	*	1	3	1	1	3
27	*	1	3	1	1	3
28	*	1	3	1	1	3
29	*	1	2	1	1	3
30	*	1	2	1	1	3
31	*	1	....	1	1	....
Mean	*	1	3	1	1	3
Max.	*	2	5	2	2	3
Min.	*	0	2	1	0	1
A.F.	*	58	167	87	56	149

INMAN CANAL
Diverted from Frenchman River

May	June	July	Aug.	Sept.
*	*	*	*	0
*	*	*	0	*
*	*	*	*	*
*	*	*	*	*
*	7	0	*	*
*	*	*	0	*
*	*	*	*	0
*	*	*	*	*
*	*	*	*	*
*	*	0	*	*
*	*	*	*	*
*	7	0	0	0
*	*	*	0	0
*	*	*	*	*
6	*	*	*	*
*	*	*	*	*
*	*	*	*	*
*	*	*	*	*
*	*	*	*	0
*	*	*	*	*
*	*	*	*	*
0	*	*	*	*
*	*	*	*	*
*	0	0	*	*
*	*	*	*	*
*	*	*
*	*	*	*	*
*	*	*	*	*
*	*	*	*	*
*	*	*	*	*

Area reported 180 acres. Acreage Reported
Water diverted— D-354 180
incomplete record—517 A. F.
Per acre 2.88 A. F.
*No record.

Area reported 450 acres.
Water diverted—incomplete
record. Acreage Reported
*No record. A-176 365
D- 79 85

Total 450

DEPARTMENT OF ROADS AND IRRIGATION

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

INTERSTATE CANAL

Diverted from North Platte River, Pathfinder and Guernsey Reservoirs		Apr.	May	June	July	Aug.	Sept.
ate	Oct.						
	1020	0	970	1735	1400	1605	1527
	1018	0	1070	1580	1322	1627	1509
	1015	0	1127	1502	1284	1621	1520
	858	0	1268	1511	1258	1605	1635
	625	0	1392	1511	1247	1603	1763
	58	0	1512	1511	1270	1614	1731
	0	0	1561	1517	1286	1696	1718
	0	0	1627	1490	1200	1495	1638
	0	0	1708	1454	1169	1402	1638
	0	0	1777	1454	1259	1399	1481
	0	0	1783	1451	1330	1285	962
	0	0	1760	1450	1468	1240	591
	0	0	1637	1359	1654	1245	47
	0	0	1544	1247	1705	1398	0
	0	0	1583	1180	1606	1588	0
	0	0	1611	1133	1618	1780	0
	0	0	1585	1038	1711	1827	0
	0	0	1577	976	1753	1731	0
	0	0	1574	941	1702	1710	0
	0	312	1574	822	1690	1690	0
	0	483	1586	826	1702	1720	0
	0	622	1688	976	1704	1748	0
	0	648	1799	1013	1708	1692	0
	0	752	1874	1076	1741	1618	0
	0	828	1862	1102	1741	1590	0
	0	850	1786	1220	1723	1572	0
	0	845	1721	1357	1723	1570	0
	0	850	1676	1460	1702	1623	0
	0	908	1691	1574	1669	1623	0
	0	910	1763	1538	1654	1594	0
	0	.....	1817	.....	1612	1527	.....
in	148	267	1597	1300	1536	1582	599
c.	1020	910	1874	1735	1753	1827	1781
	0	0	970	822	1169	1240	0
	9110	15880	98190	77360	94440	97270	35620

Area reported 126431 acres.
Total headgate diversion 427870
Per acre 3.38 A. F.

Acreage Reported

Hill Dist. (Wyo.)	3704
Lingle Dist. (Wyo.)	11288
Other Wyoming lands	2300
Nebraska lands	109139
Total	126431

KEARNEY CANAL

Diverted from Platte River,

Buffalo and Elm Creeks, and Sutherland Reservoir

ate	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
	390	395	350	246	100	281	352	345	260	409	23	0
	381	388	328	244	93	279	360	327	244	404	3	0
	409	391	248	248	130	283	363	335	240	406	1	0
	399	395	255	249	151	295	362	364	185	384	0	0
	397	391	213	230	150	299	418	356	137	381	0	0
	408	388	265	265	130	284	338	390	120	320	0	0
	374	261	358	250	95	292	349	385	122	352	0	0
	341	343	327	260	86	281	356	320	112	154	25	0
	383	383	334	268	100	304	360	299	117	137	51	0
	411	385	335	235	108	277	349	194	275	107	49	0
	406	395	340	158	115	332	317	147	250	57	52	0
	402	398	90	140	140	315	295	166	238	23	43	0
	420	388	80	159	172	342	282	171	264	11	27	0
	385	395	106	120	210	353	276	130	243	5	14	0
	391	399	131	70	236	251	266	147	278	5	14	0
	391	399	234	30	256	329	298	198	262	3	10	0
	381	398	298	30	236	332	360	212	249	3	6	0
	378	398	282	75	256	352	395	168	212	0	4	0
	399	392	286	186	300	345	398	89	144	1	1	0
	397	394	272	210	290	346	367	240	112	7	0	0
	381	394	293	220	256	328	353	164	302	57	0	0
	374	150	299	58	261	359	353	215	250	79	0	0
	366	165	287	84	280	388	310	264	284	101	0	0
	381	202	238	142	286	378	300	200	244	95	0	0
	404	200	279	196	290	388	335	188	250	70	0	0
	388	190	142	206	256	387	594	245	339	57	0	0
	390	150	78	172	261	394	394	256	271	34	0	0
	392	310	85	100	265	328	330	291	198	76	0	0
	398	315	140	91	.....	272	373	276	391	48	0	0
	391	341	220	90	.....	290	359	240	416	31	0	0
	428	.....	260	158	.....	287	.....	271	.....	14	0	0
n	392	336	242	167	197	322	347	245	234	128	11	0
c.	428	399	358	268	300	394	418	390	416	409	52	0
	341	150	78	30	86	251	266	89	112	0	0	0
	24072	20019	14882	10294	10927	19777	20652	15061	13902	7599	641	0

er diverted 157826 A. F.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

KEARNEY POWER RETURN To Platte River—Sec. 12-8-16 W.												
Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	364	417	319	254	150	276	344	315	261	299	10	0
2	364	414	321	238	39	276	348	312	249	218	8	0
3	388	426	239	249	128	281	357	305	245	228	6	0
4	389	420	292	238	121	281	359	344	201	323	4	0
5	379	420	203	232	168	295	330	324	143	403	2	0
6	381	417	260	256	131	281	315	348	110	269	2	0
7	364	299	353	265	117	305	314	342	111	235	2	0
8	331	321	321	265	62	272	341	333	110	176	2	0
9	353	372	328	281	100	301	242	317	93	150	0	0
10	391	388	328	222	100	272	323	198	258	122	0	0
11	391	399	342	153	121	348	308	166	252	48	0	0
12	362	383	112	124	126	335	301	150	244	19	43	0
13	423	360	43	148	140	349	287	182	261	2	30	0
14	369	301	100	108	194	348	274	125	237	1	2	0
15	372	351	125	64	216	247	251	125	261	1	0	0
16	391	365	228	31	242	341	296	177	251	0	0	0
17	351	353	261	38	256	332	319	191	238	0	0	0
18	372	391	272	57	225	362	379	171	196	0	0	0
19	389	326	279	168	276	346	376	81	150	0	0	0
20	399	369	265	199	323	348	350	122	90	0	0	0
21	389	332	287	216	256	330	342	86	272	7	0	0
22	369	28	293	70	244	328	344	187	220	72	0	0
23	386	49	269	77	279	372	308	242	250	80	0	0
24	418	128	285	77	270	365	299	199	215	60	0	0
25	416	161	270	144	289	335	305	176	220	28	0	0
26	391	161	129	160	254	301	351	227	310	19	0	0
27	381	121	53	166	256	359	364	225	204	14	0	0
28	391	235	59	114	234	303	359	215	169	35	0	0
29	391	270	128	94	.....	279	346	242	323	14	0	0
30	399	305	206	83	.....	306	341	252	360	13	0	0
31	406	.....	222	149	.....	245	.....	267	.....	12	0	.....
Mean	381	309	232	159	190	314	331	224	216	116	4	0
Max.	423	426	353	281	323	372	379	348	360	403	43	0
Min.	351	28	43	31	62	245	251	81	90	0	0	0
A.F.	23524	18411	14265	9798	10546	19278	19708	13777	12881	5649	220	0
Total acre-feet	148057.											

KEARNEY CANAL
SUMMARY IN ACRE-FEET

Month	Diverted from			Received at Odessa for Power and Irrigation
	Elm Creek	Buffalo Creek	Platte River	
October	54	1075	22943	24072
November	0	375	19644	20019
December	0	311	14571	14882
January	0	343	9951	10294
February	0	313	10614	10927
March	65	591	19121	19777
April	188	831	19633	20652
May	690	2340	12031	15061
June	3646	5040	5216	13902
July	228	1777	5594	7599
August	38	155	448	641
September	0	0	0	0
Total	4909	13151	139766	157826
Area reported	4600 acres.			Acreage Reported D-1023 4600

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

KEITH-LINCOLN COUNTY CANAL Diverted from North Platte River							KEITH-LINCOLN COUNTY SPILL To North Platte River— Sec. 23-14-34 W.					
Date	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.
1	72	0	53	71	0	19	17	0	16	20	0	0
2	71	0	28	62	0	25	16	0	12	23	0	0
3	71	0	35	60	11	25	16	0	7	22	0	0
4	72	0	63	44	55	36	20	0	22	17	0	0
5	58	0	69	0	73	0	10	0	22	2	0	0
6	47	0	69	0	54	0	12	0	23	0	0	0
7	25	0	45	21	71	0	2	0	14	3	0	0
8	25	37	44	27	84	0	2	0	3	7	8	0
9	27	45	75	32	94	18	2	0	8	5	6	0
10	32	57	86	53	71	71	8	6	22	2	4	0
11	31	39	88	42	71	92	12	5	26	2	7	0
12	34	51	80	9	91	77	12	8	23	0	3	0
13	46	46	77	7	83	77	14	4	23	0	0	0
14	96	43	64	0	79	82	3	3	10	0	0	0
15	54	33	51	0	83	81	8	1	8	0	0	0
16	21	32	64	0	86	84	10	0	5	0	0	0
17	35	59	77	0	75	80	14	2	4	0	0	2
18	35	78	81	0	60	91	20	4	18	0	0	2
19	0	93	97	0	57	88	14	4	14	0	0	0
20	0	88	80	0	67	71	10	26	24	0	4	0
21	0	61	71	0	71	79	10	24	19	0	0	0
22	0	48	83	0	27	91	12	17	14	0	0	0
23	0	25	97	0	0	85	12	6	14	0	0	0
24	0	48	103	0	0	79	14	10	14	0	0	0
25	0	59	78	0	0	79	20	14	10	0	0	0
26	0	44	83	0	0	80	20	14	11	0	0	2
27	0	20	82	8	0	78	5	10	18	0	0	2
28	0	22	48	57	0	83	6	2	34	0	0	2
29	0	52	25	93	0	90	8	6	4	0	0	6
30	0	27	53	20	6	101	8	4	12	0	0	8
31	0	35	.....	0	22	.....	0	6	.....	0	0	.....
Mean	28	37	68	20	45	62	11	6	15	3	1	1
Max.	96	93	103	93	94	101	20	26	34	23	8	8
Min.	0	0	25	0	0	0	2	0	3	0	0	0
A.F.	1690	2265	4064	1220	2759	3693	688	349	900	204	63	48
Water diverted	15691 A. F.						Total acre-feet 2252.					

KEITH-LINCOLN COUNTY CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River....	1690	2265	4064	1220	2759	3693	15691
Spill to North Platte River.....	688	349	900	204	63	48	2252
Net diverted	1002	1916	3164	1016	2696	3645	13439
Area reported 6253 acres.							Acres Reported
Net diverted 13439 A. F.							D-722 6253
Per acre 2.15 A. F.							

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

KENT-BURKE CANAL Diverted from Pawnee Creek						KEYSTONE CANAL Diverted from White Tail Creek				
Date	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	0	0	0	0	2	0	0	5	0	0
2	0	0	0	0	2	0	0	3	0	0
3	0	0	0	0	1	0	0	3	0	0
4	0	0	0	0	2	0	0	2	0	0
5	0	0	0	0	1	0	0	0	0	0
6	0	0	0	0	1	0	8	0	0	0
7	0	0	0	0	2	0	8	0	0	0
8	0	0	0	0	2	0	6	1	0	0
9	0	0	0	0	3	0	0	3	0	0
10	0	0	0	0	2	0	0	0	0	0
11	0	0	0	0	2	0	6	0	0	0
12	0	0	0	0	2	0	8	0	0	0
13	0	0	0	0	1	0	8	0	0	0
14	0	0	0	0	1	0	8	0	0	0
15	0	0	0	0	2	0	7	0	0	0
16	0	0	0	0	2	0	7	0	0	0
17	0	0	0	0	2	0	6	0	0	0
18	0	0	0	0	1	0	6	0	0	0
19	0	0	0	0	1	0	6	0	0	0
20	0	0	0	0	1	0	5	0	0	0
21	0	0	0	0	0	0	5	0	0	0
22	0	0	0	0	0	0	7	0	0	0
23	0	0	0	0	0	0	5	0	0	0
24	0	0	0	0	0	0	6	0	0	0
25	0	0	0	0	0	0	5	0	0	0
26	0	0	0	0	0	0	5	0	0	0
27	0	0	0	0	0	0	4	0	0	0
28	0	0	0	0	0	0	3	0	0	0
29	0	0	0	1	0	0	4	0	0	0
30	0	0	0	1	0	0	4	0	0	0
31	0	0	0	1	0	0	0	0	0	0
Mean	0	0	0	3	2	0	4	0.6	0	0
Max	0	0	0	1	3	0	8	5	0	0
Min.	0	0	0	0	0	0	0	0	0	0
A.F.	0	0	0	6	65	0	272	34	0	0

Area reported 410 acres. Area reported 2806 acres. Acreage Reported

Water diverted 71 A. F. Water diverted 306 A. F. A-662b 2127

Per acre 0.17 A. F. Per acre 0.11 A. F. A-843 320

 Acreage Reported A-1003 359

 A-1694 410

KIMBALL CANAL, NORTH Diverted from Lodgepole Creek and Oliver Reservoir						KIMBALL CANAL, SOUTH Diverted from Lodgepole Creek and Oliver Reservoir					Total 2806	
Date	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.
1	11	0	7	0	6	6	25	0	13	14	14	10
2	12	0	6	0	5	5	24	0	7	14	13	11
3	11	0	0	0	4	0	24	0	6	13	14	10
4	8	0	2	1	5	0	20	0	7	9	16	13
5	6	6	2	1	3	0	20	0	5	13	16	12
6	5	0	2	2	3	0	18	0	5	13	16	13
7	0	0	2	5	0	0	18	0	7	12	11	16
8	0	0	0	7	0	5	9	0	6	13	11	11
9	0	0	0	6	0	6	0	0	9	10	3	9
10	0	0	0	7	0	5	0	0	10	15	0	6
11	0	0	0	6	0	8	0	0	8	16	0	7
12	0	0	0	8	0	8	0	0	14	23	0	10
13	0	0	0	8	0	6	0	0	12	25	0	10
14	0	0	0	10	0	6	0	0	12	27	0	11
15	0	0	5	10	0	4	0	15	11	27	0	11
16	0	5	7	9	9	3	0	16	13	22	17	10
17	0	5	7	9	11	3	0	14	11	18	19	11
18	0	7	10	6	10	2	0	18	9	15	18	9
19	0	8	9	7	7	2	0	16	9	17	16	9
20	0	8	9	7	5	2	0	22	10	13	16	9
21	0	11	10	6	4	4	0	21	14	18	12	12
22	0	14	10	7	4	6	0	22	12	16	16	12
23	0	21	9	7	4	4	0	23	11	10	13	11
24	0	21	5	7	5	7	0	25	14	13	16	13
25	0	0	0	6	0	9	0	24	13	17	15	12
26	0	18	0	6	0	4	0	18	8	19	12	6
27	0	14	0	6	0	0	0	15	12	23	10	0
28	0	11	0	5	6	0	0	5	11	15	13	0
29	0	12	0	5	6	0	0	13	10	15	12	0
30	0	8	0	6	5	0	0	13	14	12	12	0
31	0	9	0	6	6	0	0	15	0	13	10	0
Mean	2	6	3	6	4	3	5	10	10	16	11	9
Max.	12	21	10	10	11	9	25	25	14	27	19	16
Min.	0	0	0	0	0	0	0	0	5	9	0	0
A.F.	105	341	202	349	214	208	313	585	601	992	676	519

Water diverted 1419 A. F. Water diverted 3716 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

KIMBALL IRRIGATION DISTRICT CANALS
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
North Canal	105	341	202	349	214	208	1419
South Canal	313	585	601	992	676	549	3716
Total	418	926	803	1341	890	757	5135

Area reported 4500 acres.
Water diverted 5135 A. F.
Per acre 1.14 A. F.

Acreage Reported
A-897 4500

KINNEY CANAL, SOUTH
Diverted from Lodgepole Creek

Date	Oct.	May	June	July	Aug.	Sept.
1	5	0	4	4	1	2
2	3	0	4	4	1	2
3	3	0	4	4	1	2
4	3	0	4	3	1	2
5	2	0	4	3	1	2
6	2	0	4	2	1	2
7	2	0	4	3	1	2
8	*	0	4	3	1	2
9	*	0	4	3	2	2
10	*	0	5	3	1	2
11	*	4	6	3	2	2
12	*	4	6	3	2	2
13	*	4	6	3	3	2
14	*	3	5	3	3	2
15	*	2	5	3	2	2
16	*	2	5	3	2	2
17	*	3	5	3	2	2
18	*	3	5	0	3	1
19	*	3	5	0	3	1
20	*	3	5	0	3	1
21	*	2	5	0	3	1
22	*	2	5	1	3	1
23	*	2	5	1	3	1
24	*	2	5	1	3	1
25	*	2	5	1	3	1
26	*	2	6	1	3	1
27	*	2	6	1	3	1
28	*	0	5	1	3	1
29	*	0	5	1	3	1
30	*	3	4	1	3	1
31	*	3	.....	1	3	.....
Mean	*	2	5	2	2	1
Max.	*	4	6	4	3	2
Min.	*	0	4	0	1	1
A.F.	40	100	288	125	135	93

KINNEY CANAL, NORTH
Diverted from Lodgepole Creek

Date	Oct.	May	June	July	Aug.	Sept.
1	0	0	1	1	0	0
2	0	0	1	1	0	0
3	0	0	1	1	0	0
4	0	0	1	1	0	0
5	0	0	1	1	0	0
6	0	0	1	1	0	0
7	0	0	1	1	0	0
8	*	0	1	1	0	0
9	*	0	1	1	0	0
10	*	0	1	1	0	0
11	*	0	1	1	0	0
12	*	0	1	1	0	0
13	*	0	1	1	0	0
14	*	0	1	1	0	0
15	*	0	1	1	0	0
16	*	1	1	1	0	0
17	*	1	1	1	0	0
18	*	1	1	1	0	0
19	*	1	1	1	0	0
20	*	1	1	1	0	0
21	*	1	1	1	0	0
22	*	1	1	1	0	0
23	*	1	1	1	0	0
24	*	1	1	1	0	0
25	*	1	1	1	0	0
26	*	1	1	1	0	0
27	*	1	1	1	0	0
28	*	1	1	0	0	0
29	*	1	1	0	0	0
30	*	1	1	0	0	0
31	*	1	.....	0	0	.....
Mean	*	0	0.5	1	1	0
Max.	*	0	1	1	1	0
Min.	*	0	0	1	0	0
A.F.	0	32	60	52	0	0

Water diverted—incomplete record—
781 A. F.

Water diverted—incomplete record—
144 A. F.

*No record.

*No record.

(See next page for summary in acre-feet of Kinney Canal.)

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

KINNEY CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Kinney Canal, South.....	40	100	288	125	135	93	781
Kinney Canal, North.....	*	32	60	52	0	0	144
Total diverted	40	132	348	177	135	93	925

Area reported 412 acres.
Water diverted 925 A. F.
Per acre 2.25 A. F.
*Incomplete record.

Acreage Reported
D-345 135
D-348 182
D-350 41
A-718 54
A-1828 No report
filed
Total 412

KROTTER POWER CANAL
Diverted from Frenchman River

Date	May	June	July	Aug.	Sept.
1	*	*	*	*	69
2	*	*	*	96	*
3	*	*	*	56	*
4	*	*	*	*	*
5	*	72	79	*	*
6	*	*	*	72	*
7	*	61	*	72	67
8	*	*	*	54	*
9	72	*	*	*	*
10	*	*	54	*	*
11	*	*	*	*	*
12	*	*	*	*	*
13	*	59	60	66	63
14	*	*	*	*	*
15	*	*	*	72	*
16	67	*	*	*	*
17	*	*	*	*	*
18	*	*	*	*	*
19	*	*	*	*	64
20	*	*	56	77	*
21	62	*	*	*	*
22	*	*	*	*	*
23	*	*	*	*	*
24	*	*	65	*	*
25	*	72	*	*	66
26	67	*	*	*	*
27	*	*	*	76	72
28	69	112	*	*	*
29	*	*	*	*	*
30	*	*	68	*	*
31	*	....	*	*	....
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A.F.	*	*	*	*	*

Water diverted—incomplete record.
*No record.

LAST CHANCE CANAL
Diverted from Pumpkinseed
Creek

May	June	July	Aug.	Sept.
0	3	0	0	0
0	0	0	0	0
0	0	0	0	0
0	3	9	0	0
0	7	9	0	0
0	7	7	0	0
0	8	0	0	0
0	8	0	4	7
7	8	0	4	7
8	8	2	4	7
8	8	0	5	7
9	8	0	6	6
10	8	0	5	7
9	8	0	5	6
9	9	0	1	2
9	9	0	0	0
8	9	0	0	0
8	8	0	0	1
8	8	0	0	7
8	12	0	0	7
7	1	0	0	7
7	0	0	0	7
7	0	0	0	7
8	0	0	0	7
8	0	0	0	6
8	0	0	0	6
8	0	0	0	6
8	0	0	0	7
8	0	0	0	7
8	0	0	0	7
8	....	0	0	....
6	5	1	1	4
10	12	9	6	7
0	0	0	0	0
367	293	54	67	246

Area reported 415 acres.
Water diverted 1027 A. F.
Per acre 2.44 A. F.
Acreage Reported
D-883 415

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

LISCO CANAL												
Diverted from Cold Water Creek												
Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	4	0	0	0	2	3	2	5	3	1	1
2	4	4	0	0	0	2	3	2	5	2	3	3
3	4	4	0	0	0	2	3	2	4	2	3	3
4	4	4	0	0	3	2	3	2	4	2	3	3
5	4	4	0	0	3	2	3	2	4	2	3	3
6	4	4	0	0	3	2	3	2	4	2	3	3
7	4	4	0	0	3	2	3	2	4	3	3	3
8	4	4	0	0	3	2	3	2	4	3	3	3
9	4	4	0	0	3	2	3	2	4	3	3	3
10	4	0	0	0	3	2	3	2	4	3	3	3
11	4	0	0	0	3	2	3	2	4	2	3	3
12	4	0	0	0	3	2	3	2	4	3	3	3
13	4	0	0	0	3	2	3	3	4	2	3	3
14	4	0	0	0	3	2	3	3	4	0	3	3
15	4	0	0	0	3	2	3	3	4	0	3	3
16	4	0	0	0	2	3	3	3	4	0	3	3
17	4	0	0	0	2	3	3	3	3	0	2	3
18	4	0	0	0	2	3	3	3	3	0	0	3
19	4	0	0	0	2	3	3	3	3	0	0	3
20	4	0	0	0	2	3	3	4	3	0	0	3
21	4	0	0	0	2	3	3	4	3	0	0	3
22	4	0	0	0	2	3	3	4	3	0	0	3
23	4	0	0	0	2	3	3	4	3	0	0	3
24	4	0	0	0	2	3	3	4	3	0	0	3
25	4	0	0	0	2	3	3	4	3	0	0	3
26	4	0	0	0	2	3	3	4	3	0	0	3
27	4	0	0	0	2	3	3	4	3	0	0	3
28	4	0	0	0	2	3	3	4	3	0	0	3
29	4	0	0	0	2	3	3	4	3	0	0	3
30	4	0	0	0	.....	3	3	4	3	0	0	3
31	4	.....	0	0	.....	3	3	4	3	0	0	3
Mean	4	4	0	0	2	3	3	3	4	3	3	3
Max.	4	4	0	0	3	3	3	4	5	3	3	3
Min.	4	0	0	0	0	2	3	2	3	0	0	1
A.F.	246	71	0	0	123	155	179	179	226	65	95	175

Water diverted 1514 A. F.

LISCO CANAL								LISCO CANAL SPILL				
Diverted from North Platte River								To Cold Water Creek— Sec. 34-18-46 W.				
Date	Oct.	May	June	July	Aug.	Sept.		May	June	July	Aug.	Sept.
1	9	0	19	9	0	0		0	16	0	0	0
2	9	0	14	9	4	0		0	2	0	0	0
3	12	1	10	5	15	14		0	12	0	0	0
4	16	1	9	4	14	18		0	2	0	0	0
5	19	0	10	6	17	20		0	3	0	0	0
6	20	0	14	4	16	21		0	12	0	0	0
7	15	0	10	0	18	17		0	8	0	0	0
8	6	0	11	0	20	22		0	2	0	0	0
9	0	0	13	5	22	22		0	1	0	0	0
10	0	1	13	9	20	24		0	1	0	0	0
11	0	3	11	8	19	26		0	0	0	0	0
12	0	4	18	6	19	20		2	1	0	0	0
13	13	4	16	1	19	19		2	1	0	0	0
14	19	0	11	0	18	19		2	1	0	0	0
15	10	0	5	0	15	16		1	10	0	0	0
16	0	0	0	0	16	16		0	1	0	0	0
17	0	6	0	0	18	17		0	0	0	0	0
18	0	14	0	0	19	19		0	0	0	0	0
19	0	11	9	0	19	18		8	1	0	0	0
20	0	6	6	0	20	18		1	5	0	0	0
21	0	5	13	0	21	21		1	1	0	0	0
22	0	9	13	0	22	20		0	9	0	0	0
23	0	19	12	0	20	18		3	9	0	0	0
24	0	15	9	0	3	16		0	4	0	0	0
25	0	9	10	0	0	14		0	1	0	0	0
26	0	23	14	0	0	20		20	1	0	0	0
27	0	16	15	0	1	23		14	1	0	0	0
28	0	10	15	0	0	20		1	6	0	0	0
29	0	15	9	0	0	21		12	1	0	0	0
30	0	12	8	0	0	24		10	0	0	0	0
31	0	12	.....	0	0	.....		8	.....	0	0	.....
Mean	5	9	12	5	16	19		3	4	0	0	0
Max.	20	23	19	9	22	26		20	16	0	0	0
Min.	0	0	0	0	0	0		0	0	0	0	0
A.F.	294	389	629	131	783	1077		169	222	0	0	0

Water diverted 3303 A. F.

Total acre-feet 391.

(See next page for summary in acre-feet of Lisco Canal.)

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

LISCO CANAL
SUMMARY IN ACRE-FEET

Month	Diverted From		Total Diverted	Spill to Cold Water Creek	Net for Irrigation
	North Platte River	Cold Water Creek			
October	294	246	540	0	540
November	0	71	71	0	71
February	0	123	123	0	123
March	0	155	155	0	155
April	0	179	179	0	179
May	389	179	568	169	399
June	629	226	855	222	633
July	131	65	196	0	196
August	783	95	878	0	878
September	1077	175	1252	0	1252
Total	3303	1514	4817	391	4426

Area reported 2935 acres.
Net diverted 4426 A. F.
Per acre 1.51 A. F.

Acresage Reported
A-991 216
A-243 635
D-796 300
D-787 393
D-856 1391

Total 2935

LONERGAN CANAL

Diverted from Lonerган Creek

Date	May	June	July	Aug.	Sept.
1	2	2	1	3	3
2	2	2	1	3	3
3	2	2	1	3	3
4	2	2	1	3	2
5	2	2	1	3	2
6	2	2	1	3	3
7	2	2	1	3	3
8	2	1	2	3	3
9	2	1	2	2	3
10	2	1	2	2	3
11	1	1	2	2	3
12	1	1	1	2	3
13	1	1	3	1	3
14	1	1	3	2	3
15	1	0	3	2	2
16	1	0	0	3	4
17	1	0	0	3	3
18	1	0	0	2	3
19	1	1	0	2	3
20	1	1	0	2	3
21	2	1	0	2	3
22	2	1	0	2	3
23	2	1	0	3	3
24	2	1	0	3	3
25	2	1	0	3	3
26	2	1	1	3	3
27	2	1	1	3	3
28	2	1	4	3	3
29	2	1	4	3	3
30	2	1	1	3	3
31	2	.....	5	3	.....
Mean	2	1	1	3	3
Max.	2	2	5	3	4
Min.	1	0	0	1	2
A.F.	103	65	81	159	176

Area reported 545 acres.
Water diverted 584 A. F.
Per acre 1.07 A. F.

Acresage Reported
D-699 1938 Report 545

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

LYONS CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	0	2	0	0
2	0	0	3	0	0
3	0	0	8	0	0
4	0	0	7	0	0
5	0	0	6	0	0
6	0	0	7	0	0
7	0	0	9	0	0
8	0	0	9	0	0
9	0	0	14	0	0
10	0	3	7	0	0
11	0	3	0	0	0
12	0	5	0	0	0
13	0	11	0	0	0
14	0	7	0	0	0
15	0	5	0	0	0
16	0	7	0	0	0
17	0	10	0	0	0
18	0	8	0	0	0
19	0	6	0	0	0
20	0	10	0	0	0
21	0	14	0	0	0
22	0	20	0	0	0
23	0	21	0	0	0
24	0	10	0	0	0
25	0	5	0	0	0
26	0	3	0	0	0
27	0	4	0	0	0
28	0	5	0	0	0
29	0	3	0	0	0
30	0	3	0	0	0
31	0	.....	0	0	.....
Mean	0	5	2	0	0
Max.	0	21	14	0	0
Min.	0	0	0	0	0
A.F.	0	323	143	0	0

Area reported 2260 acres.
Water diverted 466 A. F.
Per acre 0.18 A. F.

Acreage Reported
D-803 2260

McCARTHY CANAL
Diverted from White Tail Creek

Date	May	June	July	Aug.	Sept.
1	1	1	1	0	0
2	1	1	1	0	0
3	1	1	1	0	0
4	1	1	1	0	0
5	1	1	1	0	0
6	1	1	1	0	0
7	1	1	1	0	0
8	1	1	1	0	0
9	1	1	1	0	0
10	1	1	1	0	0
11	1	1	1	0	1
12	1	1	1	0	1
13	1	1	0	0	1
14	1	1	0	0	1
15	1	1	0	0	1
16	1	1	0	0	1
17	1	1	0	0	1
18	1	1	0	0	1
19	1	1	0	0	1
20	1	1	0	0	1
21	1	1	0	0	1
22	1	1	0	0	1
23	1	1	0	0	1
24	1	1	0	0	1
25	1	1	0	0	1
26	1	1	0	0	1
27	1	1	1	0	1
28	1	1	1	0	1
29	1	1	1	0	1
30	1	1	1	0	1
31	1	.....	1	0	.....
Mean	1	1	0.6	0	0.6
Max.	1	1	1	0	1
Min.	1	1	0	0	0
A.F.	61	60	34	0	40

McINTOSH CANAL
Diverted from Lodgepole Creek

Date	May	June	July	Aug.	Sept.
4	*	1	4	.....	.....
4	*	1	4	.....	.....
4	*	1	4	.....	.....
4	*	1	4	.....	.....
4	*	1	4	.....	.....
4	*	1	4	.....	.....
4	*	3	1	.....	.....
*	*	1	1	.....	.....
*	*	2	1	.....	.....
*	5	2	1	.....	.....
*	5	3	1	.....	.....
*	5	2	1	.....	.....
*	5	3	1	.....	.....
*	3	3	1	.....	.....
*	3	3	1	.....	.....
*	3	3	1	.....	.....
*	3	3	3	.....	.....
*	3	3	3	.....	.....
*	3	3	3	.....	.....
*	3	3	3	.....	.....
*	3	3	3	.....	.....
*	3	3	3	.....	.....
*	3	4	3	.....	.....
0	3	4	3	.....	.....
*	3	4	3	.....	.....
*	3	4	3	.....	.....
*	3	4	3	.....	.....
*	3	4	3	.....	.....
*	3	4	3	.....	.....
*	3	4	3	.....	.....
*	3	4	3	.....	.....
*	2	.....	3	.....	.....
*	*	2	2	.....	.....
*	*	4	4	.....	.....
*	*	1	1	.....	.....
*	*	153	147	123	73

Area reported 70 acres
Water diverted 195 A. F.
Per acre 2.78 A. F.

*No record.
Acreage Reported
D-351 175
A-734 No report filed

Acreage Reported
D-749 70

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

MARANVILLE CANAL							
Diverted from Frenchman River							
Date	Oct.	May	June	July	Aug.	Sept.	
1	*	*	*	*	*	*	2
2	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*
5	*	*	*	0	*	*	*
6	*	*	*	*	*	*	*
7	*	*	*	*	*	*	2
8	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*
10	*	*	*	3	*	*	*
11	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*
13	*	*	2	3	2	3	3
14	*	*	*	*	2	3	3
15	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*
19	*	*	*	*	*	3	*
20	*	*	*	*	*	*	*
21	*	*	*	*	*	*	*
22	*	*	*	*	*	*	*
23	*	*	*	*	*	*	*
24	*	*	*	3	*	2	*
25	*	*	0	*	*	*	*
26	*	*	*	*	*	*	*
27	*	*	*	*	2	0	*
28	*	*	*	*	*	*	*
29	*	*	*	*	*	*	*
30	*	*	0	3	*	*	*
31	*	*	*	*	*
Mean	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*
A.F.	*	*	*	*	*	*	*
*No record.				Acreage Reported D-70-71 395			

MEEKER CANAL							
Diverted from Republican River							
Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	16	36	0	19	26	14	22
2	16	36	0	19	25	24	22
3	16	32	18	21	20	23	21
4	14	32	21	0	18	24	21
5	21	36	22	15	26	20	21
6	21	29	22	9	27	26	21
7	16	30	21	9	27	29	18
8	26	30	21	36	25	24	18
9	28	30	21	29	25	24	19
10	28	30	22	29	26	35	20
11	29	30	23	27	22	35	18
12	31	31	21	29	28	32	21
13	29	30	28	28	30	26	19
14	30	30	28	19	26	30	19
15	30	30	25	29	20	30	19
16	0	30	26	30	26	32	19
17	27	30	30	29	26	29	18
18	20	30	28	27	30	29	19
19	30	30	31	23	34	29	19
20	30	30	31	18	28	28	26
21	30	30	30	0	26	29	20
22	30	0	23	0	29	26	22
23	32	0	29	0	30	25	19
24	32	0	27	0	28	25	18
25	30	0	25	0	26	29	20
26	30	0	35	0	26	26	22
27	30	0	0	0	26	24	22
28	36	0	25	0	30	24	26
29	32	0	25	20	30	22	27
30	32	0	23	15	26	22	18
31	31	.....	29	.....	31	28	.....
Mean	26	22	23	16	27	27	20
Max.	36	36	35	36	34	35	27
Min.	0	0	0	0	18	14	18
A.F.	1593	1293	1408	952	1632	1632	1208
Area reported 2890 acres.				Acreage Reported			
Water diverted 9718 A. F.				D-4-7-8-9 2890			
Per acre 3.36 A. F.							

DEPARTMENT OF ROADS AND IRRIGATION

717

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

MEREDITH-AMMER CANAL
Diverted from Pumpkinseed Creek

Date	Oct.	May	June	July	Aug.	Sept.
1	*	2	3	5	9	7
2	*	6	0	5	2	8
3	*	6	0	5	10	8
4	*	6	0	5	10	8
5	*	6	0	5	10	8
6	*	7	0	4	10	8
7	*	6	0	3	9	8
8	*	5	0	3	10	4
9	*	6	0	0	9	4
10	*	8	2	0	10	4
11	*	8	2	3	10	4
12	*	2	1	1	10	4
13	*	8	1	0	9	4
14	4	8	1	0	8	4
15	*	8	1	0	8	4
16	*	9	1	0	8	4
17	*	8	0	0	9	4
18	*	9	0	0	9	3
19	*	9	0	0	9	3
20	*	8	3	0	8	3
21	*	10	0	0	6	4
22	*	9	0	0	6	5
23	*	10	0	0	5	5
24	*	10	3	1	0	5
25	*	10	3	1	0	5
26	*	7	4	1	0	4
27	*	5	5	1	4	4
28	*	4	6	0	6	4
29	*	5	5	0	6	4
30	*	4	4	0	6	4
31	*	5	....	0	6	....
Mean	*	7	1	1	7	5
Max.	*	10	6	5	10	8
Min.	*	2	0	0	0	3
A.F.	*	424	89	85	440	294

Area reported 892 acres. Acreage Reported
Water diverted—incomplete D-876 892
record—1332 A. F.
Per acre 1.49 A. F.
*No record.

MIDDLE LOUP PUBLIC POWER AND
IRRIGATION DISTRICT CANAL NO. 1
Diverted from Middle Loup River

Date	Oct.	Nov.	Apr.	May.	June	July	Aug.	Sept.
1	15	12	0	13	16	0	37	29
2	15	12	0	15	17	0	36	29
3	14	14	0	19	11	0	36	30
4	14	12	0	16	11	0	36	29
5	14	9	0	16	13	14	36	28
6	15	7	22	19	18	21	37	28
7	16	7	20	17	24	19	36	28
8	16	6	17	18	22	22	28	28
9	15	0	16	15	21	20	34	28
10	15	0	15	15	8	20	31	27
11	15	0	16	14	8	21	28	27
12	14	0	6	13	16	24	29	27
13	13	0	8	11	19	24	29	27
14	12	0	15	10	12	27	31	26
15	12	0	16	9	9	35	32	29
16	10	0	18	8	9	34	33	30
17	11	0	6	8	8	36	23	30
18	12	0	2	8	15	37	28	28
19	13	0	2	8	13	27	30	28
20	13	0	7	10	15	9	29	28
21	13	0	12	10	20	29	29	28
22	14	0	14	13	13	31	29	26
23	12	0	15	13	13	33	29	26
24	10	0	16	9	12	33	30	27
25	9	0	15	12	30	33	31	25
26	9	0	13	14	22	33	30	25
27	10	0	14	7	14	34	29	24
28	11	0	13	7	14	36	29	24
29	11	0	11	2	6	35	28	26
30	10	0	12	1	0	36	29	24
31	10	....	....	5	....	36	29	....
Mean	13	3	11	11	14	24	31	27
Max.	16	14	22	19	30	37	37	30
Min.	9	0	0	1	0	0	23	24
A.F.	780	157	637	704	851	1505	1906	1624

Water diverted 8164 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 2							
Diverted from Middle Loup River							
Date	Apr.	May	June	July	Aug.	Sept.	
1	0	13	0	7	52	43	
2	0	15	2	14	50	47	
3	0	17	5	13	48	45	
4	0	14	6	12	47	45	
5	0	16	6	12	48	43	
6	13	18	4	13	48	41	
7	11	22	8	9	48	41	
8	11	24	6	10	51	43	
9	9	20	10	9	47	43	
10	14	22	9	10	46	43	
11	15	26	7	10	44	43	
12	13	23	10	16	43	42	
13	11	24	12	19	44	43	
14	10	23	10	24	45	42	
15	11	22	11	32	46	42	
16	12	22	12	36	48	40	
17	5	22	10	43	48	40	
18	0	24	11	43	46	37	
19	0	22	11	45	47	36	
20	0	26	11	48	50	36	
21	0	20	15	48	48	36	
22	2	24	11	48	47	36	
23	7	28	8	48	46	36	
24	12	20	5	48	45	36	
25	13	21	0	48	45	35	
26	13	28	0	50	45	36	
27	14	33	0	50	44	35	
28	14	9	0	51	48	32	
29	14	0	0	49	46	31	
30	15	0	0	46	47	29	
31	....	0	....	48	47	....
Mean	8	19	7	31	47	39	
Max.	15	33	15	51	52	48	
Min.	0	0	0	7	43	29	
A.F.	474	1186	397	1902	2884	2344	
Water diverted	9187 A. F.						

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 3								
Diverted from Middle Loup River								
Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	42	29	0	44	24	22	68	39
2	43	12	0	47	25	23	72	40
3	43	0	0	49	23	24	69	39
4	44	0	0	50	21	26	62	40
5	41	0	13	49	18	27	61	40
6	45	0	14	47	17	29	59	39
7	44	0	18	48	18	31	56	38
8	44	0	18	45	20	37	55	37
9	43	0	20	42	18	35	52	38
10	43	0	22	41	14	38	52	38
11	43	0	30	41	12	41	52	38
12	42	0	32	38	16	45	52	38
13	41	0	31	37	16	52	51	37
14	42	0	29	37	13	52	50	38
15	41	0	29	37	14	48	50	37
16	39	0	29	37	12	48	48	37
17	41	0	28	38	10	48	47	37
18	44	0	26	39	10	56	46	37
19	45	0	27	42	12	63	45	36
20	44	0	27	45	15	66	45	36
21	42	0	26	43	18	68	46	38
22	40	0	25	37	15	72	46	37
23	37	0	24	32	14	72	46	36
24	35	0	29	30	12	71	44	36
25	34	0	24	31	18	68	45	36
26	34	0	35	33	17	68	42	37
27	33	0	36	35	21	67	38	36
28	32	0	38	33	21	67	38	35
29	31	0	39	30	19	66	40	35
30	31	0	41	27	20	65	40	35
31	30	....	....	26	....	64	40	....
Mean	40	1	24	29	17	50	50	37
Max.	45	29	41	50	25	72	72	40
Min.	30	0	0	26	10	22	38	35
A.F.	2452	80	1428	2400	998	3092	3088	2221
Water diverted	15759 A. F.							

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

MIDDLE LOUP PUBLIC POWER AND
IRRIGATION DISTRICT CANAL NO. 4
Diverted from Middle Loup River

Date	Oct.	Nov.	Apr.	May.	June	July	Aug.	Sept.
1	29	32	0	25	28	12	69	34
2	28	15	0	28	33	13	69	35
3	27	0	0	30	30	15	68	33
4	25	0	0	26	28	17	66	34
5	30	0	15	26	28	19	63	33
6	35	0	15	41	27	22	60	32
7	35	0	18	45	27	24	61	31
8	34	0	17	41	29	26	58	37
9	32	0	17	35	30	28	54	42
10	32	0	20	34	30	29	52	45
11	37	0	24	38	27	30	52	43
12	33	0	16	38	25	34	51	41
13	36	0	16	32	25	41	49	41
14	34	0	17	30	22	44	48	39
15	34	0	19	31	23	66	47	39
16	33	0	20	30	23	78	48	43
17	33	0	16	30	22	82	48	46
18	37	0	15	35	23	89	48	49
19	40	0	15	32	23	90	46	51
20	42	0	14	34	24	88	48	49
21	24	0	12	34	25	84	47	49
22	31	0	17	35	24	83	46	48
23	36	0	19	37	24	79	45	46
24	31	0	25	25	23	78	44	46
25	28	0	25	24	25	75	44	46
26	28	0	25	28	18	70	41	47
27	30	0	27	32	17	68	38	48
28	28	0	22	26	15	68	38	48
29	29	0	20	23	14	69	38	49
30	28	0	22	26	13	67	35	48
31	28	.....	.....	28	.....	66	34	.....
Mean	32	1	16	32	24	53	50	42
Max.	42	32	27	45	33	90	69	51
Min.	25	0	0	23	13	12	34	31
A.F.	1958	89	968	1942	1438	3281	3084	2519
Water diverted 15279 A. F.								

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.	Total
Diversion:—									
Canal No. 1.....	780	157	637	704	851	1505	1906	1624	8164
Canal No. 2.....	0	0	474	1186	397	1902	2884	2344	9187
Canal No. 3.....	2452	80	1428	2400	998	3092	3088	2221	15759
Canal No. 4.....	1958	89	968	1942	1438	3281	3084	2519	15279
Total diverted.....	5190	326	3507	6232	3684	9780	10962	8708	48389
Return through spillways:—									
Canal No. 1.....	0	0	121	107	403	97	165	71	964
Canal No. 2.....	0	0	111	153	153	224	736	1006	2683
Canal No. 3.....	0	0	625	1085	559	1184	1200	603	5256
Canal No. 4.....	0	0	147	313	349	206	597	101	1713
Total return.....	0	0	1004	1958	1464	1711	2698	1781	10616
Net diverted.....	5190	326	2503	4274	2220	8069	8264	6927	37773
Area reported 41607 acres.							Acreage Reported		
Net diverted 37773 A. F.							A-2293		
Per acre 0.91 A. F.							A-2678		
							Total		
							41607		

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

MIDLAND-OVERLAND CANAL						MINATARE CANAL				
Diverted from North Platte River						Diverted from North Platte River				
Date	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	0	17	8	0	0					
2	0	19	8	0	0					
3	0	12	9	0	0					
4	0	8	0	0	3					
5	0	8	10	0	4					
6	0	7	15	0	0	31	75	91	95	70
7	0	7	16	0	0	31	80	99	84	71
8	0	7	17	6	0	35	81	95	66	71
9	0	5	5	11	0	61	86	91	64	69
10	0	4	12	12	0	62	91	88	58	64
11	0	3	4	13	0	61	82	89	63	55
12	0	5	0	13	7	69	76	91	60	50
13	0	19	0	9	21	73	72	87	58	52
14	0	21	0	0	21	73	60	98	60	58
15	0	20	0	0	22	86	56	95	64	62
16	0	16	0	0	12	82	53	93	74	65
17	0	16	0	0	0	83	43	47	82	69
18	0	16	0	0	0	81	37	4	97	70
19	0	15	0	0	7	88	33	0	99	70
20	0	14	0	0	21	106	24	1	86	72
21	0	15	0	0	22	123	25	26	63	73
22	0	15	0	0	22	124	30	106	55	73
23	0	15	0	0	21	121	31	111	56	75
24	0	15	0	0	20	132	42	91	59	78
25	11	14	0	0	18	131	47	103	65	73
26	15	14	0	0	21	115	46	105	72	73
27	14	12	0	0	22	78	57	105	53	73
28	16	12	0	0	17	66	69	101	17	65
29	16	11	0	0	16	82	80	97	43	63
30	15	8	0	0	16	91	84	98	60	56
31	16	....	0	0	....	107	....	99	62	....
Mean	3	12	3	2	10	71	59	84	71	66
Max.	16	21	17	17	22	132	91	111	104	78
Min.	0	3	0	0	0	0	24	0	17	50
A.F.	204	734	206	127	621	4348	3517	5171	4374	3941

Area reported 2043 acres. Acreage
 Water diverted 1892 A. F. Reported
 Per acre 0.92 A. F. D-789 1000
 D-791 941
 D-800 102

Water diverted 21351 A. F.

MINATARE CANAL						Total
NORTH PLATTE RIVER						2043
McGrew Spillway—Sec. 21-21-53						W.
Date	May	June	July	Aug.	Sept.	
1	0	20	8	33	4	
2	0	12	0	37	10	
3	0	24	0	42	14	
4	0	25	0	26	9	
5	0	5	2	3	10	
6	11	6	0	17	2	
7	24	8	0	53	22	
8	24	8	0	33	27	
9	12	22	7	42	33	
10	9	24	0	37	42	
11	2	48	0	53	42	
12	2	0	0	48	24	
13	15	0	0	33	3	
14	24	12	0	22	1	
15	22	12	3	7	10	
16	5	42	4	5	24	
17	0	6	0	5	17	
18	0	27	0	10	20	
19	0	12	0	10	12	
20	0	23	0	15	20	
21	0	24	0	8	4	
22	0	14	0	11	10	
23	0	14	4	15	3	
24	0	18	11	14	20	
25	0	7	15	10	8	
26	0	9	17	15	12	
27	0	20	24	22	24	
28	8	13	22	0	47	
29	5	0	20	0	50	
30	0	8	38	12	31	
31	6	....	37	6	....
Mean	5	15	7	21	19	
Max.	24	48	38	53	50	
Min.	0	0	0	0	1	
A.F.	335	918	420	1283	1101	

Total acre-feet 4057.

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

MINATARE CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River.....	4348	3517	5171	4374	3941	21351
Spill to North Platte River.....	335	918	420	1283	1101	4057
Net diverted	4013	2599	4751	3091	2840	17294

Area reported 7181 acres.
Net diverted 17294 A. F.
Per acre 2.40 A. F.

Acreage Reported
D-919 7181

MITCHELL CANAL

Date	Diverted from North Platte River						Sept.	
	Oct.	Nov.	Apr.	May.	June	July	Aug.	
1	62	1	0	4	192	188	3	65
2	63	1	0	4	195	194	3	65
3	61	1	0	90	187	192	26	65
4	63	1	0	117	178	190	122	64
5	63	1	0	107	187	180	192	67
6	66	1	0	102	192	191	194	68
7	62	1	0	96	190	191	196	55
8	57	1	0	95	194	192	196	9
9	52	1	0	126	192	194	195	3
10	51	1	0	145	190	195	191	3
11	26	1	0	150	191	194	171	13
12	3	1	0	155	194	194	83	137
13	3	1	0	171	199	43	3	173
14	2	1	0	183	199	3	3	190
15	2	1	0	169	173	3	3	198
16	2	1	3	168	103	3	3	195
17	2	1	3	163	50	3	3	194
18	2	1	3	167	13	3	3	190
19	2	1	3	169	3	3	3	167
20	2	1	3	169	3	3	3	103
21	2	0	3	168	3	3	3	107
22	2	0	3	169	3	3	3	107
23	2	0	3	166	3	3	3	107
24	2	0	3	175	3	3	3	107
25	2	0	3	187	3	3	6	104
26	1	0	4	185	69	3	23	102
27	1	0	4	196	94	3	3	100
28	1	0	4	191	102	3	38	100
29	1	0	4	189	144	3	87	103
30	1	0	4	196	173	3	87	102
31	1	.....	.....	194	.....	3	71	.....
Mean	21	1	3	147	121	77	62	102
Max.	66	1	4	196	199	195	196	198
Min.	1	0	0	4	3	3	3	3
A.F.	1313	40	99	9057	7184	4764	3814	6075

Area reported 13667 acres.
Water diverted 32346 A. F.
Per acre 2.37 A. F.

Acreage Reported
Not adjudicated 13667

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND- FEET, 1939—Continued

MUTUAL CANAL
Diverted from Pumpkinseed Creek

Date	May	June	July	Aug.	Sept.
1	0	5	0	0	7
2	0	6	0	0	8
3	0	5	0	3	8
4	0	5	0	3	9
5	0	4	0	3	10
6	0	5	0	8	11
7	0	5	0	3	4
8	0	5	0	7	4
9	0	0	0	6	4
10	0	0	0	7	4
11	0	0	0	7	4
12	0	0	0	7	4
13	0	0	0	7	4
14	0	0	0	3	3
15	0	0	0	0	3
16	0	0	0	0	3
17	0	0	0	9	3
18	4	0	0	9	3
19	4	0	0	11	3
20	5	0	0	11	3
21	5	0	0	10	4
22	5	0	0	8	4
23	4	0	0	8	4
24	4	0	0	8	4
25	5	0	0	8	4
26	5	0	3	7	4
27	5	0	5	7	4
28	5	0	5	7	4
29	5	0	5	5	4
30	5	0	4	5	4
31	5	0	5	7	4
Mean	2	1	2	6	4
Max.	5	6	5	11	11
Min.	0	0	0	0	3
A.F.	131	79	54	365	282
Area reported	455 acres.				
Water diverted	911 A. F.				
Per acre	2.00 A. F.				

NINE MILE CANAL
Diverted from North Platte River

Date	Oct.	May	June	July	Aug.	Sept.
1	42	0	57	69	33	66
2	53	0	25	60	35	61
3	54	0	41	67	81	42
4	51	0	55	64	76	44
5	50	0	45	68	67	60
6	46	0	44	61	77	55
7	38	0	57	52	75	56
8	15	18	60	57	60	49
9	2	17	54	71	60	50
10	1	14	54	68	62	53
11	1	14	50	70	52	64
12	1	28	50	64	56	55
13	1	38	51	25	60	67
14	1	69	49	8	61	84
15	1	67	50	5	60	76
16	0	63	35	4	58	79
17	0	51	28	4	62	74
18	0	43	35	3	69	60
19	0	62	36	3	69	63
20	0	64	35	4	64	58
21	0	66	35	3	46	56
22	0	79	27	3	58	63
23	0	77	34	61	63	56
24	0	78	40	10	56	57
25	0	74	38	10	3	55
26	0	79	45	30	6	64
27	0	78	55	57	5	60
28	0	66	63	43	54	52
29	0	81	82	8	61	54
30	0	84	86	6	56	44
31	0	78	...	46	69	...
Mean	11	45	47	36	55	59
Max.	54	84	86	71	81	84
Min.	0	0	25	3	3	42
A.F.	708	2753	2809	2190	3400	3525
Area reported	5883 acres.					
Water diverted	15385 A. F.					
Per acre	2.62 A. F.					

NISSEN CANAL
Diverted from Sand Creek

Date	May	June	July	Aug.	Sept.
1	0	3	0	0	0
2	0	3	0	0	0
3	0	1	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	0	0	0	0
Mean	1	0.3	0	0	0
Max.	3	3	0	0	0
Min.	0	0	0	0	0
A.F.	91	20	0	0	0
Area reported	270 acres.				
Water diverted	111 A. F.				
Per acre	0.41 A. F.				

Acreage Reported
D-925 5883

Acreage Reported
A-606 1938 Report 270

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

NORTH LOUP RIVER PUBLIC POWER
AND IRRIGATION DISTRICT

TAYLOR-ORD CANAL

Diverted from North Loup River

Date	Apr.	May	June	July	Aug.	Sept.
1	0	94	39	0	159	51
2	0	98	43	18	132	50
3	0	98	44	37	140	50
4	0	98	42	41	147	50
5	0	97	44	45	146	49
6	0	92	44	46	144	49
7	0	86	45	52	142	48
8	0	78	45	66	141	48
9	0	76	46	64	123	47
10	0	75	43	66	124	46
11	0	76	44	71	124	47
12	0	66	45	87	114	48
13	0	66	45	110	120	48
14	0	64	43	122	123	51
15	0	61	44	133	126	53
16	0	64	40	173	131	56
17	0	72	41	182	133	60
18	59	83	44	184	138	61
19	54	95	46	178	132	62
20	81	92	48	178	124	64
21	88	94	46	173	116	65
22	84	80	45	171	116	66
23	83	63	46	160	115	67
24	81	62	46	163	116	66
25	78	55	0	157	124	68
26	84	55	0	162	124	67
27	90	50	0	163	124	66
28	82	46	0	170	112	66
29	91	45	0	170	85	66
30	92	46	0	168	79	66
31	...	36	...	165	69	...
Mean	35	73	36	118	124	57
Max.	92	98	48	184	159	68
Min.	0	36	0	0	69	46
A.F.	2077	4439	2098	7289	7622	3374

Water diverted 26949 A. F.

NORTH LOUP RIVER PUBLIC POWER
AND IRRIGATION DISTRICT

BURWELL-SUMTER CANAL

Diverted from North Loup River

Date	Apr.	May	June	July	Aug.	Sept.
1	0	35	27	0	43	16
2	0	63	18	0	36	17
3	0	45	28	0	27	16
4	0	39	39	0	34	13
5	0	39	20	0	31	9
6	0	32	18	0	37	8
7	0	*	26	0	53	7
8	0	*	19	0	37	7
9	0	*	22	0	30	13
10	0	*	13	0	38	24
11	0	*	13	0	25	22
12	0	*	21	0	16	21
13	0	31	13	0	19	21
14	0	33	21	13	21	38
15	0	39	18	12	20	22
16	0	37	15	29	19	28
17	0	37	13	45	35	30
18	0	34	11	41	36	24
19	0	36	13	83	37	19
20	0	*	10	95	33	17
21	0	*	13	63	42	20
22	0	*	10	71	45	18
23	0	*	4	85	59	20
24	19	*	0	99	53	19
25	36	*	0	91	99	22
26	33	*	0	75	*	22
27	34	*	0	91	*	21
28	34	*	0	75	*	20
29	25	*	0	87	*	21
30	16	*	0	95	*	24
31	...	13	...	83	*	...
Mean	6	16	13	40	30	19
Max.	36	63	39	99	99	30
Min.	0	*	0	0	*	7
A.F.	391	1018	803	2445	1835	1129

Water diverted—incomplete record—

7621 A. F.

*No record.

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

NORTH LOUP RIVER PUBLIC POWER
AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL
Diverted from North Loup River

Date	Apr.	May	June	July	Aug.	Sept.
1	0	48	10	16	*	28
2	0	50	11	16	*	27
3	0	54	17	16	*	26
4	0	52	19	15	*	25
5	0	48	18	16	*	26
6	0	42	18	22	*	25
7	0	40	20	28	*	26
8	0	40	18	39	*	26
9	0	37	19	44	*	26
10	0	37	14	52	*	26
11	0	36	13	54	*	26
12	12	35	15	44	*	25
13	13	35	9	82	*	26
14	14	34	12	93	*	26
15	16	33	14	98	*	25
16	17	34	14	99	*	26
17	17	37	15	96	52	28
18	19	36	15	95	*	28
19	21	35	15	93	47	30
20	25	36	15	93	47	30
21	25	38	15	91	46	32
22	24	29	14	85	44	31
23	25	26	15	85	45	30
24	24	14	15	85	44	28
25	26	11	34	82	44	26
26	31	7	10	86	42	26
27	34	0	11	81	38	26
28	42	0	13	82	38	25
29	42	0	13	84	33	25
30	45	5	15	*	32	20
31	.....	10	.....	*	30	.....
Mean	16	30	15	60	19	17
Max.	45	54	34	99	52	32
Min.	0	0	9	15	30	20
A.F.	936	1862	904	3713	1154	1587

Water diverted—incomplete record—
10156 A. F.

*No record.

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
SUMMARY IN ACRE-FEET

	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
Taylor-Ord Canal	2077	4489	2098	7289	7622	3374	26949
Burwell-Sumter Canal	391	1018	803	2445	1835	1129	7621
Ord-North Loup Canal.....	936	1862	904	3713	1154	1587	10156
Total diverted	3404	7369	3805	13447	10611	6090	44726
Return through spillways:—							
Taylor-Ord Canal	60	355	61	32	135	232	875
Burwell-Sumter Canal	18	208	121	103	329	321	1100
Ord-North Loup Canal.....	36	224	228	180	333	119	1120
Total return	114	787	410	315	797	672	3095
Net diverted	3290	6582	3395	13132	9814	5418	41631

Area reported 24536 acres.
Net diverted 41631 A. F.
Per acre 1.70 A. F.

Acreage Reported
A-2312 24536

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

NORTH PLATTE CANAL							
Date	Diverted from North Platte River						
	Oct.	Nov.	May	June	July	Aug.	Sept.
1	130	119	0	80	129	187	180
2	170	90	0	79	123	184	180
3	160	96	0	57	123	189	139
4	39	100	0	56	124	185	143
5	10	80	148	85	114	188	119
6	10	26	50	84	94	167	115
7	10	0	69	112	128	123	122
8	10	0	140	172	142	175	149
9	10	0	185	187	138	181	180
10	10	0	168	154	151	146	182
11	10	0	152	130	157	129	140
12	10	0	113	154	176	113	149
13	10	0	98	167	189	100	179
14	25	0	116	150	183	113	*185
15	76	0	109	185	172	135	180
16	61	0	123	158	138	124	176
17	64	0	151	193	0	135	144
18	86	0	142	174	0	162	172
19	86	0	180	203	0	178	187
20	75	0	167	178	0	175	174
21	72	0	157	125	65	174	158
22	90	0	153	169	189	130	153
23	29	0	148	134	183	146	142
24	86	0	137	130	194	145	127
25	91	0	145	140	191	142	175
26	78	0	122	144	184	162	117
27	73	0	101	158	185	163	146
28	72	0	92	156	179	174	107
29	56	0	97	105	154	182	104
30	122	0	116	133	190	195	101
31	107	.....	82	.....	190	187	.....
Mean	63	17	111	138	135	158	151
Max.	170	119	185	203	194	195	189
Min.	10	0	0	56	0	100	101
A.F.	3844	1014	6865	8235	8300	9697	8993
Water diverted 46948 A. F.							

NORTH PLATTE CANAL SPILL TO NORTH PLATTE RIVER

Date	Cooks Spillway—Sec. 26-14-31 W.						
	Oct.	Nov.	May	June	July	Aug.	Sept.
1	51	25	0	8	14	1	0
2	24	8	0	18	21	1	0
3	42	14	0	3	27	0	0
4	8	14	0	3	52	0	0
5	0	13	0	10	50	0	0
6	0	0	0	3	4	0	0
7	0	0	0	0	1	1	0
8	0	0	36	2	4	2	0
9	0	0	52	4	1	2	0
10	0	0	37	21	0	2	0
11	0	0	20	6	0	1	0
12	0	0	5	10	0	1	0
13	0	0	3	13	0	0	0
14	0	0	15	12	0	0	0
15	1	0	8	24	0	5	0
16	10	0	4	16	0	2	0
17	3	0	7	1	0	0	0
18	2	0	2	2	0	0	0
19	6	0	5	1	0	0	0
20	0	0	14	0	0	0	0
21	0	0	31	0	0	0	0
22	2	0	18	17	0	0	0
23	8	0	13	18	0	0	10
24	9	0	30	12	0	0	3
25	9	0	20	19	0	0	0
26	8	0	19	15	0	0	0
27	11	0	24	8	0	0	0
28	19	0	22	18	0	0	0
29	0	0	16	0	0	0	0
30	23	0	27	2	0	0	0
31	24	.....	16	.....	9	0	.....
Mean	8	2	14	9	6	0.5	0.5
Max.	51	25	52	24	52	5	10
Min.	0	0	0	0	0	0	0
A.F.	516	147	881	528	363	36	26
Total acre-feet 2497.							

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

NORTH PLATTE CANAL SPILL To Scout Creek—Sec. 24-14-31 W.							
Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	15	30	0	19	14	0	0
2	10	27	0	26	22	0	0
3	13	28	0	16	17	0	19
4	13	27	0	16	5	0	8
5	0	22	0	22	0	0	0
6	0	6	21	18	13	0	0
7	0	0	0	0	14	0	0
8	0	0	52	15	0	0	0
9	0	0	40	10	0	8	0
10	0	0	29	16	1	31	0
11	0	0	24	0	0	11	0
12	0	0	15	20	0	6	0
13	0	0	14	20	0	14	0
14	0	0	26	21	0	0	0
15	19	0	20	32	0	14	0
16	19	0	18	18	0	0	0
17	16	0	14	18	0	0	0
18	15	0	13	10	0	0	0
19	19	0	14	14	0	0	22
20	14	0	23	18	0	0	13
21	14	0	32	14	0	0	0
22	19	0	18	24	0	0	0
23	18	0	18	24	0	0	16
24	17	0	24	22	0	0	18
25	24	0	24	24	0	0	18
26	32	0	22	23	0	0	18
27	25	0	24	22	0	0	18
28	24	0	25	22	0	0	18
29	14	0	24	4	0	0	14
30	18	0	27	0	0	0	8
31	28	...	22	...	0	0	...
Mean	12	5	19	16	3	3	6
Max.	32	30	52	32	22	31	22
Min.	0	0	0	6	0	0	0
A. F.	766	278	1156	1008	171	167	377
Total acre-feet 3923.							

NORTH PLATTE CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from No. Platte River	3844	1014	6865	8235	8300	9697	8993	46948
Spill to:—								
Scout Creek	766	278	1156	1008	171	167	377	3923
North Platte River (Cooks Spillway)	516	147	881	528	363	36	26	2497
Total spill	1282	425	2037	1536	534	203	403	6420
Net diverted	2562	589	4828	6699	7766	9494	8590	40528

Area reported 13506 acres.
 Net diverted 40528 A. F.
 Per acre 3.00 A. F.

Acreage Reported
 D-635 13506

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

NORTHPORT CANAL							NORTHPORT CANAL SPILL				
Diverted from North Platte River and Pathfinder Reservoir							To Indian Creek— Sec. 21-21-50 W.				
Measured at Tri-State Rating Flume							May	June	July	Aug.	Sept.
Date	Oct.	May	June	July	Aug.	Sept.					
1	60	0	230	154	215	244	0	0	0	0	0
2	49	0	230	170	219	236	0	0	0	0	0
3	48	0	230	198	227	248	0	0	0	0	0
4	46	0	230	198	229	233	0	0	0	0	0
5	44	0	230	207	223	226	0	0	0	0	0
6	16	0	230	179	223	226	0	0	0	0	0
7	0	0	230	174	224	210	0	0	0	0	0
8	0	0	230	183	226	199	0	0	0	0	0
9	0	57	230	180	223	223	0	0	0	0	0
10	0	188	230	180	229	234	0	0	0	0	0
11	0	124	230	180	226	215	0	0	0	0	0
12	0	114	230	182	207	262	0	0	0	0	0
13	0	226	230	144	210	227	0	0	0	0	0
14	0	230	230	146	214	224	0	0	0	0	0
15	0	231	230	226	204	243	0	0	0	0	0
16	0	203	230	207	198	229	0	0	0	0	0
17	0	223	230	215	200	229	0	0	0	0	0
18	0	223	219	212	215	227	0	0	0	0	0
19	0	182	217	194	215	234	0	0	0	0	0
20	0	184	220	202	223	106	0	0	0	0	0
21	0	217	168	202	233	0	0	0	0	0	0
22	0	241	148	210	219	0	0	0	0	0	0
23	0	247	136	243	212	0	25	0	0	0	0
24	0	263	103	243	213	0	25	0	0	0	0
25	0	286	74	217	220	0	0	0	0	0	0
26	0	286	73	220	212	0	0	0	0	0	0
27	0	286	144	229	213	0	0	0	0	0	0
28	0	286	138	233	234	0	0	0	0	0	0
29	0	286	128	229	229	0	0	0	0	0	0
30	0	286	113	220	214	0	0	0	0	0	0
31	0	277	.....	215	229	.....	2	0	0	0	0
Mean	8	16	193	200	219	149	25	0	0	0	0
Max.	60	286	230	243	236	262	0	0	0	0	0
Min.	0	0	73	144	188	0	99	0	0	0	0
A.F.	522	10207	11487	12282	13464	8876	Total acre-feet 99.				

Water diverted 56338 A. F. including storage.

NORTHPORT CANAL SPILL							NORTHPORT CANAL SPILL				
To Upper Dugout Creek— Sec. 13-20-50 W.							To Silvernail Drain— Sec. 31-20-49 W.				
Date	May	June	July	Aug.	Sept.		May	June	July	Aug.	Sept.
1	0	14	0	0	0	0	0	6	5	0	0
2	0	10	0	0	0	0	0	18	0	0	0
3	0	12	0	0	0	0	0	32	3	0	0
4	0	51	0	0	0	0	0	20	0	0	0
5	0	42	0	0	0	0	0	27	3	0	0
6	0	26	0	0	0	0	0	20	3	0	0
7	0	13	0	0	0	0	0	29	7	0	0
8	8	7	0	0	0	0	0	29	25	0	0
9	15	7	0	0	0	0	0	13	24	0	0
10	7	17	0	0	0	0	10	28	27	0	0
11	10	17	0	0	0	0	10	31	20	0	0
12	10	37	0	0	0	0	10	32	13	0	0
13	10	40	0	0	0	0	25	15	11	0	0
14	25	28	0	0	0	0	22	16	11	0	0
15	10	29	0	0	0	0	8	12	8	0	0
16	10	30	0	0	0	0	8	15	0	0	0
17	4	33	0	0	0	0	6	40	0	0	0
18	0	20	0	0	0	0	5	22	0	0	0
19	0	18	0	0	0	0	0	29	0	0	0
20	0	33	0	0	0	0	0	29	0	0	0
21	0	46	0	0	0	0	2	39	0	0	0
22	0	0	0	0	0	0	0	41	0	0	0
23	0	0	0	0	0	0	0	41	14	0	0
24	0	0	0	0	0	0	0	36	0	0	0
25	0	0	0	0	0	0	5	14	0	0	0
26	0	0	0	0	0	0	0	3	0	0	0
27	0	0	0	0	0	0	0	3	0	0	0
28	0	0	0	0	0	0	0	7	4	0	0
29	0	0	0	0	0	0	0	0	7	0	0
30	0	0	0	0	0	0	3	0	5	0	0
31	0	.....	0	0	0	.....	0	.....	0	0	.....
Mean	4	18	0	0	0	0	4	22	6	0	0
Max.	25	51	0	0	0	0	25	41	27	0	0
Min.	0	0	0	0	0	0	0	0	0	0	0
A.F.	216	1051	0	0	0	0	236	1295	377	0	0
Total acre-feet 1267.							Total acre-feet 1908.				

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

NORTHPORT CANAL SPILL To Plum Creek—Sec. 22-20-49 W.					
Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	1	0	0	0
4	0	2	0	0	0
5	0	2	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	2	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	2	0	0	0	0
14	4	0	0	0	0
15	3	0	0	0	0
16	3	0	0	0	0
17	1	0	0	0	0
18	0	5	0	0	0
19	0	3	0	0	0
20	0	9	0	0	0
21	0	9	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	.....	0	0	.....
Mean	0.5	1	0	0	0
Max.	4	9	0	0	0
Min.	0	0	0	0	0
A.F.	30	61	0	0	0
Total acre-feet	91.				

NORTHPORT CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Total diverted	522	10207	11487	12282	13464	8876	56838
Spill to:—							
Indian Creek	0	0	99	0	0	0	99
Upper Dugout Creek.....	0	216	1051	0	0	0	1267
Silvernail Drain	0	236	1295	377	0	0	1908
Plum Creek	0	30	61	0	0	0	91
Total spill	0	482	2506	377	0	0	3365
Net diverted	522	9725	8981	11905	13464	8876	53473

Area reported 16109 acres.
 Net diverted 53473 A. F. including storage.
 Per acre 3.32 A. F.
 Storage diverted 36225 A. F.

Acreage Reported
 A-768 16109

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

OLIVER RESERVOIR—KIMBALL IRRIGATION DISTRICT
Diverted from Lodgepole Creek, Storage in Acre-feet

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1970						5110			3260		
2												1170
3			3170						4240			
4					4200	4570						
5		2550									1710	
6								5520				
7				3800								
8	1770						5190			2990		
9												1030
10			3320				5230		4030			
11					4280	4720						
12		2710										
13								5510				
14				3930								
15	1930						5270	5430		2430		
16												880
17			3440						3700			
18					4390	4870						
19		2870									1550	
20								4950				
21				4030								
22	2130						5430			2130		
23												695
24			3230						3380			
25		3020			4460	4990						
26											1220	
27								4240				
28				4090								
29	2310									1930		
30												720
31			3670									

ORCHARD-ALFALFA CANAL

Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	18	57	0	35	18	7	0	0
2	21	55	0	37	20	4	0	0
3	15	54	0	56	25	10	0	0
4	14	49	0	53	24	6	0	0
5	20	48	0	41	21	9	0	0
6	31	47	0	46	19	12	0	0
7	32	44	0	34	19	8	0	0
8	34	31	0	33	18	13	0	0
9	36	46	0	40	18	9	0	0
10	40	51	0	31	1	0	0	0
11	44	50	0	20	0	0	0	0
12	52	53	0	30	0	0	0	0
13	52	51	0	37	0	0	0	0
14	53	52	0	36	14	0	0	0
15	53	53	0	38	9	10	0	0
16	39	55	0	36	4	38	0	0
17	42	54	0	57	0	37	0	0
18	34	57	0	67	0	48	0	0
19	49	56	0	45	2	2	0	0
20	49	48	16	30	2	9	0	0
21	44	50	14	30	5	12	0	0
22	41	17	13	34	1	27	0	0
23	40	0	13	27	2	24	0	0
24	40	0	11	23	2	19	0	0
25	42	0	20	23	1	26	0	0
26	47	0	27	19	2	29	0	0
27	50	0	30	21	3	34	0	0
28	57	0	28	19	0	38	0	0
29	56	0	31	15	3	35	0	0
30	59	0	32	13	10	35	0	0
31	59	0		17	0	0	0	0
Mean	41	36	22	34	10	20	0	0
Max.	59	57	32	67	25	48	0	0
Min.	14	0	0	13	0	0	0	0
A.F.	2505	2138	472	2069	482	994	0	0

Area reported 5950 acres. Acreage Reported
 Water diverted 8660 A. F. including storage. D-627 5950
 Per acre 1.46 A. F.
 Storage diversions 839 A. F.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

OSHKOSH CANAL
Diverted from North Platte River.

Date	Oct.	May	June	July	Aug.	Sept.
1	10	0	0	0	0	0
2	10	0	0	6	0	0
3	9	0	0	5	0	0
4	10	0	0	5	0	0
5	10	0	0	8	0	0
6	10	0	0	12	0	0
7	10	0	0	8	0	0
8	10	0	0	11	0	0
9	10	0	0	4	0	0
10	11	0	0	0	0	0
11	11	0	0	0	0	0
12	11	0	0	0	0	0
13	10	0	0	0	0	0
14	9	0	0	0	0	0
15	9	0	0	0	0	0
16	9	0	0	0	0	0
17	8	0	0	0	0	0
18	8	0	0	0	0	0
19	8	0	3	0	0	0
20	8	0	6	0	0	0
21	5	0	10	0	0	0
22	5	0	14	0	0	0
23	5	0	12	0	0	0
24	5	0	9	0	0	0
25	3	0	7	0	0	0
26	0	0	7	0	0	0
27	0	0	7	0	0	0
28	0	0	6	0	0	0
29	0	0	3	0	0	0
30	0	0	0	0	0	0
31	0	0	.....	0	0	0
Mean	7	0	3	2	0	0
Max.	11	0	14	12	0	0
Min.	0	0	0	0	0	0
A.F.	424	0	167	117	0	0

Area reported 2846 acres.
Water diverted 708 A. F.
Per acre 0.25 A. F.

Acreage Reported	
D-797	2684
A-243R	162
Total	2846

OTTER CREEK CANAL
Diverted from Otter Creek

Date	May	June	July	Aug.	Sept.
1	0	10	1	7	1
2	0	10	1	0	1
3	0	2	1	2	1
4	0	2	1	7	1
5	0	2	1	7	1
6	0	2	1	7	1
7	0	1	1	7	1
8	0	1	1	7	1
9	0	1	1	7	1
10	0	1	1	4	1
11	2	1	3	4	2
12	2	1	4	4	2
13	2	1	0	5	2
14	1	1	0	4	2
15	2	1	0	4	2
16	2	1	0	4	2
17	3	1	0	4	2
18	3	1	0	5	2
19	2	4	0	5	2
20	3	1	0	5	2
21	4	4	0	5	1
22	3	3	0	5	1
23	3	3	0	5	1
24	7	3	0	5	1
25	6	3	0	5	1
26	7	3	0	5	1
27	7	3	0	4	1
28	7	3	0	1	1
29	5	1	0	1	1
30	5	1	0	1	1
31	5	.....	0	1	.....
Mean	3	2	0.5	4	1
Max.	7	10	4	7	2
Min.	0	1	0	0	1
A.F.	165	129	34	272	79

Area reported 1412 acres. Acreage
Water diverted 679 A. F. Reported
Per acre 0.48 A. F.

D-1032 233
A-1R 781
A-1198 320
A-1240 78

Total 1412

OWASCO CANAL
Diverted from Lodgepole Creek

Date	May	June	July	Aug.	Sept.
3	0	6	5	3	3
3	0	6	5	3	3
3	0	3	5	3	3
3	0	4	3	3	3
3	0	3	4	3	3
3	0	3	4	2	3
3	0	3	4	4	3
3	0	3	4	4	3
3	0	3	4	4	3
3	0	3	4	4	3
*	0	4	4	0	3
*	1	4	4	0	3
*	4	5	3	0	3
*	4	5	4	0	3
*	4	5	4	0	3
*	4	5	2	3	4
*	3	5	3	4	3
*	3	3	3	4	4
*	2	4	3	4	3
*	2	4	3	4	3
*	2	4	3	4	3
*	3	4	3	3	3
*	3	4	3	3	3
*	3	3	2	4	3
*	3	3	2	4	3
*	3	5	2	3	3
*	4	3	2	3	4
*	4	4	3	3	3
*	5	3	3	3	3
*	4	5	3	3	3
*	3	5	2	2	3
*	4	.....	4	3	.....
*	2	4	3	3	3
*	4	6	5	4	4
*	0	3	2	0	3

Area reported 1412 acres. Acreage
Water diverted—incomplete record—
936 A. F.
*No record.

145 246 204 163 178

DISCHARGE OF CANALS IN SECOND- FEET, 1939—Continued

OWASCO CANAL (BAY STATE LATERAL)						
Diverted from Lodgepole Creek						
Date	Oct.	May	June	July	Aug.	Sept.
1	0.6	0.0	2.1	1.1	1.0	1.3
2	.9	.0	2.0	1.5	1.1	1.3
3	.9	.0	1.0	.0	1.1	1.3
4	1.0	.0	1.2	1.4	1.4	1.3
5	1.0	.0	1.2	1.1	1.2	1.2
6	1.0	.0	1.0	1.0	1.2	1.3
7	1.0	.0	.9	1.0	2.9	1.3
8	*	.0	1.0	1.4	3.0	1.3
9	*	.0	1.5	1.2	.0	1.3
10	*	.0	1.2	1.2	.0	1.3
11	*	.0	1.7	.9	.0	1.3
12	*	.0	1.5	.0	.0	1.3
13	*	1.5	1.2	.0	.0	1.3
14	*	1.2	1.1	.0	.0	1.3
15	*	1.2	1.2	.0	2.3	1.3
16	*	1.1	1.2	.0	2.3	1.3
17	*	1.1	1.0	.0	2.7	1.3
18	*	1.0	1.2	.0	2.7	1.2
19	*	.9	1.1	1.2	1.5	1.2
20	*	1.4	1.1	1.2	1.5	1.3
21	*	1.2	1.1	1.3	1.7	1.3
22	*	1.2	1.2	1.2	1.6	1.2
23	*	1.2	1.2	.8	1.5	1.2
24	*	1.1	1.4	1.2	1.5	1.6
25	*	1.0	1.2	.9	1.6	1.7
26	*	1.2	1.1	1.1	1.6	1.6
27	*	1.2	1.1	1.1	1.6	1.3
28	*	1.1	1.1	1.4	1.1	1.6
29	*	1.2	2.1	1.5	1.1	1.6
30	*	.9	2.0	1.0	1.1	1.5
31	*	1.4	.....	1.1	1.4	.....
Mean	*	0.7	1.3	0.9	1.4	1.3
Max.	*	1.5	2.1	1.5	3.0	1.7
Min.	*	.0	.9	.0	.0	1.2
A.F.	*	44	77	54	83	79

Water diverted—incomplete record—
337 A. F.

*No record.

OWASCO CANAL
SUMMARY IN ACRE- FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from Lodgepole Creek.....	*	145	246	204	163	178	936
Diverted for D-347 Bay State Lateral	*	44	77	54	83	79	337
Net diverted to A-725.....	*	101	169	150	80	99	599
Area reported 689 acres.							
Net diverted 599 A. F.							
Per acre 0.87 A. F.				A-725			Acreege Reported
*Incomplete record.				D-347			689
							No report filed

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

PAISLEY CANAL								PATRICK CANAL				
Diverted from Blue Creek and Crescent Lake— A-1575								Diverted from Sand Creek				
Date	Oct.	Nov.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	0	0	0	8	6	0	0	3	0	3	1	0
2	14	11	0	1	5	0	0	1	0	3	0	0
3	5	9	0	0	7	0	0	1	0	3	0	0
4	0	6	0	0	10	0	0	1	3	3	0	0
5	0	11	0	0	13	0	0	2	0	3	0	0
6	0	15	11	0	16	0	0	2	0	3	2	0
7	0	13	11	0	13	0	0	1	0	3	2	0
8	5	12	11	9	12	0	0	0	0	3	2	0
9	15	10	11	13	10	0	0	0	0	3	2	0
10	15	10	10	13	8	0	0	0	0	3	1	0
11	14	10	8	9	0	0	0	0	0	2	1	1
12	12	10	10	9	0	0	0	0	0	2	1	2
13	10	10	10	8	0	0	0	0	0	0	1	1
14	10	10	9	6	0	0	0	0	0	0	2	1
15	10	10	9	6	0	0	0	0	0	0	1	2
16	8	8	9	6	0	0	0	0	0	0	1	3
17	8	8	8	6	0	0	0	2	0	0	1	2
18	8	8	7	6	0	0	0	2	0	0	2	1
19	8	8	6	9	0	0	0	0	0	1	2	1
20	8	8	4	11	0	0	0	1	0	0	2	1
21	10	5	4	12	0	0	0	0	0	0	2	1
22	14	5	7	13	0	0	0	0	0	0	2	2
23	18	5	7	13	0	0	0	0	2	0	2	2
24	15	0	8	13	0	0	0	0	3	0	2	1
25	15	0	11	8	0	0	0	0	3	0	2	1
26	17	0	9	7	0	0	0	0	3	1	2	1
27	17	0	7	6	0	0	0	0	3	1	2	1
28	9	0	6	6	0	0	0	0	3	1	2	1
29	0	0	6	6	0	0	0	0	3	1	1	1
30	11	0	11	6	0	0	0	0	3	0	1	1
31	10	....	12	....	0	0	....	0	....	1	0	....
Mean	9	7	7	7	3	0	0	0.6	1	0.3	1	1
Max.	18	15	12	13	16	0	0	3	3	3	2	3
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	567	420	440	416	198	0	0	36	51	20	83	56
Area reported 1020 acres.								Area reported 170 acres.				
Water diverted 2041 A. F.								Water diverted 246 A. F.				
Per acre 2.00 A. F.								Per acre 1.44 A. F.				
No diversion from Crescent Lake.								Acreage Reported				
								D-800 769				
								A-515 95				
								A-1738 156				
								Total 1020				

PAXTON-HERSHEY CANAL						
Diverted from North Platte River						
Date	Oct.	May	June	July	Aug.	Sept.
1	60	0	85	85	67	4
2	60	0	87	73	10	25
3	55	0	76	78	35	41
4	60	0	64	73	71	9
5	56	0	37	77	19	0
6	61	0	68	70	5	0
7	69	0	90	66	36	0
8	62	0	92	38	51	1
9	48	0	97	37	73	2
10	54	25	101	56	80	23
11	55	68	84	49	47	43
12	45	67	85	0	38	46
13	46	66	89	0	65	40
14	38	66	85	0	63	26
15	22	83	78	0	37	31
16	0	86	66	0	56	64
17	0	85	21	0	63	103
18	0	81	38	0	48	83
19	0	51	89	0	10	91
20	0	82	86	0	6	109
21	0	65	87	0	6	117
22	0	64	74	0	5	108
23	0	65	86	0	4	110
24	0	53	96	0	8	112
25	0	28	83	0	10	101
26	0	46	93	0	4	103
27	0	64	98	0	4	97
28	0	50	83	0	4	89
29	0	71	82	0	11	69
30	0	46	90	1	13	63
31	0	54	....	20	5	....
Mean	26	57	79	23	31	57
Max.	69	86	101	85	80	117
Min.	0	0	21	0	4	0
A.F.	1569	2729	4740	1434	1892	3392
Area reported 7458 acres. Acreage Reported						
Water diverted 15756 A. F. D-653 7458						
Per acre 2.11 A. F.						

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

PHELPS COUNTY CANAL
Diverted from Platte River

Date	Oct.	Nov.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	135	193	0	185	187	0	0	0	0
2	135	223	0	293	187	0	0	0	0
3	58	254	0	197	187	0	0	0	0
4	58	223	0	193	172	0	0	0	0
5	82	251	0	197	190	0	0	0	0
6	110	236	0	181	196	0	0	0	0
7	120	132	0	185	214	0	0	0	0
8	110	148	0	203	210	0	0	0	0
9	0	270	0	196	170	0	0	0	0
10	0	220	0	208	148	0	0	0	0
11	12	223	0	268	121	0	0	0	0
12	145	208	0	208	6	0	0	0	0
13	141	223	0	257	1	0	0	0	0
14	160	230	0	268	1	0	0	0	0
15	175	241	107	347	0	0	0	0	0
16	134	241	168	347	0	0	0	0	0
17	107	278	170	368	0	0	0	0	0
18	170	267	130	339	0	0	0	0	0
19	190	254	170	315	0	0	0	0	0
20	208	254	85	353	0	0	0	0	0
21	211	267	58	356	0	0	0	0	0
22	193	0	70	307	0	0	0	0	0
23	175	0	88	275	0	0	0	0	0
24	131	0	141	262	0	0	0	0	0
25	80	0	148	285	0	0	0	0	0
26	166	0	170	294	0	0	0	0	0
27	163	0	178	315	0	0	0	0	0
28	193	0	141	294	0	0	0	0	0
29	178	0	138	246	0	0	0	0	0
30	181	0	144	176	0	0	0	0	0
31	193	0	141	0	0	0	0	0	0
Mean	142	230	132	259	142	0	0	0	0
Max.	211	278	178	368	214	0	0	0	0
Min.	0	0	0	176	0	0	0	0	0
A.F.	8160	9580	4457	15408	3947	0	0	0	0

Area reported 57500 acres.
Water diverted 41552 A. F.
Acreage Reported A-2355 57500

RAMSHORN CANAL

Date	Diverted from North Platte River						
	Oct.	May	June	July	Aug.	Sept.	
1	8	0	27	3	14	0	0
2	9	0	13	3	14	0	0
3	10	0	8	2	13	2	0
4	12	0	0	6	13	2	0
5	20	0	4	2	24	2	0
6	30	0	7	0	4	1	0
7	30	0	3	13	22	2	0
8	30	0	9	0	11	2	0
9	0	0	9	1	5	3	0
10	0	0	22	13	7	3	0
11	0	15	18	2	5	3	0
12	0	15	22	1	8	3	0
13	0	23	14	0	11	3	0
14	0	27	14	0	9	3	0
15	0	24	2	2	4	3	0
16	0	24	33	5	5	5	0
17	0	22	27	13	4	5	0
18	0	8	26	0	6	4	0
19	0	7	7	0	6	4	0
20	0	27	8	0	6	5	0
21	0	30	7	0	8	4	0
22	0	25	10	0	11	4	0
23	0	26	5	15	9	3	0
24	0	27	4	24	9	3	0
25	0	22	3	21	9	2	0
26	0	27	2	18	0	2	0
27	0	22	5	25	0	13	0
28	0	22	22	14	0	13	0
29	0	22	20	16	6	5	14
30	0	21	20	15	5	5	22
31	0	19	.....	15	4	.....	.....
Mean	5	15	12	7	8	4	.....
Max.	30	30	33	25	23	13	.....
Min.	0	0	0	0	0	0	.....
A.F.	296	902	736	454	500	216	.....

Area reported 1757 acres. Acreage Reported D-945 1628
Water diverted 3104 A. F. D-918R 129
Per acre 1.77 A. F.

RIVERSIDE CANAL

Date	Diverted from Frenchman River						
	Apr.	May	June	July	Aug.	Sept.	
1	*	*	*	*	*	*	0
2	*	0	*	*	*	12	*
3	*	*	*	*	*	13	*
4	*	*	*	*	*	*	*
5	*	*	17	9	*	*	*
6	*	*	*	*	*	11	*
7	*	*	*	*	*	19	0
8	*	*	*	*	*	22	*
9	*	0	*	*	*	*	*
10	*	*	*	*	6	16	*
11	*	*	*	*	13	*	*
12	*	*	*	*	0	*	*
13	*	*	12	14	11	0	*
14	*	*	*	*	*	*	*
15	*	*	*	*	14	*	*
16	*	12	*	*	0	*	*
17	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*
19	*	*	13	*	*	0	*
20	*	*	9	*	*	0	*
21	*	13	*	*	*	*	*
22	*	*	*	*	0	*	*
23	*	11	*	*	*	*	*
24	*	*	*	*	0	*	0
25	*	*	0	*	*	*	*
26	*	8	*	*	*	*	*
27	*	*	*	*	*	0	0
28	*	14	*	*	*	*	*
29	*	*	*	*	*	*	14
30	*	*	0	0	*	22	*
31	14	.....	0	0	.....	.....

*No record Acreage Reported D-18 372
A-1674 202

Total 1757

Total 574

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

ROUND HOUSE ROCK CANAL Diverted from Pumpkinseed Creek					
Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	3	0	0	0	0
30	3	0	0	0	0
31	3	....	0	0	....
Mean	0.3	0	0	0	0
Max.	3	0	0	0	0
Min.	0	0	0	0	0
A.F.	18	0	0	0	0
Area reported	121 acres.	Acreage			
Water diverted	18 A. F.	Reported			
Per acre	0.15 A. F.	D-884	121		

RUSH CREEK CANAL Diverted from North Platte River					
May	June	July	Aug.	Sept.	
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	2	0	0	0
0	0	2	0	0	0
0	0	2	0	0	0
0	0	1	0	0	0
0	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	1	0	0	0
0	2	0	0	0	0
0	1	0	0	0	0
0	1	0	0	0	0
0	....	0	0	....
0	0.2	0.3	0		
0	2	2	0	0	0
0	0	0	0	0	0
0	10	20	0	0	0
Area reported	569 acres.				
Water diverted	30 A. F.				
Per acre	0.05 A. F.	Acreage			
Reported					
D-802 569					

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

RUTTNER CANAL, NEW						SCRIPTER CREEK				
Diverted from Lodgepole Creek						Diverted from Clear Creek				
Date	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	0.0	5.6	6.7	2.6	1.5	0	0	0	0	0
2	.0	4.0	6.0	2.2	1.5	0	0	0	0	0
3	.0	6.0	4.7	2.2	1.5	0	0	0	0	0
4	.0	4.8	3.0	2.6	1.5	0	0	0	0	0
5	.0	5.2	3.7	2.6	1.2	0	0	0	0	0
6	.0	4.0	2.2	2.6	1.2	0	0	0	0	0
7	.0	4.8	3.7	3.0	1.2	0	0	0	0	0
8	.0	5.6	3.7	2.6	.9	0	0	0	0	0
9	.0	3.7	3.7	1.9	.9	0	0	0	0	0
10	6.4	3.7	2.6	1.9	2.2	0	0	0	0	0
11	3.7	3.3	2.6	1.5	1.9	0	0	0	0	0
12	4.0	4.5	2.6	1.5	1.9	0	0	0	0	0
13	4.0	5.2	2.6	1.5	3.4	0	0	0	0	0
14	4.5	5.2	2.4	1.5	.0	0	0	0	0	0
15	4.0	6.7	2.6	3.3	.0	0	0	0	0	0
16	4.0	6.7	3.0	3.3	.0	0	0	0	0	0
17	4.8	7.5	3.0	4.9	.0	0	0	0	0	0
18	4.0	7.5	3.0	4.0	2.4	0	0	0	0	0
19	3.7	7.5	2.6	4.0	3.7	0	0	0	0	0
20	4.5	7.9	2.6	4.0	4.1	0	0	0	0	0
21	4.0	6.7	2.2	4.0	4.1	0	0	0	0	0
22	4.3	5.6	.0	4.0	3.7	0	0	0	0	0
23	4.0	5.2	.0	4.0	3.3	0	0	0	0	0
24	3.0	4.8	.0	4.0	3.3	0	0	0	0	0
25	4.0	5.2	2.6	4.5	3.0	0	0	0	0	0
26	4.0	6.0	3.0	4.5	3.0	0	0	0	0	0
27	4.5	6.3	3.0	4.5	1.5	1	0	0	0	0
28	3.7	6.7	3.0	4.5	2.2	3	0	0	0	0
29	6.0	6.7	2.6	5.2	3.7	3	0	0	0	0
30	6.0	6.7	2.6	4.8	3.7	3	0	0	0	0
31	3.7	.....	2.6	4.8	.....	2	.....	0	0	.....
Mean	3.1	5.6	2.9	3.3	2.1	0.4	0	0	0	0
Max.	6.4	7.9	6.7	5.2	4.1	3	0	0	0	0
Min.	.0	3.3	.0	1.5	.0	0	0	0	0	0
A.F.	188.0	335.0	176.0	202.0	123.0	24	0	6	0	0
Area reported 194 acres.						Area reported 175 acres.				
Water diverted 1024 A. F.						Water diverted 24 A. F.				
Per acre 5.29 A. F.						Per acre 0.14 A. F.				
A-869 44						Acreage Reported				
A-727 36						A-2288 175				
A-857 92										
D-350 22										

SHERIDAN-WILSON CANAL						SHERIDAN-WILSON CANAL					
Diverted from North Platte River						Diverted from Sarben Slough					
Date	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.	
1	0	6	0	5	5	0	3	2	2	2	
2	0	6	0	3	5	0	3	2	2	2	
3	0	1	0	0	4	0	2	2	1	1	
4	0	2	0	6	5	0	2	2	1	1	
5	0	4	0	7	5	0	2	2	1	1	
6	0	11	0	6	5	0	2	2	1	1	
7	0	10	0	6	4	0	2	2	2	2	
8	0	4	5	3	6	0	2	2	2	2	
9	0	6	7	7	6	0	2	2	2	2	
10	0	7	7	7	4	0	2	2	2	1	
11	0	8	5	5	6	0	3	2	2	1	
12	0	7	5	6	6	0	3	2	2	1	
13	0	5	0	6	3	0	3	1	2	1	
14	0	4	0	5	3	0	3	1	2	1	
15	0	3	0	6	4	0	2	1	2	1	
16	12	6	0	7	6	3	1	1	2	1	
17	10	7	0	5	6	3	1	1	2	1	
18	7	8	0	6	6	3	1	1	2	1	
19	7	6	0	6	6	3	1	1	2	1	
20	11	10	0	5	7	3	1	1	2	1	
21	6	5	0	4	6	3	1	1	2	1	
22	4	1	0	5	7	3	1	1	2	1	
23	2	6	0	5	6	3	1	1	2	1	
24	2	9	0	6	6	3	1	1	2	1	
25	9	6	0	6	6	3	1	1	1	1	
26	8	6	7	6	5	3	1	1	1	2	
27	7	4	3	6	5	3	1	1	1	2	
28	3	4	2	6	6	3	1	1	1	2	
29	2	0	6	6	6	3	1	1	1	2	
30	4	0	7	5	6	3	1	1	1	2	
31	7	.....	5	4	.....	3	.....	1	1	.....
Mean	3	5	2	5	5	1	2	1	2	1	
Max.	12	11	7	7	7	3	3	2	2	2	
Min.	0	0	0	0	3	0	1	1	1	1	
A.F.	200	321	117	329	319	95	101	85	139	81	
Water diverted 1286 A. F.						Water diverted 501 A. F.					
(See next page for summary in acre-feet of Sheridan-Wilson Canal.)											

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

SHERIDAN-WILSON CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River.....	*	200	321	117	329	319	1286
Sarben Slough	*	95	101	85	139	81	501
Total diverted	*	295	422	202	468	400	1787

Area reported 671 acres.

Water diverted 1787 A. F.

Per acre 2.66 A. F.

*No record.

Acreage Reported
D-710 671SHORT LINE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	17	20	6	18
2	0	9	21	11	16
3	0	15	25	34	18
4	0	30	24	36	14
5	0	30	24	52	12
6	0	34	22	49	0
7	0	34	22	42	0
8	0	36	25	36	0
9	0	37	25	37	0
10	0	37	25	37	2
11	0	39	25	34	2
12	0	43	27	34	12
13	0	36	14	35	30
14	0	31	9	35	9
15	20	28	7	36	10
16	23	11	7	36	10
17	25	18	6	22	10
18	24	16	4	23	10
19	30	18	4	23	9
20	32	25	1	8	9
21	34	24	1	0	11
22	34	14	3	0	11
23	34	12	2	25	11
24	38	12	2	23	11
25	40	12	1	0	11
26	40	14	10	0	12
27	40	16	20	7	11
28	38	24	24	18	11
29	35	23	17	18	10
30	30	21	4	19	11
31	24	.....	17	20	.....
Mean	17	33	14	24	10
Max.	40	43	27	52	30
Min.	0	9	1	0	0
A.F.	1073	1315	869	1480	597
Area reported 2939 acres.					
Water diverted 5334 A. F.					
Per acre 1.82 A. F.					

Acreage Reported
D-946 2939SIGNAL BLUFF CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
0	20	0	0	0
0	7	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
4	0	0	0	0
6	0	0	0	0
11	0	0	0	0
6	0	0	0	0
16	0	0	0	0
21	0	0	0	0
4	0	0	0	0
3	0	0	0	0
4	0	0	0	0
13	10	0	0	0
15	11	0	0	0
14	17	0	0	0
12	18	0	0	0
11	16	0	0	0
8	11	0	0	0
6	7	0	0	0
7	0	0	0	0
9	0	0	0	0
12	0	0	0	0
15	0	0	0	0
13	0	0	0	0
10	0	0	0	0
9	0	0	0	0
10	.....	0	0	.....
8	4	0	0	0
21	20	0	0	0
0	0	0	0	0
496	232	0	0	0
Area reported 2260 acres.				
Water diverted 728 A. F.				
Per acre 0.32 A. F.				

Acreage Reported
D-803 2260

DEPARTMENT OF ROADS AND IRRIGATION

737

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

SIX MILE CANAL
Diverted from Platte River and
Sutherland Reservoir

Date	May	June	July	Aug.	Sept.
1	0	0	0	18	0
2	0	0	0	12	0
3	0	0	0	5	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	7	0	0
8	0	0	15	0	0
9	0	0	12	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	10	0	0
15	0	0	24	0	0
16	0	0	29	0	0
17	0	0	14	0	0
18	0	0	27	0	0
19	0	0	2	0	0
20	0	0	11	0	0
21	0	0	12	0	0
22	0	0	1	0	0
23	0	0	1	0	0
24	0	0	0	0	0
25	0	0	7	0	0
26	0	0	10	0	0
27	0	0	9	0	0
28	0	0	10	0	0
29	0	0	7	0	0
30	0	0	8	0	0
31	0	0	12	0	0
Mean	0	0	7	1	0
Max.	0	0	29	18	0
Min.	0	0	0	0	0
A.F.	0	0	452	69	0

Area reported 903 acres. Acreage
Water diverted 521 A. F. Reported
including storage. D-680 303
Per acre 0.58 A. F.
Storage diversions 454 A. F.

SMITH-WHEELER CANAL
Diverted from Pumpkinseed
Creek

May	June	July	Aug.	Sept.
1	1	1	0	0
2	0	0	0	0
3	0	0	0	1
4	0	0	0	0
5	1	0	0	0
6	2	0	1	0
7	2	0	1	0
8	2	0	0	1
9	2	0	0	1
10	2	0	1	1
11	2	0	0	1
12	3	1	0	1
13	3	0	0	1
14	3	0	0	1
15	2	1	0	1
16	2	1	0	1
17	2	0	0	1
18	2	0	0	1
19	1	2	0	1
20	1	2	0	1
21	1	0	0	1
22	1	0	0	1
23	2	0	0	1
24	2	0	0	1
25	2	0	0	1
26	2	0	1	1
27	2	0	0	1
28	2	0	0	1
29	2	1	0	1
30	2	0	1	1
31	2	0	0	1
Mean	2	0.3	0.2	0.2
Max.	3	2	1	1
Min.	1	0	0	0
A.F.	115	18	12	10

Area reported 50 acres.
Water diverted 191 A. F. Reported
Per acre 3.81 A. F. Acreage Reported
D-842a 50

SOEHL CANAL

Diverted from Lonergan Creek

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	1	0	0	0	0
12	1	0	0	0	0
13	1	0	0	0	0
14	1	0	0	0	0
15	1	0	0	0	0
16	1	0	0	0	0
17	1	0	0	0	0
18	1	0	0	0	0
19	1	0	0	1	0
20	1	0	0	1	0
21	1	0	0	1	0
22	1	0	0	1	0
23	0	0	0	1	0
24	0	0	0	1	0
25	0	0	0	1	0
26	0	0	0	1	0
27	0	0	0	1	0
28	0	0	0	1	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	0	0	0	0
Mean	0.4	0	0	0	0
Max.	1	0	0	0	0
Min.	0	0	0	0	0
A.F.	24	0	0	18	0

Area reported 200 acres. Acreage
Water diverted 42 A. F. Reported
Per acre 0.21 A. F. D-697a 140
D-697b 60

SUBURBAN CANAL

Diverted from North Platte River

Oct.	May	June	July	Aug.	Sept.
20	24	64	58	136	64
20	24	41	50	57	57
20	23	41	58	47	50
20	41	41	59	52	47
20	31	41	59	40	77
20	19	43	44	42	76
20	24	59	42	54	72
20	18	59	40	77	69
20	0	46	56	72	64
20	1	48	70	79	49
15	0	57	17	72	48
15	40	65	0	67	67
15	54	49	0	74	67
15	57	46	0	68	58
15	59	42	0	62	55
15	57	45	0	55	57
15	40	47	0	55	55
15	36	51	0	69	64
15	47	56	0	63	50
15	116	59	0	59	53
20	81	72	69	60	58
20	76	29	91	45	60
20	71	24	136	39	60
20	59	25	119	59	70
20	48	28	96	53	58
0	63	28	88	53	77
0	83	30	91	50	55
0	44	34	77	53	54
0	49	34	55	54	44
0	55	55	51	61	35
0	62	0	57	58	0
*14	45	45	48	61	59
20	116	72	136	136	77
0	0	24	0	39	35
893	2781	2696	2942	3739	3511

Water diverted 16562 A. F.
*Estimated for October.

Total 200

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

SUBURBAN CANAL					
Diverted from Lincoln County					
Drain No. 1					
Date	May	June	July	Aug.	Sept.
1	0	0	0	0	25
2	0	0	0	0	29
3	0	0	0	0	28
4	0	0	0	0	28
5	0	0	0	0	27
6	0	0	0	0	27
7	0	0	0	0	26
8	0	0	0	0	26
9	0	0	0	0	27
10	0	0	0	0	27
11	0	0	0	0	26
12	0	0	0	0	26
13	0	0	0	0	26
14	0	0	0	0	27
15	0	0	0	0	17
16	0	0	0	4	18
17	0	0	0	7	8
18	0	0	0	10	7
19	0	0	0	10	25
20	0	0	0	10	22
21	0	0	0	12	21
22	0	0	0	26	21
23	0	0	0	27	12
24	0	0	0	26	13
25	0	0	0	26	4
26	0	0	0	26	0
27	0	0	0	26	0
28	0	0	0	24	0
29	0	0	0	26	0
30	0	0	0	25	0
31	0	.....	0	25	.....
Mean	0	0	0	10	18
Max.	0	0	0	27	29
Min.	0	0	0	0	0
A.F.	0	0	0	615	1077
Water diverted 1692 A. F.					

SUBURBAN CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River.....	893	2781	2696	2942	3739	3511	16562
Lincoln County Drain No. 1.....	*	0	0	0	615	1077	1692
Total diverted	893	2781	2696	2942	4354	4588	18254

Area reported 6665 acres.

Water diverted 18254 A. F.

Acreage Reported
D-662 (O.D. A-2648) 6665

Per acre 2.74 A. F.

*No record.

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

SUTHERLAND RESERVOIR SUPPLY CANAL
Diverted from North Platte River

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	668	806	896	760	0	495	352	0	0	0
2	0	0	665	818	654	769	0	499	787	0	0	0
3	0	0	696	878	541	799	0	503	936	0	0	0
4	0	0	739	957	725	817	0	615	1081	0	0	0
5	0	0	798	1036	837	809	94	761	734	0	0	0
6	0	0	799	1037	919	810	411	589	367	0	0	0
7	0	0	796	1035	992	823	560	615	228	0	0	0
8	0	0	809	1027	647	880	709	522	508	0	0	0
9	0	0	861	1038	544	912	801	346	319	0	0	0
10	0	0	889	1032	537	913	934	184	138	0	0	0
11	0	0	918	1005	505	910	1036	64	0	0	0	0
12	0	0	850	1014	520	903	646	110	0	0	0	0
13	0	0	727	1024	539	910	370	109	67	0	0	0
14	0	0	530	1016	574	899	339	108	285	0	0	0
15	0	0	637	1005	623	885	360	106	430	0	0	0
16	0	0	714	1006	646	892	364	103	498	0	0	0
17	0	0	805	979	669	899	371	103	443	0	0	0
18	0	0	802	905	718	961	364	159	364	0	0	0
19	0	0	802	942	745	973	390	67	705	0	0	0
20	0	0	800	1027	737	934	413	64	774	0	0	0
21	0	0	803	1053	739	863	429	39	746	0	0	0
22	0	0	800	1046	738	849	460	4	824	0	0	0
23	0	0	800	1035	734	742	460	0	793	0	0	0
24	0	0	805	1016	730	416	478	0	589	0	0	0
25	0	0	803	1008	731	319	503	0	278	0	0	0
26	0	0	799	1043	748	20	500	40	211	0	0	0
27	0	82	798	1038	761	0	499	349	93	0	0	0
28	0	398	799	1046	762	0	499	266	17	0	0	0
29	0	600	743	1041	.....	0	502	232	6	0	0	0
30	0	640	648	1044	.....	0	499	161	0	0	0	0
31	0	.....	725	1040	.....	0	.....	105	.....	0	0	.....
Mean	0	57	769	1000	697	667	433	236	420	0	0	0
Max.	0	640	918	1053	992	965	1036	761	1081	0	0	0
Min.	0	0	530	806	505	0	0	0	0	0	0	0
A.F.	0	3413	47264	61481	38701	40994	25777	14515	24978	0	0	0

Water diverted 257123 A. F.
Reported by the District.

SUTHERLAND RESERVOIR SYSTEM

Storage in Sutherland, Regulator, and Forebay Reservoirs, Combined
Total Live Storage in Acre-Feet

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17657	12289	6303	31698	69268	77894	84454	81410	73923	79320	31288	17090
2	17487	12138	7905	32200	69941	77910	82029	81560	73626	78856	29751	17010
3	17317	11986	9189	33265	69934	77971	81066	81420	74227	78334	28744	16855
4	17147	11910	10062	34406	69647	78283	79610	81345	75223	77884	27747	16695
5	16977	11855	10839	35617	69941	78744	78778	81150	76354	77423	26793	16540
6	16807	11533	12006	36961	70520	79067	77433	80941	77377	76869	25811	16380
7	16638	11381	13236	38306	71155	79386	76707	81325	77478	76346	25062	16245
8	16466	11230	14329	39649	72496	79950	76542	81785	77229	75506	24783	16581
9	16296	11034	15231	41034	72243	80110	77004	81889	77559	74955	24152	16503
10	16126	10838	16357	42420	72194	80903	77439	81970	77713	74570	23351	16417
11	15956	10707	17427	43791	72343	81322	78625	82180	77293	73917	22415	16100
12	15786	10576	18426	45003	72491	81811	80072	81545	76865	72983	21768	15932
13	15616	10315	19166	46388	72566	82605	80960	81236	76404	72302	21409	15850
14	15246	10053	19663	47753	72641	83244	81729	80574	75904	70272	20896	15686
15	15085	10053	20298	48998	72789	83399	81341	79989	75261	67965	20352	15523
16	14925	9923	20630	50082	73091	83559	80632	79630	75461	65564	20156	15404
17	14765	9727	21060	51367	73113	83959	81603	78901	75502	63106	20216	15196
18	14595	9530	22163	52778	73557	84358	82222	78398	75471	60437	19706	15120
19	14425	9400	23011	53813	74150	84888	81880	77899	75621	58313	19438	14966
20	14180	9138	23861	54758	74595	85442	80980	77776	76041	55691	18933	14815
21	13953	9007	24878	55927	75028	86159	81078	77208	77177	53489	19044	14663
22	13876	8877	25605	57097	75570	86686	81286	76610	77832	50828	18845	14586
23	13650	8746	26384	58762	76164	87438	81596	76079	78781	48475	18823	14433
24	13499	8615	27111	59866	76633	88253	81921	75585	79657	46448	18800	14362
25	13423	8564	28561	61032	76949	88412	82261	75096	80159	44178	18618	14204
26	13196	7797	29379	62198	77060	88122	81866	74650	80313	42178	17650	14128
27	13045	6878	29412	63289	77376	87644	81716	74544	80179	40350	17570	14052
28	12894	5901	29957	64478	77945	87644	81681	74338	80430	37961	17570	13900
29	12743	5083	30658	65729	.....	87088	81560	74367	80245	36336	17490	13823
30	12591	4826	31169	66931	.....	86503	81720	74299	79770	34469	17250	13747
31	12440	.....	31504	68233	.....	85526	.....	74102	.....	32677	17170	.....

Reported by the District.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

SUTHERLAND PROJECT POWER RETURN To The River At North Platte—Sec. 9-13-30 W.												
Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	205	224	388	358	205	0	0	638	18
2	0	0	0	106	210	381	267	254	0	0	563	17
3	0	0	0	0	207	374	374	220	0	0	497	15
4	0	0	0	0	205	367	298	273	0	5	404	15
5	0	0	0	0	175	286	367	220	15	0	396	15
6	0	0	0	135	205	367	326	222	0	0	348	15
7	0	0	0	0	210	374	260	177	0	46	349	15
8	0	0	0	0	227	388	207	152	0	0	375	16
9	0	0	0	100	224	351	188	0	0	0	275	15
10	0	0	0	0	230	368	207	0	0	0	352	16
11	0	0	0	35	233	386	0	116	0	0	320	15
12	0	0	0	0	187	274	0	102	0	0	229	15
13	0	0	0	0	210	355	0	108	154	0	225	15
14	0	0	0	0	202	390	0	97	161	612	225	15
15	0	0	0	0	210	400	0	93	0	742	224	35
16	0	0	0	47	210	369	0	128	45	905	1	16
17	0	0	0	0	199	365	0	117	68	1058	0	15
18	0	0	0	0	193	351	112	60	0	1040	74	15
19	0	0	0	0	180	312	372	53	57	1057	143	15
20	0	0	0	0	202	324	247	96	42	1056	186	57
21	0	0	0	0	210	326	0	93	0	1050	0	15
22	0	0	12	0	235	335	0	43	0	972	0	15
23	0	0	53	46	247	186	0	0	0	969	0	18
24	0	0	45	55	245	300	112	0	0	970	0	16
25	0	0	50	48	317	349	221	0	0	891	0	16
26	0	0	49	18	314	213	250	0	0	895	0	16
27	0	0	90	48	381	93	235	0	0	888	2	15
28	0	0	290	0	394	73	238	0	0	905	0	15
29	0	0	200	0	.....	105	264	0	0	802	0	16
30	0	0	175	48	.....	312	207	0	0	796	0	15
31	0	.....	198	55	.....	388	.....	22	.....	793	0	.....
Mean	0	0	38	31	330	326	170	92	18	531	190	17
Max.	0	0	290	205	394	400	374	273	161	1057	698	57
Min.	0	0	0	0	175	73	0	0	0	0	0	15
A.F.	0	0	2304	1925	12872	19537	10137	5656	1075	32634	11675	1045

Total acre-feet 98860.

Reported by the District.

THIRTY MILE CANAL

Diverted from Platte River and Sutherland Reservoir										
Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.		
1	179	336	0	195	124	106	25	0		
2	184	333	0	224	129	103	2	0		
3	177	334	0	234	126	109	0	0		
4	203	331	0	234	117	112	0	0		
5	230	337	0	240	118	106	0	0		
6	250	338	37	241	122	106	0	0		
7	253	331	81	242	117	33	0	0		
8	266	336	80	248	116	0	0	0		
9	265	315	80	218	132	0	0	0		
10	279	298	77	180	139	0	0	0		
11	291	292	81	153	124	0	0	0		
12	307	289	93	162	136	0	0	0		
13	328	285	90	161	131	0	0	0		
14	327	282	90	165	133	13	0	0		
15	323	270	98	46	131	96	0	0		
16	330	266	97	46	122	108	0	0		
17	326	249	110	136	118	131	0	0		
18	331	246	108	130	102	131	0	0		
19	331	240	117	112	93	147	0	0		
20	335	235	109	159	110	155	0	0		
21	337	231	98	161	146	152	0	0		
22	335	118	111	147	127	155	0	0		
23	332	0	102	131	105	149	0	0		
24	335	0	112	141	105	152	0	0		
25	337	0	140	149	103	152	0	0		
26	335	0	176	150	102	131	0	0		
27	339	0	167	148	97	124	0	0		
28	351	0	182	147	102	138	0	0		
29	313	0	190	139	102	126	0	0		
30	335	0	188	131	107	126	0	13		
31	338	.....	.....	124	.....	125	0	.....	
Mean	297	210	93	164	118	96	1	0.5		
Max.	351	338	190	248	146	155	25	13		
Min.	177	0	0	46	93	0	0	0		
A.F.	18252	12496	5582	10104	7014	5929	54	26		

Water diverted 59457 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

THIRTY MILE CANAL SPILL TO
PLATTE RIVER

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	*	*	0	10	11	0	0
2	*	*	0	18	10	0	0
3	*	*	0	17	17	0	0
4	*	*	0	16	16	0	0
5	*	*	0	15	14	0	0
6	*	*	4	15	11	0	0
7	*	*	3	11	14	0	0
8	*	*	3	11	0	0	0
9	*	*	0	0	0	0	0
10	*	*	0	10	0	0	0
11	*	*	0	0	0	0	0
12	*	*	0	1	0	0	0
13	*	*	0	12	0	0	0
14	*	*	0	11	0	0	0
15	*	*	0	5	0	0	0
16	*	*	0	5	0	0	0
17	*	*	0	5	0	0	0
18	*	*	0	0	0	0	0
19	*	*	0	0	0	0	0
20	*	*	0	0	0	0	0
21	*	*	0	8	0	0	0
22	*	*	0	12	0	0	0
23	*	*	0	7	0	0	0
24	*	0	0	6	0	0	0
25	*	0	2	8	0	0	0
26	*	0	3	5	0	0	0
27	*	0	8	5	0	0	0
28	*	0	15	6	0	0	0
29	*	0	16	5	0	0	0
30	*	0	14	6	0	0	0
31	*	11	.....	0	0	.....
Mean	*	*	3	7	3	0	0
Max.	*	*	16	18	17	0	0
Min.	*	*	0	0	0	0	0
A.F.	*	*	157	456	184	0	0

Total acre-feet 797.

*No record.

THIRTY MILE CANAL SPILL TO
PLATTE RIVER

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	*	*	10	21	20	0	0
2	*	*	10	25	17	0	0
3	*	*	10	24	18	0	0
4	*	*	10	21	16	0	0
5	*	*	10	18	17	0	0
6	*	*	10	11	14	0	0
7	*	*	10	8	9	0	0
8	*	*	10	5	0	0	0
9	*	*	11	2	0	0	0
10	*	*	14	11	0	0	0
11	*	*	13	12	0	0	0
12	*	*	6	14	0	0	0
13	*	*	13	15	0	0	0
14	*	*	8	12	0	0	0
15	*	*	3	21	0	0	0
16	*	*	0	22	0	0	0
17	*	*	0	15	0	0	0
18	*	*	0	9	0	0	0
19	*	*	0	11	0	0	0
20	*	*	0	2	0	0	0
21	*	*	0	7	0	0	0
22	*	*	0	10	0	0	0
23	*	*	1	7	0	0	0
24	*	0	0	15	0	0	0
25	*	0	5	16	0	0	0
26	*	0	5	14	0	0	0
27	*	0	18	10	0	0	0
28	*	0	18	18	0	0	0
29	*	0	19	3	0	0	0
30	*	0	17	21	0	0	0
31	*	15	.....	0	0	.....
Mean	*	*	8	13	4	0	0
Max.	*	*	19	25	20	0	0
Min.	*	*	0	2	0	0	0
A.F.	*	*	488	793	220	0	0

Total acre-feet 1501.

*No record.

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

THIRTY MILE CANAL SPILL TO PLATTE RIVER							
Henderson Spillway—Sec. 8-10-24 W.							
Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	*	*	8	20	22	0	0
2	*	*	13	24	20	0	0
3	*	*	10	23	19	0	0
4	*	*	5	24	22	0	0
5	*	*	6	20	20	0	0
6	*	*	8	22	16	0	0
7	*	*	9	13	19	0	0
8	*	*	13	11	1	0	0
9	*	*	22	8	0	0	0
10	*	*	20	20	0	0	0
11	*	*	21	15	0	0	0
12	*	*	7	15	0	0	0
13	*	*	5	11	0	0	0
14	*	*	4	9	0	0	0
15	*	*	1	10	0	0	0
16	*	*	0	5	0	0	0
17	*	*	0	20	0	0	0
18	*	*	0	9	0	0	0
19	*	*	0	0	0	0	0
20	*	*	0	0	0	0	0
21	*	*	0	18	0	0	0
22	*	*	3	13	0	0	0
23	*	*	1	15	0	0	0
24	*	0	0	5	0	0	0
25	*	0	1	5	0	0	0
26	*	0	52	11	0	0	0
27	*	0	55	14	0	0	0
28	*	0	10	24	0	0	0
29	*	0	13	15	0	0	0
30	*	0	17	20	0	0	0
31	*	20	....	0	0	....
Mean	*	*	11	14	4	0	0
Max.	*	*	55	24	22	0	0
Min.	*	*	0	0	0	0	0
A.F.	*	*	643	831	276	0	0
Total acre-feet 1750.							
*No record.							

THIRTY MILE CANAL SPILL TO PLATTE RIVER							
Darr Spillway—Sec. 8-9-22 W.							
Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	*	*	5	25	80	0	0
2	*	*	1	26	23	0	0
3	*	*	7	21	18	0	0
4	*	*	10	19	33	0	0
5	*	*	8	15	34	0	0
6	*	*	10	21	30	0	0
7	*	*	20	21	29	0	0
8	*	*	20	11	0	0	0
9	*	*	17	22	0	0	0
10	*	*	10	31	0	0	0
11	*	*	5	34	0	0	0
12	*	*	3	31	0	0	0
13	*	*	3	28	0	0	0
14	*	*	2	43	0	0	0
15	*	*	2	14	0	0	0
16	*	*	1	24	0	0	0
17	*	*	0	15	0	0	0
18	*	*	0	9	0	0	0
19	*	*	0	5	0	0	0
20	*	*	17	0	0	0	0
21	*	*	12	29	0	0	0
22	*	*	10	23	0	0	0
23	*	*	12	11	0	0	0
24	*	*	12	9	0	0	0
25	*	*	17	8	0	0	0
26	*	*	17	6	0	0	0
27	*	*	26	9	0	0	0
28	*	*	31	9	0	0	0
29	*	*	29	24	0	0	0
30	*	*	28	45	0	0	0
31	*	25	....	0	0	....
Mean	*	*	12	19	8	0	0
Max.	*	*	31	45	80	0	0
Min.	*	*	0	0	0	0	0
A.F.	*	*	714	1180	490	0	0
Total acre-feet 2384.							
*No record.							

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

THIRTY MILE CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from Platte River	18252	12496	5582	10104	7014	5929	54	26	59457
Spill to Platte River:									
Little Spillway No. 1	*	*	*	157	456	184	0	0	797
Middle Spillway No. 2	*	*	*	488	793	220	0	0	1501
Henderson Spillway No. 3	*	*	*	643	831	276	0	0	1750
Darr Spillway	*	*	*	714	1180	490	0	0	2384
Total spill	*	*	*	2002	3260	1170	0	0	6432
Net diverted	18252	12496	5582	8102	3754	4759	54	26	53025

Area reported 21452 acres. Acreage Reported
 Net diverted 53025 A. F. including storage. A-2077 320
 Per acre 2.47 A. F. A-1976 3141
 Storage diverted 4643 A. F. A-1853 17991
 *No record. Total 21452

TRI-STATE CANAL

Diversions by the Farmers Irrigation District and the Northport Irrigation District from North Platte River and Pathfinder Reservoir

Date	Oct.	May	June	July	Aug.	Sept.
1	310	0	1044	875	799	662
2	253	0	1034	882	791	642
3	248	0	1032	905	786	611
4	236	0	999	921	791	588
5	221	0	961	914	793	573
6	84	30	932	835	784	559
7	0	335	884	789	786	593
8	0	501	902	758	791	674
9	0	670	945	761	789	712
10	0	656	928	772	786	725
11	0	811	944	751	780	727
12	0	861	873	700	776	662
13	0	881	837	801	789	692
14	0	891	833	810	797	774
15	0	912	814	818	782	818
16	0	945	776	816	765	812
17	0	937	566	807	812	742
18	0	912	532	801	769	678
19	0	941	525	797	778	552
20	0	982	509	789	793	588
21	0	1006	509	791	791	550
22	0	1015	471	797	763	525
23	0	1036	435	795	765	486
24	0	1046	385	797	782	474
25	0	1046	410	797	758	462
26	0	1039	698	797	753	466
27	0	1056	780	797	812	405
28	0	1056	839	789	791	412
29	0	1065	870	789	776	419
30	0	1074	879	791	772	424
31	0	1088	.....	791	756	.....
Mean	223	738	773	807	782	600
Max.	310	1088	1044	921	812	818
Min.	0	0	385	700	753	405
A.F.	2688	45378	45976	49635	48112	35717
Water diverted	227506	A. F.				

TRI-STATE LATERAL NO. 1
Diverted from North Platte River and Pathfinder Reservoir

Oct.	May	June	July	Aug.	Sept.
0	0	5	7	0	3
0	0	5	5	4	4
0	0	5	5	4	4
0	0	0	5	4	3
0	0	0	5	4	4
0	0	0	4	4	4
0	0	0	6	4	4
0	0	0	5	4	4
0	4	4	4	3	4
0	5	5	3	4	4
0	6	5	5	4	4
0	6	4	4	4	4
0	6	4	4	3	4
0	6	4	4	4	3
0	6	0	4	4	0
0	6	0	4	4	0
0	5	0	4	4	3
0	5	0	4	4	0
0	5	0	4	4	0
0	5	0	4	4	0
0	5	7	4	4	0
0	5	7	4	4	0
0	5	7	3	4	0
0	5	.....	4	3	.....
0	3	3	4	4	2
0	6	7	7	4	4
0	0	0	3	0	0
0	214	159	266	228	135
Water diverted	1002	A. F.			

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

TRI-STATE LATERAL NO. 2 Diverted from North Platte River and Pathfinder Reservoir								TRI-STATE LATERAL NO. 3 Diverted from North Platte River and Pathfinder Reservoir							
Date	Oct.	May	June	July	Aug.	Sept.		Oct.	May	June	July	Aug.	Sept.		
1	0	0	6	3	4	2		0	0	3	2	0	3		
2	0	0	6	4	5	2		0	0	3	2	0	1		
3	0	0	7	4	5	2		0	0	3	3	1	2		
4	0	0	7	4	3	2		0	0	3	3	1	3		
5	0	0	5	4	2	2		0	0	3	2	1	3		
6	0	0	5	4	2	2		0	0	3	2	3	3		
7	0	0	5	4	2	2		0	0	1	3	2	2		
8	0	0	5	1	2	2		0	0	2	2	3	2		
9	0	1	8	4	2	2		0	0	2	2	1	2		
10	0	1	7	4	3	3		0	0	2	2	2	3		
11	0	5	4	4	2	2		0	0	2	1	0	0		
12	0	5	4	5	6	6		0	0	2	1	0	0		
13	0	5	5	7	2	2		0	0	2	1	0	2		
14	0	6	4	4	2	2		0	0	2	1	0	0		
15	0	5	4	3	3	3		0	3	1	3	0	6		
16	0	5	4	3	2	3		0	3	1	1	3	0		
17	0	5	6	3	3	3		0	3	0	1	0	0		
18	0	5	5	3	3	3		0	3	0	0	1	0		
19	0	5	0	3	3	0		0	3	0	0	2	0		
20	0	4	4	6	3	0		0	3	0	2	2	0		
21	0	4	4	5	2	0		0	3	0	2	3	0		
22	0	8	3	5	5	0		0	3	0	2	2	0		
23	0	9	4	3	5	0		0	3	0	2	3	0		
24	0	7	4	2	5	2		0	0	0	2	3	0		
25	0	6	5	3	5	2		0	2	0	0	3	0		
26	0	6	5	5	5	0		0	0	1	0	2	0		
27	0	5	4	5	6	0		0	3	2	0	3	0		
28	0	4	5	6	5	0		0	0	2	0	3	0		
29	0	4	3	6	6	0		0	2	2	0	3	0		
30	0	8	3	3	6	0		0	1	2	0	2	0		
31	0	7	...	5	2	...		0	3	...	0	2	...		
Mean	0	4	5	4	3	2		0	1	1	1	2	1		
Max.	0	9	8	7	6	6		0	3	3	3	3	3		
Min.	0	0	0	2	2	0		0	0	0	0	0	0		
A.F.	0	238	280	254	214	97		0	75	87	83	101	52		
Water diverted	1083 A. F.							398 A. F.							

TRI-STATE CANAL Diverted from Akers Draw								TRI-STATE CANAL Diverted from Sheep Creek							
Date	Oct.	May	June	July	Aug.	Sept.		Oct.	May	June	July	Aug.	Sept.		
1	15	0	10	10	11	13		89	0	44	53	62	68		
2	15	0	10	10	11	13		89	0	44	54	61	68		
3	15	0	10	10	11	13		89	0	44	53	60	69		
4	14	0	10	10	11	13		87	0	37	54	61	68		
5	14	0	10	10	11	13		5	0	28	54	60	72		
6	14	8	10	10	12	13		0	0	45	56	60	72		
7	0	8	10	10	12	13		0	0	51	56	65	77		
8	0	8	10	10	12	13		0	0	52	55	64	80		
9	0	8	10	10	12	13		0	22	53	55	64	80		
10	0	8	10	10	12	13		0	44	53	54	61	80		
11	0	9	10	11	12	13		0	44	53	56	59	76		
12	0	9	10	11	12	13		0	45	56	55	59	76		
13	0	9	10	12	12	13		0	43	55	55	60	69		
14	0	9	10	12	12	13		0	43	54	55	59	71		
15	0	9	10	12	12	13		0	43	55	55	59	68		
16	0	10	11	11	12	13		0	43	55	56	60	70		
17	0	10	11	11	12	13		0	43	51	57	59	72		
18	0	10	11	11	12	13		0	43	54	56	59	68		
19	0	10	11	11	12	13		0	42	53	55	62	68		
20	0	10	11	11	12	13		0	43	54	56	67	68		
21	0	10	10	11	13	13		0	42	55	55	66	68		
22	0	10	10	11	13	13		0	41	55	54	65	66		
23	0	10	10	11	14	13		0	42	55	55	67	69		
24	0	10	10	11	15	13		0	45	55	54	68	70		
25	0	10	10	11	15	13		0	45	55	54	68	76		
26	0	10	10	11	14	13		0	45	53	55	67	80		
27	0	10	10	11	13	14		0	44	53	53	68	79		
28	0	10	10	11	13	14		0	44	53	61	68	78		
29	0	10	10	11	13	14		0	43	58	61	69	77		
30	0	10	10	11	13	14		0	44	55	65	68	77		
31	0	10	...	11	13	...		0	45	...	66	68	...		
Mean	15	8	10	11	12	13		71	32	51	56	63	73		
Max.	15	10	11	12	15	14		89	45	58	66	69	80		
Min.	0	0	10	10	11	13		0	0	28	53	59	66		
A.F.	172	486	605	662	762	781		712	1940	3051	3447	3894	4320		
Water diverted	3468 A. F.							17374 A. F.							

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

TRI-STATE CANAL							TRI-STATE CANAL					
Diverterd from		Dry Spotted		Tail Creek			Diverterd from		Wet Spotted		Tail	
Date	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.
1	0	0	0	0	24	29	30	0	25	10	17	21
2	0	0	0	0	26	29	29	0	17	12	17	20
3	0	0	0	0	24	29	29	0	18	11	19	18
4	0	0	0	0	24	29	29	0	20	11	21	20
5	0	0	0	0	23	31	31	0	17	13	21	20
6	0	0	0	0	24	30	31	5	13	11	23	20
7	0	0	0	0	33	33	0	4	12	13	30	24
8	0	0	0	0	27	34	0	3	11	13	27	26
9	0	0	0	0	28	34	0	3	12	12	22	28
10	0	0	0	0	26	33	0	3	13	14	26	31
11	0	0	0	0	24	34	0	3	13	10	26	30
12	0	0	0	0	24	30	0	3	24	10	24	28
13	0	0	0	0	24	30	0	5	14	9	23	30
14	0	0	0	0	24	29	0	4	15	9	17	28
15	0	0	0	0	25	27	0	7	16	9	20	25
16	0	0	0	0	26	26	0	4	25	9	19	26
17	0	0	0	0	27	25	0	6	23	11	21	29
18	0	0	0	0	28	25	0	8	20	13	20	28
19	0	0	0	0	27	24	0	9	15	14	20	24
20	0	0	0	0	29	24	0	10	15	16	20	25
21	0	0	0	22	30	23	0	11	16	15	20	25
22	0	0	0	25	29	23	0	12	18	15	19	26
23	0	0	0	24	30	22	0	8	17	19	20	25
24	0	0	0	24	30	22	0	8	16	20	19	30
25	0	0	0	24	31	21	0	10	17	15	21	30
26	0	0	0	26	29	22	0	14	17	15	22	32
27	0	0	0	25	28	22	0	14	16	15	20	31
28	0	0	0	27	29	20	0	14	13	14	22	30
29	0	0	0	29	27	20	0	14	12	15	18	31
30	0	0	0	24	29	20	0	13	10	14	17	31
31	0	0	....	22	29	....	0	24	....	16	20	....
Mean	0	0	0	9	27	26	6	7	16	13	21	26
Max.	0	0	0	29	33	34	31	24	25	20	30	32
Min.	0	0	0	0	23	20	0	0	10	9	17	18
A.F.	0	0	0	540	1662	1587	355	434	972	799	1291	1571
Water diverted 3789 A. F.							Water diverted 5422 A. F.					

TRI-STATE CANAL							TRI-STATE CANAL					
Diverterd from		Tub Springs		Alliance Drain			Diverterd from		Alliance Drain		Drain	
Date	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.
1	38	8	1	27	22	36	16	0	0	0	10	11
2	37	8	0	27	31	36	16	0	0	0	10	11
3	36	8	0	27	33	36	16	0	0	0	10	11
4	36	8	0	26	35	36	16	0	0	0	10	11
5	3	9	0	26	34	38	16	0	0	0	10	10
6	0	9	0	27	33	38	16	0	0	7	10	11
7	0	9	2	27	37	38	16	0	0	0	13	12
8	0	10	23	27	38	39	16	0	0	0	12	13
9	0	10	13	27	38	38	16	0	0	7	11	12
10	0	10	1	28	36	39	0	0	0	7	11	12
11	0	11	0	28	33	40	0	0	0	7	11	12
12	0	11	0	27	24	38	0	0	0	7	11	12
13	0	12	0	28	24	38	0	0	0	7	11	14
14	0	12	0	27	31	36	0	0	0	7	11	14
15	0	12	3	27	43	35	0	0	0	7	11	14
16	0	13	0	26	46	35	0	0	0	7	10	13
17	0	14	0	27	47	35	0	0	0	7	12	14
18	0	14	0	32	39	34	0	0	0	8	11	15
19	0	15	0	33	35	34	0	0	0	8	11	14
20	0	15	0	33	36	33	0	0	0	8	13	14
21	0	15	0	33	36	33	0	0	0	9	11	13
22	0	16	0	33	36	32	0	0	0	9	12	13
23	0	16	8	36	36	31	0	0	0	9	11	11
24	0	16	24	34	36	31	0	7	0	9	13	13
25	0	16	25	34	37	30	0	8	0	10	12	11
26	0	15	14	34	37	30	0	6	0	10	13	13
27	0	14	0	25	37	29	0	8	0	10	12	13
28	0	13	0	27	37	29	0	8	0	11	11	11
29	0	12	0	30	36	29	0	8	0	11	11	11
30	0	18	14	23	37	29	0	7	0	11	11	11
31	0	18	....	21	38	....	0	8	....	11	11	....
Mean	30	12	4	29	35	34	5	2	0	6	11	12
Max.	38	18	25	36	47	40	16	8	0	11	13	15
Min.	0	8	0	21	22	29	0	0	0	0	10	10
A.F.	297	768	254	1759	2178	2053	286	119	0	405	688	734
Water diverted 7309 A. F.							Water diverted 2232 A. F.					

(See next page for summary in acre-feet of Tri-State Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

TRI-STATE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River:—							
At rating station.....	2688	45378	45976	49635	48112	35717	227506
Lateral No. 1.....	0	211	159	266	228	135	1002
Lateral No. 2.....	0	238	280	254	214	97	1083
Lateral No. 3.....	0	75	87	83	101	52	398
Subtotal	2688	45905	46502	50238	48655	36001	229989
Diverted from Drains:—							
Sheep Creek	712	1910	3051	3447	3894	4330	17374
Akers Draw	172	486	605	662	762	781	3468
Tub Springs	297	768	254	1759	2178	2053	7309
Spotted Tail Creek, Dry.....	0	0	0	540	1662	1587	3789
Spotted Tail Creek, Wet.....	355	434	972	799	1291	1571	5422
Moffat Drain	0	0	0	0	0	0	0
Alliance Drain	286	119	0	405	688	734	2232
Subtotal	1822	3747	4882	7612	10475	11056	39594
Total diverted from river and drains	4510	49652	51384	57850	59130	47057	269583
Spilled to:—							
Toohy Spillway	0	0	0	0	0	0	0
Mitchell Spillway	0	0	0	0	0	0	0
Nine Mile Drain.....	0	0	0	0	0	0	0
Red Willow Creek.....	0	0	482	0	0	0	482
Total spill	0	0	482	0	0	0	482
Net diverted	4510	49652	50902	57850	59130	47057	269101
Diverted for Northport Irrigation							
District	522	10207	12603	12282	13464	8876	57954
Net for Farmers Irrigation District	3988	39145	38299	45568	45666	38181	211147

TRI-STATE CANAL—D-918							
Daily Diversions from All Sources							
Date	Oct.	May	June	July	Aug.	Sept.	
1	424	8	867	781	682	552	
2	379	8	848	774	685	538	
3	374	8	848	768	674	495	
4	362	8	807	784	680	488	
5	239	9	757	769	684	488	
6	125	98	712	725	680	474	
7	16	338	702	673	708	536	
8	16	498	741	639	692	636	
9	16	624	777	651	696	650	
10	0	508	752	663	685	670	
11	0	753	764	640	672	724	
12	0	784	711	585	681	607	
13	0	701	667	729	687	667	
14	0	706	661	731	691	750	
15	0	728	646	660	705	764	
16	0	785	618	674	693	773	
17	0	761	410	661	745	706	
18	0	739	386	664	678	640	
19	0	806	370	679	687	495	
20	0	845	357	671	704	659	
21	0	836	407	693	691	725	
22	0	826	394	693	676	698	
23	0	833	378	663	691	657	
24	0	837	377	662	710	655	
25	0	824	460	683	682	645	
26	0	816	696	685	681	656	
27	0	835	690	669	778	593	
28	0	829	750	665	697	594	
29	0	837	782	675	682	601	
30	0	854	815	673	693	606	
31	0	886	.....	680	661	.....
Mean	63	610	639	689	690	604	
Max.	424	886	867	784	745	773	
Min.	0	8	357	585	661	474	
A.P.	3870	37544	38044	42371	42469	37175	
Water diverted 201473 A. F.							

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

TRI-STATE CANAL—D-918
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted for D-918 from all sources....	3870	37544	38044	42371	42469	37175	201473
Spill	0	0	482	0	0	0	482
Net diverted for D-918.....	3870	37544	37562	42371	42469	37175	200991

Area reported 62953 acres.

Net diverted 200991 A. F. including storage.

Per acre 3.20 A. F.

Storage diverted 36624 A. F.

Acreage Reported
D-918 62953

TRI-STATE CANAL—A-660

Daily Diversions from All Sources

Date	Oct.	May	June	July	Aug.	Sept.
1	14	0	41	52	52	52
2	11	0	41	52	52	52
3	11	0	41	52	52	52
4	10	0	39	52	52	52
5	10	0	37	52	52	52
6	0	4	36	52	52	52
7	0	18	33	52	52	52
8	0	27	34	52	52	52
9	0	33	36	52	52	52
10	0	26	36	52	52	39
11	0	40	36	52	52	0
12	0	41	33	52	52	0
13	0	37	31	52	52	0
14	0	35	31	52	52	0
15	0	38	31	52	52	6
16	0	41	28	52	52	6
17	0	40	17	52	52	0
18	0	38	17	52	52	0
19	0	42	17	52	52	0
20	0	44	16	52	52	0
21	0	44	19	52	52	0
22	0	43	18	52	52	0
23	0	44	17	52	52	0
24	0	44	16	52	52	0
25	0	39	20	52	52	0
26	0	38	35	52	52	0
27	0	39	35	52	52	0
28	0	39	39	52	52	0
29	0	40	52	52	52	0
30	0	40	52	52	52	0
31	0	45	....	52	52	....
Mean	2	19	31	52	52	16
Max.	14	45	52	52	52	52
Min.	0	0	16	52	52	0
A.F.	119	1902	1852	3197	3197	1006

Water diverted 11273 A. F.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

UNION CANAL
Diverted from Blue Creek and Crescent
Lake—A-1575

Date	Oct.	May	June	July	Aug.	Sept.
1	0	0	0	2	23	14
2	0	0	0	5	14	15
3	2	0	0	3	6	15
4	7	0	0	4	7	14
5	7	0	0	10	8	14
6	7	0	0	11	13	16
7	7	0	0	12	10	17
8	6	0	0	12	13	18
9	6	0	0	12	13	18
10	5	0	0	12	8	17
11	4	0	0	15	4	16
12	4	0	0	20	6	15
13	5	0	0	24	7	15
14	6	0	0	22	9	14
15	7	0	0	22	10	15
16	7	0	3	22	8	16
17	7	0	10	4	7	11
18	5	0	11	0	7	11
19	5	0	10	0	10	20
20	6	0	8	0	13	20
21	4	0	8	0	13	20
22	2	0	6	0	13	17
23	2	0	10	0	12	16
24	2	0	14	8	15	18
25	2	0	20	22	9	18
26	0	0	16	23	8	16
27	0	0	15	22	7	15
28	0	0	10	22	6	17
29	0	0	6	22	16	11
30	0	0	0	24	15	11
31	0	0	...	25	13	...
Mean	4	0	5	12	10	15
Max.	7	0	20	25	23	20
Min.	0	0	0	0	4	11
A.F.	228	0	292	754	641	932

Area reported 1233 acres
Water diverted 2847 A. F.
Per acre 2.31 A. F.

Acreage Reported
D-763 1233

No diversion from Crescent Lake.

WESTERN CANAL

Diverted from South Platte River

Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept
1	45	120	0	70	15	51	42	27
2	49	118	0	90	0	47	38	27
3	51	125	19	118	31	49	37	26
4	66	138	70	120	44	45	37	27
5	82	116	49	103	47	45	35	27
6	107	105	44	91	38	42	33	32
7	116	107	40	88	44	42	37	29
8	116	111	30	76	42	42	35	29
9	111	127	34	66	45	44	33	30
10	107	111	33	86	45	40	32	32
11	105	103	60	114	49	38	33	35
12	105	99	60	109	55	35	30	29
13	103	90	55	103	53	32	30	27
14	103	92	51	105	62	30	32	27
15	103	88	47	105	64	30	30	27
16	105	84	40	96	64	29	30	29
17	103	86	42	90	64	35	30	27
18	103	88	42	76	60	33	30	29
19	109	90	51	72	62	32	30	29
20	120	92	57	64	64	30	32	27
21	129	90	51	66	60	30	33	27
22	125	62	51	64	58	32	27	29
23	127	0	47	62	57	38	27	33
24	127	0	47	58	55	44	27	35
25	133	0	38	57	55	47	27	35
26	133	0	42	68	81	38	27	32
27	122	0	66	72	80	37	29	30
28	120	0	60	68	58	35	20	32
29	116	0	47	62	57	35	27	33
30	114	0	33	64	53	38	27	32
31	116	...	...	53	...	53	27	...
Mean	105	72	43	82	52	39	31	29
Max.	133	138	66	120	84	53	42	35
Min.	45	0	0	53	0	29	27	26
A.F.	6488	4447	2571	5036	3104	2376	1932	1765

Area reported 12094 acres
Water diverted 27719 A. F.
Per acre 2.29 A. F.

Acreage Reported
A-393 11810
A-1804 284

Total 12094

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

WHITNEY RESERVOIR—WHITNEY IRRIGATION DISTRICT

Date	Diverted from White River, Storage in acre-feet					Storage in acre-feet		
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1					7725	8490		
2						8490	6910	
3				6830			6830	
4						8320		
5						8320	6750	4540
6							6670	4470
7								4405
8				6950		8060	6520	4275
9						7980	6370	4210
10						7895	6145	
11						7725		4015
12								3950
13	4470			7895			5845	3820
14								3700
15			6520				5770	
16							5695	
17		5770				7555	5620	
18								
19						7390	5470	
20				7150		7230	5395	
21						7230	5245	3180
22			6595				5170	
23							7070	
24				7310		6990	4960	
25								
26								
27								
28		6295						
29								
30								
31						6910		

WINTERS CREEK CANAL

Date	Diverted from North Platte River				
	May	June	July	Aug.	Sept.
1	0	27	20	25	18
2	0	23	22	25	16
3	7	16	18	25	18
4	27	15	17	28	18
5	27	18	20	15	19
6	27	20	25	0	20
7	23	20	18	0	20
8	16	22	12	3	21
9	19	18	15	12	6
10	31	12	16	13	9
11	32	9	17	12	11
12	25	10	19	18	12
13	19	12	22	20	13
14	18	10	19	26	12
15	14	12	19	29	7
16	10	6	22	29	7
17	15	0	9	29	11
18	14	0	0	29	9
19	16	0	31	19	13
20	20	0	24	13	12
21	25	0	27	15	14
22	21	0	34	21	14
23	27	0	29	24	20
24	28	0	33	23	32
25	26	3	24	22	29
26	25	15	19	23	21
27	29	19	12	23	15
28	30	20	24	25	16
29	29	20	25	27	17
30	25	20	24	26	8
31	29	....	24	23	....
Mean	21	11	21	20	15
Max.	32	27	34	29	32
Min.	0	0	0	0	6
A. F.	1297	688	1269	1234	908
Water diverted	5396 A. F.				

WINTERS CREEK CANAL

Date	Diverted from Winters Creek				
	May	June	July	Aug.	Sept.
1	0	31	25	9	37
2	0	50	21	26	43
3	0	36	16	39	43
4	0	22	23	37	33
5	1	14	36	39	35
6	9	14	42	47	34
7	22	30	44	43	32
8	24	44	28	41	26
9	33	41	19	30	21
10	34	41	16	17	20
11	48	39	17	10	17
12	52	35	19	15	39
13	43	35	28	19	24
14	35	35	30	30	32
15	42	45	29	33	33
16	33	14	31	34	38
17	45	0	6	34	35
18	44	0	4	37	33
19	38	0	36	38	30
20	52	0	39	35	32
21	47	0	40	42	29
22	33	0	40	43	31
23	43	0	39	36	33
24	46	0	39	35	33
25	46	20	37	37	34
26	35	17	40	37	36
27	34	24	37	37	39
28	39	30	35	37	37
29	40	30	22	33	39
30	39	25	6	34	34
31	41	....	0	37	....
Mean	32	22	27	33	33
Max.	52	50	44	47	43
Min.	0	0	0	9	17
A. F.	1979	1333	1674	2025	1948
Water diverted	8959 A. F.				

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Continued

WINTERS CREEK LATERAL

Diverted from Winters Creek

Date	May	June	July	Aug.	Sept.
1	0	9	9	13	7
2	0	5	3	9	6
3	0	0	12	7	3
4	0	0	9	7	3
5	0	4	10	10	3
6	6	9	13	15	7
7	12	9	6	2	2
8	18	9	6	2	2
9	11	9	5	0	4
10	17	9	4	0	5
11	17	9	3	0	6
12	17	7	9	5	8
13	4	2	9	5	13
14	9	0	9	9	11
15	8	0	10	6	9
16	8	0	9	6	9
17	7	0	0	6	9
18	7	0	0	6	9
19	12	0	9	6	6
20	8	0	12	7	7
21	9	0	9	6	7
22	8	0	10	12	5
23	5	0	6	8	7
24	13	0	4	6	9
25	12	0	9	7	10
26	9	5	3	4	9
27	7	4	17	2	6
28	9	9	9	6	12
29	7	9	3	7	13
30	6	9	3	6	15
31	6	...	4	7	...
Mean	8	6	7	6	7
Max.	18	9	17	15	15
Min.	0	0	0	0	2
A.F.	506	240	444	381	450
Water diverted	2021 A. F.				

WINTERS CREEK CANAL

Diverted from Minatare Drain

Date	May	June	July	Aug.	Sept.
1	0	3	5	4	5
2	0	3	5	4	5
3	0	3	5	4	5
4	0	3	5	4	5
5	0	3	5	4	5
6	3	3	5	4	5
7	3	2	5	4	5
8	3	2	5	4	5
9	3	2	5	4	5
10	3	2	5	4	5
11	3	2	5	5	5
12	3	2	5	5	5
13	3	2	5	5	5
14	3	2	5	5	5
15	3	2	5	5	5
16	3	2	6	5	5
17	3	2	6	5	5
18	3	2	6	5	5
19	3	2	6	5	5
20	3	2	6	5	5
21	4	5	7	5	4
22	4	5	7	5	4
23	4	5	7	5	4
24	4	5	7	5	4
25	4	5	7	5	4
26	4	5	7	5	4
27	4	5	7	5	4
28	4	5	7	5	4
29	4	5	7	5	4
30	4	5	7	5	4
31	4	...	5	5	...
Mean	3	3	6	5	5
Max.	4	5	7	5	5
Min.	0	2	5	4	4
A.F.	176	190	337	288	278
Water diverted	1269 A. F.				

WINTERS CREEK CANAL

Diverted from Scottsbluff Drain

No. 1

Date	May	June	July	Aug.	Sept.
1	*	2	3	2	3
2	*	2	3	2	3
3	*	2	3	2	3
4	*	2	3	2	3
5	*	2	3	2	3
6	*	2	2	3	3
7	*	2	2	3	3
8	*	2	2	3	3
9	*	2	2	3	3
10	*	2	2	3	3
11	*	2	1	2	4
12	*	2	1	2	4
13	*	2	1	2	4
14	*	2	1	2	4
15	*	2	1	2	4
16	*	2	2	2	3
17	*	2	2	2	3
18	*	2	2	2	3
19	*	2	2	2	3
20	*	2	2	2	3
21	*	2	2	3	4
22	*	2	2	3	4
23	*	2	2	3	4
24	*	2	2	3	4
25	*	2	2	3	4
26	*	6	12	3	3
27	*	4	12	3	3
28	*	3	12	3	3
29	*	2	12	3	3
30	*	2	12	3	3
31	*	...	2	3	...
Mean	*	2	2	2	3
Max.	*	6	3	3	4
Min.	*	2	1	2	3
A.F.	*	133	123	155	198
Water diverted	609 A. F.				

*No record.

DISCHARGE OF CANALS IN SECOND-FEET, 1939—Concluded

WINTERS CREEK CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from:—						
North Platte River.....	1297	688	1269	1234	908	5396
Winters Creek—						
Main Canal	1979	1333	1674	2025	1948	8959
Factory Lateral	506	240	444	381	450	2021
Minatare Drain	176	190	337	288	278	1269
Scottsbluff Drain No. 1.....	*	133	123	155	198	609
Total diverted	3958	2584	3847	4083	3782	18254
Spill:—						
†Main Canal to Winters Creek.....	460	81	*	*	*	541
†Lateral No. 9.....	7	53	*	*	*	60
†To Minatare Drain.....	115	250	*	*	*	365
†Factory Lateral to Winters Creek.....	*	*	*	*	*	*
Total spill	582	384	*	*	*	966
Net for irrigation.....	3376	2200	3847	4083	3782	17288

Area reported 4504 acres.

Net diverted 17288 A. F.—incomplete record.

Per acre 3.84 A. F.

*No record.

†Record furnished by Winters Creek Canal Company.

Acreage Reported
D-952 4504

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940

		ALFALFA CANAL						
		Diverted from North Platte River						
Date	Oct.	Nov.	Apr.	May.	June	July	Aug.	Sept.
1	49	54	0	14	0	0	0	0
2	49	54	0	13	0	0	0	0
3	72	50	0	7	0	0	0	0
4	59	50	0	7	0	0	0	0
5	62	50	0	7	0	0	0	0
6	62	40	0	7	0	0	0	0
7	61	40	0	13	0	0	0	0
8	61	40	0	19	0	0	0	0
9	62	40	0	16	28	0	0	0
10	60	40	0	12	25	0	0	0
11	50	30	0	22	17	0	0	0
12	50	30	0	20	13	0	0	0
13	50	30	0	40	16	0	0	0
14	40	30	0	25	20	0	0	0
15	40	30	0	23	30	0	0	0
16	40	30	10	22	42	0	0	0
17	40	30	20	0	38	0	0	0
18	40	30	20	0	20	0	0	0
19	40	30	20	0	0	0	0	0
20	41	30	20	0	0	0	0	0
21	41	30	20	0	0	0	0	0
22	42	30	20	0	0	0	0	0
23	42	30	20	0	0	0	0	0
24	44	30	17	0	0	0	0	0
25	43	30	17	0	0	0	0	0
26	56	30	15	0	0	0	0	0
27	53	32	15	0	0	0	0	0
28	52	32	15	0	0	0	0	0
29	54	30	15	0	0	0	0	15
30	53	30	15	0	0	0	0	10
31	53	....	....	0	....	0	0	....
Mean	51	36	9	9	8	0	0	1
Max.	72	54	20	40	42	0	0	15
Min.	40	30	0	0	0	0	0	0
A.F.	3102	2166	514	530	494	0	0	50
Area reported		3058 acres.						
Water diverted		6856 A. F.						
Per acre		2.24 A. F.						
		Acreage Reported D-738 3058						

		ALLIANCE CANAL				
		Diverted from Bayard Sugar Factory Drain				
Date	May	June	July	Aug.	Sept.	
1	0	27	0	0	6	
2	0	29	0	0	6	
3	0	29	0	0	7	
4	0	38	0	0	8	
5	0	0	0	0	5	
6	0	0	0	0	5	
7	0	0	0	0	5	
8	0	40	0	0	4	
9	0	41	0	11	5	
10	6	29	25	0	5	
11	10	31	26	0	11	
12	9	27	26	0	15	
13	15	28	24	0	17	
14	15	29	24	0	17	
15	24	29	24	15	16	
16	44	26	33	18	17	
17	26	27	28	20	16	
18	36	30	0	20	17	
19	27	31	0	20	17	
20	26	35	0	15	22	
21	29	0	0	19	22	
22	26	0	0	19	18	
23	26	0	0	17	9	
24	27	0	0	20	9	
25	28	0	0	20	12	
26	31	0	0	1	9	
27	33	0	0	5	9	
28	26	0	0	6	9	
29	31	0	0	5	13	
30	32	0	0	5	13	
31	31	....	....	0	....
Mean	18	17	7	8	11	
Max.	44	41	33	20	22	
Min.	0	0	0	0	4	
A.F.	1099	1043	416	484	682	
Water diverted		3724 A. F.				

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

Date	ALLIANCE CANAL							Sept.
	Oct.	Nov.	Apr.	May	June	July	Aug.	
1	39	2	0	0	32	0	0	30
2	21	2	0	0	33	0	0	30
3	14	1	0	9	24	0	0	31
4	16	1	0	16	13	0	0	28
5	16	1	0	16	14	0	0	32
6	17	1	0	19	6	0	6	28
7	19	1	0	14	8	0	8	30
8	20	0	0	19	15	0	6	29
9	15	0	5	23	15	0	24	28
10	8	6	8	22	15	24	25	36
11	9	0	2	25	22	30	25	35
12	14	1	0	25	16	24	25	32
13	15	1	0	20	14	24	26	33
14	14	3	2	16	20	27	26	34
15	14	3	2	15	27	30	25	34
16	15	1	2	15	27	32	28	29
17	15	2	2	14	31	35	29	29
18	15	1	0	16	34	11	28	30
19	17	1	0	22	36	0	29	30
20	10	3	0	23	37	0	26	30
21	2	4	0	23	16	0	27	30
22	1	3	0	24	1	0	33	23
23	4	3	0	19	0	0	33	22
24	4	2	0	18	0	0	29	24
25	6	0	0	24	0	0	29	26
26	7	0	0	21	0	0	28	22
27	12	0	0	19	0	0	26	18
28	8	0	0	28	0	0	28	19
29	6	0	0	16	0	0	27	17
30	6	0	0	14	0	0	27	14
31	3	.....	.....	32	.....	0	29	.....
Mean	12	.....	.....	18	15	8	21	27
Max.	39	4	8	32	37	35	33	36
Min.	1	0	0	0	0	0	0	14
A. F.	758	73	46	1125	904	470	1293	1652

Water diverted 6321 A. F.

ALLIANCE CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:—									
Bayard Sugar									
Factory Drain.....	0	0	0	1099	1043	416	484	682	3724
Red Willow Creek.....	758	73	46	1125	904	470	1293	1652	6321
Camp Clark Seep....	0	0	0	0	0	0	0	0	0
Total diverted.....	758	73	46	2224	1947	886	1777	2334	10045

Area reported 6128 acres.
Water diverted 10045 A. F.
Per acre 1.64 A. F.Acreage Reported
D-874-1035 6128

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

ALMERIA CANAL					
Diverted from North Loup River					
Date	May	June	July	Aug.	Sept.
1	0	*	*	36	30
2	*	*	*	31	*
3	*	*	16	36	*
4	*	*	*	35	30
5	*	*	*	37	31
6	*	*	*	37	31
7	*	*	*	36	31
8	*	*	*	36	30
9	*	*	*	36	30
10	*	*	*	36	30
11	*	*	*	35	30
12	*	*	*	36	30
13	*	*	*	36	30
14	*	*	*	36	30
15	*	*	*	28	30
16	*	*	*	31	30
17	*	*	*	34	31
18	*	*	*	36	31
19	*	*	*	11	31
20	*	*	*	0	32
21	*	*	*	33	31
22	*	*	*	32	30
23	*	*	*	33	31
24	*	*	28	33	31
25	*	*	*	32	30
26	*	*	32	32	30
27	*	*	31	32	32
28	*	*	34	32	31
29	*	*	31	32	31
30	*	*	36	32	32
31	20	....	36	31	....
Mean	*	*	*	32	29
Max.	*	*	*	36	37
Min.	*	*	*	16	0
A.F.	*	*	496	1970	1700
Area reported	3603 acres.		Acreage Reported		
Water diverted—	incomplete record—		A-2469 1692		
4166 A. F.	Report Filed		A-2868 1911		
Per acre 1.16 A. F.	Report Filed		No		
✓No record.	Total		3603		

ATKINS-POLLY CANAL						
Diverted from Lodgepole Creek						
Date	Oct.	May	June	July	Aug.	Sept.
1	1	0	1	0	1	2
2	2	0	1	0	1	2
3	2	0	0	1	1	2
4	1	0	0	0	1	2
5	1	0	0	1	1	0
6	1	0	0	1	1	2
7	1	0	0	1	1	2
8	1	0	0	1	1	2
9	0	0	0	1	0	2
10	0	0	0	1	1	2
11	0	0	0	1	1	2
12	0	0	0	1	1	2
13	0	0	0	1	0	2
14	0	0	0	1	1	2
15	0	0	0	1	1	2
16	0	1	0	1	1	2
17	0	1	0	0	1	2
18	0	1	1	1	0	2
19	0	1	0	0	0	2
20	0	1	1	1	0	2
21	0	1	1	1	1	2
22	0	1	1	0	1	2
23	0	1	1	1	1	2
24	1	1	1	0	1	2
25	1	1	0	1	2	1
26	1	1	0	0	2	1
27	1	1	0	1	2	1
28	0	1	0	1	2	1
29	0	1	0	1	2	0
30	0	2	0	1	2	0
31	0	1	....	1	2	....
Mean	0.5	0.5	0.3	1	1	1
Max.	2	2	1	1	2	2
Min.	0	0	0	0	0	0
A.F.	28	34	16	46	65	99
Area reported	85 acres.		Acreage Reported			
Water diverted—	estimated 288 A. F.		D-342 55			
Per acre 3.40 A. F.	Total		D-344 30			
	Total		85			

BARBER CANAL						
Diverted from Clear Creek						
Date	Apr.	May	June	July	Aug.	Sept.
1	0	6	5	0	0	0
2	0	6	5	0	0	0
3	0	6	6	0	0	0
4	0	6	6	0	0	0
5	0	6	0	0	0	0
6	0	6	0	0	0	0
7	0	8	0	0	0	0
8	0	7	0	0	0	0
9	0	7	4	0	0	0
10	0	6	4	0	0	0
11	0	5	5	0	0	0
12	0	5	5	0	0	0
13	0	5	5	5	0	0
14	0	5	5	5	0	0
15	0	5	4	6	0	0
16	0	5	4	6	0	0
17	0	5	4	6	0	0
18	0	5	4	5	0	0
19	0	5	4	0	0	7
20	0	7	4	0	0	7
21	0	6	0	0	0	8
22	3	6	0	0	0	7
23	3	6	0	0	0	7
24	6	6	0	0	0	7
25	6	6	0	0	0	7
26	6	5	0	0	0	7
27	6	5	0	0	0	7
28	6	5	0	0	0	5
29	6	5	0	0	0	5
30	6	6	0	0	0	5
31	..	5	0	0	0	..
Mean	1	6	2	1	0	2
Max.	6	8	6	6	0	8
Min.	0	5	0	0	0	0
A.F.	95	351	147	65	0	157
Area reported	855 acres.		Acreage Reported			
Water diverted	815 A. F.		D-754 775			
Per acre 0.95 A. F.	Report Filed		A-1111 80			
	Total		855			

BEERLINE CANAL						
Diverted from North Platte River and Pathfinder Reservoir						
Date	Oct.	May	June	July	Aug.	Sept.
1	10	0	0	6	7	7
2	20	0	0	5	8	5
3	22	0	0	2	8	6
4	23	0	0	0	7	8
5	23	0	0	0	7	10
6	25	0	0	0	8	7
7	26	0	14	0	7	4
8	16	0	17	0	1	0
9	20	0	3	0	1	0
10	21	0	0	0	5	0
11	14	6	2	0	11	0
12	0	5	11	0	9	0
13	0	12	10	2	8	0
14	0	16	14	4	4	0
15	0	15	16	1	0	0
16	0	12	9	1	0	0
17	0	10	8	1	0	0
18	0	0	10	1	0	0
19	0	0	4	0	0	0
20	0	0	2	0	0	0
21	0	0	2	0	0	0
22	0	0	0	0	0	0
23	0	0	0	0	0	0
24	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	0	0	0	0	0
27	0	0	0	0	0	0
28	0	0	8	9	0	0
29	0	0	12	10	0	0
30	1	0	7	10	0	0
31	0	0	....	8	2	....
Mean	7	2	5	2	3	1
Max.	26	16	17	10	11	10
Min.	0	0	0	0	0	0
A.F.	478	151	296	119	184	93
Area reported	855 acres.		Acreage Reported			
Water diverted including	storage 1281 A. F.		D-887 2080			
Per acre 0.62 A. F.	Storage diversions		450 A. F.			
	Total		855			

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

BELMONT CANAL							BELMONT FEEDER						
Diverted from North Platte R. ver							Diverted from Cedar Creek						
Date	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.	
1	95	0	59	0	0	104	5	0	8	0	2	7	
2	98	0	57	0	93	101	5	0	8	0	7	7	
3	95	0	73	0	98	95	5	0	9	0	7	7	
4	95	0	93	0	88	93	5	0	11	0	6	7	
5	67	0	45	47	93	93	2	0	11	0	6	7	
6	69	0	50	110	107	110	0	0	11	6	6	7	
7	45	33	53	116	95	104	0	0	11	9	8	7	
8	28	59	55	135	83	107	0	0	8	10	7	7	
9	0	61	59	122	98	85	0	0	6	11	6	9	
10	0	61	59	125	107	78	0	0	10	9	6	10	
11	0	69	63	113	104	104	0	0	11	9	6	9	
12	0	83	67	104	75	119	0	0	9	8	6	9	
13	0	93	67	88	98	122	0	7	9	8	7	9	
14	0	95	69	71	93	107	0	5	8	8	7	8	
15	0	88	93	81	81	107	0	1	8	9	6	9	
16	0	88	113	119	85	107	0	5	8	9	6	9	
17	0	93	110	116	65	107	0	8	8	5	7	9	
18	0	93	113	95	69	110	0	9	8	2	7	9	
19	0	90	110	93	61	101	0	8	8	1	7	9	
20	0	86	113	33	75	93	0	7	8	0	7	7	
21	0	67	135	0	71	88	0	8	9	0	7	6	
22	0	65	113	0	88	90	0	8	9	0	7	6	
23	0	59	119	0	75	101	0	8	9	0	7	6	
24	0	48	125	0	98	90	0	8	9	0	7	10	
25	0	40	83	0	83	75	0	8	9	0	7	6	
26	0	32	0	0	83	73	0	8	8	0	7	6	
27	0	27	0	0	88	75	0	8	0	0	7	6	
28	0	28	0	0	95	78	0	8	0	0	7	6	
29	0	33	0	0	95	78	0	8	0	0	7	6	
30	0	63	0	0	104	73	0	8	0	0	7	6	
31	0	63	....	0	113	....	0	8	....	0	7	....
Mean	19	52	70	50	83	95	1	4	8	3	7	7	
Max.	98	95	135	135	113	122	5	9	11	11	8	10	
Min.	0	0	0	0	0	73	0	0	0	0	2	6	
A.F.	1174	3207	4157	3110	5278	5689	44	274	458	206	405	448	
Water diverted	22615 A. F.						1835 A. F.						

BELMONT CANAL SPILL
To Pumpkinseed Creek—
Sec. 23-19-50 W.

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	8	0	0	0	0
10	7	0	0	0	0
11	3	0	0	0	0
12	1	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	4
21	0	0	0	0	4
22	0	0	0	0	5
23	0	0	0	0	5
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	....	0	0	....
Mean	1	0	0	0	1
Max.	8	0	0	0	5
Min.	0	0	0	0	0
A.F.	38	0	0	0	36

Total acre-feet 74.
(See next page for summary in acre-feet of Belmont Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

BELMONT CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River.....	1174	3207	4157	3110	5278	5689	22615
Cedar Creek	44	274	438	206	405	448	1835
Total diverted	1218	3481	4615	3316	5683	6137	24450
Spill into:—							
Pumpkinseed Creek	0	38	0	0	0	36	74
Cedar Creek	0	0	0	0	0	0	0
Total spill	0	38	0	0	0	36	74
Delivered to Empire Canal.....	75	222	301	252	0	345	1195
Net to Belmont.....	1143	3221	4314	3064	5683	5756	23181

Area reported 14111 acres.
Net diverted 23181 A. F.
Per acre 1.64 A. F.

Acreage Reported
D-828 (O.D. A-1397) 14111

BICKEL CANAL

Date	Diverted from Lodgepole Creek						
	Oct.	May	June	July	Aug.	Sept.	
1	2	0	0	1	1	2	
2	2	0	0	1	1	2	
3	2	0	0	1	1	3	
4	2	0	0	1	1	2	
5	2	0	0	1	1	2	
6	2	0	0	1	1	2	
7	2	0	0	1	1	2	
8	2	0	0	1	1	2	
9	2	0	0	1	1	2	
10	0	0	0	1	1	3	
11	0	0	0	1	1	2	
12	0	0	0	1	1	2	
13	0	0	0	1	1	2	
14	0	0	0	1	1	2	
15	0	0	0	1	1	2	
16	0	0	0	1	1	2	
17	0	0	0	1	0	2	
18	0	0	1	1	0	2	
19	0	0	1	1	0	2	
20	0	0	1	1	0	3	
21	0	0	1	0	0	2	
22	0	0	2	0	2	2	
23	0	0	2	0	0	3	
24	0	0	2	0	2	3	
25	0	0	2	0	2	3	
26	0	0	1	0	2	3	
27	0	0	1	0	2	2	
28	0	0	1	0	2	2	
29	0	0	1	1	2	3	
30	0	0	1	1	2	3	
31	0	0	...	1	2	...	
Mean	0.6	0	0.6	0.7	1	2	
Max.	2	0	2	1	2	3	
Min.	0	0	0	0	0	2	
A.F.	36	0	34	46	67	137	

Area reported 88 acres. Acreage Reported
Estimated diversion 320 A. F. A-719 65
Per acre 3.64 A. F. D-347 23

Total 88

BIRD CAGE-QUINN CANAL
Diverted from Pumpkinseed Creek

May	June	July	Aug.	Sept.
0.0	0.2	0.5	0.0	0.0
.0	.2	.0	.3	.0
.0	.2	.0	.0	.0
.0	.1	.0	.0	.0
.0	.1	.0	.1	.0
.0	.5	.0	.0	.3
.0	.1	.0	.0	.0
.0	.1	.1	.0	.0
.0	.0	.0	.1	.0
.1	.0	.0	.0	.1
.5	.0	.0	.0	.0
.5	.0	.0	.0	.1
.5	.0	.0	.0	.0
.1	.0	.0	.0	.0
.1	.1	.0	.0	.0
.1	.1	.0	.0	.0
.1	.0	.0	.0	.0
.1	.1	.0	.0	.0
.1	.3	.0	.0	.0
.1	.0	.0	.0	.0
.1	.2	.0	.0	.0
.1	.2	.0	.1	.0
.1	.3	.1	.0	.0
.2	.3	.0	.0	.0
.2	.3	.0	.0	.0
.2	.3	.0	.0	.0
.4	.3	.1	.0	.0
.2	.2	.0	.2	.0
.2	...	.0	.0	...
0.1	0.1	0.3	0.3	0.1
.5	.5	.5	.3	.3
.0	.0	.0	.0	.0
8.4	8.7	1.8	2.0	.8

No acreage report filed.
Water diverted 22 A. F.

DEPARTMENT OF ROADS AND IRRIGATION

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

BIRDWOOD CANAL

Diverted from Birdwood Creek

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	30	15	9	17	31	55	38
2	30	12	9	27	38	56	42
3	34	10	7	27	36	56	43
4	23	6	7	0	30	56	36
5	12	4	14	9	30	56	33
6	10	4	25	20	2	56	32
7	9	4	29	0	4	44	35
8	12	0	30	0	4	34	36
9	28	0	28	0	12	32	38
10	19	0	33	0	31	30	43
11	18	0	33	10	36	40	36
12	18	0	35	20	41	43	36
13	17	0	31	24	42	48	36
14	12	0	21	23	39	44	36
15	12	0	29	17	47	31	36
16	12	0	34	20	43	34	36
17	12	0	41	24	55	36	36
18	10	0	30	25	36	32	36
19	10	0	25	23	40	33	35
20	10	0	28	24	32	30	36
21	10	0	15	0	4	35	39
22	14	0	11	0	4	33	39
23	14	0	9	0	17	35	42
24	15	0	10	0	38	42	44
25	17	0	10	0	48	43	42
26	17	0	21	0	49	46	0
27	17	0	12	27	51	35	0
28	17	0	12	31	51	23	15
29	17	0	23	31	42	34	33
30	17	0	20	30	47	37	42
31	17	....	13	....	52	34	....
Mean	16	2	21	14	33	40	34
Max.	34	15	41	31	55	56	44
Min.	9	0	7	0	2	23	0
A.F.	1011	109	1297	851	2047	2465	2045

Area reported 5512 acres. Acreage Reported
 Water diverted 9825 A. F. D-646 5512
 Per acre 1.78 A. F.

BLUE CREEK CANAL

Diverted from Blue Creek and Crescent Lake—A-1575

Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	31	28	0	20	0	0	0	0
2	18	15	0	18	0	0	0	0
3	18	15	0	17	0	0	0	0
4	20	15	0	18	0	0	0	0
5	28	15	0	18	0	0	0	0
6	34	10	0	19	5	11	18	0
7	44	0	0	19	12	23	33	0
8	44	0	0	20	37	23	40	0
9	53	0	0	33	39	22	39	0
10	39	0	0	37	39	22	38	0
11	32	0	0	42	39	16	39	0
12	34	0	0	43	37	0	41	0
13	37	0	0	29	39	14	41	0
14	38	0	0	0	40	25	40	0
15	34	0	0	0	40	34	42	0
16	33	0	0	35	37	31	9	0
17	20	0	0	39	34	11	0	0
18	28	0	0	35	34	0	0	0
19	39	0	0	31	33	0	0	0
20	41	0	0	37	33	0	0	0
21	41	0	0	37	13	0	0	0
22	40	0	0	37	0	0	0	5
23	35	0	0	27	0	0	0	18
24	36	0	0	36	0	0	0	21
25	37	0	0	37	0	0	0	28
26	25	0	0	35	0	0	0	29
27	39	0	0	36	0	0	0	30
28	38	0	0	38	0	0	0	30
29	41	0	14	14	0	0	0	35
30	32	0	22	0	0	0	0	5
31	33	....	....	0	....	0	0	....
Mean	34	3	1	26	17	7	12	7
Max.	53	28	22	43	40	34	42	35
Min.	18	0	0	0	0	0	0	0
A.F.	2106	194	71	1601	1014	460	754	399

Area reported 2918 acres. Acreage Reported
 Water diverted 6599 A. F. A-1154 30
 Per acre 2.26 A. F. D-795 339
 No diversions from Crescent Lake. D-785 2549

Total 2918

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

BOELUS POWER CANAL Diverted from Middle Loup River												
Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	580	600	610	235	0	300	545	565	465	400	510	505
2	560	610	630	245	0	290	555	540	460	385	470	485
3	555	600	620	280	0	0	585	475	480	435	390	470
4	570	675	610	275	0	0	595	455	515	480	405	495
5	580	675	595	250	0	0	560	505	505	455	395	515
6	590	670	590	260	240	0	530	540	490	420	395	560
7	590	670	590	280	245	0	580	565	0	390	480	540
8	575	675	585	270	245	0	575	535	0	380	440	525
9	615	675	585	250	240	270	545	460	0	340	415	515
10	605	635	620	245	240	0	485	445	600	380	415	520
11	585	600	620	250	245	0	600	455	615	460	460	555
12	595	605	625	245	255	0	595	510	530	385	495	580
13	580	605	605	245	250	0	565	485	515	360	465	570
14	570	570	625	245	250	0	505	490	530	355	485	540
15	610	590	625	245	250	0	440	555	525	415	505	535
16	610	595	620	240	255	0	440	485	520	480	445	550
17	610	610	610	240	245	320	470	475	495	435	415	550
18	610	605	620	240	245	445	510	540	515	395	410	550
19	570	620	635	240	240	500	0	540	480	345	415	530
20	570	635	0	235	250	480	0	540	475	355	530	545
21	565	625	0	0	250	545	535	520	465	340	425	550
22	575	610	0	0	250	555	575	515	450	310	440	555
23	565	605	0	0	250	540	595	530	460	305	380	560
24	565	600	0	0	250	560	585	515	515	290	375	550
25	575	600	0	0	255	565	570	505	525	290	395	540
26	570	615	0	0	265	570	590	525	490	275	405	540
27	575	615	235	0	255	575	580	535	445	300	435	560
28	600	595	240	0	265	575	520	495	425	340	550	580
29	595	585	255	0	285	555	570	470	415	350	555	580
30	610	575	245	0	.....	550	570	485	425	375	565	565
31	620	.....	240	0	.....	515	.....	475	.....	400	520	.....
Mean	585	618	414	162	208	281	513	507	444	375	451	540
Max.	620	675	635	280	285	575	600	565	615	480	565	580
Min.	555	570	0	0	0	0	0	445	0	275	375	470
A.F.	35990	36780	25460	9950	11940	17280	30550	31200	26440	23060	27740	32160
Water diverted	308500 A. F.											

BOOTH CANAL, NORTH Diverted from Lodgepole Creek					
Date	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	0	*	*
6	*	0	*	*	*
7	*	*	*	0	*
8	*	*	*	*	*
9	*	*	*	*	*
10	4	*	*	*	*
11	*	*	*	*	*
12	*	*	*	*	*
13	*	*	*	*	*
14	*	*	*	*	*
15	*	*	*	*	*
16	*	*	*	*	*
17	*	*	*	*	*
18	*	*	*	*	*
19	*	*	*	*	*
20	*	*	*	*	*
21	*	*	*	*	*
22	*	*	*	*	*
23	*	*	*	*	*
24	*	*	*	*	*
25	*	*	*	*	*
26	*	*	*	*	*
27	*	*	*	*	*
28	*	*	*	*	*
29	*	*	*	*	*
30	*	*	0	*	*
31	*	.....	*	*	.....
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A.F.	*	*	*	*	*

BOOTH CANAL, SOUTH Diverted from Lodgepole Creek					
Date	May	June	July	Aug.	Sept.
1	*	4	*	*	*
2	*	4	*	*	*
3	*	4	*	*	*
4	*	4	*	*	*
5	*	5	0	*	*
6	*	5	*	*	*
7	*	5	*	0	*
8	*	6	*	*	*
9	*	4	*	*	*
10	4	4	*	*	*
11	*	5	*	*	*
12	*	5	*	*	*
13	*	5	*	*	*
14	*	5	*	*	*
15	*	3	*	*	*
16	*	*	*	*	*
17	*	*	*	*	*
18	*	*	*	*	*
19	*	*	*	*	*
20	*	*	*	*	*
21	*	*	*	*	*
22	*	*	*	*	*
23	*	*	*	*	*
24	*	*	*	*	*
25	*	*	*	*	*
26	*	*	*	*	*
27	*	*	*	*	*
28	*	*	*	*	*
29	*	*	*	*	*
30	*	2	*	*	*
31	*	3	*	0	*
Mean	*	5	.....	*	.....
Max.	*	5	6	*	*
Min.	*	0	3	*	*
A.F.	*	20	135	*	*

*No record.

Water diverted—incomplete record—155 A. F. Acreage Reported
*No record. D-309-310 300

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

BROWNS CREEK CANAL

Diverted from North Platte River and
Pathfinder Reservoir

Date	Oct.	May	June	July	Aug.	Sept.
1	45	0	45	0	45	0
2	44	0	44	0	37	0
3	53	0	23	0	30	0
4	50	0	0	0	32	0
5	50	0	0	0	42	0
6	50	0	0	0	42	0
7	49	0	0	0	36	0
8	49	0	0	0	35	0
9	47	0	0	6	30	59
10	43	0	0	19	27	51
11	39	54	0	22	31	51
12	38	42	7	31	37	53
13	38	33	5	33	39	54
14	37	12	4	34	34	54
15	42	15	3	31	34	53
16	39	29	49	44	41	45
17	36	29	35	37	36	49
18	32	31	29	0	39	45
19	30	35	22	0	14	41
20	27	33	20	0	4	22
21	20	34	7	30	4	33
22	20	32	3	61	3	55
23	22	33	2	56	3	37
24	27	30	1	49	2	40
25	30	32	0	51	2	43
26	51	31	0	48	2	44
27	32	31	0	48	0	41
28	29	32	0	50	0	41
29	26	33	0	52	0	41
30	21	52	0	51	0	40
31	10	57	....	46	0	....
Mean	36	23	33	26	23	33
Max.	53	57	49	61	45	59
Min.	10	0	0	0	0	0
A.F.	2194	1408	593	1585	1351	1968

33 Area reported 6127 acres.
55 Water diverted 9099 A. F.
37 including storage.
40 Per acre 1.48 A. F.
43 Storage diversions 2425 A. F.

Acreeage Reported
D-857-1033 6127

CASTLE ROCK CANAL

Diverted from North Platte River

Date	Oct.	May	June	July	Aug.	Sept.
1	57	0	74	0	0	79
2	47	0	78	0	79	81
3	39	0	89	0	82	85
4	37	0	58	0	86	91
5	37	0	36	18	87	94
6	37	0	8	60	81	95
7	37	0	0	78	74	89
8	37	0	19	88	72	88
9	42	0	19	83	77	89
10	46	0	20	71	76	82
11	30	0	21	78	76	75
12	14	0	25	84	82	76
13	14	38	30	78	76	72
14	13	42	45	83	63	67
15	13	42	54	93	56	67
16	12	44	55	74	56	66
17	13	53	55	79	56	66
18	13	60	64	80	61	63
19	12	55	79	80	64	61
20	12	53	88	78	56	56
21	16	68	86	29	56	47
22	17	82	84	0	59	46
23	18	78	76	0	60	25
24	18	77	72	0	58	38
25	17	75	68	0	76	42
26	17	81	59	0	79	42
27	14	78	0	0	74	28
28	0	76	0	0	91	22
29	0	81	0	0	73	23
30	0	86	0	0	71	23
31	0	78	....	0	85	....
Mean	22	40	45	40	69	62
Max.	57	86	89	93	91	95
Min.	0	0	0	0	0	22
A.F.	1347	2473	2702	2448	4253	3725

CASTLE ROCK CANAL SPILL

To North Platte River—
Sec. 34-21-53 W.

May	June	July	Aug.	Sept.
0	0	0	0	4
0	0	0	0	0
0	0	0	0	0
0	27	0	0	0
0	22	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	2	0	0	0
0	1	0	0	0
0	1	0	0	2
26	2	0	0	4
14	3	1	0	10
5	1	0	0	13
7	1	1	0	16
2	1	6	0	6
0	0	6	0	8
0	0	4	0	6
0	3	0	0	7
3	1	0	0	5
0	0	0	0	22
0	0	0	0	13
0	0	0	0	22
0	0	0	0	18
0	0	0	0	16
0	0	0	0	6
0	0	0	0	6
0	0	0	0	6
2	....	....	....	....
2	2	1	0	6
26	27	6	0	22
0	0	0	0	0
117	129	38	0	377

Water diverted 16948 A. F. Total acre-feet 661.
(See next page for summary in acre-feet of Castle Rock Canal.)

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

CASTLE ROCK CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River.....	1347	2473	2702	2448	4253	3725	16948
Return through spillway.....	0	117	129	38	0	377	661
Net diverted	1347	2356	2573	2410	4253	3348	16287

Area reported 5951 acres.

Net diverted 16287 A. F.

Per acre 2.74 A. F.

Acreage Reported

D-921 5951

CENTRAL CANAL

Diverted from North Platte River and
Pathfinder Reservoir

Date	Oct.	May	June	July	Aug.	Sept.
1	23	0	26	19	0	19
2	21	0	24	19	0	19
3	22	0	26	20	0	19
4	21	0	26	14	0	21
5	23	0	17	4	0	22
6	22	0	2	25	0	21
7	19	0	14	30	0	18
8	17	0	13	30	0	20
9	6	0	12	28	0	19
10	0	0	10	27	0	19
11	0	0	13	29	0	23
12	0	13	11	27	0	22
13	0	15	11	29	9	22
14	0	19	13	31	15	19
15	0	20	11	31	22	21
16	0	25	12	28	23	21
17	0	26	10	22	21	18
18	0	27	11	4	23	19
19	0	18	13	0	22	23
20	0	18	17	0	23	26
21	0	15	8	0	22	23
22	0	15	0	0	25	24
23	0	18	0	0	23	23
24	0	16	4	0	24	22
25	0	18	19	0	23	6
26	0	16	20	0	23	0
27	0	21	19	0	22	0
28	0	23	17	0	22	0
29	0	21	19	0	22	0
30	0	26	20	0	20	0
31	0	24	....	0	19	....
Mean	6	16	14	13	13	17
Max.	23	27	26	31	24	26
Min.	0	0	0	0	0	0
A.F.	345	781	829	827	799	1010

Water diverted 4591 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

CENTRAL CANAL SPILL
To North Platte River—
Sec. 4-21-54 W.

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	4	0	0	0
10	0	0	0	0	0
11	0	5	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	5	0	0	0	0
15	0	0	0	0	0
16	0	2	0	0	0
17	0	0	0	0	0
18	1	0	0	0	0
19	1	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	...	0	0	...
Mean	0.2	0.4	0	0	0
Max.	5	5	0	0	0
Min.	0	0	0	0	0
A.F.	14	22	0	0	0
Total acre-feet	36.				

CENTRAL CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River.....	345	781	829	827	799	1010	4591
Return through spillway.....	0	14	22	0	0	0	36
Net diverted	345	767	807	827	799	1010	4555

Area reported 2094 acres.
Net diverted 4555 A. F. including storage
Per acre 2.18 A. F.
Storage diverted 385 A. F.

Acreage Reported
D-926 2094

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

Date	CHAMPION CANAL Diverted from Frenchman River											
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	16	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*	*	*
7	*	20	*	*	*	*	*	*	17	*	*	*
8	*	*	*	*	*	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*	*	*	*	*	*
10	8	*	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	10	*	*	0	*
12	*	*	*	*	*	16	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*	*
15	12	*	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	0	*
18	*	*	*	*	*	*	*	*	*	*	*	*
19	*	*	22	*	0	*	*	*	0	*	0	*
20	*	*	*	*	*	*	*	*	*	*	*	*
21	*	19	*	*	*	*	*	*	*	*	16	*
22	*	*	*	15	*	*	*	16	*	*	*	*
23	*	*	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*	*	0	0	*	*
27	17	*	*	*	*	*	*	*	*	*	*	*
28	*	18	*	*	*	*	*	*	*	*	*	*
29	*	*	*	*	*	*	*	0	0	*	*	*
30	11	*	*	*	....	*	*	14	*	*	11	0
31	....	....	....	....	....	....	....	....	....	....	....	....
Mean	*	*	*	*	....	*	*	....	....	*	*	....
Max.	*	*	*	*	*	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*	*	*	*	*	*
A.F.	*	*	*	*	*	*	*	*	*	*	*	*

Water diverted—Incomplete record.
*No record.

Acreage Reported
D-17
A-1108 Storage
A-1160 Supplemental Kilpatrick Reservoir.

Date	CHIMNEY ROCK CANAL Diverted from North Platte River and Pathfinder Reservoir						
	Oct.	May	June	July	Aug.	Sept.	
1	37	0	40	35	32	27	
2	37	0	42	33	27	27	
3	28	0	54	33	15	27	
4	28	0	23	33	0	38	
5	30	0	18	33	0	36	
6	30	0	15	10	0	36	
7	29	0	3	0	20	29	
8	21	10	5	21	0	10	
9	16	20	0	73	20	36	
10	16	26	0	66	0	36	
11	17	13	0	68	27	36	
12	19	11	10	64	23	42	
13	18	27	18	52	0	48	
14	18	27	15	79	36	0	
15	16	54	25	79	0	27	
16	14	87	28	75	23	20	
17	14	64	40	61	0	36	
18	14	41	26	0	32	0	
19	10	30	30	0	38	36	
20	10	33	24	0	27	78	
21	9	41	3	0	32	66	
22	9	39	5	0	27	90	
23	9	30	50	0	32	41	
24	8	30	51	0	36	25	
25	7	56	42	0	32	27	
26	0	27	25	0	27	30	
27	0	27	30	0	27	28	
28	0	33	25	0	32	27	
29	0	40	27	0	27	32	
30	0	62	36	0	32	36	
31	0	61	....	33	27	....
Mean	15	29	23	28	21	34	
Max.	37	87	54	79	38	90	
Min.	0	0	0	0	0	0	
A.F.	926	1811	1408	1688	1291	2045	

Water diverted 9169 A. F.

Date	CHIMNEY ROCK CANAL SPILL NO. 1 To North Platte River— Sec. 14-20-52 W.				
	May	June	July	Aug.	Sept.
1	0	2	1	1	0
2	0	1	0	1	0
3	0	1	0	0	0
4	0	1	0	0	0
5	0	1	0	0	0
6	0	3	0	0	0
7	0	1	0	0	0
8	0	1	0	0	0
9	0	0	0	0	0
10	8	0	1	0	0
11	5	0	1	0	1
12	5	0	0	0	1
13	3	2	0	0	1
14	3	1	0	0	0
15	2	1	1	0	0
16	4	2	0	0	0
17	7	4	0	0	0
18	3	3	0	0	0
19	3	3	0	0	0
20	1	3	0	0	10
21	1	0	0	0	7
22	1	0	0	0	6
23	0	1	0	0	0
24	0	1	0	1	0
25	0	0	0	0	3
26	0	0	0	0	4
27	0	0	0	0	2
28	0	0	0	0	4
29	0	0	0	0	4
30	0	0	0	0	5
31	0	....	0	0	....
Mean	1	1	0	0	2
Max.	8	4	1	6	10
Min.	0	0	0	0	0
A.F.	93	64	8	18	100

Total acre-feet 283.

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

CHIMNEY ROCK CANAL SPILL

NO. 2
To North Platte River—
Sec. 18-20-51 W.

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	2	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	6	0	0	0	0
10	6	1	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	3	0	0	0	0
19	3	0	0	0	0
20	3	0	0	0	0
21	3	0	0	0	0
22	3	0	0	0	0
23	3	0	0	0	0
24	3	1	0	0	0
25	3	0	0	0	0
26	3	0	0	0	0
27	2	0	0	0	0
28	2	0	0	0	0
29	2	0	0	0	2
30	2	0	0	0	0
31	2	.....	0	0	.....
Mean	2	0	0	0	0
Max.	6	1	2	0	2
Min.	0	0	0	0	0
A.F.	97	4	4	0	4

Total acre-feet 109.

CHIMNEY ROCK CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River.....	926	1811	1408	1688	1291	2045	9169
Returned through:—							
Spillway No. 1.....	0	93	64	8	18	100	283
Spillway No. 2.....	0	97	4	4	0	4	109
Total return.....	0	190	68	12	18	104	392
Net diverted.....	926	1621	1340	1676	1273	1941	8777

Area reported 5732 acres.

Net diverted 8777 A. F. including storage.

Per acre 1.35 A. F.

Storage diverted 934 A. F.

Acreage Reported
D-844-1031 5685
A-2190 47

Total 5732

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

CIRCLE ARROW CANAL							CLEAR CREEK CANAL					
Date	Diverted from Lodgepole Creek						Diverted from Clear Creek					
	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.
1	2	*	3	2	2	4	*	0	2	3	0	0
2	2	*	3	3	2	4	*	0	2	3	2	0
3	2	*	3	2	2	4	3	0	2	3	2	0
4	2	*	3	2	2	4	*	0	2	3	3	0
5	2	*	0	2	2	3	*	0	3	2	3	0
6	2	*	0	2	2	3	*	0	2	3	3	0
7	2	*	0	2	2	3	*	0	2	3	3	0
8	2	*	3	2	2	3	*	0	0	3	3	0
9	*	*	3	2	2	3	*	2	0	3	3	0
10	*	*	3	2	2	3	*	3	0	3	3	0
11	*	*	3	2	2	3	*	3	0	3	3	0
12	*	2	3	2	2	3	*	3	0	3	3	0
13	*	3	3	2	2	3	*	3	0	2	3	0
14	*	3	3	2	2	3	*	3	0	2	3	0
15	*	3	3	2	2	3	*	3	3	0	3	0
16	*	3	3	2	2	3	*	2	3	1	0	0
17	*	3	3	2	3	3	*	2	3	0	0	0
18	*	3	3	2	3	3	*	3	3	1	0	0
19	*	3	3	2	3	3	*	2	1	3	0	0
20	*	3	3	2	3	3	*	1	1	3	0	0
21	*	3	3	3	3	4	*	2	0	3	0	0
22	*	3	3	3	3	4	*	2	0	3	0	0
23	*	3	4	3	3	4	*	2	0	3	0	0
24	*	3	4	2	4	4	*	2	1	3	0	0
25	*	3	3	2	3	4	*	2	0	3	0	0
26	3	3	3	3	2	4	*	2	0	3	0	0
27	*	3	3	3	2	4	*	2	2	3	0	0
28	*	3	3	3	3	2	*	2	2	3	0	0
29	*	3	2	3	4	2	*	2	2	3	0	0
30	*	3	2	3	4	3	*	2	3	0	0	0
31	*	3	2	3	4	3	*	2	3	0	0	0
Mean	*	3	....	2	4	....	*	3	....	0	0	....
Max.	*	*	3	2	3	3	*	1	1	2	1	0
Min.	*	*	4	3	4	4	*	3	3	3	3	0
A.F.	38	117	161	141	157	192	*	85	81	135	75	0
Area reported 260 acres.						Acreage	Area reported 200 acres.					
Water diverted—	incomplete					Reported	Water diverted—					
record—806 A. F.						D-346	record—376 A. F.					
Per acre 3.10 A. F.							Per acre 1.88 A. F.					
*No record.							*No record.					

CODY-DILLON CANAL						
Date	Diverted from North Platte River					
	Oct.	May	June	July	Aug.	Sept.
1	6	0	0	8	45	32
2	9	0	0	26	37	30
3	12	0	0	38	37	27
4	13	0	0	14	30	30
5	12	0	0	0	45	30
6	12	0	0	0	39	21
7	13	0	0	0	34	19
8	14	0	0	0	56	14
9	13	0	0	21	45	21
10	12	17	0	48	41	18
11	13	21	0	34	41	17
12	13	23	0	21	41	19
13	13	26	14	28	39	19
14	13	29	20	17	36	17
15	14	33	19	28	28	20
16	14	31	15	36	24	16
17	7	35	12	36	24	12
18	0	42	10	22	29	14
19	0	42	9	28	36	17
20	0	38	6	36	38	17
21	0	30	0	0	43	15
22	0	24	0	0	43	22
23	0	14	0	5	40	14
24	0	13	0	27	38	14
25	0	14	0	26	43	14
26	0	13	12	30	48	14
27	0	12	19	41	47	14
28	0	6	10	43	37	17
29	0	0	9	53	32	17
30	0	0	6	65	33	17
31	0	0	....	59	32	....
Mean	6	15	5	25	38	19
Max.	14	42	20	65	56	32
Min.	0	0	0	0	24	12
A.F.	403	918	319	1567	2342	1127
Area reported 4743 acres.						Acreage
Water diverted 6676 A. F.						Reported
Per acre 1.41 A. F.						D-649

DEPARTMENT OF ROADS AND IRRIGATION

765

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

COLUMBUS POWER DIVERSION—A-2287
Weir Measurements—Sec. 28-17-4 W.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	876	1300	1100	660	918	1180	676	2010	1150	812	868	900
2	1040	1310	1140	644	828	1120	1100	1820	1150	844	945	852
3	1120	1310	1120	641	836	1100	1380	1650	1410	796	1120	748
4	1050	1310	1100	668	852	1120	1240	1520	1630	876	820	756
5	1060	1048	1120	772	868	1110	1100	1520	1360	876	900	788
6	1080	1300	1160	868	876	1040	972	1480	1490	876	1040	812
7	1140	1420	1100	900	860	1110	868	1410	1380	836	820	868
8	1170	1410	1100	700	836	1070	1010	1510	1670	756	772	918
9	788	1400	1170	692	836	990	1310	1710	1580	772	804	852
10	1040	1300	1140	676	844	1090	1480	1570	1690	836	788	884
11	900	1270	1130	804	836	692	1340	1490	2080	724	772	836
12	556	1060	1130	884	836	314	1190	1440	1610	684	764	852
13	500	1350	972	918	844	308	1130	1110	1570	812	836	876
14	828	1400	990	900	836	321	1120	1560	1770	740	1210	972
15	748	1410	641	981	828	636	1150	1630	1640	668	1120	984
16	588	1160	1210	936	900	812	1280	1610	1570	708	1090	876
17	900	1510	1230	892	927	788	1680	1610	1380	772	884	892
18	1210	1610	1080	692	892	900	1690	1540	1260	676	852	918
19	1210	1460	1030	692	836	1270	1130	1570	1160	596	756	900
20	1200	1690	954	820	804	1270	1150	1550	1150	652	724	884
21	1200	1430	508	868	836	1160	1550	1560	1090	628	868	909
22	1250	1710	107	876	852	1150	1570	1500	1070	548	876	918
23	1280	1410	44	812	900	1190	1420	1410	1060	479	812	918
24	1300	1640	370	764	927	828	1410	1350	1040	430	724	1100
25	1280	1480	451	812	954	1010	1570	1370	1080	416	644	1030
26	1360	1370	516	868	981	1280	1890	1380	1120	423	596	1150
27	1420	1150	564	876	1010	1130	2060	1320	1120	486	636	1070
28	1470	1170	516	868	1050	900	1930	1300	1030	532	692	1090
29	1010	1290	588	876	1110	652	1910	1290	972	612	740	1110
30	1070	1160	524	892	.....	628	2040	1240	900	620	884	1070
31	1220	.....	572	927	.....	636	.....	1210	.....	740	884	.....
Mean	1060	1371	551	812	887	929	1378	1501	1339	685	846	924
Max.	1470	1710	1230	981	1110	1280	2060	2010	2080	876	1210	1110
Min.	500	1040	44	644	804	308	676	1210	900	416	596	748
A.F.	65186	81581	52325	49948	51002	57135	82010	92312	79701	42102	52049	55002

Total acre-feet 760353.
Discharge computed over skimming weir.

COURT HOUSE ROCK CANAL
Diverted from Pumpkinseed Creek

Date	Oct.	Nov.	Dec.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	20	20	*	2	2	0	14	0	9	0
2	15	20	20	*	2	2	0	12	0	6	0
3	16	22	19	*	2	2	0	16	0	0	0
4	17	20	19	*	2	2	0	10	0	23	0
5	22	20	19	*	2	2	0	0	0	0	0
6	29	22	18	*	2	2	0	27	0	0	0
7	21	22	18	*	2	2	0	25	0	0	0
8	19	20	20	*	2	2	0	29	0	0	0
9	28	20	19	*	2	2	0	26	12	0	0
10	26	20	17	*	2	2	0	26	12	0	0
11	24	18	15	*	2	2	20	25	12	0	8
12	20	19	15	*	2	2	18	23	11	0	13
13	20	19	15	*	2	0	17	23	10	0	11
14	22	20	12	2	2	0	19	19	10	0	11
15	22	20	12	2	2	0	16	18	11	0	11
16	22	20	10	2	2	0	12	17	12	0	12
17	20	19	10	2	2	0	12	17	11	0	11
18	20	19	10	2	2	0	12	16	3	0	11
19	20	19	10	2	2	0	12	16	0	0	11
20	22	19	10	2	2	0	9	13	0	0	14
21	22	20	10	2	2	0	14	4	0	0	9
22	26	20	10	2	2	0	16	0	0	0	17
23	15	20	5	2	2	0	16	0	0	0	16
24	7	20	5	2	2	0	16	0	0	0	16
25	13	20	3	2	2	0	14	0	0	0	16
26	24	20	0	2	2	0	13	0	9	0	16
27	23	20	0	2	2	0	12	0	9	0	17
28	21	20	0	2	2	0	13	0	9	0	16
29	16	20	0	2	2	0	16	0	9	0	16
30	20	20	0	.....	2	0	24	0	10	0	18
31	20	.....	0	.....	2	.....	20	.....	10	0	.....
Mean	10	20	11	*	2	1	10	12	5	1	9
Max.	29	22	20	*	2	2	24	29	12	23	18
Min.	7	18	0	*	2	0	0	0	0	0	0
A.F.	1230	1188	670	63	123	48	637	746	317	75	536

Area reported 1472 acres.
Water diverted—incomplete record—5633 A. F.
Per acre 3.83 A. F.
*No record.
Total 1472

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

Date	COZAD CANAL									
	Diverted from		Platte	River	and	Sutherland	Reservoir			
	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.	
1	65	200	120	0	67	0	0	0	0	0
2	89	156	58	20	59	0	0	0	0	0
3	103	139	110	18	62	0	0	0	0	0
4	121	189	48	23	75	0	0	0	0	0
5	119	188	67	18	97	0	0	0	0	0
6	122	181	99	18	83	0	0	0	0	0
7	123	169	113	18	107	0	0	0	0	0
8	125	163	134	17	97	0	0	0	0	0
9	133	186	132	19	81	0	0	0	0	0
10	145	220	126	21	85	0	0	0	0	0
11	118	240	124	22	128	0	12	0	0	0
12	0	243	106	22	150	0	60	0	0	0
13	0	251	129	21	118	0	99	0	0	0
14	0	244	138	19	100	0	95	0	0	0
15	0	240	155	36	40	0	96	0	0	0
16	51	252	103	52	0	0	98	0	0	0
17	122	249	98	45	0	0	98	0	0	0
18	138	244	91	53	0	0	93	0	0	0
19	145	235	82	48	0	0	94	0	0	0
20	148	222	108	51	0	0	94	0	0	0
21	183	205	45	49	0	0	94	0	0	0
22	224	185	0	37	0	0	97	0	0	0
23	216	185	0	36	0	0	95	0	0	0
24	219	175	0	43	0	0	97	0	0	0
25	231	165	0	47	0	0	91	0	0	0
26	237	145	0	43	0	0	56	0	0	0
27	228	135	0	42	0	0	0	0	0	0
28	179	126	0	38	0	0	0	0	0	0
29	136	141	0	38	0	0	0	0	0	0
30	94	153	0	52	0	0	0	0	0	0
31	164	.....	0	.....	0	.....	0	0	0	.....
Mean	128	195	71	32	44	0	44	0	0	0
Max.	237	252	155	53	150	0	99	0	0	0
Min.	0	126	0	0	0	0	0	0	0	0
A.F.	7896	11621	4336	1916	2676	0	2721	0	0	0
Water diverted	31167 A. F.									

Date	COZAD CANAL SPILL					
	To Dawson County Canal—Sec. 6-10-22 W.					
	Apr.	May	June	July	Aug.	Sept.
1	*	18	0	0	0	0
2	*	11	0	0	0	0
3	*	0	0	0	0	0
4	*	5	0	0	0	0
5	*	4	0	0	0	0
6	*	11	0	0	0	0
7	*	5	0	0	0	0
8	*	10	0	0	0	0
9	*	9	0	0	0	0
10	*	5	0	0	0	0
11	*	5	0	0	0	0
12	*	22	0	0	0	0
13	*	27	0	0	0	0
14	*	14	0	0	0	0
15	*	22	0	0	0	0
16	*	0	0	0	0	0
17	*	0	0	0	0	0
18	*	0	0	0	0	0
19	1	0	0	0	0	0
20	*	0	0	0	0	0
21	*	0	0	0	0	0
22	*	0	0	0	0	0
23	*	0	0	0	0	0
24	*	0	0	0	0	0
25	*	0	0	0	0	0
26	*	0	0	0	0	0
27	*	0	0	0	0	0
28	*	0	0	0	0	0
29	*	0	0	0	0	0
30	*	0	0	0	0	0
31	.....	0	.....	0	0	.....
Mean	*	5	0	0	0	0
Max.	*	27	0	0	0	0
Min.	*	0	0	0	0	0
A.F.	*	333	0	0	0	0
Total acre-feet	333.					
*No record.						

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

COZAD CANAL
SUMMARY IN ACRE-FEET

Month	Diverted from Platte River	Spill to Dawson County Canal	Net Diverted
October	7896	*	7896
November	11621	*	11621
December	4336	*	4336
April	1916	*	1916
May	2676	333	2343
June	0	0	0
July	2721	0	2721
August	0	0	0
September	0	0	0
Total	31167	333	30834

Acreage reported 25070 acres.

Net diverted 30834 A. F. including storage.

Per acre 1.23 A. F.

Storage diverted 2721 A. F.

*No record.

Acreage Reported

D-626 25070

CULBERTSON CANAL

Date	Diverted from Frenchman River and Stinking Water Creek									
	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.	
1	78	72	46	0	56	85	92	97	92	
2	75	72	0	0	41	83	93	108	87	
3	74	73	0	0	66	85	95	108	82	
4	72	70	0	0	72	86	92	101	89	
5	70	70	0	0	73	88	89	102	95	
6	75	70	0	0	85	87	87	104	86	
7	74	70	0	0	86	0	91	106	91	
8	74	70	0	0	82	0	94	104	92	
9	74	70	0	0	86	0	95	100	87	
10	73	72	0	0	86	0	96	101	86	
11	73	71	0	0	87	0	97	108	82	
12	75	72	0	0	87	0	95	108	86	
13	73	70	0	0	89	0	90	106	82	
14	69	71	0	0	90	6	103	102	84	
15	72	71	0	0	86	31	100	96	84	
16	74	75	0	0	87	60	95	97	77	
17	75	76	0	0	91	94	95	95	74	
18	82	77	0	0	69	93	95	92	80	
19	85	77	0	0	70	91	90	31	78	
20	82	77	0	0	69	91	99	37	78	
21	80	84	0	0	63	95	100	49	83	
22	79	86	0	0	52	95	100	53	82	
23	70	90	0	0	48	95	91	82	77	
24	75	87	0	0	51	93	91	68	84	
25	80	84	0	0	45	91	93	71	84	
26	82	78	0	0	73	93	107	81	91	
27	81	77	0	0	82	94	108	85	72	
28	82	80	0	52	83	93	107	95	69	
29	77	86	0	59	69	95	105	95	71	
30	70	84	0	59	73	95	109	95	73	
31	71	....	0	....	77	....	107	90	....
Mean	76	76	1	6	73	64	97	89	83	
Max.	85	90	46	59	91	95	109	108	95	
Min.	69	70	0	0	41	0	87	31	71	
A.F.	4653	4526	91	337	4510	3806	5952	5488	4915	

Area reported 9325 acres.

Water diverted 34278 A. F.

Per acre 3.63 A. F.

Acreage Reported

D-24-25-29-30 9325

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

Date	DAWSON COUNTY CANAL							Reservoir		Sept.
	Diverted from Platte River and Sutherland							July	Aug.	
	Oct.	Nov.	Dec.	Mar.	Apr.	May	June			
1	113	452	136	0	28	205	0	45	356	26
2	95	469	0	0	8	212	0	78	318	18
3	115	463	0	0	55	210	0	169	343	15
4	131	442	0	0	108	208	0	182	295	19
5	131	263	0	0	135	261	0	160	304	21
6	122	340	0	0	135	255	0	134	324	30
7	121	408	0	0	122	228	463	146	332	44
8	119	423	0	0	111	268	0	237	255	42
9	120	444	0	0	119	234	0	313	220	39
10	265	410	0	0	123	230	105	315	309	55
11	220	436	0	0	136	230	137	309	192	57
12	55	436	0	0	141	174	193	273	138	69
13	55	415	0	0	138	87	184	252	102	60
14	57	362	0	0	152	32	177	172	82	50
15	60	372	0	0	161	65	125	150	44	50
16	294	364	0	0	164	93	122	112	30	55
17	270	362	0	0	184	3	137	69	28	66
18	300	358	0	0	223	0	92	91	16	74
19	315	364	0	0	236	57	63	98	12	52
20	340	360	0	0	222	177	0	117	6	53
21	369	360	0	24	255	208	0	78	3	58
22	382	356	0	17	257	193	0	98	3	65
23	375	354	0	58	185	190	0	152	1	77
24	380	351	0	115	193	185	0	273	1	135
25	384	349	0	111	201	163	0	273	1	138
26	383	356	0	136	187	163	40	328	1	101
27	390	321	0	149	212	143	111	378	12	98
28	381	246	0	158	255	0	107	337	46	98
29	328	193	0	161	205	0	82	382	38	115
30	358	182	0	69	172	0	55	410	38	135
31	260	.....	0	52	.....	0	.....	404	30	.....
Mean	235	367	4	34	161	144	73	218	125	64
Max.	390	469	136	158	257	268	463	410	356	138
Min.	55	182	0	0	8	0	0	45	1	15
A.F.	14456	21846	270	2083	9566	8874	4350	12962	7696	3798
Water diverted 85901 A. F.										

Date	DAWSON COUNTY CANAL						
	Diverted from Cozad Canal Tail Spill— Sec. 6-10-22 W.						
	Apr.	May	June	July	Aug.	Sept.	
1	*	18	0	0	0	0	14
2	*	11	0	0	0	0	0
3	*	0	0	0	0	0	0
4	*	5	0	0	0	0	0
5	*	4	0	0	0	0	0
6	*	11	0	0	0	0	0
7	*	5	0	0	0	0	0
8	*	10	0	0	0	0	0
9	*	9	0	0	0	0	0
10	*	5	0	0	0	0	0
11	*	5	0	0	0	0	0
12	*	22	0	0	0	0	0
13	*	27	0	0	0	0	0
14	*	14	0	0	0	0	0
15	*	22	0	0	0	0	0
16	*	0	0	0	0	0	0
17	*	0	0	0	0	0	0
18	*	0	0	0	0	0	0
19	11	.....	0	0	0	0	0
20	*	0	0	0	0	0	0
21	*	0	0	0	0	0	0
22	*	0	0	0	0	0	0
23	*	0	0	0	0	0	0
24	*	0	0	0	0	0	0
25	*	0	0	0	0	0	0
26	*	0	0	0	0	0	0
27	*	0	0	0	0	0	0
28	*	0	0	0	0	0	0
29	*	0	0	0	0	0	0
30	*	0	0	0	0	0	0
31	.....	0	.....	0	0	.....	0
Mean	*	5	0	0	0	0	4
Max.	*	27	0	0	0	0	19
Min.	*	0	0	0	0	0	0
A.F.	*	333	0	0	0	0	252
Water diverted 333 A. F.							

*No record.

	DAWSON COUNTY CANAL	
	SPILL NO. 1	To Dawson County Drain No. 1
	Sec. 3-9-22 W.	
	July	Aug.
1	0	14
2	0	12
3	0	11
4	0	16
5	0	15
6	0	9
7	0	7
8	0	7
9	0	5
10	0	2
11	0	1
12	0	1
13	0	0
14	0	0
15	0	1
16	0	2
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25	0	0
26	0	0
27	0	0
28	0	0
29	0	0
30	0	0
31	0	0
Mean	4	3
Max.	19	16
Min.	0	0
A.F.	252	204
Total acre-feet 456.		

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

DAWSON COUNTY CANAL
SPILL NO. 2
To Dawson County Drain No. 1
Sec. 36-10-22 W.

Date	July	Aug.
1	0	28
2	0	27
3	0	32
4	0	34
5	0	33
6	0	30
7	0	28
8	0	31
9	0	33
10	0	15
11	0	1
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	11	0
25	26	0
26	27	0
27	29	0
28	29	0
29	27	0
30	24	0
31	23	0
Mean	6	9
Max.	29	34
Min.	0	0
A.F.	389	579
Total acre-feet	968.	

DAWSON COUNTY CANAL
SPILL NO. 5
To Strevler Creek
Sec. 3-9-21 W.

Date	July	Aug.
1	0	16
2	0	16
3	0	20
4	0	21
5	0	21
6	0	25
7	0	18
8	0	26
9	0	22
10	0	8
11	0	1
12	0	0
13	0	0
14	0	0
15	0	0
16	0	1
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25	0	0
26	1	0
27	9	0
28	30	0
29	21	0
30	15	0
31	17	0
Mean	3	6
Max.	30	26
Min.	0	0
A.F.	184	387
Total acre-feet	571.	

DAWSON COUNTY CANAL
SPILL
To Strevler Creek
Sec. 20-9-20 W.

Date	July	Aug.
1	0	21
2	0	17
3	0	20
4	0	24
5	0	22
6	0	17
7	0	17
8	0	19
9	0	18
10	0	15
11	0	7
12	0	2
13	0	5
14	0	10
15	0	3
16	0	2
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	13	0
25	9	0
26	11	0
27	16	0
28	15	0
29	23	0
30	23	0
31	18	0
Mean	4	7
Max.	23	24
Min.	0	0
A.F.	254	434
Total acre-feet	688.	

DAWSON COUNTY CANAL
SPILL
To French Creek—Sec. 1-10-22 W.

Date	May	June	July	Aug.	Sept.
28	0	0	0	1	0
23	0	0	0	0	0
7	0	1	1	1	0
2	0	1	0	0	0
12	0	1	1	1	0
44	0	1	0	0	0
18	0	1	1	1	0
29	0	1	0	0	0
32	0	5	0	0	0
10	0	1	1	1	0
28	0	1	0	0	0
1	0	1	1	1	0
1	1	6	1	1	0
1	1	0	1	0	0
1	1	0	0	0	0
0	9	0	0	0	0
0	0	0	0	0	0
0	0	1	0	0	0
0	0	1	0	0	0
10	0	1	0	0	0
1	0	1	0	0	0
2	0	1	0	0	0
2	0	1	0	0	2
1	0	4	0	0	0
1	0	0	0	0	0
1	0	0	1	0	0
0	1	1	0	0	0
0	1	1	0	0	0
0	.....	1	0	.....	.....
8	1	1	0	0	0
44	9	6	1	2	2
0	0	0	0	0	0
508	48	67	16	4	4
Total acre-feet	643.				

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

DAWSON COUNTY CANAL SPILL					
To Elm Creek—Sec. 13-9-19 W.					
Date	May	June	July	Aug.	Sept.
1	13	0	0	0	0
2	9	0	0	0	0
3	9	0	0	0	0
4	10	0	0	0	0
5	9	0	0	0	0
6	8	0	2	0	0
7	8	0	3	0	0
8	9	0	5	0	0
9	9	0	7	0	0
10	9	0	12	0	0
11	8	0	15	0	0
12	8	1	10	0	0
13	6	6	4	0	0
14	0	13	4	0	0
15	0	10	3	0	0
16	0	7	1	0	0
17	0	2	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	8	0	0	0	0
23	10	0	0	0	0
24	9	0	0	0	0
25	7	0	0	0	0
26	5	0	0	0	0
27	6	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	....	2	0	....
Mean	5	1	2	0	0
Max.	13	13	15	0	0
Min.	0	0	0	0	0
A.F.	317	77	135	0	0
Total acre-feet	529.				

DISCHARGE OF CANALS IN SECOND-PERIOD, 1940—Continued

DAWSON COUNTY CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Dec.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:—											
Platte River	14456	21846	270	2083	9566	8874	4350	12962	7696	3798	85901
Cozad Canal Tail Spill.....	*	*	*	*	*	333	*	*	*	*	333
Total Diverted	14456	21846	270	2083	9566	9207	4350	12962	7696	3798	86234
Spill into:—											
Dawson County Drain No. 1—Sec. 3-9-22 W.....	0	0	0	0	0	0	0	252	204	0	456
Dawson County Drain No. 1—Sec. 36-10-22 W.....	0	0	0	0	0	0	0	389	579	0	968
Strever Creek—Sec. 20-9-20 W.....	*	*	*	*	*	*	*	254	434	*	688
Strever Creek—Sec. 3-9-21 W.....	0	0	0	0	0	0	0	184	387	*	571
French Creek—Sec. 1-10-22 W.....	*	*	*	*	*	508	48	67	16	4	643
Elm Creek—Sec. 13-9-19 W.....	*	*	*	*	*	317	77	135	0	0	529
Total spill	*	*	*	*	*	825	125	1281	1620	4	3855
Net diverted	14456	21846	270	2083	9566	8382	4225	11681	6076	3794	82379

Area reported 96771 acres.

Net diverted—including storage—82379 A. F.

Per acre 0.85 A. F.

All water during July, August, and September delivered to Dawson County Headgate for Dawson County, Elm Creek, and Kearney water users by court order.

*No record.

Acreage Reported	
A-2262	570
A-2145	896
A-2110	18551
A-2093	213
A-2039	5361
D-624R	5314
D-622	65346
D-621R	520
Total	96771

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

Date	ELM CREEK CANAL									Sept.
	Diverted from			Platte River and			Sutherland Reservoir			
	Oct.	Nov.	Dec.	Mar.	Apr.	May	June	July	Aug.	
1	0	0	0	0	40	54	0	0	46	0
2	0	0	0	0	49	49	0	0	47	0
3	0	0	0	0	55	46	0	0	44	0
4	0	0	20	0	51	43	0	0	53	0
5	0	0	35	0	50	42	0	0	59	0
6	0	10	35	0	66	41	0	0	59	0
7	0	19	41	0	61	45	0	0	53	0
8	0	17	62	0	58	39	25	0	47	0
9	0	16	68	0	77	49	48	0	54	0
10	0	8	67	0	82	49	51	0	52	0
11	0	0	71	0	66	45	29	0	27	0
12	0	0	62	0	62	42	25	26	14	0
13	0	0	22	0	78	38	26	26	13	0
14	0	8	27	0	72	0	29	0	15	0
15	0	23	19	0	67	0	24	0	11	0
16	0	23	25	0	66	0	22	0	10	0
17	0	24	14	0	75	0	14	0	8	0
18	0	28	23	0	73	0	0	0	0	0
19	0	30	30	0	77	0	0	0	0	0
20	0	16	39	30	83	0	0	0	0	0
21	0	48	30	47	81	0	0	0	0	0
22	0	36	25	47	83	0	0	0	0	0
23	0	39	20	51	84	0	0	0	0	0
24	0	40	0	55	79	0	0	0	0	0
25	0	45	0	52	74	0	0	5	0	0
26	0	44	0	49	71	0	0	23	0	0
27	0	52	0	52	74	0	0	27	0	8
28	0	47	0	59	73	0	0	36	0	4
29	0	42	0	55	67	0	0	49	0	0
30	0	33	0	48	65	0	0	56	0	12
31	0	0	0	41	....	0	....	49	0	....
Mean	0	22	24	19	69	19	10	10	20	1
Max.	0	52	71	59	84	54	51	56	59	12
Min.	0	0	0	0	40	0	0	0	0	0
A. F.	0	1285	1458	1162	4084	1154	581	589	1214	48

Water diverted 11575 A. F.

ELM CREEK CANAL SPILL
To Elm Creek—Sec. 20-9-18 W.

Date	July	Aug.
1	0	15
2	0	17
3	0	20
4	0	21
5	0	26
6	0	26
7	0	25
8	0	20
9	0	20
10	0	10
11	0	1
12	0	5
13	0	8
14	0	12
15	0	8
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25	0	0
26	3	0
27	12	0
28	13	0
29	14	0
30	17	0
31	15	0
Mean	2	7
Max.	17	26
Min.	0	0
A. F.	147	464

Total acre-feet 611.

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

ELM CREEK CANAL
SUMMARY IN ACRE-FEET

Month	Diverted from Platte River	Spill to Elm Creek Sec. 20-9-18 W.	Net Diverted
October	0	*	0
November	1285	*	1285
December	1458	*	1458
March	1162	*	1162
April	4084	*	4084
May	1154	*	1154
June	581	*	581
July	589	147	↑442
August	1214	464	↑750
September	48	0	↑ 48
Total	11575	611	10964

Area reported (1936) 5950 acres. Acreage Reported
 Net diverted 10964 A. F. including storage. A-2104 No report filed.
 Per acre 1.84 A. F.

*No record.

†Received via Dawson County Canal under court order.

EMPIRE CANAL

Diverted from North Platte River

Date	Oct.	May	June	July	Aug.	Sept.
1	8	0	4	0	0	0
2	8	0	3	0	0	0
3	8	0	7	0	0	0
4	7	0	13	0	0	0
5	7	0	2	0	0	0
6	0	0	2	0	0	0
7	0	0	3	0	0	0
8	0	0	2	0	0	0
9	0	0	4	7	0	0
10	0	1	4	22	0	0
11	0	10	5	16	0	10
12	0	8	5	14	0	10
13	0	8	6	10	0	10
14	0	9	6	5	0	10
15	0	8	9	7	0	10
16	0	8	18	22	0	11
17	0	8	18	24	0	11
18	0	8	15	0	0	10
19	0	8	15	0	0	10
20	0	7	8	0	0	8
21	0	6	0	0	0	4
22	0	5	0	0	0	6
23	0	4	0	0	0	14
24	0	2	0	0	0	12
25	0	1	0	0	0	6
26	0	0	2	0	0	7
27	0	0	1	0	0	6
28	0	0	0	0	0	7
29	0	1	0	0	0	6
30	0	5	0	0	0	6
31	0	5	.....	0	0	.....
Mean	1	4	5	4	0	6
Max.	8	10	18	24	0	14
Min.	0	0	0	0	0	0
A.F.	75	222	301	252	0	345

Area reported 1555 acres.
 Water diverted 1195 A. F.
 Per acre 0.77 A. F.

Acreage
 Reported
 D-853 1480
 A-866 75

 Total 1555

ENTERPRISE CANAL

Diverted from North Platte River

Date	Oct.	May	June	July	Aug.	Sept.
1	72	0	89	81	64	54
2	73	0	89	78	64	54
3	65	0	88	82	64	54
4	62	0	95	80	63	55
5	61	0	97	79	63	56
6	61	0	92	81	64	61
7	61	0	88	89	65	61
8	60	0	89	82	65	62
9	62	0	85	82	65	67
10	63	0	88	77	65	64
11	51	0	77	77	65	52
12	47	0	67	75	64	54
13	47	0	79	69	72	52
14	0	0	79	71	71	48
15	0	0	79	77	67	52
16	0	62	80	75	64	50
17	0	84	80	70	54	42
18	0	82	79	68	54	50
19	0	88	82	73	53	50
20	0	82	94	88	53	53
21	0	76	91	74	52	54
22	0	68	91	66	50	53
23	0	64	86	63	48	50
24	0	73	84	66	48	44
25	0	77	84	65	52	37
26	0	81	85	51	53	37
27	0	85	85	45	56	38
28	0	75	77	43	54	39
29	0	70	75	42	55	38
30	0	78	77	42	58	38
31	0	77	.....	51	55	.....
Mean	25	72	84	70	59	50
Max.	73	88	97	89	72	67
Min.	0	0	67	42	48	37
A.F.	1557	2424	5020	4288	3650	3013

Water diverted 19952 A. F.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

ENTERPRISE CANAL							ENTERPRISE CANAL						
Diverted from Stewart and Morrill Drains							Diverted from Wet Spotted Tail Creek						
Date	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.	
1	2	0	0	1	2	1	8	0	8	8	7	7	
2	2	0	0	1	2	1	8	0	6	8	8	7	
3	2	0	0	1	2	1	8	0	6	8	7	7	
4	2	0	0	1	2	1	8	0	7	8	7	8	
5	2	0	1	1	2	1	8	0	7	8	7	8	
6	2	0	1	1	2	1	8	0	7	8	7	8	
7	2	0	1	1	2	1	8	0	6	8	8	8	
8	2	0	1	1	2	1	8	0	6	8	8	8	
9	2	0	1	1	2	1	8	0	6	8	7	8	
10	2	0	1	1	1	1	8	0	6	8	7	10	
11	3	0	1	1	1	1	8	0	6	8	8	9	
12	3	0	1	1	1	1	8	0	6	8	8	9	
13	3	0	1	1	1	1	8	0	6	8	8	9	
14	0	0	1	1	1	1	0	0	6	8	8	9	
15	0	0	1	1	1	1	0	0	6	8	7	9	
16	0	0	1	1	1	2	0	0	6	9	7	9	
17	0	0	1	1	1	2	0	5	6	8	7	9	
18	0	0	1	1	1	2	0	5	7	8	7	9	
19	0	0	1	1	1	2	0	5	7	8	7	9	
20	0	0	1	1	1	2	0	6	7	9	7	9	
21	0	0	1	1	1	2	0	6	8	9	7	9	
22	0	0	1	1	1	2	0	6	9	8	7	9	
23	0	0	1	1	1	2	0	7	8	8	7	9	
24	0	0	1	1	1	2	0	7	8	8	7	10	
25	0	0	1	1	1	2	0	6	8	8	7	9	
26	0	0	1	2	1	2	0	6	8	8	7	9	
27	0	0	1	2	1	2	0	6	8	7	7	8	
28	0	0	1	2	1	2	0	7	8	7	7	8	
29	0	0	1	2	1	2	0	6	8	7	7	8	
30	0	0	1	2	1	2	0	8	8	7	7	9	
31	0	0	....	2	1	....	0	7	....	7	7	....
Mean	1	0	1	1	1	1	3	3	7	8	7	8	
Max.	3	0	1	2	2	2	8	8	9	9	8	10	
Min.	0	0	0	1	1	1	0	0	6	7	7	7	
A.F.	58	0	52	73	79	89	206	184	414	488	442	510	
Water diverted	351 A. F.						224½ A. F.						

ENTERPRISE CANAL							ENTERPRISE CANAL						
Diverted from Tub Springs							Diverted from Winters Creek						
Date	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.	
1	0	0	18	13	20	28	2	0	0	4	3	5	
2	0	0	18	0	20	28	3	0	0	5	4	5	
3	0	0	18	6	20	27	2	0	2	4	5	5	
4	0	0	0	0	20	27	2	0	4	4	5	5	
5	0	0	0	10	20	6	2	0	5	4	5	5	
6	0	0	0	16	18	0	3	0	5	4	4	5	
7	0	0	0	0	18	0	0	0	0	4	5	5	
8	0	0	0	0	18	0	0	0	0	5	5	5	
9	0	0	0	3	18	0	0	0	0	5	5	5	
10	0	0	0	7	18	0	0	0	0	5	5	5	
11	0	0	0	3	16	0	0	0	0	4	4	5	
12	0	0	0	8	16	0	0	0	0	4	4	5	
13	0	0	0	13	16	0	0	0	0	0	4	5	
14	0	0	0	10	16	0	0	0	0	0	4	5	
15	0	0	0	3	16	0	0	0	0	3	4	5	
16	0	0	0	0	16	0	0	0	0	5	4	5	
17	0	0	2	0	16	0	0	0	0	5	4	5	
18	0	2	21	0	16	0	0	0	0	5	4	5	
19	0	0	5	0	16	1	0	4	0	5	4	5	
20	0	6	1	0	16	0	0	4	1	5	5	5	
21	0	11	17	0	16	0	0	4	4	5	5	5	
22	0	15	18	15	16	0	0	4	4	5	5	5	
23	0	15	2	20	16	0	0	4	4	5	5	5	
24	0	15	13	21	16	0	0	4	4	5	5	5	
25	0	15	11	22	16	0	0	4	4	5	5	5	
26	0	15	14	8	27	0	0	4	4	3	5	5	
27	0	15	18	0	29	0	0	4	5	2	5	5	
28	0	15	18	0	29	0	0	4	5	3	5	5	
29	0	15	15	0	29	0	0	4	4	3	5	5	
30	0	15	13	0	29	0	0	4	4	3	5	4	
31	0	15	....	4	29	....	0	2	....	3	5	....
Mean	0	5	7	6	19	4	1	2	2	4	4	5	
Max.	0	15	21	22	29	28	3	4	5	5	5	5	
Min.	0	0	0	0	16	0	0	0	0	0	3	4	
A.F.	0	329	440	351	1194	232	28	99	97	241	282	296	
Water diverted	2546 A. F.						1046 A. F.						

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

ENTERPRISE CANAL SPILL To Tub Springs—Sec. 32-23-55 W.							ENTERPRISE CANAL SPILL To Winters Creek—Sec. 17-22-54 W.						
Date	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.	
1	54	0	0	0	0	0	15	0	0	20	0	21	
2	54	0	0	36	0	0	16	0	1	13	0	0	
3	51	0	0	0	0	0	15	0	4	0	0	0	
4	41	0	1	1	0	0	15	0	15	22	0	14	
5	47	0	23	0	0	0	10	0	27	14	0	19	
6	37	0	25	0	0	15	14	0	7	11	0	14	
7	35	0	23	2	0	13	18	0	14	10	10	21	
8	39	0	46	17	0	14	21	0	21	0	0	21	
9	63	0	47	0	0	14	22	0	18	2	7	23	
10	43	0	45	0	0	41	13	0	24	0	9	23	
11	43	0	42	0	0	38	10	0	29	0	11	6	
12	44	0	39	0	0	42	8	0	0	0	0	2	
13	44	0	21	0	0	36	10	0	24	0	0	2	
14	42	0	18	0	0	35	8	0	8	0	0	19	
15	0	0	9	0	0	32	0	0	10	4	0	15	
16	0	5	19	61	0	30	0	0	6	23	0	9	
17	0	5	0	29	0	23	0	0	0	17	0	0	
18	0	0	0	49	0	6	0	0	0	13	0	12	
19	0	17	0	38	0	0	0	12	0	4	0	21	
20	0	0	0	26	0	13	0	1	0	6	1	17	
21	0	0	0	17	0	28	0	0	0	6	0	21	
22	0	0	0	0	0	42	0	0	0	1	0	11	
23	0	0	0	0	0	35	0	0	15	7	0	23	
24	0	0	0	0	0	38	0	0	2	0	0	17	
25	0	0	0	0	0	33	0	0	0	0	25	17	
26	0	0	0	0	0	37	0	0	10	0	10	3	
27	0	0	0	2	0	35	0	0	0	0	7	9	
28	0	0	0	2	0	41	0	0	0	0	0	8	
29	0	0	0	2	0	43	0	0	23	0	0	6	
30	0	0	0	2	0	40	0	0	15	0	0	4	
31	0	0	.....	0	0	.....	0	16	.....	0	19	.....
Mean	20	1	12	9	0	24	6	1	9	6	3	12	
Max.	54	17	47	49	0	43	22	16	29	23	25	23	
Min.	0	0	0	0	0	0	0	0	0	0	0	0	
A.F. 1263	54	710	563	0	1436	387	58	541	343	196	750		
Total acre-feet 4026.													
Total acre-feet 2275.													

ENTERPRISE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River.....	1557	2424	5020	4288	3650	3013	19952
Morrill and Stewart Drains.....	58	0	52	73	79	89	351
Wet Spotted Tail Creek.....	206	181	414	488	442	510	2244
Tub Springs.....	0	329	440	351	1194	232	2546
Winters Creek (O.D. A-2409).....	28	99	97	244	282	296	1046
Total diverted.....	1849	3036	6023	5444	5647	4140	26139
Spill into:—							
Tub Springs.....	1263	54	710	563	0	1436	4026
Winters Creek.....	387	58	541	343	196	750	1147
Total spill.....	1650	112	1251	906	196	2186	6301
Net diverted.....	199	2924	4772	4538	5451	1954	19838

Area reported 8047 acres.
Net diverted 19838 A. F.
Per acre 2.47 A. F.

Acres Reported
D-920 7894
D-920 (O.D. A-2409) 153
Total 8047

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

FOLLETT-KROTTER CANAL Diverted from Frenchman River								FORT LARAMIE CANAL Diverted from North Platte River, Pathfinder and Guernsey Reservoirs					
Date	Oct.	Nov.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.	
1	*	16	*	*	*	*	*	0	200	632	1214	835	
2	0	*	0	*	*	*	*	0	564	933	1059	840	
3	*	*	*	*	*	0	*	0	860	998	953	833	
4	*	*	*	*	*	*	14	0	959	1075	926	531	
5	*	*	*	*	*	*	*	0	789	1100	909	0	
6	12	*	*	16	11	*	*	0	716	1145	868	0	
7	*	16	*	*	*	*	*	0	749	1170	836	0	
8	15	*	*	*	*	*	*	0	898	1174	753	0	
9	0	*	0	*	*	*	*	0	927	1166	693	0	
10	0	*	0	*	*	0	12	0	965	1191	655	0	
11	*	*	*	*	*	*	*	0	1057	1329	667	0	
12	*	*	*	*	*	*	*	0	1072	1331	714	0	
13	14	*	*	*	*	*	*	0	1085	1276	770	0	
14	*	*	*	*	*	*	*	0	1078	1008	781	0	
15	15	*	*	*	*	*	*	0	1064	933	784	0	
16	*	*	*	*	*	0	*	0	992	705	817	0	
17	*	*	*	*	*	*	*	0	921	177	885	0	
18	*	*	*	*	18	0	*	0	812	0	876	0	
19	*	*	*	15	0	*	8	0	684	0	754	0	
20	*	*	*	*	*	18	*	0	380	0	788	0	
21	*	*	*	*	*	*	10	0	105	0	780	0	
22	15	16	11	*	*	*	*	0	0	0	785	0	
23	*	*	*	*	*	15	*	0	0	0	782	0	
24	*	*	*	*	*	*	*	0	0	275	782	0	
25	*	*	*	*	*	15	*	0	0	633	805	0	
26	*	*	*	*	0	*	11	0	0	719	852	0	
27	16	*	*	12	*	0	*	0	0	904	846	0	
28	*	15	*	*	17	*	*	0	0	1037	862	0	
29	*	*	17	*	20	0	*	0	0	1065	862	0	
30	*	*	*	*	*	*	*	0	0	356	1081	862	0
31	16	....	*	....	0	*	....	0	....	1201	861	....
Mean	*	*	*	*	*	*	*	0	574	782	833	101	
Max.	*	*	*	*	*	*	*	0	1085	1331	1214	840	
Min.	*	*	*	*	*	*	*	0	0	0	655	0	
A.F.	*	*	*	*	*	*	*	0	34182	48116	51196	6028	

*No record.

Acreeage Reported
 A-705 300
 A-720 180
 A-975 324
 A-2294 208

Total area irrigated estimated at 107500 acres.
 Area in Nebraska 54790 acres.
 Water diverted for irrigation 139522 A. F.
 Per acre 1.30 A. F.

Total 1012

GATCH CANAL Diverted from Melbeta Drain						
Date	Oct.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*
2	*	*	*	*	*	*
3	*	*	*	0	0	*
4	*	*	*	*	*	*
5	*	*	*	*	*	*
6	1	*	*	*	*	*
7	*	*	*	*	*	*
8	*	*	0	*	*	*
9	*	*	*	*	*	*
10	*	*	*	*	*	*
11	*	*	*	*	*	*
12	*	*	*	*	*	*
13	*	*	*	*	*	0
14	*	*	0	*	*	*
15	*	*	*	*	*	*
16	*	*	*	*	0	*
17	*	*	*	*	*	*
18	*	*	*	*	*	*
19	*	*	*	0	*	*
20	*	*	*	*	*	*
21	*	*	*	1	*	*
22	*	*	*	*	*	*
23	*	*	*	*	*	*
24	*	*	*	*	*	*
25	*	*	*	*	*	*
26	*	*	*	*	*	*
27	*	*	*	*	*	*
28	*	*	*	*	*	*
29	*	*	*	*	*	*
30	1	*	*	*	2	*
31	*	*	....	*	*	....
Mean	*	*	*	*	*	*
Max.	*	*	*	*	*	*
Min.	*	*	*	*	*	*
A.F.	*	*	*	*	*	*

*No record.

Acreeage Reported
 A-1220 65

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

GERING CANAL
Diverted from North Platte River and
Pathfinder Reservoir

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	0	139	0	116	0	100	0
2	0	140	0	113	0	101	0
3	0	140	0	115	0	100	0
4	0	140	0	113	0	99	0
5	0	141	0	112	0	103	0
6	0	129	111	106	0	103	0
7	0	117	110	109	0	101	0
8	0	118	105	106	0	101	0
9	0	125	100	112	0	101	0
10	0	123	95	115	41	101	0
11	41	127	84	113	99	101	0
12	53	127	123	115	101	89	0
13	59	123	147	112	103	85	0
14	61	131	152	112	99	85	0
15	64	129	149	116	101	83	0
16	70	128	105	115	104	82	0
17	94	128	3	111	104	82	0
18	97	129	1	112	101	82	0
19	95	128	0	48	100	81	0
20	99	123	0	3	103	81	0
21	119	123	0	3	78	81	0
22	129	129	0	2	67	81	0
23	139	129	0	0	66	85	0
24	148	129	0	0	66	85	0
25	147	129	0	0	66	85	0
26	147	125	0	0	66	28	0
27	147	125	0	0	68	0	0
28	147	125	0	0	92	0	0
29	139	80	0	0	100	0	0
30	131	0	0	0	99	0	0
31	136	.....	0	.....	100	0	.....
Mean	73	122	41	69	62	75	0
Max.	148	141	152	116	104	103	0
Min.	0	0	0	0	0	0	0
A.F.	4487	7297	2549	4126	3816	4574	0

Water diverted 26849 A. F.

GERING LATERAL						GERING CANAL SPILL						
Diverted from						Near Melbeta—Sec. 14-21-54 W.						
Date	May	June	July	Aug.	Sept.	Oct.	Nov.	May	June	July	Aug.	Sept.
1	0	2	1	0	0	*	*	0	0	0	0	0
2	0	2	1	0	0	*	*	0	0	0	0	0
3	0	2	1	0	0	*	*	0	0	0	0	0
4	0	4	1	0	0	*	*	0	0	0	0	0
5	0	0	1	0	0	*	*	0	0	0	0	0
6	0	0	1	0	0	*	*	0	0	0	0	0
7	0	0	1	0	0	*	*	0	0	0	0	0
8	0	0	1	0	0	*	*	0	0	0	0	0
9	0	0	1	0	0	*	*	0	0	0	0	0
10	0	0	1	0	0	*	*	0	0	0	0	0
11	0	0	1	0	0	*	*	0	0	0	0	0
12	2	1	1	0	0	*	*	0	0	0	0	0
13	2	1	1	0	0	*	*	0	0	0	0	0
14	0	1	1	0	0	*	*	0	0	0	0	0
15	2	0	0	0	0	*	*	0	0	0	0	0
16	2	0	0	0	0	*	*	0	0	26	0	0
17	2	0	0	0	0	*	*	0	0	0	0	0
18	0	2	0	0	0	*	*	0	0	0	0	0
19	0	2	0	0	0	*	*	0	0	0	0	0
20	2	1	0	0	0	*	*	0	0	0	0	0
21	2	1	0	0	0	*	*	0	0	0	0	0
22	2	1	0	0	0	*	*	0	0	0	0	0
23	2	1	0	0	0	*	*	0	0	0	0	0
24	0	1	0	0	0	*	*	0	0	0	0	0
25	0	0	0	0	0	*	21	0	0	0	0	0
26	2	1	0	0	0	*	*	0	0	0	0	0
27	2	2	0	0	0	*	*	0	0	0	0	0
28	2	1	0	0	0	*	*	0	0	0	0	0
29	2	2	0	0	0	*	*	0	0	0	0	0
30	2	2	0	0	0	46	*	0	0	0	0	0
31	2	0	0	0	.....	*	.....	0	.....	0	.....	.....
Mean	1	1	1	0	.....	*	.....	0	.....	1	.....	.....
Max.	2	4	1	0	0	*	*	0	0	26	0	0
Min.	0	0	0	0	0	*	*	0	0	0	0	0
A.F.	60	60	28	0	0	91	42	0	0	52	0	0

Water diverted 148 A. F. Total acre-feet—incomplete record—185 A. F.
*No record.

(See next page for summary in acre-feet of Gering Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

GERING CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from:--								
North Platte River.....	4487	7297	2549	4126	3816	4574	0	26849
Melbeta Drain	0	*	60	60	28	0	0	148
Total diverted	4487	7297	2609	4186	3844	4574	0	26997
Spill to river—Sec. 14-21-54 W.	91	42	0	0	0	52	0	185
Net for irrigation.....	4396	7255	2609	4186	3844	4522	0	26812

Area reported 14216 acres.
 Net diverted 26812 A. F. including storage.
 Per acre 1.88 A. F.
 Storage diverted 8245 A. F.
 *No record.

Acreage Reported
 A-365 14216

GOTHENBURG DIVERSION CANAL
Diverted from Platte River

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	199	377	252	96	162	130	155	353	178	69	170	47
2	185	373	152	98	160	125	145	357	174	167	176	42
3	187	375	162	108	158	143	153	373	170	165	165	40
4	191	361	143	127	148	119	115	381	167	170	169	40
5	187	363	211	135	145	121	126	400	162	162	162	48
6	197	363	218	155	122	151	165	383	163	153	162	62
7	203	365	230	155	116	165	151	402	137	156	158	74
8	187	369	226	137	119	151	167	405	146	169	169	0
9	183	365	224	140	129	155	159	409	156	143	151	0
10	194	323	224	118	130	151	162	418	176	178	115	0
11	174	307	224	132	126	140	163	396	165	178	116	0
12	151	317	212	156	113	157	156	387	170	190	94	51
13	155	327	214	156	118	140	156	347	167	196	97	74
14	153	321	230	143	110	127	156	351	163	187	55	67
15	145	319	209	151	113	113	156	289	167	165	41	70
16	226	323	207	155	130	116	216	293	151	167	36	76
17	260	323	201	158	110	145	201	183	151	269	32	84
18	264	321	203	155	148	148	162	174	185	258	26	76
19	271	325	165	151	176	132	211	176	174	254	25	59
20	303	325	82	155	140	155	218	211	172	252	25	67
21	329	317	52	151	142	143	209	305	170	249	21	78
22	339	319	50	151	148	162	214	305	163	250	19	82
23	359	325	55	160	145	145	243	309	170	249	26	92
24	365	331	60	138	151	143	277	325	167	252	26	135
25	355	333	65	148	137	142	273	309	167	254	25	91
26	363	337	48	155	151	162	269	231	148	245	31	81
27	361	321	45	151	148	162	266	169	145	249	82	84
28	357	329	50	150	148	153	279	160	113	207	65	101
29	357	339	89	148	140	156	287	174	91	169	63	113
30	355	329	138	143	.....	156	327	183	68	167	60	153
31	371	.....	108	148	.....	135	.....	169	.....	170	52	.....
Mean	256	337	153	143	128	143	199	301	156	197	84	66
Max.	371	377	252	160	176	165	327	418	178	269	176	153
Min.	145	307	45	96	110	113	126	160	68	69	19	0
A.F.	15721	20077	9420	8775	7900	8813	11836	18500	9315	12117	5185	3941
Water diverted	131600 A. F.											

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

GOTHENBURG IRRIGATION CANAL									
Diverted from Platte River and Sutherland Reservoir									
Date	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1	52	230	95	0	189	11	9	18	2
2	39	230	20	0	207	10	10	12	2
3	45	230	0	0	212	7	11	12	2
4	44	220	0	0	225	1	11	12	3
5	38	225	60	0	220	1	0	12	3
6	50	225	75	0	221	1	0	11	3
7	57	228	85	0	234	1	0	10	3
8	36	228	85	0	234	1	0	8	2
9	35	226	75	0	243	1	3	8	0
10	43	200	73	0	250	1	15	5	0
11	36	215	74	0	232	1	21	5	0
12	16	225	65	0	237	1	20	3	0
13	20	225	70	0	216	1	13	10	2
14	49	220	75	0	224	1	12	8	2
15	70	225	45	0	155	2	11	6	2
16	74	225	45	30	181	2	10	8	2
17	95	220	45	35	1	2	72	8	2
18	105	225	55	40	10	2	95	6	2
19	115	220	20	50	10	4	96	1	2
20	145	215	0	50	61	1	91	1	2
21	175	215	0	50	142	1	88	1	2
22	200	220	0	55	130	0	85	0	2
23	210	220	0	85	124	0	87	0	2
24	225	220	0	125	153	0	93	0	2
25	210	218	0	120	122	0	100	1	2
26	215	225	0	120	13	0	94	1	2
27	210	210	0	110	12	6	89	2	2
28	212	205	0	115	11	5	70	2	2
29	215	190	0	130	10	4	11	3	2
30	220	175	0	166	9	7	11	2	2
31	230	.....	0	.....	11	.....	9	2	.....
Mean	112	217	34	43	139	3	40	6	2
Max.	230	230	95	166	250	11	100	18	3
Min.	16	175	0	0	1	0	0	0	0
A.F.	6903	13002	2106	2541	8537	1488	2454	353	111
Water diverted	37495 A. F.								

GOTHENBURG POWER RETURN

Gothenburg—Sec. 9-11-25 W.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	135	138	146	89	144	140	148	157	146	125	140	36
2	134	137	127	92	144	145	153	139	152	138	137	31
3	130	137	147	103	139	137	157	127	146	139	140	27
4	135	135	139	116	129	148	149	128	159	139	142	26
5	137	131	140	125	137	155	146	140	152	142	141	34
6	135	130	137	134	136	144	147	127	152	146	142	47
7	134	130	133	137	129	155	158	139	163	141	142	66
8	141	134	136	143	102	156	162	127	151	137	140	38
9	136	132	144	137	99	152	154	131	153	135	140	0
10	139	124	146	152	107	148	155	138	148	121	117	0
11	132	81	145	150	107	127	149	127	155	142	91	7
12	135	82	141	136	111	69	148	131	150	137	63	36
13	134	96	141	142	116	61	149	106	152	137	75	35
14	141	95	148	137	123	95	156	112	144	136	58	46
15	150	84	158	141	114	116	156	99	143	134	56	45
16	146	91	155	150	118	141	155	130	142	128	19	39
17	153	95	149	150	113	127	157	141	151	136	16	72
18	151	90	144	169	119	123	156	152	141	135	16	58
19	147	101	140	158	119	143	154	156	148	133	17	43
20	146	105	75	150	125	144	159	155	143	137	16	49
21	144	100	35	150	132	142	157	164	140	142	15	52
22	131	93	32	150	137	146	153	157	129	142	14	71
23	138	99	33	141	144	137	147	156	141	142	12	72
24	131	105	38	144	144	144	143	154	144	140	14	111
25	137	110	27	147	141	144	155	148	140	141	15	83
26	137	111	26	148	144	137	150	154	132	141	15	75
27	136	108	25	145	141	153	153	146	115	141	35	72
28	133	118	21	144	147	155	153	154	102	142	57	89
29	131	137	18	141	152	151	153	146	77	140	47	105
30	130	145	27	140	.....	147	152	149	63	140	49	105
31	134	.....	78	141	.....	144	.....	157	.....	141	45	.....
Mean	138	113	102	139	120	136	153	140	138	138	68	52
Max.	153	145	158	160	152	156	162	164	163	146	142	111
Min.	130	82	18	89	99	61	143	99	63	121	12	6
A.F.	8475	6698	6260	8515	7365	8382	9092	8622	8239	8470	4217	3114
Total acre-feet	87769.											

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

GOTHENBURG CANAL SPILL To Buffalo Creek—Sec. 8-11-22 W.					
Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	2	0	0	0	0
5	2	0	0	0	0
6	1	0	0	0	0
7	1	0	0	0	0
8	1	0	0	0	0
9	2	0	0	0	0
10	2	0	0	0	0
11	1	0	0	0	0
12	3	0	0	0	0
13	7	0	0	0	0
14	8	0	0	0	0
15	31	0	0	0	0
16	4	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	18	0	0	0	0
23	10	0	0	0	0
24	5	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	0	0	0	0
Mean	3	0	0	0	0
Max.	31	0	0	0	0
Min.	0	0	0	0	0
A. F.	194	0	0	0	0
Total acre-feet 194.					

GOTHENBURG IRRIGATION CANAL
SUMMARY IN ACRE-FEET

Month	Gothenburg diversion for irrigation	Spill to Buffalo Creek	Net for Irrigation
October	6903	*	6903
November	13002	*	13002
December	2106	*	2106
April	2541	*	2541
May	8537	194	8343
June	1488	0	1488
July	2454	0	2454
August	353	0	353
September	111	0	111
Total	37495	194	37301

Area reported 17820 acres.

Net diverted 37301 A. F. including storage.

Per acre 2.09 A. F.

Storage diverted 3546 A. F.

*No record.

Acreage Reported

D-645a 820

D-645b 17000

Total 17820

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

GRAF CANAL Diverted from Blue Creek and Crescent Lake—A-1575							HARPER CANAL Diverted from Clear Creek				
Date	Oct.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	30	0	0	0	0	0	0	0	0	0	0
2	28	0	0	0	0	0	0	0	0	0	0
3	28	0	0	0	0	0	0	0	0	0	0
4	31	0	0	0	0	0	0	0	0	0	0
5	29	0	0	0	0	0	0	0	0	0	0
6	29	0	0	1	0	0	0	0	0	0	0
7	29	0	4	1	0	0	0	0	0	0	0
8	30	0	11	1	1	0	0	0	0	0	0
9	30	9	15	1	1	0	0	0	0	0	0
10	28	12	15	1	1	0	0	0	0	0	0
11	27	17	17	0	1	0	0	0	0	0	0
12	26	19	18	0	1	0	0	0	0	0	0
13	26	20	16	9	1	0	0	0	0	0	0
14	26	18	16	23	1	0	0	0	0	0	0
15	25	21	16	25	1	0	0	0	0	0	0
16	16	18	15	29	1	0	0	0	0	0	0
17	8	15	15	11	1	0	0	0	0	0	0
18	10	24	21	0	1	0	0	0	0	0	0
19	10	24	8	0	1	0	0	0	0	0	0
20	11	23	0	0	1	0	0	0	0	0	0
21	9	23	1	0	0	0	0	0	0	0	0
22	9	25	1	0	0	0	0	0	0	0	0
23	3	26	0	0	0	4	0	0	0	0	0
24	1	26	0	0	0	8	0	0	0	0	0
25	1	28	0	0	0	10	0	0	0	0	0
26	0	29	0	0	0	16	0	0	0	0	0
27	0	26	0	0	0	22	0	0	0	0	0
28	0	27	0	0	0	23	0	0	0	0	0
29	0	9	0	0	0	25	0	0	0	0	0
30	0	0	0	0	0	25	0	0	0	0	0
31	0	0	....	4	0	....	0	....	0	0	....
Mean	16	14	6	3	1	4	0	0	0	0	0
Max.	31	29	21	29	1	25	0	0	0	0	0
Min.	0	0	0	0	0	0	0	0	0	0	0
A.F.	992	871	375	202	26	264	0	0	0	0	0
Area reported 2058 acres.						Acreage Reported					
Water diverted 2730 A. F.						D-763R 54					
Per acre 1.33 A. F.						D-781R 15					
No diversions from Crescent Lake.						D-788 1989					
						Total 2058					

HOLCOMBE CANAL Diverted from Pawnee Creek					
Date	May	June	July	Aug.	Sept.
1	0	3	3	0	0
2	0	3	3	0	0
3	0	3	3	0	0
4	0	3	3	0	0
5	0	2	0	0	0
6	0	0	0	0	0
7	0	0	0	0	3
8	0	0	0	0	3
9	0	0	0	0	3
10	0	0	0	0	3
11	0	0	0	0	3
12	0	0	2	0	3
13	0	0	3	0	3
14	0	0	2	0	3
15	0	3	2	0	3
16	0	0	2	0	3
17	0	0	2	0	3
18	0	0	0	0	3
19	0	0	0	0	3
20	0	0	0	0	3
21	0	2	0	0	3
22	2	4	0	0	3
23	4	2	0	0	2
24	4	0	0	0	2
25	4	0	0	0	2
26	4	0	0	0	2
27	4	0	0	0	2
28	0	0	0	0	0
29	3	0	0	0	0
30	3	0	0	0	0
31	3	....	0	0	....
Mean	1	1	1	0	2
Max.	4	4	3	0	3
Min.	0	0	0	0	0
A.F.	62	50	50	0	109
Area reported 560 acres.				Acreage Reported	
Water diverted 271 A. F.				D-636 560	
Per acre 0.48 A. F.					

HOLLINGSWORTH CANAL Diverted from South Platte River					
May	June	July	Aug.	Sept.	
1	0	3	3	0	0
2	0	3	4	0	0
3	0	3	3	0	0
4	0	3	4	3	0
5	0	0	4	3	0
6	1	0	0	0	2
7	1	0	0	3	2
8	1	0	0	3	0
9	1	0	0	3	2
10	0	0	0	3	2
11	0	0	0	3	2
12	0	0	4	3	2
13	0	0	4	3	2
14	0	0	4	3	2
15	0	3	4	3	2
16	0	0	5	3	2
17	0	0	0	3	2
18	2	3	3	3	2
19	3	3	3	2	2
20	2	3	3	2	2
21	3	0	0	2	2
22	3	0	0	2	2
23	2	0	0	2	2
24	2	0	0	2	2
25	2	0	3	2	2
26	2	0	3	2	2
27	2	3	3	3	2
28	2	3	4	2	2
29	0	3	3	0	2
30	0	3	4	0	2
31	0	....	4	0	....
Mean	1	1	2	2	2
Max.	5	3	4	4	2
Min.	0	0	0	0	0
A.F.	91	42	143	143	95
Area reported 374 acres.			Acreage Reported		
Water diverted 514 A. F.			D-723 374		
Per acre 1.37 A. F.					

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

HOOPER CANAL								
Diverted from Blue Creek and Crescent Lake—A-1575								
Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	12	7	0	6	8	0	0	0
2	13	6	0	7	10	0	0	0
3	11	6	0	7	13	0	0	0
4	13	5	0	7	5	0	0	0
5	10	4	0	8	3	0	0	0
6	7	3	0	6	8	0	8	6
7	7	0	0	5	8	0	14	6
8	17	0	0	6	6	0	15	6
9	7	0	0	7	6	0	10	6
10	4	0	0	8	13	0	11	7
11	8	0	0	9	13	0	7	7
12	11	0	0	9	8	0	12	7
13	12	0	0	8	11	8	6	7
14	11	0	0	6	12	12	7	7
15	10	0	0	6	11	15	10	0
16	8	0	0	12	11	18	3	0
17	6	0	0	13	13	0	0	0
18	5	0	0	10	13	0	0	0
19	10	0	0	8	12	0	0	0
20	13	0	0	8	13	0	0	0
21	12	0	0	8	12	0	0	4
22	11	0	0	8	0	0	0	14
23	2	0	0	10	0	0	0	12
24	10	0	0	15	0	0	0	13
25	11	0	0	16	0	0	0	8
26	11	0	0	10	0	0	0	9
27	12	0	0	11	0	0	0	11
28	12	0	0	10	0	0	0	9
29	11	0	4	10	0	0	0	8
30	10	0	5	11	0	0	0	11
31	7	.....	.....	9	.....	0	0	.....
Mean	10	1	1	9	7	2	1	5
Max.	17	7	5	16	13	18	15	14
Min.	2	0	0	5	0	0	0	0
A.F.	603	62	18	543	414	105	224	301
Area reported 877 acres.						Acreage Reported		
Water diverted 2270 A. F.						D-781 858		
Per acre 2.58 A. F.						D-788R 19		
No diversions from Crescent Lake.						Total 877		

HURLEY-LILLY-POLLY CANAL						
Diverted from Lodgepole Creek						
Date	Oct.	May	June	July	Aug.	Sept.
1	1.5	0	3.1	2.0	3.1	2.2
2	1.5	0	2.9	4.6	2.2	2.3
3	1.5	0	2.9	1.8	2.2	2.4
4	1.6	0	2.9	1.7	2.7	2.3
5	1.6	0	3.6	1.8	2.7	2.3
6	1.8	0	3.1	2.2	1.8	2.3
7	2.0	0	3.1	2.3	1.8	2.4
8	2.0	0	2.9	2.3	2.0	2.4
9	*	0	2.9	2.3	2.0	2.4
10	*	0	2.9	2.5	2.0	2.5
11	*	0	2.9	2.7	2.5	2.7
12	*	5	3.1	2.7	2.3	2.4
13	*	6	3.6	1.8	2.5	2.8
14	*	4	6.0	2.3	2.7	3.6
15	*	3	6.0	2.3	2.7	3.6
16	*	3	6.0	2.5	2.5	3.0
17	*	3	5.5	3.1	.0	3.0
18	*	3	4.1	3.6	3.0	2.8
19	*	3	4.2	2.5	3.0	3.0
20	*	3	6.4	3.5	3.0	3.2
21	*	3	5.8	4.6	2.3	3.3
22	*	3	5.1	2.5	2.3	3.0
23	*	3	.0	2.7	2.1	3.0
24	*	3	.0	2.3	2.1	3.0
25	*	3	.0	2.7	2.2	2.8
26	1	3	2.5	2.7	2.1	3.0
27	*	3	2.0	2.9	2.2	3.0
28	*	3	1.8	2.9	2.1	3.0
29	*	3	1.8	2.7	2.0	3.0
30	*	3	1.8	2.7	2.1	3.0
31	*	3	.....	2.7	2.2	.....
Mean	*	2	3.3	2.6	2.3	2.7
Max.	*	6	6.4	4.6	3.1	3.3
Min.	*	0	.0	1.7	.0	2.2
A.F.	23	131	196	163	139	163
*No record						
Area reported 175 acres.						Water diverted—incomplete record—
						820 A. F.
Per acre 4.68 A. F.						Acreage Reported
						D-354 175

DEPARTMENT OF ROADS AND IRRIGATION

783

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

INMAN CANAL						
Diverted from Frenchman River						
Date	Oct.	Nov.	May	June	July	Aug.
1	*	*	*	*	*	*
2	0	*	*	*	*	0
3	*	*	*	*	*	*
4	*	*	*	*	*	*
5	*	*	*	*	*	*
6	*	*	*	8	0	*
7	*	0	*	*	*	*
8	*	*	*	*	*	*
9	*	*	*	*	*	*
10	0	*	8	*	*	0
11	*	*	*	*	*	*
12	*	*	*	*	*	*
13	*	*	*	*	*	*
14	*	*	*	*	*	*
15	0	*	*	*	*	*
16	*	*	*	*	*	0
17	*	*	*	*	*	*
18	*	*	*	*	0	*
19	*	*	*	0	*	0
20	*	*	*	*	*	*
21	*	0	*	*	*	*
22	*	*	8	*	*	*
23	*	*	*	*	*	*
24	*	*	*	*	*	*
25	*	*	*	*	*	0
26	*	*	*	*	0	*
27	0	*	*	*	*	*
28	*	0	2	*	*	*
29	*	*	*	0	0	*
30	0	*	*	*	0	*
31	*	....	*	....	0	*
Mean	*	*	*	*	*	*
Max.	*	*	*	*	*	*
Min.	*	*	*	*	*	*
A.F.	*	*	*	*	*	*

*No record.

Acreage Reported	
A-436	365
D- 79	105
Total	470

INTERSTATE CANAL						
Diverted from North Platte River, Pathfinder and Guernsey Reservoirs						
Date	Apr.	May	June	July	Aug.	Sept.
1	0	0	1295	0	1598	0
2	0	0	783	0	1841	0
3	0	300	137	0	1916	0
4	0	431	0	0	1838	0
5	0	512	0	320	1751	0
6	0	591	0	890	1670	0
7	0	702	0	1192	1580	0
8	0	728	0	1472	1541	0
9	0	770	0	1753	1544	0
10	0	800	0	1927	1514	0
11	0	855	0	1936	1458	0
12	0	898	137	2026	1483	0
13	0	918	735	2025	1530	0
14	0	942	1100	1952	1531	0
15	0	950	1262	1794	1518	0
16	0	945	1404	1221	1497	0
17	0	952	1562	1010	1503	0
18	0	872	1652	1010	1471	0
19	0	855	1652	992	1467	0
20	0	918	1654	958	1467	0
21	0	948	1478	958	1451	0
22	0	982	913	958	995	0
23	0	1065	248	457	550	0
24	0	1068	0	0	309	0
25	0	1079	0	0	0	0
26	0	1100	0	0	0	0
27	0	1217	0	0	0	0
28	0	1312	0	0	0	0
29	0	1420	0	166	0	0
30	0	1510	0	918	0	0
31	....	1497	....	1368	0	....
Mean	0	875	534	881	1130	0
Max.	0	1510	1654	2026	1916	0
Min.	0	0	0	0	0	0
A.F.	0	53810	31760	54150	69470	0

Area reported 126431 acres.
Total headgate diversion 209190 A. F.
Per acre 1.65 A. F.

Acreage Reported	
Hill Dist. (Wyo.)	3704
Lingle Dist. (Wyo.)	11288
Other Wyoming lands	2300
Nebraska lands	109139
Total	126431

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

Date	KEARNEY CANAL											
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	46	368	222	240	220	383	359	101	0	13	0
2	0	29	396	220	240	240	366	346	113	0	14	0
3	0	27	376	230	240	245	367	268	196	0	15	0
4	0	123	337	225	235	250	360	212	129	0	17	0
5	0	228	331	220	240	190	386	193	120	0	21	0
6	0	295	327	220	245	241	376	148	158	0	19	0
7	0	370	328	215	250	290	397	164	204	2	19	0
8	0	358	332	210	255	272	384	159	370	0	18	0
9	0	290	360	210	260	282	385	174	388	0	17	0
10	0	256	392	222	265	301	392	285	323	0	17	0
11	0	331	383	225	265	232	334	255	416	113	4	0
12	0	246	375	225	270	132	283	182	359	358	0	0
13	0	242	377	216	275	240	383	159	383	236	0	0
14	0	250	389	216	260	253	385	116	394	117	5	0
15	0	264	345	215	258	223	324	79	398	57	5	0
16	0	289	384	278	255	214	232	51	364	42	1	0
17	6	323	388	220	260	322	303	41	236	22	0	0
18	132	340	392	215	265	295	307	98	146	7	0	0
19	194	359	354	220	250	284	318	286	84	2	0	0
20	238	383	131	225	230	332	383	298	43	0	0	0
21	289	375	120	225	200	297	385	231	29	1	0	0
22	196	344	155	225	190	284	399	224	26	10	0	0
23	218	371	160	220	200	265	359	254	16	3	0	0
24	258	390	145	220	205	255	372	208	17	0	0	0
25	252	398	130	220	210	290	373	142	9	0	0	0
26	252	383	130	225	225	282	363	110	5	0	0	0
27	278	359	120	225	220	316	371	93	1	0	0	0
28	279	364	160	230	215	379	393	63	0	5	0	0
29	225	370	210	230	226	371	372	46	0	7	0	0
30	115	376	215	235	.....	400	370	91	0	13	0	0
31	65	.....	225	240	.....	399	.....	119	.....	21	0	.....
Mean	91	280	285	224	239	277	360	176	168	33	6	0
Max.	289	398	396	278	275	400	399	359	416	358	21	0
Min.	0	27	120	210	190	132	232	41	0	0	0	0
A.F.	5607	17215	17524	13773	13771	17050	21432	10818	9973	2011	367	0
Water diverted	129541 A. F.											

Date	KEARNEY POWER RETURN											
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	43	303	217	230	234	359	321	120	0	0	0
2	0	32	335	210	235	239	349	344	100	0	0	0
3	0	28	389	231	238	248	319	276	188	0	0	0
4	0	21	350	225	239	251	362	193	124	0	0	0
5	0	214	343	220	232	214	371	198	77	0	0	0
6	0	275	256	225	233	210	348	156	134	0	0	0
7	0	337	282	215	242	289	373	160	152	0	0	0
8	0	368	305	218	244	287	244	163	317	0	0	0
9	0	296	316	215	245	274	271	155	335	0	0	0
10	0	283	361	212	250	299	176	236	360	0	0	0
11	0	251	357	216	260	254	146	265	416	0	0	0
12	0	263	317	220	262	70	106	188	337	294	0	0
13	0	249	375	220	266	52	173	166	310	212	0	0
14	0	242	371	215	220	112	135	126	320	59	0	0
15	0	242	341	215	230	158	132	51	340	0	0	0
16	0	263	362	205	250	176	110	6	362	0	0	0
17	0	298	339	212	255	307	270	3	290	0	0	0
18	12	310	389	215	260	289	317	20	101	0	0	0
19	176	330	341	210	260	266	242	239	8	0	0	0
20	205	357	120	220	240	303	352	251	2	0	0	0
21	263	380	80	222	225	287	341	225	0	0	0	0
22	180	380	99	225	190	280	366	197	0	0	0	0
23	188	340	135	220	200	259	305	239	0	0	0	0
24	236	360	166	220	210	253	344	220	0	0	0	0
25	234	382	128	220	220	268	344	200	0	0	0	0
26	248	388	80	218	225	289	337	150	0	0	0	0
27	273	375	110	210	245	283	343	105	0	0	0	0
28	278	355	99	210	230	350	359	31	0	0	0	0
29	239	360	183	215	225	359	355	50	0	0	0	0
30	124	355	200	222	.....	377	343	80	0	0	0	0
31	67	.....	203	230	.....	366	.....	120	.....	0	0	.....
Mean	88	279	261	218	237	255	290	166	146	18	0	0
Max.	273	383	389	231	266	377	373	344	416	294	0	0
Min.	0	21	80	205	190	52	106	3	0	0	0	0
A.F.	5401	16616	16037	13385	13609	15676	17241	10183	8714	1121	0	0
Total acre-feet	117983.											

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

KEARNEY CANAL
SUMMARY IN ACRE-FEET

Month	Diverted from			Received at Odessa for Power and Irrigation
	Elm Creek	Buffalo Creek	Platte River	
October	0	89	5518	5607
November	149	178	16888	17215
December	307	242	16975	17524
January	10	236	13517	13773
February	20	230	13521	13771
March	97	545	16408	17050
April	200	1622	19610	21432
May	401	1396	9021	10818
June	555	1718	7700	9973
July	1725	286	0	2011
August	367	0	0	367
September	0	0	0	0
Total	3831	6552	119158	129541

Area reported 4600 acres.

Acreage Reported
D-1023 4600

KEITH-LINCOLN COUNTY CANAL

Diverted from North Platte River

Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	100	64	0	49	0	0	0	0
2	83	67	0	40	0	0	0	0
3	80	69	0	52	0	10	0	0
4	82	59	0	62	0	4	28	19
5	83	49	0	88	0	0	79	38
6	81	45	0	78	14	0	29	18
7	81	39	0	82	27	0	0	0
8	88	35	0	88	39	0	0	0
9	82	39	0	73	48	31	0	0
10	53	45	0	66	56	79	0	0
11	72	42	0	68	27	67	0	0
12	71	40	0	71	0	84	0	0
13	61	41	0	62	14	96	0	0
14	52	41	0	68	78	96	0	0
15	47	41	0	62	71	58	0	0
16	43	39	0	73	54	19	0	0
17	36	37	0	88	70	6	0	25
18	32	37	0	73	69	0	0	62
19	31	42	0	65	66	0	0	81
20	38	45	0	77	47	0	0	77
21	43	47	0	83	0	0	0	86
22	44	44	0	66	0	0	0	88
23	47	40	0	41	0	0	0	87
24	45	44	47	48	0	0	0	85
25	33	17	41	43	0	0	0	87
26	28	5	17	47	0	0	0	95
27	32	0	16	46	0	0	0	95
28	26	0	39	37	0	0	0	94
29	44	0	50	5	0	0	15	94
30	61	0	43	6	0	0	68	101
31	62	....	....	4	....	0	42	....
Mean	59	37	8	58	22	18	8	41
Max.	100	69	50	88	78	96	79	101
Min.	26	0	0	4	0	0	0	0
A.F.	3493	2208	502	3592	1349	1091	518	2444

Water diverted 15197 A. F.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

Date	KEITH-LINCOLN COUNTY SPILL								
	To Oct.	North Nov.	Platte Apr.	River May	Sec. June	23-14-34 July	W. Aug.	Sept.	
1	16	30	0	11	0	0	0	0	0
2	17	31	0	13	0	0	0	0	0
3	13	32	0	13	0	0	0	0	0
4	12	31	0	11	0	0	0	0	0
5	16	27	0	9	0	0	0	0	0
6	20	22	0	19	0	0	0	0	0
7	22	18	0	22	4	0	0	0	0
8	25	17	0	17	17	0	0	0	0
9	30	18	0	14	26	0	0	0	0
10	20	18	0	5	34	0	0	0	0
11	22	19	0	4	22	0	0	0	0
12	26	18	0	3	7	0	0	0	0
13	23	18	0	2	0	0	0	0	0
14	17	18	0	2	34	0	0	0	0
15	18	17	0	2	39	0	0	0	0
16	17	19	0	1	43	0	0	0	0
17	14	18	0	4	16	0	0	0	0
18	12	14	0	4	15	0	0	0	0
19	12	15	0	7	6	0	0	0	0
20	12	14	0	10	2	0	0	0	0
21	17	14	0	25	0	0	0	0	0
22	18	13	0	22	0	0	0	0	0
23	19	12	0	7	0	0	0	0	0
24	19	13	0	1	0	0	0	0	0
25	15	6	21	1	0	0	0	0	0
26	10	3	8	0	0	0	0	0	5
27	12	0	12	1	0	0	0	0	0
28	12	0	11	0	0	0	0	0	0
29	14	0	13	0	0	0	0	0	0
30	27	0	11	0	0	0	0	0	4
31	29	.....	.....	0	.....	0	0	.....	.....
Mean	18	16	3	7	9	0	0	0	1
Max.	30	32	21	25	43	0	0	0	5
Min.	10	0	0	0	0	0	0	0	0
A.F.	1103	942	151	456	526	0	0	0	18
Total acre-feet	3196.								

KEITH-LINCOLN COUNTY CANAL
SUMMARY IN ACRE-FEET

	Oct	Nov.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	3493	2208	502	3592	1349	1091	518	2444	15197
Spill to North Platte River	1103	942	151	456	526	0	0	18	3196
Net diverted	2390	1266	351	3136	823	1091	518	2426	12001

Area reported 6250 acres.
Net diverted 12001 A. F.
Per acre 1.92 A. F.

Acreage Reported
D-722 6250

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

KENT-BURKE CANAL							KEYSTONE CANAL				
Date	Diverted from Pawnee Creek						Diverted from White Tail Creek				
	Oct.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	2	0	0	0	0
2	0	0	0	0	0	0	2	0	0	0	0
3	0	0	0	0	0	0	2	0	0	0	0
4	0	0	0	0	0	0	2	0	0	0	0
5	0	0	0	0	0	0	2	0	0	0	0
6	*	0	0	0	0	0	2	0	0	0	0
7	*	0	0	0	0	0	2	0	0	0	0
8	*	0	0	0	0	0	2	0	0	0	0
9	*	0	0	0	0	0	0	0	0	0	0
10	*	0	0	0	0	0	0	0	0	0	0
11	*	0	0	0	0	0	0	0	0	0	0
12	*	0	0	0	0	0	0	0	0	0	0
13	*	0	0	0	0	0	0	8	0	0	0
14	*	0	3	0	0	0	0	7	0	0	0
15	0	0	3	0	0	0	0	7	0	0	0
16	*	0	2	0	0	0	0	7	0	0	0
17	*	0	3	0	0	0	0	12	0	0	0
18	*	0	0	0	0	0	0	12	0	0	0
19	*	0	0	0	0	0	0	5	0	0	0
20	*	0	0	0	0	0	0	0	0	0	0
21	*	0	0	0	0	0	0	0	0	0	0
22	*	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0
24	*	0	0	0	0	0	0	0	0	0	0
25	*	0	0	0	0	0	0	0	0	0	0
26	*	0	0	0	0	0	0	0	0	0	0
27	*	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0
30	*	0	0	0	0	0	0	0	0	0	0
31	0	0	....	0	0	....	0	....	0	0	....
Mean	*	0	1	0	0	0	1	2	0	0	0
Max.	*	0	3	0	0	0	2	12	0	0	0
Min.	*	0	0	0	0	0	0	0	0	0	0
A.F.	*	0	22	0	0	0	32	115	0	0	0

Area reported 410 acres. Acreage Reported
 Water diverted—incomplete record—22 A. F. A-1694 410
 Per acre 0.05 A. F.
 *No record.

Area reported 2784 acres. Acreage Reported
 Water diverted 147 A. F.
 Per acre 0.05 A. F.
 A-662b 1945
 A-843 320
 A-1003 519

KIMBALL CANAL, NORTH
 Diverted from Lodgepole Creek
 and Oliver Reservoir

Date	May	June	July	Aug.	Sept.
1	0	8	7	11	0
2	0	5	12	6	0
3	0	8	7	11	0
4	0	17	0	0	0
5	0	10	0	0	0
6	0	0	3	0	0
7	0	0	4	0	0
8	0	0	6	0	0
9	0	0	5	0	6
10	0	0	6	0	7
11	0	0	8	0	11
12	0	0	7	0	9
13	0	0	10	0	0
14	0	0	7	0	0
15	0	0	3	0	0
16	0	0	4	0	0
17	0	19	4	0	0
18	0	18	4	0	0
19	0	20	2	0	0
20	0	23	2	16	0
21	0	22	3	14	0
22	0	20	3	11	0
23	5	15	7	0	0
24	7	11	6	0	0
25	6	8	10	0	0
26	3	8	10	0	0
27	6	9	11	0	0
28	3	6	11	0	0
29	4	7	11	0	0
30	4	7	8	0	0
31	9	....	13	0	....
Mean	2	8	6	2	1
Max.	7	23	13	16	11
Min.	0	0	0	0	0
A.F.	93	478	385	143	65

Total 2784
 KIMBALL CANAL, SOUTH
 Diverted from Lodgepole Creek
 and Oliver Reservoir

Date	May	June	July	Aug.	Sept.
1	0	12	15	22	0
2	0	12	13	24	0
3	0	8	13	26	0
4	0	0	12	7	0
5	0	0	10	6	0
6	0	0	13	0	0
7	0	0	12	0	0
8	0	0	8	0	0
9	0	0	11	0	22
10	0	0	11	0	29
11	0	0	12	0	22
12	0	0	13	0	18
13	0	0	13	0	16
14	0	0	13	0	4
15	0	0	13	0	5
16	0	0	10	0	0
17	0	0	12	0	0
18	0	15	10	0	0
19	0	17	13	0	0
20	0	19	15	0	0
21	0	19	16	0	0
22	0	20	16	13	0
23	0	25	20	22	0
24	0	14	27	27	0
25	11	14	25	3	0
26	7	15	29	9	0
27	15	14	30	0	0
28	15	16	29	0	0
29	14	14	32	0	0
30	13	15	33	0	0
31	12	....	27	0	....
Mean	3	8	17	5	4
Max.	15	25	33	27	29
Min.	0	0	8	0	0
A.F.	173	494	1043	315	230

Water diverted 1161 A. F.
 (See next page for summary in acre-feet of Kimball Canal.)
 Water diverted 2255 A. F.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

KIMBALL IRRIGATION DISTRICT CANALS
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
North Canal	93	478	385	143	65	1164
South Canal	173	494	1043	315	230	2255
Total	266	972	1428	458	295	3419

Area reported 4450 acres.
Water diverted 3419 A. F.
Per acre 0.77 A. F.

Acres Reported
A-897 4450

Date	KINNEY CANAL, SOUTH Diverted from Lodgepole Creek						KINNEY CANAL, NORTH Diverted from Lodgepole Creek					
	Oct.	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.
1	1	*	2	2	2	2	0	*	1	1	0	0
2	1	*	3	2	2	2	0	*	1	1	0	0
3	1	*	3	2	2	2	0	*	1	1	0	0
4	1	*	3	2	2	2	0	*	1	1	0	0
5	1	*	3	2	2	2	0	*	1	1	0	0
6	1	*	3	2	2	2	0	*	1	1	0	0
7	1	*	3	2	2	2	0	*	1	1	0	0
8	1	*	3	2	2	2	0	*	1	0	0	0
9	*	2	3	2	2	2	*	*	1	0	0	0
10	*	2	3	2	2	2	*	*	1	0	0	0
11	*	2	3	2	2	2	*	*	1	0	0	0
12	*	2	3	2	2	2	*	1	1	0	0	0
13	*	2	3	2	2	2	*	1	1	0	0	0
14	*	2	3	2	2	2	*	1	1	0	0	0
15	*	2	3	2	2	2	*	1	1	0	0	0
16	*	2	3	2	2	2	*	1	1	0	0	0
17	*	2	3	2	2	2	*	1	1	0	0	0
18	*	2	3	2	2	2	*	1	1	0	0	0
19	*	2	3	2	2	2	*	1	1	0	0	0
20	*	2	3	2	2	2	*	1	1	0	0	0
21	*	2	3	2	2	2	*	1	1	0	0	0
22	*	2	3	2	2	3	*	1	1	0	0	0
23	*	2	3	2	2	3	*	1	1	0	0	0
24	*	2	3	2	2	3	*	1	1	0	0	0
25	*	2	3	2	2	3	*	1	1	0	0	0
26	1	2	3	2	2	3	0	1	1	0	0	0
27	*	2	3	2	2	3	*	1	1	0	0	0
28	*	2	3	2	2	3	*	1	1	0	0	0
29	*	2	3	2	2	3	*	1	1	0	0	0
30	*	2	3	2	2	3	*	1	1	0	0	0
31	*	2	3	2	2	3	*	1	1	0	0	0
Mean	*	*	3	2	2	3	*	*	1	1	0	0
Max.	*	*	3	2	2	3	*	*	1	1	0	0
Min.	*	*	0	2	2	2	*	*	1	0	0	0
A. F.	18	91	159	123	123	137	*	42	60	14	0	0

Water diverted—incomplete record—
651 A. F.

*No record.

Water diverted—incomplete record—
116 A. F.

*No record.

DISCHARGE OF CANALS IN SECOND-FEET, 1940--Continued

KINNEY CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Kinney Canal, South.....	*18	91	159	123	123	137	651
Kinney Canal, North.....	*	42	60	14	0	0	116
Total diverted	*18	133	219	137	123	137	767

Area reported 322 acres.
Water diverted 767 A. F.
Per acre 2.38 A. F.
*Incomplete record.

Acreage Reported	
D-345	135
D-348	182
D-350	41
A-718	64
A-1828	No report filed
Total	322

KROTTER POWER CANAL
Diverted from Frenchman River

Date	Oct.	Nov.	Dec.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	64	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	81	*	*	*	*
3	*	*	*	*	*	83	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	64
5	*	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	15	*	*
7	*	68	*	*	*	*	*	*	*	*	*
8	62	*	*	*	*	*	*	*	*	*	*
9	72	*	*	*	*	*	*	*	*	*	*
10	62	*	*	*	*	*	62	*	*	77	70
11	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	92	*	*	*	*	*	*
13	62	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*
15	64	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	59	76	*
19	*	*	*	*	*	*	*	*	*	*	64
20	*	*	79	25	*	*	*	*	*	62	*
21	*	*	*	*	*	*	*	*	*	*	59
22	115	62	*	*	*	*	70	*	72	*	*
23	*	*	*	*	*	*	*	*	*	56	*
24	*	*	*	*	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*	*	*	56	*
26	*	*	*	*	*	*	*	*	68	*	*
27	*	*	*	*	*	*	*	83	*	63	*
28	*	79	*	*	*	*	*	*	74	*	90
29	*	*	*	*	*	*	68	158	57	51	*
30	*	*	*	*	*	*	*	*	*	66	*
31	63	....	*	....	*	....	*	....	100	*	....
Mean	*	*	*	*	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*	*	*	*	*
A.F.	*	*	*	*	*	*	*	*	*	*	*

Water diverted--incomplete record.
*No record.

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

LAST CHANCE CANAL								
Diverted from Pumpkinseed Creek								
Date	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.
1	7	10	9	0	0	0	0	5
2	7	10	9	0	0	0	0	0
3	7	9	9	0	0	0	2	0
4	7	8	9	0	0	0	10	0
5	7	9	9	0	0	0	10	0
6	8	9	9	0	5	0	11	0
7	7	9	0	6	5	0	4	0
8	7	10	0	6	5	0	0	0
9	6	10	0	7	4	0	0	0
10	6	10	0	6	6	0	0	1
11	6	10	0	6	6	0	0	2
12	6	9	0	7	6	0	0	0
13	7	8	0	7	6	6	0	0
14	9	8	0	7	6	6	0	0
15	9	8	0	7	6	6	0	0
16	7	8	0	7	6	7	0	0
17	6	8	0	7	7	2	0	0
18	6	8	0	7	6	0	0	0
19	6	8	0	8	2	0	0	0
20	6	8	0	8	0	0	0	5
21	6	9	0	8	0	0	0	0
22	8	9	0	8	0	0	0	0
23	9	9	0	8	0	0	0	0
24	11	9	0	8	0	0	0	0
25	11	9	0	8	0	0	0	0
26	11	9	0	8	0	0	0	0
27	10	10	0	8	0	0	0	0
28	9	10	0	7	0	0	0	0
29	8	9	0	0	0	0	0	0
30	8	9	0	0	0	0	0	0
31	9	.....	0	0	.....	0	2	.....
Mean	8	9	2	5	2	1	1	1
Max.	11	10	9	8	7	7	11	5
Min.	6	8	0	0	0	0	0	0
A.F.	470	533	107	315	151	54	77	26
Area reported 496 acres.						Acreage Reported		
Water diverted 1733 A. F.						D-883 406		
Per acre 4.30 A. F.								

LISCO CANAL						
Diverted from Cold Water Creek						
Date	Oct.	May	June	July	Aug.	Sept.
1	3	3	3	0	0	0
2	3	0	3	0	0	0
3	3	0	4	0	0	0
4	3	0	0	0	0	0
5	3	0	0	0	0	0
6	4	0	0	0	0	3
7	3	0	0	0	0	3
8	3	2	0	0	0	3
9	3	2	0	0	0	3
10	3	2	1	0	3	3
11	3	3	1	0	3	3
12	2	3	1	0	3	3
13	1	3	1	1	3	3
14	1	3	1	1	3	3
15	1	3	1	1	3	0
16	1	3	1	1	3	0
17	1	3	1	0	3	0
18	3	3	1	0	3	0
19	3	3	0	0	3	0
20	3	3	0	0	3	0
21	3	3	0	0	0	0
22	3	3	0	0	0	0
23	3	3	0	0	0	0
24	3	3	0	0	0	0
25	3	3	0	0	0	0
26	3	3	0	0	0	0
27	3	3	0	0	0	0
28	3	3	0	0	0	0
29	3	3	0	0	0	0
30	3	3	0	0	0	0
31	3	3	.....	0	0	.....
Mean	3	2	1	0.1	1	1
Max.	4	3	4	1	3	3
Min.	1	0	0	0	0	0
A.F.	166	143	38	8	66	54
Water diverted 475 A. F.						

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

Date	LISCO CANAL Diverted from North Platte River							
	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.
1	26	0	0	0	12	0	0	0
2	24	0	0	0	12	0	0	0
3	22	6	0	0	12	0	0	0
4	19	0	0	0	0	0	0	0
5	20	0	0	0	0	0	0	7
6	19	0	0	0	0	0	0	42
7	19	0	0	12	0	0	0	42
8	19	0	0	12	0	0	0	39
9	21	0	0	12	0	0	28	41
10	16	0	7	10	0	0	27	39
11	10	0	13	9	0	0	20	43
12	12	0	13	8	0	0	23	42
13	15	0	13	13	0	11	30	39
14	16	0	12	21	0	24	33	28
15	8	0	12	22	0	17	37	0
16	0	0	13	22	0	16	42	0
17	0	0	12	23	0	0	42	0
18	0	0	12	23	14	0	39	0
19	0	8	4	21	19	0	38	0
20	0	15	0	19	16	0	28	18
21	0	14	0	19	0	0	0	28
22	0	14	0	21	0	0	0	32
23	0	13	0	24	0	0	0	28
24	0	12	0	32	0	0	0	35
25	0	11	0	32	0	0	0	37
26	0	12	0	30	0	0	0	35
27	0	10	0	30	0	0	0	38
28	0	2	0	33	0	0	0	35
29	0	0	0	16	0	0	0	32
30	0	0	0	20	0	0	0	36
31	0	.....	0	16	.....	0	0	.....
Mean	9	4	4	16	3	2	12	23
Max.	26	15	13	33	19	24	42	43
Min.	0	0	0	0	0	0	0	0
A.F.	528	224	220	992	168	135	768	1420

Water diverted 4454 A. F.

LISCO CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.	Total
Diverted from:—									
North Platte River.....	528	224	220	992	168	135	768	1420	4455
Cold Water Creek.....	166	*	*	143	38	8	66	54	475
Total diverted	694	224	220	1135	206	143	834	1474	4930

Area reported 2936 acres.
 Water diverted 4930 A. F.
 Per acre 1.68 A. F.
 *No record.

Acreage Reported	
A-991	216
A-243	635
D-796	300
D-787	394
D-856	1391
Total	2936

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

LONERGAN CANAL
Diverted from Lonerган Creek

Date	May	June	July	Aug.	Sept.
1	1	1	0	0	0
2	1	1	0	0	0
3	1	1	0	0	0
4	1	1	0	0	0
5	1	1	0	0	0
6	1	4	0	0	0
7	1	3	0	0	0
8	1	1	0	0	0
9	1	1	1	0	0
10	1	1	1	0	0
11	2	1	1	0	0
12	0	1	1	0	0
13	0	1	1	0	0
14	2	1	1	0	0
15	4	1	1	0	0
16	4	1	1	0	0
17	0	2	1	0	0
18	0	1	1	0	0
19	4	1	2	0	0
20	4	0	0	0	0
21	4	1	0	0	0
22	2	1	0	0	0
23	0	1	0	0	0
24	0	1	0	0	0
25	0	1	0	0	0
26	0	1	0	0	0
27	2	0	0	0	0
28	1	0	0	0	0
29	2	0	0	0	0
30	2	0	0	0	0
31	2	0	0	0	0
Mean	1	1	1	0	0
Max.	4	4	2	0	0
Min.	0	0	0	0	0
A.F.	89	61	24	0	0

Area reported 545 acres.
Water diverted 174 A. F.
Per acre 0.32 A. F.

LYONS CANAL
Diverted from North Platte River

Date	Oct.	May	June	July	Aug.	Sept.
1	*	0	0	0	0	0
2	9	0	0	0	0	0
3	*	0	0	0	0	0
4	*	0	0	0	0	0
5	*	2	0	0	0	0
6	*	2	0	0	0	0
7	*	2	1	0	0	0
8	*	2	2	0	0	0
9	*	1	2	0	0	0
10	*	1	2	0	0	0
11	16	1	1	0	0	0
12	*	1	0	0	0	0
13	*	1	0	0	0	0
14	*	3	0	0	0	0
15	*	3	0	0	0	0
16	*	3	1	0	0	0
17	*	2	1	0	0	0
18	*	0	3	0	0	0
19	*	0	1	0	0	0
20	*	0	0	0	0	0
21	*	1	0	0	0	0
22	*	0	0	0	0	0
23	*	0	0	0	0	0
24	*	0	0	0	0	0
25	*	0	0	0	0	0
26	*	0	0	0	0	0
27	*	0	0	0	0	0
28	*	0	0	0	0	0
29	*	0	0	0	0	5
30	*	0	0	0	0	10
31	*	0	0	0	0	1
Mean	*	1	1	0	0	0
Max.	*	3	3	0	0	10
Min.	*	0	0	0	0	0
A.F.	*	46	28	0	0	30

Area reported 2264 acres. Acreage Reported
Water diverted 104 A. F. D-803 2264
Per acre 0.04 A. F. *No record.

Acreage Reported
D-699 1938 report 545

McCARTHY CANAL
Diverted from White Tail Creek

Date	May	June	July	Aug.	Sept.
1	0	1	0	0	0
2	0	1	0	0	0
3	0	1	0	0	0
4	0	1	0	0	0
5	1	0	0	0	0
6	1	0	0	0	0
7	1	0	0	0	0
8	1	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	1	0	1	0	0
12	1	2	1	0	0
13	1	1	1	0	0
14	1	1	1	0	0
15	1	1	1	0	0
16	1	1	1	0	0
17	2	1	1	0	0
18	2	1	1	0	0
19	2	1	0	0	0
20	2	1	0	0	0
21	2	0	0	0	0
22	2	0	0	0	0
23	1	0	0	0	0
24	1	0	0	0	0
25	1	0	0	0	0
26	1	0	0	0	0
27	1	0	0	0	0
28	1	0	0	0	0
29	1	0	0	0	0
30	1	0	0	0	0
31	1	0	0	0	0
Mean	1	1	0.3	0	0
Max.	2	2	1	0	0
Min.	0	0	0	0	0
A.F.	62	28	16	0	0

Area reported 70 acres.
Water diverted 106 A. F.
Per acre 1.52 A. F.

Acreage Reported
D-749 1939 report 70

McINTOSH CANAL
Diverted from Lodgepole Creek

Date	Oct.	May	June	July	Aug.	Sept.
1	2	4	2	2	1	1
2	2	4	2	2	1	1
3	2	4	2	2	1	1
4	2	4	2	2	1	1
5	2	4	2	2	1	1
6	2	4	2	2	1	1
7	2	4	2	2	1	1
8	2	4	2	2	1	1
9	2	4	2	2	1	1
10	2	4	2	2	1	1
11	2	4	2	2	1	1
12	2	4	2	2	1	1
13	2	4	2	2	1	1
14	2	4	2	2	1	1
15	2	4	2	2	1	1
16	2	4	2	2	1	1
17	2	4	2	2	1	1
18	2	4	2	2	1	1
19	2	4	2	2	1	1
20	2	4	0	2	1	1
21	2	4	0	2	1	1
22	2	5	0	2	1	1
23	2	5	0	2	1	1
24	2	5	0	2	1	1
25	2	5	0	2	1	1
26	3	5	2	2	1	1
27	2	5	2	2	1	1
28	2	5	2	2	1	1
29	2	4	2	2	1	1
30	2	4	2	2	1	1
31	2	4	2	2	1	1
Mean	2	4	3	2	1	1
Max.	3	5	4	2	1	1
Min.	2	4	2	2	1	1
A.F.	38	198	163	123	62	60

Area reported 298 acres.
Water diverted—incomplete record—
625 A. F. Acreage Reported
Per acre 2.10 A. F. D-351 176
*No record. A-734 122

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

MARANVILLE CANAL							
Diverted from Frenchman River							
Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*
3	*	*	*	*	*	0	*
4	*	*	*	*	*	*	0
5	*	*	*	*	*	*	*
6	*	*	*	5	0	*	*
7	*	4	*	*	*	*	*
8	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*
10	5	*	6	*	*	0	0
11	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*
15	3	*	*	*	*	*	*
16	*	*	*	*	*	0	*
17	*	*	*	*	*	*	*
18	*	*	*	*	0	*	*
19	*	*	*	0	*	*	0
20	*	*	*	*	*	*	*
21	*	4	*	*	*	*	*
22	*	*	6	*	*	*	*
23	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*
25	*	*	*	*	*	0	*
26	*	*	*	*	*	*	*
27	4	*	*	*	*	*	*
28	*	*	5	*	*	*	*
29	*	*	*	0	*	*	*
30	4	*	*	*	0	*	0
31	*	....	*	....	*	*	....
Mean	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*
A.F.	*	*	*	*	*	*	*
*No record.				Acreage Reported			
				D-70-71 355			

MEEKER CANAL							
Diverted from Republican River							
Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	20	30	*	*	38	30	34
2	19	31	22	*	38	33	36
3	19	31	*	*	37	32	35
4	18	30	*	*	39	37	34
5	18	30	*	*	37	28	0
6	16	31	*	23	30	41	0
7	17	31	*	*	35	42	0
8	16	32	*	*	30	40	40
9	30	31	*	*	32	35	41
10	31	30	20	*	30	33	37
11	25	31	*	*	30	28	37
12	24	32	*	*	32	30	40
13	26	35	34	*	33	35	40
14	26	30	*	*	33	28	33
15	26	30	*	*	33	28	38
16	26	34	*	*	30	27	40
17	26	33	*	*	30	26	35
18	26	32	*	*	28	23	30
19	26	32	*	23	29	30	23
20	25	32	*	*	37	32	28
21	26	32	*	*	37	33	28
22	26	32	21	*	37	40	28
23	30	34	*	*	36	40	28
24	26	32	*	*	30	38	33
25	30	33	*	*	31	30	30
26	32	34	*	26	30	32	35
27	32	34	28	*	41	40	28
28	32	30	*	40	34	43	23
29	32	31	30	23	38	28	21
30	32	31	*	*	39	34	28
31	24	....	*	....	34	32	....
Mean	25	32	*	*	34	33	29
Max.	32	35	*	*	41	43	41
Min.	16	30	*	*	28	23	0
A.F. 1551	1886	*	*	*	2079	2039	1751
Area reported 2870 acres.				Acreage Reported			
Water diverted—incomplete				D-4-7-8-9 2870			
record—9306 A. F.							
Per acre 3.24 A. F.							
*No record.							

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

MEREDITH-AMMER CANAL								SWEET'S PUMP (UNDER-GROUND WATER)	
Diverted from Pumpkinseed Creek								To Pumpkinseed Creek	
Date	Oct.	May	June	July	Aug.	Sept.		Aug.	Sept.
1	3	0.0	11.3	0.0	0.0	3.2		0.0	0.7
2	3	.0	10.9	.0	.7	3.7		1.2	.9
3	4	.0	9.1	.0	3.5	3.7		2.2	1.0
4	5	.0	3.4	.0	4.8	3.7		1.6	1
5	4	.0	3.2	.0	3.5	3.7		1.4	1
6	4	4.1	3.2	.0	3.0	2.2		1.6	.7
7	4	3.7	3.2	.0	3	.0		.6	.9
8	4	3.6	3.2	.0	2.6	.0		1.0	.5
9	4	3.6	3.2	.0	3.0	.0		1.5	.9
10	4	7.3	3.0	.0	2.9	.0		1.5	1.0
11	0	10.9	3	.0	2.1	.0		1.5	.9
12	0	10.9	3	.0	2.1	.0		1.7	1.2
13	0	11.3	3	4.3	.8	.0		1.4	1.0
14	0	10.9	3.4	8.8	.0	.0		.0	1.2
15	0	11.3	4.6	7.5	1.0	.0		.0	1.0
16	0	11.5	6.3	6.3	1	.0		.0	.0
17	0	11.5	5.9	.0	1.4	2.0		.0	.0
18	0	11.8	5.5	.0	1.4	13.8		.0	.0
19	0	12.2	6.1	.0	1.0	13.8		.0	.0
20	0	12.0	6.1	.0	1.4	12.7		.0	.0
21	0	12.2	1.6	.0	1.7	14.2		.0	.0
22	0	12.0	2.3	.0	1.6	10.9		.0	.0
23	0	11.8	1.7	.0	1.6	4.5		.0	.0
24	0	12.4	1.7	.0	1.6	4.6		.0	.0
25	0	13.5	2.1	.0	1.6	.0		.0	.0
26	0	13.5	2.1	.0	2.5	.0		.4	.0
27	0	13.1	1.2	.0	3.5	.0		1.1	.0
28	0	13.3	.8	.0	3.9	.0		1.2	.0
29	0	12.9	1.2	.0	3.7	.0		1.1	.0
30	0	11.8	1.0	.0	3.2	.0		1.1	.0
31	0	11.7	.....	.0	3.2	.....		.9	.....
Mean	1	8.9	3.8	0.9	2.2	3.2		0.7	0.5
Max.	5	13.5	11.3	8.8	4.8	14.2		2.2	1.2
Min.	0	.0	.8	.0	.0	.0		.0	.0
A.F.	78	545	230	54	133	192		46	28
Water diverted	1232 A. F.							Total acre-feet 74.	

MEREDITH-AMMER CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from Pumpkinseed Creek.....	78	545	230	54	133	192	1232
Underground water pumped to Pumpkinseed Creek	0	0	0	0	46	28	74
Net for irrigation.....	78	545	230	54	87	164	1158
Area reported 981 acres.							Acreage Reported
Net diverted 1158 A. F.							D-876 981
Per acre 1.18 A. F.							

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

MIDDLE LOUP PUBLIC POWER AND IRRIGATION

DISTRICT CANAL NO. 1

Diverted from Middle Loup River

Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	23	9	0	19	27	19	31	27
2	23	0	0	18	30	23	33	26
3	23	0	6	15	30	23	30	28
4	23	0	12	19	16	21	30	31
5	22	0	14	25	16	21	30	30
6	20	0	11	22	0	21	31	30
7	20	0	12	24	0	21	31	30
8	21	0	12	26	0	30	32	30
9	22	0	12	26	0	11	33	31
10	22	0	13	26	0	0	32	30
11	20	0	14	24	0	21	29	29
12	20	0	9	24	0	37	27	26
13	20	0	12	24	0	37	25	25
14	19	0	12	18	0	35	23	23
15	19	0	18	19	10	30	24	22
16	21	0	20	22	18	33	25	22
17	20	0	22	22	21	32	26	22
18	22	0	19	21	24	31	26	22
19	22	0	19	19	23	32	24	22
20	21	0	18	21	23	32	28	21
21	19	0	19	26	21	31	29	21
22	19	0	20	25	24	33	28	21
23	20	0	18	24	14	39	28	21
24	18	0	17	26	20	39	27	21
25	18	0	19	27	18	39	28	21
26	17	0	16	25	18	37	29	21
27	18	0	19	25	18	23	27	20
28	18	0	24	27	20	33	26	20
29	18	0	24	26	20	32	28	20
30	19	0	20	26	20	31	28	20
31	17	.....	.....	27	.....	29	.....	.....
Mean	20	0.3	15	23	14	28	28	24
Max.	23	9	24	27	30	39	33	31
Min.	17	0	0	15	0	0	23	20
A.F.	1236	18	895	1424	855	1738	1736	1454
Water diverted	9356 A. F.							

MIDDLE LOUP PUBLIC POWER AND IRRIGATION

DISTRICT CANAL NO. 2

Diverted from Middle Loup River

Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	29	11	0	24	36	22	32	33
2	29	0	0	23	37	26	36	31
3	29	0	0	21	39	26	31	31
4	29	0	0	29	35	25	31	32
5	29	0	0	24	32	25	27	33
6	27	0	0	29	9	26	21	31
7	30	0	0	34	10	29	20	29
8	34	0	9	29	11	33	22	28
9	34	0	16	27	5	34	21	29
10	33	0	21	29	0	33	20	33
11	32	0	24	31	0	34	19	30
12	31	0	20	31	0	35	19	27
13	31	0	22	29	0	37	20	25
14	32	0	22	15	0	35	21	25
15	32	0	24	21	0	26	22	25
16	31	0	33	26	0	33	24	24
17	31	0	36	30	21	34	22	24
18	28	0	51	31	29	45	44	24
19	29	0	27	31	33	49	44	24
20	29	0	33	25	34	49	36	24
21	26	0	30	28	33	53	43	24
22	24	0	32	31	31	51	35	25
23	26	0	24	30	17	51	37	25
24	29	0	31	29	23	51	36	25
25	30	0	33	34	24	52	36	24
26	30	0	30	33	22	54	40	23
27	30	0	32	28	21	58	43	22
28	30	0	33	31	20	58	44	21
29	27	0	33	32	23	58	42	21
30	23	0	28	34	22	55	40	21
31	22	.....	.....	38	.....	35	36	.....
Mean	29	0.3	21	29	19	40	31	26
Max.	34	11	36	38	39	58	44	33
Min.	22	0	0	15	0	22	19	21
A.F.	1797	22	1258	1759	1125	2444	1932	1573
Water diverted	11910 A. F.							

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 3								
Date	Diverted from Middle Loup River							
	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	33	32	0	27	42	46	77	57
2	33	0	0	29	37	58	82	55
3	34	0	0	29	34	58	80	51
4	34	0	0	28	49	50	78	48
5	35	0	9	27	45	50	81	51
6	35	0	26	28	7	49	87	47
7	36	0	21	26	8	55	91	40
8	38	0	13	19	3	63	91	37
9	38	0	21	25	0	71	91	36
10	38	0	28	33	0	68	94	37
11	37	0	28	31	0	65	93	39
12	36	0	15	36	0	61	86	36
13	34	0	32	19	0	66	84	33
14	34	0	29	20	0	70	84	33
15	34	0	28	23	0	75	83	30
16	36	0	33	23	0	74	76	28
17	38	0	30	34	0	68	76	29
18	37	0	31	31	8	62	73	24
19	37	0	31	31	24	60	57	24
20	37	0	31	31	39	63	59	24
21	38	0	27	34	40	68	65	24
22	38	0	29	36	39	75	62	24
23	39	0	30	37	26	80	62	24
24	42	0	31	39	33	86	59	24
25	50	0	29	40	36	96	62	24
26	50	0	25	41	35	94	64	24
27	49	0	30	37	38	91	67	23
28	48	0	30	38	46	92	69	23
29	49	0	29	38	50	95	68	23
30	49	0	28	37	33	94	67	21
31	46	....	....	44	....	80	64	....
Mean	36	1	23	31	22	70	75	33
Max.	50	32	33	44	50	96	94	57
Min.	33	0	0	19	0	46	57	21
A. F.	2404	63	1377	1926	1333	4336	4626	1970
Water diverted	18035 A. F.							

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 4								
Date	Diverted from Middle Loup River							
	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	47	29	0	39	71	36	78	71
2	46	0	0	30	73	38	92	67
3	45	0	0	29	68	45	95	62
4	44	0	0	41	65	48	90	58
5	42	0	0	45	58	48	89	54
6	42	0	0	43	49	50	95	48
7	43	0	0	37	36	53	94	43
8	44	0	0	37	18	60	92	40
9	43	0	0	41	0	61	93	39
10	41	0	0	39	0	68	96	42
11	37	0	6	39	0	83	95	43
12	34	0	12	39	0	82	94	43
13	33	0	23	43	0	84	93	42
14	32	0	26	46	0	85	92	41
15	31	0	40	42	11	86	90	41
16	31	0	45	35	25	89	88	41
17	37	0	36	45	29	84	85	39
18	41	0	34	46	27	79	86	37
19	43	0	28	46	28	83	79	36
20	46	0	20	45	36	93	67	36
21	46	0	29	43	43	92	68	36
22	45	0	35	42	43	91	73	35
23	47	0	36	41	40	93	81	35
24	52	0	30	43	44	94	78	33
25	58	0	48	45	41	94	76	33
26	60	0	42	43	39	93	78	31
27	65	0	14	47	38	93	77	29
28	66	0	26	56	39	95	74	28
29	52	0	44	53	40	93	73	27
30	45	0	45	57	39	93	73	27
31	42	....	....	62	....	83	72	....
Mean	44	1	21	43	33	76	84	41
Max.	66	29	48	62	73	95	96	71
Min.	31	0	0	29	0	36	67	27
A. F.	2737	58	1228	2656	1984	4699	5169	2454
Water diverted	20985 A. F.							

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued
 MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
 SUMMARY IN ACRE-FEET

	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.	Total
Diversion:—									
Canal No. 1.....	1236	18	895	1424	855	1738	1736	1454	9356
Canal No. 2.....	1797	22	1258	1759	1125	2444	1932	1573	11910
Canal No. 3.....	2404	63	1377	1926	1333	4336	4626	1970	18035
Canal No. 4.....	2737	58	1228	2656	1984	4699	5169	2454	20985
Total diverted	8174	161	4758	7765	5297	13217	13463	7451	60286
Return through spillways:—									
Canal No. 1.....	85	4	173	252	165	102	184	264	1229
Canal No. 2.....	774	12	345	631	446	204	319	359	3090
Canal No. 3.....	601	2	605	391	385	764	765	651	4164
Canal No. 4.....	226	0	174	389	323	71	490	619	2292
Total return	1686	18	1297	1663	1319	1141	1758	1893	10775
Net diverted	6488	143	3461	6102	3978	12076	11705	5558	49511

Area reported 21160 acres.
 Net diverted 49511 A. F.
 Per acre 2.34 A. F.

Acreage Reported
 A-2293 19414
 A-2678 1746

Total 21160

MIDLAND-OVERLAND CANAL
 Diverted from North Platte River

Date	Oct.	May	June	July	Aug.	Sept.
1	16	0	0	0	0	0
2	9	0	0	0	0	0
3	16	0	0	0	0	0
4	15	0	0	0	0	0
5	19	0	0	0	0	0
6	18	0	0	0	0	0
7	17	0	0	0	0	0
8	17	0	9	0	0	0
9	16	0	9	0	0	0
10	16	0	8	0	0	0
11	16	13	8	0	0	0
12	15	12	8	0	0	0
13	16	12	6	0	0	0
14	16	10	6	0	0	0
15	16	9	7	0	0	0
16	16	9	7	0	0	0
17	15	10	9	0	0	0
18	15	10	13	0	0	0
19	15	8	4	0	0	0
20	16	7	0	0	0	0
21	17	5	0	0	0	0
22	19	6	0	0	0	7
23	19	6	0	6	0	10
24	18	11	0	0	0	12
25	18	12	0	0	0	13
26	17	13	0	0	0	14
27	*	8	0	0	0	14
28	*	9	0	0	0	14
29	*	4	0	0	0	15
30	*	0	0	0	0	15
31	*	0	.....	0	0	.....
Mean	*	6	3	0	0	.....
Max.	*	13	13	0	0	15
Min.	*	0	0	0	0	0
A.F.	867	345	186	0	0	226

MINATARE CANAL
 Diverted from North Platte River

May	June	July	Aug.	Sept.
0	91	83	94	75
0	105	88	90	64
0	118	83	98	64
0	112	82	98	75
0	83	81	91	78
0	43	80	93	79
0	57	98	89	78
0	55	98	84	78
0	54	98	92	79
0	57	97	95	71
42	59	91	89	58
43	58	89	94	53
47	51	90	87	53
50	56	89	75	55
62	69	101	64	53
64	74	94	65	51
67	76	91	66	50
67	70	98	67	56
63	75	97	69	59
68	81	96	70	70
69	93	96	75	33
70	104	88	79	25
83	98	91	79	63
87	88	96	83	60
90	81	96	91	50
91	85	40	88	39
91	83	0	87	37
88	83	0	32	39
91	78	0	43	39
97	89	49	67	36
92	.....	107	72	.....
49	78	80	80	57
97	118	107	98	79
0	43	0	32	25
3010	4614	4933	4891	3412

Area reported 1798 acres. Acreage Reported
 Water diverted—incomplete record—1624 A. F. A-1742 (O.D. D-800)
 Per acre 0.91 A. F. No report filed.

Water diverted 20860 A. F.

*No record. D-791 951
 D-789 847

Total 1798

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

MINATARE CANAL SPILL TO NORTH PLATTE RIVER McGrew Spillway—Sec. 21-21-53 W.					
Date	May	June	July	Aug.	Sept.
1	0	0	0	0	32
2	1	0	0	0	32
3	1	0	0	0	13
4	1	0	0	0	28
5	0	0	0	13	22
6	1	0	0	13	33
7	1	9	0	7	30
8	1	15	0	15	41
9	1	10	0	0	23
10	1	17	0	0	34
11	16	15	0	0	26
12	13	11	0	0	11
13	3	11	0	11	20
14	9	9	0	0	27
15	9	1	0	0	43
16	12	5	0	0	28
17	6	2	0	0	11
18	5	1	0	0	15
19	7	2	0	0	16
20	0	0	3	0	20
21	0	0	0	16	40
22	0	0	9	14	0
23	0	0	8	13	41
24	0	1	8	5	43
25	0	0	9	17	34
26	0	0	0	13	27
27	0	1	0	19	27
28	0	0	0	20	24
29	0	0	0	0	24
30	0	0	0	36	22
31	0	....	8	32	....
Mean	3	4	1	8	27
Max.	16	17	9	36	44
Min.	0	0	0	0	0
A.F.	175	219	89	484	1577
Total acre-feet 2544.					

MINATARE CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River.....	3010	4614	4933	4891	3412	20860
Spill to North Platte River.....	175	219	89	484	1577	2544
Net diverted	2835	4395	4844	4407	1835	18316

Area reported 7120 acres.
 Net diverted 18316 A. F.
 Per acre 2.58 A. F.

Acres Reported
 D-919 7120

DEPARTMENT OF ROADS AND IRRIGATION

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

MITCHELL CANAL										
Diverted from North Platte River										
Date	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.		
1	124	51	64	0	146	6.4	3.1	2.0		
2	192	50	58	0	194	6.2	3.1	2.0		
3	199	61	51	0	193	6.2	3.1	2.0		
4	195	69	50	0	193	6.2	3.0	2.0		
5	190	68	50	0	195	6.2	3.0	2.0		
6	189	68	19	0	192	6.0	3.0	2.0		
7	157	81	5	0	200	33	3.0	2.0		
8	141	86	5	0	201	145	3.0	2.0		
9	141	91	0	0	200	192	3.0	2.0		
10	141	98	0	0	194	103	3.0	2.0		
11	138	98	0	0	190	12	3.0	2.0		
12	128	98	0	0	189	12	3.0	2.0		
13	123	99	0	0	193	7.0	3.0	2.0		
14	95	107	0	0	192	6.0	3.0	2.0		
15	18	106	0	0	193	6.0	2.5	2.0		
16	6	110	0	71	192	5.0	2.5	2.0		
17	5	123	0	99	194	4.5	2.5	2.0		
18	4	124	0	98	194	4.0	2.5	2.0		
19	4	123	0	149	196	3.6	2.5	2.0		
20	4	123	0	173	196	3.6	2.5	2.0		
21	3	125	0	174	195	3.7	2.5	1.9		
22	3	121	0	177	195	3.7	2.5	1.9		
23	2	117	0	178	194	3.7	2.0	1.9		
24	1	115	0	182	194	3.4	2.0	1.9		
25	1	107	0	189	194	3.0	2.0	1.9		
26	0	104	0	190	123	3.0	2.0	1.9		
27	0	95	0	185	7.0	3.0	2.0	1.9		
28	0	89	0	187	7.0	3.0	2.0	1.9		
29	43	85	0	135	6.5	3.0	2.0	1.9		
30	55	79	0	115	6.5	3.1	1.9	1.9		
31	52	.....	0	118	.....	3.1	1.9	.....	
Mean	75.9	95.7	9.7	78.1	165	19.7	2.6	1.9		
Max.	199	125	64	190	201	192	3.1	2.0		
Min.	0	50	0	0	6.5	3.0	1.9	1.9		
A.F.	4670	5690	599	4800	9840	1210	159	117		
Area reported 13841 acres.							Acreage Reported			
Water diverted 27080 A. F.							Not Adjudicated 13841			
Per acre 1.95 A. F.										

MUTUAL CANAL					
Diverted from Pumpkinseed Creek					
Date	May	June	July	Aug.	Sept.
1	0	4	0	3	0
2	0	4	0	0	0
3	0	4	0	0	0
4	0	4	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	3	0	0
10	0	0	3	0	3
11	0	0	3	0	3
12	0	0	5	0	3
13	0	0	5	0	3
14	0	2	4	0	3
15	4	2	2	0	2
16	4	2	2	0	2
17	4	1	3	0	2
18	4	4	2	0	2
19	4	0	3	0	2
20	4	0	3	0	2
21	6	0	3	0	2
22	6	0	3	0	2
23	6	0	3	0	2
24	4	0	5	0	2
25	4	0	4	0	2
26	4	0	3	0	2
27	4	0	3	0	2
28	4	0	3	0	2
29	5	3	4	0	2
30	4	0	3	0	2
31	4	.....	3	0	.....
Mean	3	1	2	0.1	1
Max.	6	4	5	3	3
Min.	0	0	0	0	0
A.F.	157	60	149	6	83
Area reported 455 acres.					
Water diverted 455 A. F.					
Per acre 1.00 A. F.					

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

NEWTON CANAL					NINE MILE CANAL						
Diverted from North Loup River		Diverted from North Platte River			Diverted from North Loup River		Diverted from North Platte River				
Date	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.
1	0	*	*	*	26	54	1	13	0	0	0
2	*	*	*	20	25	43	1	13	1	0	0
3	*	*	27	20	25	44	1	16	0	0	0
4	*	*	*	19	24	45	0	52	0	0	0
5	*	*	*	19	16	44	0	93	0	0	0
6	*	*	*	20	17	44	0	53	0	0	0
7	*	*	*	19	17	43	0	56	34	0	0
8	*	*	*	18	17	34	0	51	0	0	0
9	*	*	*	19	16	24	0	32	0	0	0
10	*	*	*	19	17	0	0	58	0	0	0
11	*	*	*	16	17	0	0	71	0	9	0
12	*	*	*	16	17	2	0	50	0	2	0
13	*	*	*	17	17	2	0	71	0	2	0
14	*	*	*	18	16	2	0	59	0	2	0
15	*	*	*	18	11	2	62	59	0	2	30
16	*	*	*	16	11	2	59	75	0	2	63
17	*	*	*	16	11	2	65	56	0	0	47
18	*	*	*	17	12	2	60	44	0	1	31
19	*	*	*	18	12	2	55	38	0	2	47
20	*	*	*	26	14	2	41	18	0	2	59
21	*	*	*	28	13	2	25	0	0	2	78
22	*	*	*	27	14	2	2	0	0	0	88
23	*	*	*	27	14	2	12	0	0	1	84
24	*	*	19	28	14	2	16	0	0	1	94
25	*	*	*	28	14	2	0	0	0	1	79
26	*	*	*	29	14	0	12	0	0	0	81
27	*	*	*	29	12	0	12	1	4	0	82
28	*	*	*	29	14	0	12	0	11	0	77
29	*	*	*	28	0	0	12	0	0	0	71
30	*	*	*	27	0	0	21	0	0	0	71
31	18	....	*	28	....	0	12	....	0	0	....
Mean	*	*	*	21	15	13	15	32	2	1	36
Max.	*	*	*	29	26	54	65	93	34	9	91
Min.	*	*	*	16	0	0	0	0	0	0	0
A.F.	*	*	*	1307	887	798	954	1948	99	58	2152

Area reported 1240 acres.
Water diverted—incomplete record—2194 A. F.

Water diverted 6009 A. F.

*No record.	Acreage Reported	
	A-2263	1120
	A-2863 No report filed	
	A-2927	120
	Total	1240

NINE MILE CANAL		
Diverted from Nine Mile Drain		
Date	May	June
1	0	2
2	0	2
3	0	5
4	0	5
5	0	5
6	0	5
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25	0	0
26	0	0
27	10	0
28	4	0
29	4	0
30	3	0
31	2	....
Mean	1	1
Max.	10	5
Min.	0	0
A.F.	46	48

Water diverted—estimated 94 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

NINE MILE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River.....	798	954	1948	99	58	2152	6009
Nine Mile Drain*.....	0	46	48	0	0	0	94
Total diverted	798	1000	1996	99	58	2152	6103

Area reported 5878 acres.

Water diverted 6103 A. F.

Per acre 1.04 A. F.

*Estimated.

Acreage Reported
D-925 5878NORTH LOUP RIVER PUBLIC POWER AND
IRRIGATION DISTRICT
TAYLOR-ORD CANAL

Date	Diverted from North Loup River						
	Oct.	Apr.	May	June	July	Aug.	Sept.
1	65	0	125	126	117	112	126
2	68	0	120	125	116	113	126
3	74	0	101	128	116	131	125
4	71	0	98	70	117	135	125
5	75	0	89	94	120	131	125
6	75	21	82	92	127	137	126
7	77	44	81	90	128	138	126
8	79	51	82	90	129	136	128
9	85	61	85	0	130	138	129
10	83	61	86	0	130	140	126
11	89	65	88	0	131	138	125
12	106	69	89	0	133	138	126
13	109	85	87	0	133	138	125
14	113	86	88	51	137	135	125
15	115	103	87	70	135	130	125
16	158	108	89	70	135	126	126
17	124	108	87	70	132	126	125
18	125	134	85	77	131	135	124
19	121	135	84	89	128	126	134
20	119	132	84	90	125	125	137
21	118	130	84	92	125	122	131
22	115	131	85	94	124	128	135
23	114	131	85	93	125	128	135
24	116	134	83	94	138	129	133
25	120	133	84	96	141	128	126
26	119	130	85	94	141	128	128
27	118	132	89	96	144	124	125
28	118	137	100	113	144	125	124
29	116	130	103	116	141	124	126
30	105	126	125	117	144	124	124
31	48	.....	126	.....	150	126	.....
Mean	100	86	92	78	131	130	127
Max.	128	137	126	128	150	140	137
Min.	65	0	81	0	116	112	124
A.F.	6165	5111	5685	4635	8067	7962	7579
Water diverted	45204 A. F.						

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

NORTH LOUP RIVER PUBLIC POWER AND
IRRIGATION DISTRICT
BURWELL-SUMTER CANAL

Diverted from North Loup River							
Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	23	18	80	38	36	59	64
2	25	18	70	42	31	68	58
3	27	21	59	38	38	58	56
4	31	23	30	26	36	67	57
5	29	25	58	31	36	70	59
6	26	48	54	29	43	68	60
7	28	71	55	28	56	67	57
8	27	71	50	34	60	67	60
9	24	70	51	0	61	62	60
10	31	78	53	0	61	60	60
11	37	74	51	0	62	60	60
12	43	73	50	0	61	60	60
13	49	69	17	0	64	62	61
14	53	69	46	0	70	59	61
15	63	76	49	6	73	58	60
16	39	76	50	12	74	56	55
17	40	79	50	18	74	57	53
18	36	80	48	32	70	62	52
19	30	78	40	29	74	66	52
20	34	79	41	34	75	62	54
21	30	78	41	35	71	65	53
22	24	79	42	33	72	67	51
23	27	73	43	31	70	67	52
24	31	81	41	33	69	65	51
25	27	78	39	31	75	63	48
26	28	81	39	31	78	63	53
27	71	81	38	31	75	63	57
28	53	76	37	29	73	61	59
29	49	78	37	33	71	63	59
30	63	77	37	33	70	62	60
31	39	....	36	....	62	59	....
Mean	37	66	48	24	63	62	57
Max.	71	81	80	42	78	70	64
Min.	23	18	36	0	34	56	48
A.F.	2255	3923	2959	1422	3868	3860	3376
Water diverted	21663 A. F.						

NORTH LOUP RIVER PUBLIC POWER AND
IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL

Diverted from North Loup River							
Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	17	4	56	33	47	66	70
2	17	10	53	30	49	69	69
3	17	9	34	34	47	64	65
4	16	9	33	0	48	64	66
5	18	10	31	0	46	65	65
6	22	16	30	0	47	66	66
7	23	20	31	0	55	65	65
8	21	24	31	0	55	58	66
9	27	25	31	0	54	57	67
10	28	26	31	0	56	59	68
11	28	24	28	0	60	59	72
12	25	24	28	0	58	62	67
13	25	31	31	0	59	65	66
14	27	33	18	0	61	66	62
15	32	39	25	12	61	68	64
16	33	41	26	26	61	65	61
17	37	42	28	26	53	66	57
18	41	41	26	28	61	61	57
19	43	51	24	27	61	59	52
20	44	53	24	27	60	62	47
21	44	55	24	27	63	65	39
22	47	57	24	27	62	66	39
23	50	59	24	26	61	69	40
24	51	59	23	28	63	68	41
25	53	59	23	27	63	65	44
26	55	57	23	28	66	67	47
27	54	59	24	31	73	68	48
28	55	59	23	41	67	69	46
29	57	57	23	41	66	68	46
30	57	56	29	41	58	68	45
31	38	....	30	....	69	68	....
Mean	36	37	29	19	59	65	57
Max.	57	59	56	41	73	69	72
Min.	16	4	18	0	46	57	39
A.F.	2186	2200	1763	1111	3600	3981	3386
Water diverted	18227 A. F.						

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.	Total
Diversions:—									
Taylor-Ord Canal	6165	0	5111	5685	4635	8067	7962	7579	45204
Burwell-Sumter Canal	2255	0	3923	2959	1422	3868	3860	3376	21663
Ord-North Loup Canal	2186	0	2200	1763	1111	3600	3981	3386	18227
Total diverted	10606	0	11234	10407	7168	15535	15803	14341	85094
Return through spillways:—									
Taylor-Ord Canal	77	0	1702	2279	1563	643	72	119	6455
Burwell-Sumter Canal	129	0	2459	2110	808	571	81	95	6253
Ord-North Loup Canal	58	0	678	922	382	226	22	756	3044
Total through spillways	264	0	4839	5311	2753	1440	175	970	15752
Net diverted	10342	0	6395	5096	4415	14095	15628	13371	69342
Area reported 22058 acres.								Acreage Reported	
Net diverted 69342 A. F.								A-2312	21875
Per acre 3.14 A. F.								A-2417	183
							Total	22058	

NORTH PLATTE CANAL
Diverted from North Platte River

Date	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1	95	0	0	0	124	171	139	182	147
2	94	0	0	0	162	202	176	169	148
3	113	0	0	0	137	199	146	198	141
4	137	0	0	0	106	203	129	202	191
5	138	0	0	0	84	152	133	189	191
6	140	0	0	0	94	0	150	164	194
7	145	0	0	0	130	0	152	116	173
8	142	0	0	0	160	0	188	98	185
9	85	0	0	0	184	0	201	78	198
10	63	0	0	0	189	0	185	80	196
11	62	0	0	0	181	0	167	58	160
12	70	0	50	0	118	0	134	46	158
13	68	0	90	0	196	57	130	48	167
14	65	0	116	0	181	89	164	38	176
15	30	0	104	0	194	74	177	30	154
16	37	0	78	0	198	63	158	28	167
17	72	0	98	0	190	106	90	41	196
18	64	0	104	0	138	173	63	45	173
19	29	0	103	0	99	171	41	30	141
20	26	0	108	0	122	176	43	32	180
21	27	0	106	0	126	175	50	36	122
22	25	0	100	0	132	176	41	39	78
23	20	0	50	0	171	148	152	41	80
24	10	0	0	0	192	160	118	38	143
25	0	0	0	0	159	86	124	43	133
26	0	0	0	0	130	70	80	57	115
27	0	0	0	0	171	84	79	41	154
28	0	0	0	0	150	108	90	90	104
29	0	0	0	0	135	143	130	159	66
30	0	0	0	20	169	168	120	174	108
31	0	0	0	0	185	0	192	125	0
Mean	57	0	36	1	153	105	128	88	151
Max.	145	0	116	20	198	203	201	202	198
Min.	0	0	0	0	84	0	41	28	66
A.F.	3485	0	2196	40	9396	6256	7878	5386	9003
Water diverted 43640 A. F.									

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

NORTH PLATTE CANAL SPILL TO NORTH PLATTE RIVER Cooks Spillway—Sec. 26-14-31 W.						NORTH PLATTE CANAL SPILL To Scout Creek—Sec. 24-14-31 W.					
Date	May	June	July	Aug.	Sept.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	2	0	0
2	0	3	0	0	0	0	0	0	21	0	0
3	1	0	0	0	0	0	21	0	10	0	0
4	29	0	0	0	0	0	26	16	0	0	0
5	12	7	3	0	0	0	8	16	0	0	0
6	2	4	4	0	0	0	6	0	0	0	0
7	0	2	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0	0	5
11	1	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0
13	0	2	0	0	0	0	0	0	0	0	0
14	2	62	0	0	1	0	0	12	0	0	0
15	2	65	0	0	2	0	0	12	0	0	10
16	0	19	0	0	0	0	0	7	0	0	0
17	0	4	0	0	0	0	0	6	0	0	0
18	2	1	0	0	0	0	0	6	0	0	0
19	2	4	0	0	0	0	0	7	0	0	0
20	2	0	0	0	1	0	0	0	0	0	2
21	2	0	0	0	9	0	12	0	0	0	5
22	9	0	0	0	0	0	0	0	0	0	C
23	7	0	0	0	0	0	6	0	0	0	0
24	4	0	0	0	0	0	19	0	0	0	0
25	1	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	10	0	0	0	0
27	0	0	0	0	0	0	2	0	0	0	0
28	0	0	0	0	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0
31	0	.....	0	0	.....	.....	0	.....	0	0	.....
Mean	2	6	0.2	0	0.5	.....	4	3	1	0	1
Max.	29	65	4	0	9	0	26	16	21	0	10
Min.	0	0	0	0	0	0	0	0	0	0	0
A.F.	157	343	16	0	28	0	224	163	65	0	44
Total acre-feet	544.					496.					

NORTH PLATTE CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:--										
No. Platte River	3485	0	2196	40	9396	6256	7878	5386	9003	43640
Spill to:--										
Scout Creek	*	0	*	0	224	163	65	0	44	496
No. Platte River (Cooks Spillway).....	*	0	*	0	157	343	16	0	28	544
Total spill....	*	0	*	0	381	506	81	0	72	1040
Net diverted	3485	0	2196	40	9015	5750	7797	5386	8931	42600

Area reported 13792 acres.

Net diverted 42600 A. F.

Per acre 3.09 A. F.

*No record.

Acreage Reported
13792

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

NORTHPORT CANAL					
Diverted from North Platte River and Pathfinder Reservoir					
Measured at Tri-State Rating Flume					
Date	May	June	July	Aug.	Sept.
1	0	0	200	286	0
2	0	0	200	257	0
3	0	37	200	257	0
4	0	181	200	257	0
5	0	277	200	257	0
6	0	193	0	257	0
7	0	0	0	257	0
8	0	0	0	257	0
9	0	0	0	257	0
10	0	0	0	257	0
11	0	0	0	257	0
12	0	0	0	257	0
13	0	0	0	257	0
14	0	0	0	257	0
15	0	100	0	257	0
16	0	100	0	257	0
17	0	100	0	257	0
18	0	100	0	257	0
19	0	100	0	257	0
20	0	100	257	212	0
21	0	100	257	0	0
22	0	100	257	0	0
23	0	160	257	0	0
24	0	200	257	0	0
25	0	61	257	0	0
26	0	288	257	0	0
27	0	200	276	0	0
28	0	200	297	0	0
29	0	200	286	0	0
30	0	200	286	0	0
31	0	.....	286	0	.....
Mean	0	100	136	165	0
Max.	0	288	297	286	0
Min.	0	0	0	0	0
A.F.	0	5944	8390	10163	0
Water diverted 24497 A.F. including storage.					

NORTHPORT CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Total diverted	0	5944	8390	10163	0	24497
Spill to:—						
Indian Creek	0	0	0	0	0	0
Upper Dugout Creek	0	0	0	0	0	0
Silvernail Drain	0	0	0	0	0	0
Total spill	0	0	0	0	0	0
Net diverted	0	5944	8390	10163	0	24497

Area reported 16123 acres.

Net diverted 24497 A. F. including storage.

Per acre 1.52 A. F.

Storage diverted 23133 A. F.

Acreage Reported
A-768 16123

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

OLIVER RESERVOIR—KIMBALL IRRIGATION DISTRICT
Diverted from Lodgepole Creek, Storage in acre-feet

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	750								3580			
2			1910			3170						
3					2710						150	
4		1465						4030				
5						3245						
6				2425						2110		
7	865											445
8									3540			
9			2050			3290	3734					
10											375	
11		1585						4060				
12												
13				2500								
14	1030											145
15								3800	3550			
16			2110			3410						
17					2870						485	
18		1675						4075				
19												
20				2575			3865			1480		
21	1185											330
22									2655			
23			2195			3570						
24					2990						200	
25	1770											
26								4060				
27				2630			3900			840		
28												520
29	1335								2350			
30			2340			3635						580
31											260	

ORCHARD-ALFALFA CANAL.

Diverted from Platte River and Sutherland Reservoir

Date	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1	0	71	77	0	43	0	0	0	0
2	4	66	58	0	53	0	0	0	0
3	9	66	70	0	46	0	0	0	0
4	19	66	69	0	50	0	0	0	0
5	25	65	66	0	47	0	0	0	0
6	26	64	68	0	49	0	0	0	0
7	32	66	68	0	53	13	0	0	0
8	37	68	69	0	57	16	0	0	0
9	46	70	68	0	55	13	0	0	0
10	48	70	69	0	56	13	0	0	0
11	41	75	65	0	55	6	0	0	0
12	0	72	64	0	53	15	0	0	0
13	0	70	63	0	43	17	0	0	0
14	0	70	64	0	38	11	36	0	0
15	0	77	55	11	43	12	36	0	0
16	48	73	56	19	52	22	29	0	0
17	55	71	56	16	0	21	25	0	0
18	56	75	54	18	0	13	23	0	0
19	62	74	50	17	0	5	33	0	0
20	64	71	51	17	0	0	40	0	0
21	64	74	47	20	0	0	49	0	0
22	64	75	18	20	0	0	52	0	0
23	66	77	3	20	0	0	75	0	0
24	65	76	0	20	0	0	90	0	0
25	70	76	0	22	0	0	22	0	0
26	73	77	0	22	0	0	0	0	0
27	67	71	0	19	0	0	0	0	0
28	60	67	0	25	0	0	0	0	0
29	67	74	0	28	0	0	0	0	0
30	67	76	0	42	0	0	0	0	0
31	63	.....	0	.....	0	.....	0	0	.....
Mean	42	71	43	11	26	6	16	0	0
Max.	73	77	77	42	57	22	90	0	6
Min.	0	64	0	0	0	0	0	0	0
A.F.	2574	4250	2640	672	1573	351	1012	0	0
Area reported 5950 acres.								Acreage Reported	
Water diverted 13072 A. F. including storage.								D-627 5950	
Per acre 2.20 A. F.									
Storage diverted 1012 A. F.									

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

OSHKOSH CANAL						
Diverted from North Platte River						
Date	Oct.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0
2	12	0	0	0	0	0
3	13	0	0	0	0	0
4	13	0	0	0	0	0
5	12	0	0	0	0	0
6	12	0	0	0	0	0
7	13	0	0	0	0	0
8	14	0	0	0	0	0
9	15	0	0	0	0	0
10	12	0	0	0	0	0
11	7	0	0	0	0	0
12	2	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	0	0	0	0
15	0	0	0	0	0	0
16	2	0	0	0	0	0
17	5	0	0	0	0	0
18	5	0	0	0	0	0
19	5	0	0	0	0	0
20	6	0	0	0	0	0
21	5	0	0	0	0	0
22	5	0	0	0	0	0
23	4	0	0	0	0	0
24	5	0	0	0	0	0
25	4	0	0	0	0	0
26	3	0	0	0	0	0
27	3	0	0	0	0	0
28	3	0	0	0	0	0
29	2	0	0	0	0	0
30	3	0	0	0	0	0
31	3	0	0	0	0	0
Mean	6	0	0	0	0	0
Max.	15	0	0	0	0	0
Min.	0	0	0	0	0	0
A.F.	373	0	0	0	0	0

Area reported 2860 acres.
Water diverted 373 A. F.
Per acre 0.13 A. F.

OTTER CREEK CANAL				
Diverted from Otter Creek				
May	June	July	Aug.	Sept.
1	1	1	0	0
2	1	1	0	0
3	1	1	0	0
4	1	1	0	0
5	1	1	0	0
6	0	0	0	0
7	0	0	0	0
8	0	0	0	0
9	0	0	0	0
10	0	0	0	0
11	0	0	0	0
12	0	0	0	0
13	0	0	0	0
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	0	0	0	0
18	0	0	0	0
19	0	0	0	0
20	0	0	0	0
21	0	0	0	0
22	0	0	0	0
23	0	0	0	0
24	0	0	0	0
25	4	0	0	0
26	0	0	0	0
27	2	0	0	0
28	2	0	0	0
29	2	0	0	0
30	2	0	0	0
31	2	0	0	0
Mean	0.5	0.1	0	0
Max.	4	1.0	0	0
Min.	0	0	0	0
A.F.	36	8	0	0

Area reported 1010 acres.
Water diverted 44 A. F.
Per acre 0.02 A. F.

Acreage Reported	
D-797	2698
A-243R	162
Total	2860

Acreage Reported	
D-1032	233
A-1240	60
A-1R	717
Total	1010

OWASCO CANAL						
Diverted from Lodgepole Creek						
Date	Oct.	May	June	July	Aug.	Sept.
1	3	*	4	3	3	2
2	3	*	4	3	3	3
3	3	*	4	3	3	3
4	3	*	4	3	3	3
5	4	*	0	3	4	3
6	4	*	0	1	4	3
7	4	*	0	2	4	3
8	4	*	0	2	4	3
9	*	*	0	2	4	3
10	*	*	0	2	3	3
11	*	*	0	2	3	3
12	*	0	0	3	3	2
13	*	0	4	2	3	2
14	*	0	5	3	3	3
15	*	2	5	3	3	3
16	*	1	5	3	3	3
17	*	2	5	2	4	3
18	*	1	4	2	4	3
19	*	1	5	3	4	3
20	*	1	0	3	4	3
21	*	1	2	3	4	3
22	*	2	3	3	4	3
23	*	2	4	3	3	3
24	*	2	4	3	3	3
25	*	3	3	3	3	3
26	*	3	2	3	3	0
27	*	3	3	3	3	0
28	*	4	3	3	3	0
29	*	4	2	3	3	0
30	*	3	2	3	3	0
31	*	4	.....	3	3	.....
Mean	*	*	3	3	3	3
Max.	*	*	5	3	4	3
Min.	*	*	0	1	3	0
A.F.	56	77	153	165	210	143

Water diverted—Incomplete record—

804 A. F.

*No record.

(See next page for summary in acre-feet of Owasco Canal.)

OWASCO CANAL						
(BAY STATE LATERAL)						
Diverted from Lodgepole Creek						
Oct.	May	June	July	Aug.	Sept.	
9.9	*	1.2	1.2	1.2	1.3	
1.2	*	1.2	1.2	1.2	2.9	
1.2	*	1.2	1.0	1.3	3.7	
1.2	*	1.2	.6	1.3	1.2	
1.3	*	.0	.0	1.2	1.3	
1.7	*	.0	.5	1.2	1.2	
1.6	*	.0	.7	1.3	1.2	
1.6	*	.0	1.2	1.3	1.2	
*	*	.0	1.2	1.3	1.2	
*	*	.0	1.2	1.3	1.7	
*	*	.0	1.2	1.3	1.8	
*	0.0	.0	.7	1.2	1.2	
*	0.0	.9	1.3	1.2	1.7	
*	1.8	1.2	1.4	.0	1.7	
*	2.2	1.3	2.4	.0	1.7	
*	1.6	1.3	2.2	.7	1.7	
*	1.6	1.3	.0	.0	.0	
*	1.6	.6	.0	1.3	.0	
*	1.7	.5	.0	1.2	.3	
*	.9	.0	.0	1.3	.7	
*	1.3	.0	.0	1.2	.0	
*	1.2	1.2	1.2	1.2	.0	
*	1.2	1.2	.7	1.2	.0	
*	2.3	1.2	.7	1.2	.0	
*	1.2	1.2	1.2	.6	.0	
*	1.2	1.2	1.1	1.2	.0	
*	1.2	1.2	1.2	1.2	.0	
*	1.2	.5	.7	1.4	.0	
*	1.2	1.2	1.2	1.3	.0	
*	1.2	1.2	.7	1.7	.0	
*	1.2	.....	.6	1.3	.....
*	*	0.7	0.8	1.1	0.9	
*	*	1.3	2.4	1.4	3.7	
*	*	.0	.0	.0	.0	

Water diverted—Incomplete record—

293 A. F.

*No record.

No report filed

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

OWASCO CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from Lodgepole Creek.....	*56	*77	153	165	210	143	844
Diverted for D-347 Bay State Lateral	*22	*52	44	52	68	55	293
Net diverted to A-725.....	34	25	109	113	132	88	511

Area reported 689 acres.
Net diverted 511 A. F.
Per acre 1.35 A. F.
*Incomplete record.

Acreeage Reported
A-725 689
D-347 No report filed

PAISLEY CANAL

Diverted from Blue Creek and Crescent Lake—A-1575

Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	0	14	0	10	0	0	0	0
2	13	15	0	10	0	0	0	0
3	12	15	0	10	0	0	0	0
4	12	14	0	10	0	0	0	0
5	13	15	0	10	0	0	0	0
6	13	15	0	12	0	0	0	0
7	12	11	0	14	7	0	0	0
8	13	10	0	14	12	0	0	0
9	2	8	0	14	13	0	0	0
10	12	7	0	14	13	0	0	0
11	12	7	0	14	13	0	0	0
12	12	8	0	14	13	0	0	0
13	13	8	0	5	13	0	0	0
14	0	6	0	8	13	0	0	0
15	0	5	0	14	13	0	0	0
16	2	5	0	14	12	0	0	0
17	10	5	0	7	8	0	0	0
18	14	5	0	0	0	0	0	0
19	14	5	0	0	0	0	0	0
20	12	5	0	0	0	0	0	0
21	15	5	0	0	0	0	0	0
22	15	5	6	0	0	0	0	0
23	12	5	10	0	0	0	0	0
24	9	0	9	0	0	0	0	0
25	9	0	10	0	0	0	0	0
26	8	0	10	0	0	0	0	0
27	8	0	9	0	0	0	0	0
28	8	0	9	0	0	0	0	3
29	8	0	10	0	0	0	0	8
30	8	0	10	0	0	0	0	9
31	10	....	....	0	....	0	0	....
Mean	10	7	3	6	4	0	0	1
Max.	15	15	10	14	13	0	0	9
Min.	0	0	0	0	0	0	0	0
A.F.	597	393	165	385	258	0	0	40

Area reported 1072 acres.
Water diverted 1838 A. F.
Per acre 1.71 A. F.
No diversions from Crescent Lake.

Acreeage Reported
D-800 815
A-515 95
A-1738 162

Total 1072

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

PATRICK CANAL					
Diverted from Sand Creek					
Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	1	0	0	0	0
3	1	0	0	0	0
4	1	2	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	2	0	0	0	0
8	2	0	0	0	0
9	1	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	3	0	0	0
14	0	3	2	0	0
15	0	0	2	0	0
16	0	3	2	0	0
17	0	3	1	0	0
18	0	2	0	0	0
19	0	1	0	0	0
20	0	1	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	2	0	2	0	0
27	2	0	0	0	0
28	2	0	0	0	0
29	0	9	0	0	0
30	0	0	0	0	0
31	0	.....	0	0	.....
Mean	0.5	0.6	0.2	0	0
Max.	2	3	2	0	0
Min.	0	0	0	0	0
A.F.	32	36	14	0	0

Area reported 170 acres.
 Water diverted 82 A. F.
 Per acre 0.48 A. F.

Acreage Reported
 D-725 No report filed

PAXTON-HERSHEY SPILL
 To North Platte River—
 Sec. 14-14-32 W.

PAXTON-HERSHEY CANAL							
Diverted from North Platte River							
Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	63	0	46	0	0	6	0
2	61	0	59	0	0	5	0
3	60	0	59	0	0	9	0
4	61	0	56	0	0	32	4
5	63	0	51	0	0	30	23
6	63	9	58	32	0	8	12
7	65	0	41	22	0	0	1
8	66	0	24	29	0	0	0
9	71	0	27	36	0	0	0
10	77	0	93	45	0	0	16
11	66	15	103	53	11	0	0
12	68	30	123	42	5	0	0
13	67	38	103	24	32	0	0
14	68	39	117	21	44	0	0
15	70	44	128	52	106	0	0
16	69	45	123	89	17	0	2
17	63	42	123	35	0	0	13
18	50	44	112	42	0	0	8
19	42	44	104	106	0	0	2
20	42	45	105	38	0	0	2
21	43	42	94	0	0	0	10
22	45	41	97	0	0	0	47
23	46	41	67	0	0	0	53
24	46	38	68	0	0	0	26
25	17	49	64	0	0	0	18
26	0	38	74	0	0	0	39
27	0	55	17	0	0	0	23
28	0	39	7	0	0	0	53
29	0	38	0	0	8	0	93
30	0	42	0	0	40	0	108
31	0	.....	0	.....	17	.....	.....
Mean	47	26	69	22	9	3	17
Max.	77	55	128	106	106	32	108
Min.	0	0	0	0	0	0	0
A.F.	2880	1605	4229	1321	555	179	1065

Total acre-feet 253.

Water diverted 11854 A. F.

(See next page for summary in acre-feet of Paxton-Hershey Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

PAXTON-HERSHEY CANAL
SUMMARY IN ACRE-FEET

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from No. Platte River	2880	1605	4249	1321	555	179	1065	11854
Return through spillway.....	*	*	138	115	0	0	0	253
Net diverted	2880	1605	4111	1206	555	179	1065	11601

Area reported 7458 acres.
Net diverted 11601 A. F.
Per acre 1.55 A. F.
*No record.

Acreage Reported
D-653 7458

PHELPS COUNTY CANAL
Diverted from Platte River

Date	Mar.	Apr.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	0	327	549	0	0	0	0	0	16	0	0	5
2	0	301	496	0	0	0	0	0	17	0	0	5
3	0	365	368	0	0	0	0	0	16	0	0	5
4	0	333	323	0	0	0	0	0	18	0	0	5
5	0	333	327	0	0	0	0	0	17	0	0	5
6	0	439	376	0	0	0	0	16	17	0	0	5
7	0	420	332	0	0	0	0	9	7	0	0	5
8	0	390	175	0	0	0	0	8	9	0	0	4
9	0	389	0	0	0	0	0	11	8	0	0	3
10	0	415	0	0	0	0	0	7	21	0	0	3
11	0	423	0	0	0	0	0	0	12	0	0	2
12	0	420	0	0	0	0	0	0	8	0	0	1
13	0	429	0	0	0	0	0	0	8	0	0	0
14	0	379	0	0	0	0	0	0	7	0	0	0
15	0	494	0	0	0	0	0	0	7	0	0	0
16	0	532	0	0	0	0	0	0	7	0	5	0
17	0	551	0	0	0	0	0	0	7	0	3	0
18	61	536	0	0	0	0	0	0	7	0	3	0
19	105	599	0	0	0	0	0	0	7	0	3	0
20	127	569	0	0	0	0	0	0	23	0	4	0
21	90	599	0	0	0	0	0	0	22	0	4	0
22	136	606	0	0	0	0	0	0	24	0	4	1
23	115	531	0	0	0	0	0	0	23	0	4	1
24	136	549	0	0	0	0	0	3	20	0	3	1
25	108	576	0	0	0	0	0	3	21	0	4	2
26	148	584	0	0	0	0	0	3	10	0	4	2
27	166	535	0	0	0	0	0	0	0	0	4	2
28	181	474	0	0	0	0	0	0	0	0	4	2
29	181	528	0	0	0	0	0	4	0	0	4	2
30	188	561	0	0	0	0	0	4	0	0	4	2
31	249	.....	0	.....	0	0	.....	13	.....	0	4	.....
Mean	64	473	95	0	0	0	0	3	12	0	2	.....
Max.	249	606	549	0	0	0	0	16	24	0	5	5
Min.	0	301	0	0	0	0	0	0	0	0	0	0
A.F.	3949	28139	5843	0	0	0	0	161	712	0	121	125

Area reported 96559 acres.
Water diverted 37931 A. F.
Per acre 0.40 A. F.

Acreage Reported
A-2355 96559

Area reported 1848 acres.
Water diverted 1119 A. F.
Per acre 0.60 A. F.

Acreage Reported
D-945 1622
D-918R 225

Total 1848

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

Date	RIVERSIDE CANAL					River	Aug.	Sept.
	Oct.	Nov.	Apr.	May	June			
1	*	14	*	*	*	*	*	*
2	20	*	*	*	*	*	*	*
3	21	*	12	*	*	*	12	*
4	*	*	*	*	*	*	10	18
5	*	*	*	*	*	*	10	*
6	17	*	*	*	10	17	0	*
7	15	16	*	*	*	*	0	*
8	14	*	*	*	*	*	*	*
9	0	*	*	*	*	*	*	*
10	17	*	*	10	*	*	0	15
11	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*
13	12	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*
15	10	*	*	*	*	*	*	*
16	*	*	*	*	*	*	10	*
17	*	*	*	*	*	*	*	*
18	*	*	16	*	*	5	16	*
19	*	*	*	*	0	0	*	*
20	*	*	*	*	*	*	17	*
21	*	*	*	*	*	*	*	14
22	0	*	*	17	*	0	*	*
23	*	14	*	*	*	*	16	*
24	*	*	*	*	*	4	*	*
25	*	*	*	*	*	*	9	*
26	*	*	*	*	0	0	*	18
27	0	*	*	*	0	16	13	*
28	*	17	*	*	*	15	*	*
29	*	*	*	13	16	4	13	*
30	*	*	*	*	*	*	16	*
31	0	....	....	*	....	14	*	....
Mean	*	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*	*
A.F.	*	*	*	*	*	*	*	*

Area reported 584 acres.
 Water diverted—incomplete record.
 *No record.

Acreage Reported	
D-18	382
A-1674	202
Total	584

Date	ROUND HOUSE ROCK CANAL				
	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	5	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	5	0	0	0	0
25	4	0	0	0	0
26	4	0	0	0	0
27	4	0	0	0	0
28	4	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	....	0	0	....
Mean	1	0	0	0	0
Max.	5	0	0	0	0
Min.	0	0	0	0	0
A.F.	52	0	0	0	0

Area reported 121 acres.
 Water diverted 52 A. F.
 Per acre 0.43 A. F.

Acreage Reported	
D-884	121

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

RUTTNER CANAL, NEW Diverted from Lodgepole Creek											
Date	Oct.	Nov.	Dec.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	0	0	0	0	3	2	2	1	1	1	
2	0	0	0	0	3	2	2	1	1	1	
3	0	0	0	0	3	2	2	1	1	1	
4	0	0	0	0	3	2	2	1	0	1	
5	0	0	0	0	3	2	2	1	0	1	
6	0	0	0	0	3	2	2	1	0	1	
7	0	0	0	0	3	2	2	1	0	1	
8	0	0	0	0	3	2	2	1	0	1	
9	0	0	0	0	3	2	2	1	0	1	
10	0	0	0	0	3	2	2	1	1	1	
11	0	0	0	0	3	2	2	1	1	0	
12	0	0	0	0	3	2	2	1	1	1	
13	0	0	0	0	3	2	2	1	1	1	
14	0	0	0	0	3	2	2	1	1	1	
15	0	0	0	0	3	2	3	1	1	1	
16	0	0	0	0	2	2	3	1	1	1	
17	0	0	0	0	2	2	3	1	1	1	
18	0	0	0	0	2	2	3	1	1	1	
19	0	0	0	0	2	2	3	1	1	1	
20	0	0	0	0	2	2	3	1	1	1	
21	0	0	0	3	2	2	4	1	1	1	
22	0	0	0	3	2	2	3	1	1	1	
23	0	0	0	3	2	2	3	1	1	1	
24	0	0	0	3	2	2	3	1	1	1	
25	0	0	0	3	2	2	3	1	1	1	
26	0	0	0	3	2	2	0	1	1	1	
27	0	0	0	3	2	2	0	1	1	1	
28	0	0	0	3	5	2	1	1	1	1	
29	0	0	0	3	3	2	1	1	1	1	
30	0	0	0	3	3	2	2	1	1	1	
31	0	0	0	3	3	2	2	1	1	1	
Mean	0	0	0	1	3	2	2	1	1	1	
Max.	0	0	0	3	3	3	4	1	1	1	
Min.	0	0	0	0	0	0	0	1	0	0	
A.F.	123	119	135	65	149	123	115	61	50	59	
Area reported 193.4 acres.								Acreage Reported			
Water diverted—estimated 999 A. F.								D-350R 22			
Per acre 5.16 A. F.								A-727 35.4			
								A-857 92			
								A-869 44			
								<hr/>			
								Total 193.4			

SCRIPTER CANAL Diverted from Clear Creek							
Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	1	0	0	0	0	0	0
4	1	0	0	0	0	0	0
5	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	1	0	0	0	0
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	1	1	0	0	0
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
23	0	1	0	0	0	0	0
24	0	2	0	0	0	0	0
25	0	1	0	0	0	0	0
26	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	6
Max.	1	2	1	1	0	0	0
Min.	0	0	0	0	0	0	0
A.F.	6	8	4	2	0	0	0
Area reported 175 acres.				Acreage Reported			
Water diverted 20 A. F.				A-2288 175			
Per acre 0.11 A. F.							

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

SHERIDAN-WILSON CANAL							
Diverted from North Platte River							
Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	7	0	6	8	0	0	7
2	6	0	6	7	0	0	3
3	5	0	3	10	0	0	0
4	4	0	3	3	0	1	3
5	4	0	5	0	0	6	6
6	5	0	6	0	0	10	4
7	7	0	6	0	0	4	0
8	7	0	6	0	0	0	0
9	9	0	10	0	0	0	0
10	6	0	6	0	5	0	2
11	0	0	6	0	6	0	8
12	0	0	6	0	8	0	8
13	0	0	12	0	8	0	8
14	0	0	11	0	8	0	8
15	0	0	5	0	8	0	8
16	0	0	7	0	6	0	8
17	0	0	11	3	0	0	7
18	0	0	10	10	0	0	6
19	0	0	6	9	0	0	8
20	0	0	1	8	0	0	9
21	0	0	0	4	0	0	7
22	0	0	4	0	0	0	8
23	0	0	6	0	0	0	9
24	0	0	5	0	0	0	9
25	0	0	3	0	0	0	10
26	0	0	3	0	0	0	9
27	0	0	4	0	0	0	8
28	0	0	4	0	0	0	8
29	0	2	8	0	0	0	9
30	0	6	5	0	0	3	9
31	0	.....	3	.....	0	6	.....
Mean	2	0	6	2	2	1	6
Max.	9	6	12	10	8	10	10
Min.	0	0	0	0	0	0	0
A.F.	119	16	351	123	97	59	375
Water diverted 1140 A. F.							

SHERIDAN-WILSON CANAL					
Diverted from Sarben Slough					
Date	May	June	July	Aug.	Sept.
1	0	3	0	0	1
2	0	3	0	0	1
3	0	3	0	0	1
4	0	3	0	1	1
5	0	0	0	1	1
6	0	0	0	1	1
7	0	0	0	1	1
8	0	0	0	0	1
9	0	0	0	0	1
10	0	0	2	0	1
11	0	0	2	0	1
12	0	0	1	0	1
13	0	0	1	0	1
14	0	0	1	0	1
15	0	0	9	0	1
16	0	0	3	0	1
17	0	1	0	0	1
18	3	1	0	0	1
19	3	1	0	0	1
20	3	1	0	0	1
21	3	1	0	0	1
22	3	0	0	0	1
23	3	0	0	0	2
24	3	0	0	0	2
25	3	0	0	0	2
26	3	0	0	0	2
27	3	0	0	0	2
28	3	0	0	0	2
29	3	0	0	0	2
30	3	0	0	1	2
31	3	.....	0	.....	.....
Mean	2	0.6	0.6	0.2	1
Max.	3	3	9	1	2
Min.	0	0	0	0	1
A.F.	141	34	38	12	75
Water diverted 300 A. F.					

(See next page for summary in acre-feet of Sheridan-Wilson Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

SHERIDAN-WILSON CANAL
SUMMARY IN ACRE-FEET

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:—								
North Platte River.....	119	16	351	123	97	59	375	1140
Sarben Slough	*	*	141	34	38	12	75	300
Total diverted	119	16	492	157	135	71	450	1440

Area reported 676 acres.

Water diverted 1440 A. F.

Per acre 2.13 A. F.

*No report.

Acreage Reported
D-710 676SHORT LINE CANAL
Diverted from North Platte River

Date	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.
1	9	2	2	0	43	0	0	12
2	8	2	2	0	39	2	0	1
3	7	2	2	0	38	2	0	2
4	9	2	2	0	39	2	0	2
5	4	2	1	0	21	2	0	2
6	0	2	1	0	7	2	0	6
7	0	1	0	0	0	2	32	10
8	0	1	0	0	0	2	31	16
9	0	1	0	0	0	2	19	5
10	0	1	0	0	0	2	0	0
11	0	0	0	0	0	2	0	5
12	0	0	0	0	0	2	10	12
13	0	0	0	26	0	2	0	17
14	0	0	0	28	0	2	0	16
15	0	0	0	33	0	2	8	13
16	0	0	0	26	0	2	8	13
17	0	0	0	27	28	2	18	21
18	0	0	0	23	43	2	20	22
19	0	0	0	29	52	0	8	19
20	0	0	0	32	25	0	3	13
21	0	0	0	43	0	0	4	18
22	0	0	0	40	0	0	9	16
23	0	0	0	40	0	0	9	27
24	0	0	0	42	0	0	16	34
25	3	0	0	38	0	0	32	33
26	3	0	0	38	0	0	29	12
27	0	0	0	42	0	0	22	10
28	2	1	0	52	0	0	5	9
29	0	1	0	46	0	0	0	10
30	0	1	0	44	0	0	0	10
31	0	0	0	43	0	0	2	....
Mean	1.5	0.6	0.3	22	11	1	9	13
Max.	9	2	2	52	52	2	32	34
Min.	0	0	0	0	0	0	0	0
A.F.	89	38	20	1373	664	67	565	766

Area reported 2954 acres.

Water diverted 3582 A. F.

Per acre 1.21 A. F.

Acreage Reported
D-946 2954

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

SIGNAL BLUFF CANAL

Diverted from North Platte River

Date	Oct.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	12	0	0	0	0	0
8	13	0	3	0	0	0
9	13	0	2	0	0	0
10	12	0	6	0	0	0
11	12	0	6	0	0	0
12	12	0	6	0	0	0
13	12	0	6	0	0	0
14	0	0	6	0	0	0
15	0	0	4	0	0	0
16	12	0	3	0	0	0
17	11	0	9	0	0	0
18	12	0	12	0	0	0
19	12	0	2	0	0	0
20	12	0	0	0	0	0
21	11	0	0	0	0	0
22	10	0	0	0	0	0
23	10	0	0	0	0	0
24	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	0	0	0	0	0
27	0	0	0	0	0	0
28	0	0	0	0	0	0
29	0	0	0	0	0	0
30	0	0	0	0	0	0
31	0	0	.....	0	0	.....
Mean	6	0	2	0	0	0
Max.	13	0	12	0	0	0
Min.	0	0	0	0	0	0
A.F.	349	0	129	0	0	0
Area reported 1436 acres.				Acreage Reported		
Water diverted 478 A. F.				D-807 1436		
Per acre 0.33 A. F.						

SIX MILE CANAL

Diverted from Platte River and Sutherland Reservoir

Date	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1	15	22	12	0	0	0	0	15	0
2	15	20	0	0	0	0	0	11	0
3	16	16	0	0	0	0	0	0	0
4	17	17	0	0	0	0	0	0	0
5	16	21	0	0	0	0	0	0	0
6	15	13	0	0	0	0	0	0	0
7	15	11	8	0	3	0	0	0	0
8	17	12	12	0	22	0	0	0	0
9	23	15	14	0	28	0	0	0	0
10	29	14	9	0	27	0	0	0	0
11	27	18	12	0	19	0	0	0	0
12	25	21	14	0	10	0	0	0	0
13	25	18	10	0	3	0	0	0	0
14	20	17	8	0	8	0	0	0	0
15	15	15	4	0	9	0	0	0	0
16	12	14	6	0	11	0	0	0	0
17	12	13	6	0	0	0	0	0	0
18	18	12	5	0	0	0	0	0	0
19	33	9	5	0	0	0	0	0	0
20	32	14	4	0	0	0	0	0	0
21	20	14	4	0	0	0	0	0	0
22	16	15	0	0	0	0	0	0	0
23	12	13	0	0	0	0	11	0	0
24	13	11	0	0	0	0	17	0	0
25	17	14	0	0	0	0	16	0	0
26	19	10	0	0	0	0	18	0	0
27	15	10	0	0	0	0	15	0	0
28	13	12	0	0	0	0	15	0	0
29	9	13	0	0	0	0	15	0	0
30	14	13	0	0	0	0	15	0	0
31	15	.....	0	.....	0	.....	15	0	.....
Mean	18	14	4	0	5	0	4	1	0
Max.	33	22	14	0	28	0	18	15	0
Min.	9	9	0	0	0	0	0	0	0
A.F.	1115	861	264	0	284	0	272	52	0
Area reported 1830 acres.				Acreage Reported					
Water diverted 2848 A. F. including storage.				D-680R 1830					
Per acre 1.56 A. F.									
Storage diverted 324 A. F.									

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

SMITH-WHEELER CANAL							SOEHL CANAL				
Diverted from Pumpkinseed Creek							Diverted from Lonergan Creek				
Date	May	June	July	Aug.	Sept.		May	June	July	Aug.	Sept.
1	1	1	0	0	0		0	2	0	0	0
2	1	1	0	1	0		0	2	0	0	0
3	1	1	0	1	0		0	2	0	0	0
4	1	0	0	1	0		0	0	0	0	0
5	1	0	0	0	0		0	0	0	0	0
6	1	1	0	0	0		0	0	0	0	0
7	1	0	0	0	0		0	0	0	0	0
8	1	0	0	0	0		0	0	0	0	0
9	1	1	0	0	0		0	0	3	0	0
10	1	1	1	0	1		0	0	3	0	0
11	1	1	1	0	1		0	0	3	0	0
12	1	1	1	0	1		0	0	3	0	0
13	0	1	1	0	0		0	0	3	0	0
14	0	1	1	0	0		0	0	3	0	0
15	1	1	1	0	1		0	0	3	0	0
16	1	1	1	0	0		3	0	3	0	0
17	1	1	0	0	0		0	1	3	0	0
18	1	1	0	0	0		0	3	3	0	0
19	1	0	0	0	0		3	6	0	0	0
20	1	0	0	0	1		3	0	0	0	0
21	1	0	0	0	0		3	0	0	0	0
22	1	0	0	0	1		1	0	0	0	0
23	1	0	0	0	0		5	0	0	0	0
24	1	0	0	0	1		5	0	0	0	0
25	1	0	0	0	1		0	3	0	0	0
26	1	0	0	0	1		0	7	0	0	0
27	1	0	0	0	1		0	0	0	0	0
28	0	0	0	0	1		0	0	0	0	0
29	1	0	0	0	1		0	0	0	0	0
30	0	0	0	0	1		0	0	0	0	0
31	1	.....	0	0	.....		0	.....	0	0	.....
Mean	1	0.5	0.2	0.1	0.4		1	1	1	0	0
Max.	1	1	1	1	1		5	7	3	0	0
Min.	0	0	0	0	0		0	0	0	0	0
A.F.	54	28	14	6	26		52	52	60	0	0
Area reported 85 acres.							Area reported 200 acres.				
Water diverted 128 A. F.							Water diverted 161 A. F.				
Per acre 1.51 A. F.							Per acre 0.82 A. F.				
							Record estimated.				
							Acreage Reported				
							D-697a 140				
							D-697b 60				
							Total 200				

SUBURBAN CANAL							SUBURBAN CANAL				
Diverted from North Platte River							Diverted from Lincoln County Drain No. 1				
Date	Oct.	May	June	July	Aug.	Sept.	May	June	July	Aug.	Sept.
1	35	7	0	52	48	50	0	27	26	25	20
2	36	14	0	48	47	47	0	26	26	25	21
3	50	14	0	56	46	46	0	26	25	24	21
4	99	12	0	47	47	51	0	29	25	24	21
5	88	12	0	5	47	54	0	20	26	24	21
6	74	23	10	0	47	54	0	9	26	24	21
7	65	18	31	0	50	53	0	11	26	24	20
8	59	14	0	0	53	51	0	12	26	24	20
9	57	11	0	0	50	41	5	11	26	24	20
10	38	16	35	0	48	46	12	11	26	23	20
11	34	23	28	35	49	50	13	11	26	24	20
12	36	33	15	43	50	49	16	11	25	24	26
13	37	38	11	43	51	50	15	11	24	24	26
14	37	41	9	42	51	48	19	11	24	24	26
15	38	39	23	37	51	48	18	15	24	24	26
16	41	39	15	19	48	48	17	15	26	24	12
17	30	35	17	15	49	48	21	15	25	24	12
18	20	37	28	30	48	46	21	21	25	24	5
19	0	35	44	30	48	43	20	21	24	24	7
20	0	29	21	11	52	47	21	21	24	22	6
21	0	36	0	2	53	48	20	17	24	22	12
22	0	44	0	2	51	48	21	18	24	22	12
23	0	67	0	3	48	48	22	18	24	22	12
24	0	65	0	38	48	49	23	21	24	22	12
25	0	60	0	39	49	53	24	27	24	22	12
26	0	56	0	41	51	56	25	27	24	22	12
27	0	63	37	41	56	50	26	27	24	22	12
28	0	66	50	43	56	47	26	27	24	22	12
29	0	14	46	48	51	51	12	27	24	21	15
30	0	0	53	55	49	51	21	26	24	20	12
31	0	0	.....	53	50	.....	26	.....	24	20	.....
Mean	28	31	16	28	50	49	14	19	25	23	16
Max.	99	67	53	56	56	56	26	29	26	25	26
Min.	0	0	0	0	46	41	0	9	24	20	5
A.F.	1714	1906	938	1747	3059	2918	881	1129	1525	1420	980
Water diverted 12282 A. F.							Water diverted 5935 A. F.				

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

SUBURBAN CANAL					
Diverted from Lincoln County Drain No. 1A					
Date	May	June	July	Aug.	Sept.
1	0	0	0	12	9
2	0	0	0	12	10
3	0	0	0	12	10
4	0	0	0	12	10
5	0	0	0	13	12
6	0	0	0	13	12
7	0	0	0	13	12
8	0	0	0	13	12
9	0	0	0	13	12
10	0	0	10	13	13
11	0	0	10	13	13
12	0	0	12	13	13
13	0	0	12	12	13
14	0	0	12	12	13
15	0	0	12	9	13
16	0	0	12	9	12
17	0	0	12	9	12
18	0	0	12	9	12
19	0	0	12	8	12
20	0	0	12	8	12
21	0	0	12	8	12
22	0	0	12	8	12
23	0	0	12	8	12
24	0	0	12	8	12
25	0	0	12	8	12
26	0	0	12	9	12
27	0	0	12	9	12
28	0	0	12	9	12
29	0	0	12	9	12
30	0	0	12	9	12
31	0	...	12	9	...
Mean	0	0	8	10	12
Max.	0	0	12	13	13
Min.	0	0	0	8	9
A.F.	0	0	516	639	708

Water diverted 1863 A. F.

SUBURBAN CANAL
SUMMARY IN ACRE-FEET

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:—								
North Platte River.....	1714	0	1906	938	1747	3059	2918	12282
Lincoln County Drain No. 1....	0	0	881	1129	1525	1420	980	5935
Lincoln County Drain No. 1A	0	0	0	0	516	639	708	1863
Total diverted	1714	0	2787	2067	3788	5118	4606	20080

Area reported 6559 acres.
Water diverted 20080 A. F.
Per acre 3.06 A. F.

Acreage Reported
D-662 (O.D. A-2648) 6559

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

SUTHERLAND RESERVOIR SUPPLY CANAL												
Diverted from North Platte River												
Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	575	1010	563	974	1223	1313	0	0	0	0
2	0	0	690	833	565	997	1190	1206	0	0	0	0
3	0	0	736	866	565	1020	1132	1003	0	0	0	0
4	0	0	742	895	572	1022	1123	922	0	0	0	0
5	0	0	761	881	574	1032	1101	888	0	0	0	0
6	0	0	863	808	573	1076	1114	862	361	0	0	0
7	0	0	972	722	582	1110	1127	842	858	0	0	0
8	0	0	1041	690	591	1147	1143	701	861	0	0	0
9	0	0	1085	670	593	1164	1169	581	893	0	0	0
10	0	0	1142	684	604	1227	1195	504	923	0	0	0
11	0	0	1124	695	652	1248	1063	462	938	0	0	0
12	0	0	1140	705	663	1181	1069	286	820	0	0	0
13	0	0	1110	736	601	1151	928	231	656	0	0	0
14	0	0	1160	649	604	1185	903	110	431	0	0	0
15	0	0	1107	612	604	1220	891	121	306	0	0	0
16	0	0	1094	618	600	1326	934	53	170	0	0	0
17	0	0	1166	690	593	1360	916	0	0	0	0	0
18	0	0	1133	601	586	1315	757	0	23	0	0	0
19	0	0	1088	613	586	1292	811	0	0	0	0	0
20	0	0	1051	599	580	1296	817	0	0	0	0	0
21	0	0	1071	564	606	1294	827	0	0	0	0	0
22	0	0	1083	544	695	1257	835	0	0	0	0	0
23	0	0	1152	531	755	1274	843	0	0	0	0	0
24	96	95	882	561	737	1284	837	0	0	0	0	0
25	467	546	940	580	772	1324	832	0	0	0	0	0
26	547	545	792	577	838	1259	898	0	0	0	0	0
27	546	550	597	572	993	1222	798	0	0	0	0	0
28	530	551	632	571	974	1300	1018	0	0	0	0	0
29	0	552	708	572	992	1317	1086	0	0	0	0	0
30	0	551	832	561	.....	1323	1136	0	0	0	0	0
31	0	.....	986	558	.....	1257	.....	0	.....	0	0	0
Mean	70	113	950	667	660	1208	990	325	242	0	0	0
Max.	547	552	1166	1010	992	1360	1223	1313	938	0	0	0
Min.	0	0	575	531	563	974	757	0	0	0	0	0
A. F.	4336	6725	58437	41015	37930	74290	58942	26004	14381	0	0	0
Water diverted 316660 A. F.												
Reported by the District.												

SUTHERLAND RESERVOIR SYSTEM
Storage in Sutherland, Regulator, and Forebay Reservoirs, Combined
Total Live Storage in acre-feet

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13597	13339	10331	23949	36722	56770	88117	89312	76206	73515	30162	19453
2	13523	13207	10474	24496	37200	58197	88759	89844	76024	72251	28954	19289
3	13450	13092	10819	25574	37698	59472	89394	90533	75281	71390	27558	19174
4	13302	12951	11284	26141	38000	60984	89836	90340	74836	70296	26936	19137
5	13228	12829	11639	26754	38498	62172	90050	89135	74574	69519	25367	19000
6	13154	12727	12177	26896	39088	63480	90518	88948	74889	68517	24547	18819
7	13081	12459	12544	27159	39719	64644	90945	88305	75034	67573	23803	18769
8	12931	12454	13701	28618	40341	66091	91687	87615	75762	66774	22801	18693
9	12860	12398	15047	29198	40799	67559	92431	87039	76503	65860	22617	18520
10	12787	12327	15967	29779	41305	68886	92992	86131	77574	65028	22145	18385
11	12714	12257	17194	30296	41926	70379	93464	85781	78463	64012	21708	18263
12	12640	12181	18190	30866	42709	71623	93921	85148	79536	63051	21770	18157
13	12566	12111	19280	31211	43349	71137	94303	85597	80717	61878	21567	18069
14	12492	11975	20135	31896	44040	70840	94487	85085	81530	60706	21496	17860
15	12272	11870	21403	32491	44709	70482	94752	84574	81717	59857	21371	17718
16	12130	11767	22529	32971	45302	70749	94615	84215	81831	58940	21342	17600
17	12062	11590	23660	33475	45912	73275	94319	83823	81408	57908	21290	17482
18	11993	11469	24737	33852	46573	74269	93271	81050	81050	55948	21245	17348
19	11925	11348	25425	34306	47112	76396	92701	82864	80360	54184	21052	17239
20	11857	11232	26008	34649	47694	76870	92355	82346	79918	52524	21007	17121
21	11789	11125	26307	34656	48355	78082	91871	81858	79487	50614	20807	16984
22	11720	11016	26734	34997	48923	79272	91584	81323	78995	48788	20602	16866
23	11652	10915	25632	34829	49596	80345	91189	80751	78363	46254	20485	16733
24	11516	10814	24412	34885	50131	81178	90752	80309	77561	43780	20434	16654
25	11448	10329	24189	34965	51215	82200	90289	80007	77025	41894	20316	16565
26	11379	9842	23855	35194	51940	83180	89774	79116	76536	40254	20187	16505
27	11311	9984	22971	35285	52962	84052	89851	78617	76099	38321	20014	16453
28	11243	9903	22819	35546	54132	84714	89289	78105	75470	36337	19893	16204
29	13242	9966	22607	35609	55368	85753	89349	77623	74965	34560	19806	16021
30	13626	10179	22577	35951	.....	86644	89444	77187	74206	32814	19706	15972
31	13458	.....	22506	36349	.....	87287	.....	76650	.....	31668	19512	.....

Reported by the District.

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

SUTHERLAND PROJECT POWER RETURN
To the River at North Platte—Sec. 9-13-30 W.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	15	15	289	281	16	0	534	655	15	308	573	15
2	16	15	282	321	71	0	504	655	15	230	695	15
3	15	15	292	395	39	0	508	795	15	202	386	15
4	15	15	293	397	34	0	531	1150	20	234	695	15
5	16	15	278	310	30	0	519	736	17	202	453	15
6	16	16	278	157	14	0	454	907	37	203	339	15
7	15	15	288	106	0	0	472	866	65	203	474	15
8	15	16	286	107	85	0	165	808	126	207	51	15
9	16	15	290	168	62	0	412	651	15	203	153	15
10	19	15	293	233	0	0	517	547	68	353	15	15
11	15	15	279	169	0	218	509	465	15	353	15	15
12	15	18	298	177	0	732	499	287	15	353	15	15
13	16	16	292	107	0	735	514	287	15	333	15	15
14	21	18	303	115	0	827	557	107	32	329	18	15
15	15	15	311	102	0	501	553	109	113	331	15	15
16	15	16	309	104	0	299	778	78	15	480	15	15
17	17	15	301	111	0	298	889	15	15	506	15	15
18	15	16	292	155	9	299	620	15	15	636	15	15
19	15	15	439	208	0	291	755	15	15	627	15	15
20	16	15	507	179	0	299	756	15	15	556	15	20
21	25	16	715	206	0	296	754	15	15	839	15	15
22	15	15	1007	210	16	421	759	15	15	1049	15	15
23	16	15	1135	207	28	368	752	15	15	920	15	15
24	51	15	832	211	59	307	756	15	15	932	15	15
25	15	96	622	207	19	477	756	15	15	650	15	15
26	16	152	778	211	0	325	658	15	15	817	17	15
27	17	142	616	202	0	438	757	15	15	777	15	15
28	15	141	392	199	0	511	706	15	15	881	15	15
29	15	224	453	145	0	452	756	15	15	717	15	15
30	15	285	402	114	....	565	764	15	108	583	15	15
31	16	.....	324	64	....	508	.....	15	.....	737	15	....
Mean	17	47	435	190	17	297	625	301	30	508	134	15
Max.	54	285	1135	397	85	827	889	1150	126	1049	695	20
Min.	15	15	278	64	0	0	412	15	15	202	15	15
A.F.	1066	2823	26742	11659	998	18248	37218	18502	1787	31242	8239	902

Total acre-feet 159426.
Reported by the District.

THIRTY MILE CANAL

Date	Diverted from		Platte River and		Sutherland Reservoir		Sept.		
	Oct.	Nov.	Dec.	Apr.	May	June			
1	57	327	236	1	194	0	177	0	
2	59	323	214	1	181	0	179	0	
3	66	324	208	1	175	0	164	0	
4	79	291	197	1	192	0	136	0	
5	71	213	195	1	208	0	171	0	
6	83	283	210	3	197	0	32	0	
7	93	322	237	60	206	0	38	0	
8	104	328	234	94	223	0	43	0	
9	147	327	231	104	233	0	32	0	
10	172	332	232	127	231	0	24	0	
11	156	329	233	124	220	0	19	0	
12	0	331	230	119	197	0	36	0	
13	0	332	169	121	222	0	31	0	
14	0	305	122	124	39	65	0	0	
15	0	283	224	122	0	94	0	0	
16	92	274	207	128	0	98	0	0	
17	190	282	193	145	0	101	0	0	
18	92	281	150	153	0	0	0	0	
19	0	285	163	166	0	0	84	0	
20	14	285	78	177	0	0	104	0	
21	161	286	17	175	0	0	105	0	
22	155	156	25	185	0	0	107	0	
23	164	160	0	191	0	0	133	0	
24	169	214	0	205	0	0	157	0	
25	184	283	0	206	0	0	199	0	
26	211	282	0	206	0	0	197	0	
27	264	253	0	207	0	0	196	0	
28	302	240	0	206	0	0	196	0	
29	314	236	0	207	0	0	189	0	
30	313	238	0	207	0	0	183	0	
31	328	.....	0	.....	0	.....	185	0
Mean	130	279	129	132	88	12	66	35	0
Max.	328	332	237	207	233	101	199	179	0
Min.	0	156	0	1	0	0	0	0	0
A.F.	7997	16582	7940	7882	5391	710	4036	2146	0

Water diverted 52684 A. F.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

THIRTY MILE CANAL SPILL TO PLATTE RIVER									
Little Spillway—Sec. 35-11-25 W.									
Date	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1	0	0	*	*	12	0	0	0	0
2	0	*	*	*	7	0	0	0	0
3	0	*	*	*	0	0	0	0	0
4	0	*	*	*	0	0	0	0	0
5	*	*	*	*	0	0	0	0	0
6	*	*	*	*	0	0	0	0	0
7	*	*	*	*	0	0	0	0	0
8	*	*	*	*	0	0	0	0	0
9	*	*	9	*	1	0	0	0	0
10	*	*	*	*	2	0	0	0	0
11	*	*	*	*	0	0	0	0	0
12	*	*	*	*	1	0	0	0	0
13	*	*	*	*	1	0	0	0	0
14	*	*	*	*	0	0	0	0	0
15	*	*	*	*	0	15	0	0	0
16	*	*	*	*	0	1	0	0	0
17	*	*	*	*	0	1	0	0	0
18	*	*	*	*	0	0	0	0	0
19	*	*	*	*	0	0	0	0	0
20	*	*	*	*	0	0	0	0	0
21	*	*	*	9	0	0	0	0	0
22	*	*	*	*	0	0	0	0	0
23	*	*	0	*	0	0	0	0	0
24	*	*	0	*	0	0	0	0	0
25	*	*	0	*	0	0	0	0	0
26	*	*	0	*	0	0	0	0	0
27	*	*	0	*	0	0	0	0	0
28	*	*	0	*	0	0	0	0	0
29	*	*	0	*	0	0	0	0	0
30	*	*	0	12	0	0	0	0	0
31	*	....	0	....	0	....	0	....	....
Mean	*	*	*	*	0.8	0.6	0	0	0
Max.	*	*	*	*	12	15	0	0	0
Min.	*	*	*	*	0	0	0	0	0
A.F.	*	*	*	*	50	34	0	0	0
Total acre-feet 84.									
*No record.									

THIRTY MILE CANAL SPILL TO PLATTE RIVER									
Middle Spillway—Sec. 7-10-24 W.									
Date	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1	0	0	*	*	6	0	0	0	0
2	0	*	*	*	8	0	0	0	0
3	0	*	*	*	3	0	0	0	0
4	0	*	*	*	6	0	0	0	0
5	*	*	*	*	4	0	0	0	0
6	*	*	*	*	14	0	0	0	0
7	*	*	*	*	5	0	0	0	0
8	*	*	*	*	5	0	0	0	0
9	*	*	16	*	5	0	0	0	0
10	*	*	*	*	4	0	0	0	0
11	*	*	*	*	2	0	0	0	0
12	*	*	*	*	7	0	0	0	0
13	*	*	*	*	4	0	0	0	0
14	*	*	*	*	0	0	0	0	0
15	*	*	*	*	0	0	0	0	0
16	*	*	*	*	0	15	0	0	0
17	*	*	*	*	0	11	0	0	0
18	*	*	*	*	0	0	0	0	0
19	*	*	*	*	0	0	0	0	0
20	*	*	*	*	0	0	0	0	0
21	*	*	*	8	0	0	0	0	0
22	*	*	*	*	0	0	0	0	0
23	*	*	0	*	0	0	0	0	0
24	*	*	0	*	0	0	0	0	0
25	*	*	0	*	0	0	0	0	0
26	*	*	0	*	0	0	0	0	0
27	*	*	0	*	0	0	0	0	0
28	*	*	0	*	0	0	0	0	0
29	*	*	0	*	0	0	0	0	0
30	*	*	0	9	0	0	0	0	0
31	*	....	0	....	0	....	0	....	....
Mean	*	*	*	*	2	0.9	0	0	0
Max.	*	*	*	*	14	15	0	0	0
Min.	*	*	*	*	0	0	0	0	0
A.F.	*	*	*	*	145	52	0	0	0
Total acre-feet 197.									
*No record.									

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

THIRTY MILE CANAL SPILL TO PLATTE RIVER										
Henderson Spillway—Sec. 8-10-24 W.										
Date	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.	
1	0	0	*	*	*	19	0	0	0	0
2	0	*	*	*	*	9	0	0	0	0
3	0	*	*	*	*	9	0	0	0	0
4	0	*	*	*	*	15	0	0	0	0
5	*	*	*	*	*	11	0	0	0	0
6	*	*	*	*	*	40	0	0	0	0
7	*	*	*	*	*	9	0	0	0	0
8	*	*	*	*	*	8	0	0	0	0
9	*	*	4	*	*	5	0	0	0	0
10	*	*	*	*	*	6	0	0	0	0
11	*	*	*	*	*	3	0	0	0	0
12	*	*	*	*	*	2	0	0	0	0
13	*	*	*	*	*	1	0	0	0	0
14	*	*	*	*	*	0	0	0	0	0
15	*	*	*	*	*	0	8	0	0	0
16	*	*	*	*	*	0	22	0	0	0
17	*	*	*	*	*	0	8	0	0	0
18	*	*	*	*	*	0	0	0	0	0
19	*	*	*	*	*	0	0	0	0	0
20	*	*	*	*	*	0	0	0	0	0
21	*	*	*	*	8	0	0	0	0	0
22	*	*	*	*	*	0	0	0	0	0
23	*	*	0	*	*	0	0	0	0	0
24	*	*	0	*	*	0	0	0	0	0
25	*	*	0	*	*	0	0	0	0	0
26	*	*	0	*	*	0	0	0	0	0
27	*	*	0	*	*	0	0	0	0	0
28	*	*	0	*	*	0	0	0	0	0
29	*	*	0	*	*	0	0	0	0	0
30	*	*	0	13	0	0	0	0	0	0
31	*	.....	0	.....	0	.....	0	0	0	0
Mean	*	*	*	*	4	1.2	0	0	0	0
Max.	*	*	*	*	40	22	0	0	0	0
Min.	*	*	*	*	0	0	0	0	0	0
A.F.	*	*	*	*	272	75	0	0	0	0
Total acre-feet 347.										
*No record.										

THIRTY MILE CANAL SPILL TO PLATTE RIVER										
Darr Spillway—Sec. 8-9-22 W.										
Date	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.	
1	0	*	*	*	*	11	0	0	0	0
2	0	*	*	*	*	11	0	0	0	0
3	20	*	*	*	*	6	0	0	0	0
4	0	*	*	*	*	2	0	0	0	0
5	0	*	*	*	*	4	0	0	0	0
6	*	*	*	*	*	5	0	0	0	0
7	*	*	*	*	*	3	0	0	0	0
8	*	*	*	*	*	2	0	0	0	0
9	*	*	*	*	*	0	0	0	0	0
10	*	*	*	*	*	0	0	0	0	0
11	*	*	0	*	*	0	0	0	0	0
12	*	*	*	*	*	0	0	0	0	0
13	*	*	*	*	*	0	0	0	0	0
14	*	*	*	*	*	0	0	0	0	0
15	*	*	*	*	*	0	10	0	0	0
16	*	*	*	*	*	0	24	0	0	0
17	*	*	*	*	*	0	23	0	0	0
18	*	*	*	*	*	0	0	0	0	0
19	*	*	*	18	0	0	0	0	0	0
20	*	*	*	*	*	0	0	0	0	0
21	*	*	*	*	*	0	0	0	0	0
22	*	*	*	*	*	0	0	0	0	0
23	*	*	0	*	*	0	0	0	0	0
24	*	*	0	*	*	0	0	0	0	0
25	*	*	0	*	*	0	0	0	0	0
26	*	*	0	*	*	0	0	0	0	0
27	*	*	0	*	*	0	0	0	0	0
28	*	*	0	*	*	0	0	0	0	0
29	*	*	0	*	*	0	0	0	0	0
30	*	*	0	*	*	0	0	0	0	0
31	0	.....	0	.....	0	.....	0	0	0	0
Mean	*	*	*	*	1.4	1.9	0	0	0	0
Max.	*	*	*	*	11	24	0	0	0	0
Min.	*	*	*	*	0	0	0	0	0	0
A.F.	*	*	*	*	87	113	0	0	0	0
Total acre-feet 200.										
*No record.										
(See next page for summary in acre-feet of Thirty Mile Canal.)										

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

THIRTY MILE CANAL
SUMMARY IN ACRE-FEET

Month	Diverted from Platte River	Spill to Platte River				Total Spill	Net Diverted
		Little Spillway No. 1	Middle Spillway No. 2	Henderson Spillway No. 3	Darr Spillway		
October	7997	*	*	*	*	*	7997
November	16582	*	*	*	*	*	16582
December	7940	*	*	*	*	*	7940
April	7882	*	*	*	*	*	7882
May	5391	50	145	272	87	554	4837
June	710	34	52	75	113	274	436
July	4036	0	0	0	0	0	4036
August	2146	0	0	0	0	0	2146
September ..	0	0	0	0	0	0	0
Total	52684	81	197	347	200	828	51856

Area reported 23089 acres.
 Net diverted 51856 A. F. including storage.
 Per acre 2.25 A. F.
 Storage diverted 6179 A. F.
 *No record.

Acreage Reported
 A-2077 320
 A-1976 3555
 A-1853 19214
Total 23089

TRI-STATE CANAL

Diversions by the Farmers Irrigation District and the Northport Irrigation District from North Platte River and Pathfinder Reservoir

Date	Oct.	May	June	July	Aug.	Sept.
1	402	0	875	983	483	444
2	318	0	903	954	578	393
3	333	0	967	963	496	373
4	335	0	972	969	381	365
5	338	0	919	919	440	391
6	345	0	743	802	442	383
7	329	0	573	811	433	377
8	333	16	320	809	431	361
9	128	44	569	798	416	450
10	0	35	626	752	408	440
11	0	22	611	745	404	466
12	0	41	569	661	450	404
13	0	160	523	571	444	396
14	0	327	529	518	450	402
15	0	444	620	516	446	389
16	0	613	820	668	425	404
17	0	815	837	622	425	377
18	0	846	813	611	389	391
19	0	842	877	472	375	383
20	0	822	947	448	347	349
21	0	798	939	538	248	340
22	0	778	930	589	212	351
23	0	763	976	613	206	343
24	0	710	983	613	241	375
25	0	705	983	532	286	468
26	0	730	983	571	351	457
27	0	743	983	628	309	393
28	0	749	972	644	298	375
29	0	765	967	628	293	442
30	0	811	994	529	360	457
31	0	826	.....	457	393	.....
Mean	92	433	810	675	396	399
Max.	402	846	994	983	578	466
Min.	0	0	320	448	206	340
A.F.	5675	26589	48245	41523	23524	23681
Water diverted	169237	A. F.				

TRI-STATE LATERAL NO. 1
 Diverted from North Platte River and Pathfinder Reservoir

Date	May	June	July	Aug.	Sept.
1	0	0	4	3	4
2	0	0	4	5	2
3	0	0	4	5	0
4	0	4	0	4	3
5	0	4	0	2	5
6	0	4	0	3	3
7	0	4	0	3	4
8	0	0	0	3	3
9	0	7	3	5	7
10	0	5	3	3	3
11	0	3	3	3	5
12	0	6	4	3	2
13	0	5	4	3	3
14	0	5	4	4	3
15	0	5	4	3	3
16	3	5	4	2	5
17	6	3	3	3	3
18	7	3	3	2	5
19	7	4	0	2	2
20	6	7	0	2	2
21	7	5	0	2	3
22	7	3	0	3	4
23	7	5	0	3	2
24	7	5	0	3	4
25	7	8	3	3	1
26	7	4	5	3	4
27	6	2	3	2	2
28	6	4	4	3	3
29	0	4	3	3	2
30	0	4	3	4	3
31	0	.....	8	3	.....
Mean	3	4	2	3	3
Max.	7	8	8	5	7
Min.	0	0	0	2	0
A.F.	165	234	151	188	194
Water diverted	932	A. F.			

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

TRI-STATE LATERAL NO. 2
Diverted from North Platte River
and Pathfinder Reservoir

Date	May	June	July	Aug.	Sept.
1	0	5	5	5	2
2	0	5	3	7	2
3	0	5	3	7	3
4	0	5	3	6	3
5	0	5	3	3	4
6	0	5	3	3	2
7	0	5	4	3	3
8	0	3	3	3	3
9	0	9	3	2	4
10	0	1	3	5	3
11	0	5	3	4	4
12	0	5	3	3	2
13	0	1	1	2	3
14	0	5	6	4	3
15	0	5	3	4	3
16	0	5	2	3	3
17	0	5	2	3	3
18	5	5	2	3	4
19	4	5	0	4	3
20	5	5	0	5	2
21	5	5	0	4	3
22	5	5	0	6	3
23	5	5	0	6	2
24	5	5	4	7	3
25	5	5	4	6	3
26	6	10	3	7	3
27	6	9	3	6	2
28	7	9	4	4	2
29	7	9	3	4	3
30	5	8	2	5	3
31	5	.....	4	6	.....
Mean	2	6	3	4	3
Max.	7	10	6	7	5
Min.	0	4	0	2	2
A.F.	149	337	163	278	176

Water diverted 1103 A. F.

TRI-STATE LATERAL NO. 3
Diverted from North Platte River
and Pathfinder Reservoir

Date	May	June	July	Aug.	Sept.
1	0	0	1	0	0
2	0	0	1	1	0
3	0	0	1	0	0
4	0	4	2	0	0
5	0	4	1	0	0
6	0	3	1	0	0
7	0	1	2	0	0
8	0	0	1	0	0
9	0	0	2	0	0
10	0	0	0	0	0
11	0	1	2	0	0
12	0	1	2	0	0
13	0	0	0	2	0
14	0	0	1	1	0
15	0	0	1	0	0
16	0	0	0	0	0
17	0	1	0	0	0
18	0	4	0	0	0
19	0	2	0	0	0
20	0	4	0	0	0
21	0	3	0	0	0
22	0	4	0	0	0
23	0	4	0	0	0
24	0	2	0	0	0
25	0	2	0	0	0
26	0	2	1	0	0
27	0	8	1	0	0
28	0	6	2	0	0
29	0	4	1	0	0
30	0	2	1	0	0
31	0	.....	0	0	.....
Mean	0	2	1	0	0
Max.	0	8	4	2	0
Min.	0	0	0	0	0
A.F.	0	123	54	8	0

Water diverted 185 A. F.

TRI-STATE CANAL
Diverted from Akers Draw

Date	Oct.	May	June	July	Aug.	Sept.
1	14	0	9	10	10	9
2	14	0	9	10	10	9
3	14	0	9	10	10	9
4	14	0	9	10	10	9
5	14	0	9	9	10	9
6	14	0	9	9	9	9
7	14	0	10	9	9	9
8	14	9	10	9	9	9
9	14	9	10	9	9	9
10	0	9	10	9	9	9
11	0	9	10	9	9	9
12	0	9	10	9	9	9
13	0	9	10	9	9	9
14	0	9	10	9	9	9
15	0	9	10	9	9	9
16	0	9	10	9	9	9
17	0	9	10	9	9	9
18	0	9	10	9	9	9
19	0	9	10	10	9	9
20	0	9	10	10	9	9
21	0	9	10	10	9	9
22	0	9	10	10	9	9
23	0	9	10	10	9	9
24	0	9	10	10	9	9
25	0	9	10	10	9	9
26	0	9	10	10	9	9
27	0	9	10	10	9	9
28	0	9	10	10	9	9
29	0	9	10	10	9	9
30	0	9	10	10	9	9
31	0	9	.....	10	9	.....
Mean	4	7	10	10	9	9
Max.	14	9	10	10	10	9
Min.	0	0	9	9	9	9
A.F.	250	428	583	587	563	536

Water diverted 2947 A. F.

TRI-STATE CANAL
Diverted from Sheep Creek

Date	Oct.	May	June	July	Aug.	Sept.
1	69	0	41	38	49	54
2	70	0	42	41	50	53
3	70	0	43	44	50	52
4	69	0	43	44	50	54
5	69	0	43	44	50	52
6	69	0	28	42	48	52
7	68	0	0	40	49	50
8	68	42	0	41	51	50
9	43	40	0	44	50	53
10	69	38	0	48	49	56
11	70	42	0	48	51	51
12	70	42	28	48	51	44
13	70	42	42	48	52	52
14	69	42	40	58	52	55
15	68	42	39	93	54	52
16	68	42	39	84	52	52
17	68	41	39	63	51	52
18	67	43	39	61	51	52
19	67	42	39	60	51	53
20	67	43	40	59	53	54
21	67	42	40	57	55	54
22	66	42	41	57	57	54
23	66	42	42	56	57	57
24	65	41	41	56	56	58
25	20	42	38	54	59	66
26	0	42	31	54	55	62
27	0	42	34	52	54	61
28	0	42	38	51	53	61
29	0	41	37	51	52	67
30	0	42	36	51	52	64
31	0	41	.....	51	51	.....
Mean	53	32	32	53	52	55
Max.	70	41	43	93	59	67
Min.	0	0	0	38	48	44
A.F.	3237	1995	1910	3219	3203	3267

Water diverted 16861 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

Date	TRI-STATE CANAL Diverter from Dry Spotted Tail Creek					TRI-STATE CANAL Diverter from Wet Spotted Tail Creek				
	Oct.	May	June	July	Aug. Sept.	Oct.	May	June	July	Aug. Sept.
1	20	0	0	9	11 19	30	0	3	5	4 6
2	20	0	0	9	11 19	30	0	3	5	4 6
3	20	0	0	9	11 17	29	0	3	5	4 6
4	20	0	0	9	12 17	29	0	3	5	5 6
5	20	0	0	9	16 18	28	0	3	5	5 6
6	20	0	0	9	13 14	28	0	3	5	5 6
7	20	0	0	9	13 14	27	0	3	5	5 6
8	20	0	0	9	13 14	27	0	3	5	5 6
9	20	0	0	9	13 14	26	5	3	5	5 6
10	0	0	0	10	13 15	0	6	3	4	5 7
11	0	0	0	10	13 14	0	6	4	4	5 7
12	0	0	0	10	13 14	0	6	4	4	5 7
13	0	0	0	11	12 14	0	6	4	4	5 7
14	0	0	0	12	12 14	0	6	4	4	6 7
15	0	0	0	13	13 14	0	6	4	4	6 8
16	0	0	9	13	13 14	0	6	4	4	6 8
17	0	0	9	12	19 11	0	5	4	4	7 9
18	0	0	10	12	22 14	0	5	4	4	8 11
19	0	0	11	11	22 14	0	5	5	4	9 11
20	0	0	11	11	23 11	0	5	6	4	10 11
21	0	0	11	11	20 14	0	5	6	4	8 11
22	0	0	12	11	21 14	0	3	7	4	8 11
23	0	0	11	11	22 14	0	2	6	4	7 11
24	0	0	11	10	22 14	0	2	5	4	7 12
25	0	0	11	10	23 13	0	2	5	4	7 15
26	0	0	10	10	22 13	0	2	5	4	7 13
27	0	0	10	10	22 9	0	2	5	4	6 13
28	0	0	10	10	19 9	0	3	5	4	5 13
29	0	0	10	11	18 10	0	3	5	4	5 14
30	0	0	10	10	20 10	0	3	5	4	5 14
31	0	0	.....	10	19	0	3	.....	4	.....6
Mean	6	0	5	10	17 11	8	3	.....	4	6 9
Max.	20	0	12	13	23 19	30	6	7	5	10 15
Min.	0	0	0	9	11 9	0	0	3	4	4 6
A.F.	357	0	309	635	1023 835	504	204	252	264	371 545
Water diverted	3159 A. F.					2140 A. F.				

Date	TRI-STATE CANAL Diverter from Tub Springs					TRI-STATE CANAL Diverter from Alliance Drain				
	Oct.	May	June	July	Aug. Sept.	Oct.	May	June	July	Aug. Sept.
1	29	0	13	15	13 17	12	0	0	0	0 0
2	28	0	13	14	12 16	12	0	0	0	0 0
3	28	0	13	13	14 15	12	0	0	0	0 0
4	27	0	21	13	16 14	12	0	0	0	0 0
5	27	0	10	12	15 14	12	0	0	0	0 0
6	14	0	0	10	17 13	12	0	0	0	0 0
7	0	0	0	8	17 12	13	0	0	0	0 0
8	0	0	0	11	16 14	13	0	0	0	0 0
9	0	0	0	11	15 13	13	0	0	0	0 0
10	0	0	0	11	15 13	13	0	0	0	0 0
11	0	4	0	11	15 13	13	0	0	0	0 0
12	0	4	1	9	15 13	13	0	0	0	0 0
13	0	4	3	11	17 13	13	0	0	0	0 0
14	0	4	16	12	18 13	6	0	0	0	0 0
15	0	4	18	13	18 14	0	0	0	0	0 0
16	0	4	16	18	17 14	0	0	0	0	0 0
17	0	4	16	14	15 15	0	0	0	0	0 0
18	0	5	16	13	18 15	0	0	0	0	0 0
19	0	5	16	14	19 14	0	0	0	0	0 0
20	0	5	16	15	18 15	0	0	0	0	0 0
21	0	11	16	12	18 14	0	0	0	0	0 0
22	0	11	16	14	21 15	0	0	0	0	0 0
23	0	12	16	14	20 13	0	0	0	0	0 0
24	0	13	14	14	18 15	0	0	0	0	0 0
25	0	13	15	14	23 15	0	0	0	0	0 0
26	0	13	16	15	18 14	0	0	0	0	0 0
27	0	15	13	16	18 13	0	0	0	0	0 0
28	0	14	13	16	18 13	0	0	0	0	0 0
29	0	14	12	14	18 14	0	0	0	0	0 0
30	0	12	15	15	18 14	0	0	0	0	0 0
31	0	12	.....	12	18	0	0	.....	0	.....0
Mean	5	6	11	13	17 14	5	0	0	0	0 0
Max.	29	15	21	18	23 17	13	0	0	0	0 0
Min.	0	0	0	8	12 13	0	0	0	0	0 0
A.F.	303	371	662	801	1017 835	335	0	0	0	0 0
Water diverted	4019 A. F.					335 A. F.				

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

TRI-STATE CANAL LATERAL					
Date	Diverted from		Alliance	Drain	
	May	June		July	Aug.	Sept.
1	0	4	10	8	14
2	0	4	9	8	8
3	0	5	9	8	6
4	0	5	8	10	4
5	0	5	8	8	15
6	0	2	5	8	14
7	0	0	4	12	14
8	0	0	4	13	13
9	0	0	5	9	20
10	4	0	4	8	6
11	4	0	5	12	5
12	4	4	5	8	11
13	4	4	6	8	5
14	4	4	8	8	14
15	4	5	10	14	11
16	4	4	8	14	4
17	4	4	9	6	4
18	4	4	10	13	4
19	4	4	13	12	4
20	4	4	12	8	5
21	4	5	10	8	3
22	4	5	9	9	10
23	4	5	8	8	9
24	4	6	6	7	10
25	4	5	8	16	8
26	4	7	6	8	8
27	4	7	5	12	10
28	4	7	8	8	5
29	4	8	5	8	6
30	4	9	6	8	6
31	4	....	8	7	....
Mean	3	4	7	9	9
Max.	4	9	13	16	20
Min.	0	0	4	6	3
A.F.	175	250	458	583	514

Water diverted 2315 A. F.

TRI-STATE CANAL SPILL
Mitchell Spillway—
Sec. 35-23-56 W.

TRI-STATE CANAL SPILL Toohey Spillway—Sec. 19-23-56 W.					
Date	May		July	Sept.	
	May	June		Aug.	Sept.
1	9	0	0	0	0
2	9	0	0	0	0
3	13	0	0	0	0
4	13	0	0	0	0
5	13	0	0	0	0
6	13	0	0	0	0
7	5	0	0	0	0
8	5	0	0	0	0
9	0	0	0	0	0
10	1	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	....	0	....	....
Mean	3	0	0	0	0
Max.	13	0	0	0	0
Min.	0	0	0	0	0
A.F.	160	0	0	0	0

TRI-STATE CANAL SPILL Mitchell Spillway— Sec. 35-23-56 W.					
Date	May		July	Sept.	
	May	June		Aug.	Sept.
1	4	0	0	0	0
2	4	0	0	0	0
3	4	0	0	0	0
4	4	0	0	0	0
5	3	0	0	0	0
6	3	70	0	0	0
7	4	50	0	0	0
8	58	0	0	0	0
9	5	0	0	0	0
10	1	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	....	0	....	....
Mean	3	4	0	0	0
Max.	58	70	0	0	0
Min.	0	0	0	0	0
A.F.	178	238	0	0	0

Total acre-feet 160.

Total acre-feet 416.

(See next page for summary in acre-feet of Tri-State Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

TRI-STATE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River:—							
At rating station.....	5675	26589	48245	41523	23524	23681	169237
Lateral No. 1.....	*	165	234	151	188	194	932
Lateral No. 2.....	*	149	337	163	278	176	1103
Lateral No. 3.....	*	0	123	54	8	0	185
Subtotal	5675	26903	48939	41891	23998	24051	171457
Diverted from Drains:—							
Sheep Creek	3237	1995	1910	3249	3203	3267	16861
Akers Draw	250	428	583	587	563	536	2947
Tub Springs	303	371	662	801	1047	835	4019
Spotted Tail Creek, Dry.....	357	0	309	635	1023	835	3159
Spotted Tail Creek, Wet.....	504	204	252	264	371	545	2140
Moffat Drain	0	0	0	0	0	0	0
Alliance Drain and lateral from Alliance Drain.....	335	175	250	458	583	514	2315
Subtotal	4986	3173	3966	5994	6790	6532	31441
Total diverted from river and drains	10661	30076	52905	47885	30788	30583	202898
Spilled to:—							
Toohcy Spillway	0	160	0	0	0	0	160
Mitchell Spillway	0	178	238	0	0	0	416
Nine Mile Drain.....	*	*	*	*	*	*	*
Red Willow Creek.....	*	*	*	*	*	*	*
Total spill	*	338	238	0	0	0	576
Net diverted	10661	29738	52667	47885	30788	30583	202322
Diverted for Northport Irrig. Dist.....	0	0	5944	8390	10163	0	24497
Net for Farmers Irrig. Dist.....	10661	29738	46723	39495	20625	30583	177825

*No record.

TRI-STATE CANAL--D-918						
Daily Diversions from All Sources						
Date	Oct.	May	June	July	Aug.	Sept.
1	556	0	950	880	297	572
2	476	0	979	850	421	508
3	489	0	1008	861	310	481
4	489	0	885	863	237	475
5	491	0	725	810	268	514
6	485	0	604	886	289	496
7	454	0	567	892	287	490
8	458	72	320	895	287	473
9	238	96	569	889	268	577
10	82	94	616	841	258	552
11	83	86	603	840	259	574
12	83	104	599	755	300	509
13	83	217	568	665	297	502
14	75	376	585	632	307	520
15	68	487	579	666	310	503
16	68	650	776	810	261	513
17	68	887	791	738	281	486
18	67	924	772	725	258	505
19	67	918	873	584	246	493
20	67	899	950	302	263	461
21	67	881	940	385	372	451
22	66	859	933	437	346	471
23	66	844	920	459	338	460
24	65	791	882	460	370	500
25	20	787	1021	382	432	601
26	0	813	790	422	480	583
27	0	827	881	456	438	512
28	0	834	874	456	417	489
29	0	846	866	444	410	568
30	0	886	893	345	481	580
31	0	900	.....	238	512	.....
Mean	169	486	777	640	332	513
Max.	556	924	1021	895	481	601
Min.	0	0	320	238	237	451
A. F.	10375	29907	46253	39414	20365	30583
Water diverted	176897 A. F.					

DISCHARGE OF CANALS IN SECOND-FEET, 1910—Continued

TRI-STATE CANAL—D-918
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted for D-918 from all sources..	10375	29907	46253	39414	20365	30583	176897
Spill	*	338	238	0	0	0	576
Net for D-918.....	10375	29569	46015	39414	20365	30583	176321

Area reported 62632 acres.

Net diverted 176321 A. F. including storage.

Per acre 2.82 A. F.

Storage diverted 0 A. F.

TRI-STATE CANAL—A-660
Daily Diversions from All Sources

Date	Oct.	May	June	July	Aug.	Sept.
1	20	0	0	0	3	0
2	16	0	0	0	8	0
3	17	0	0	0	39	0
4	17	0	0	0	0	0
5	17	0	0	0	24	0
6	17	0	0	0	2	0
7	17	0	29	0	0	0
8	6	1	16	0	0	0
9	0	2	29	0	0	0
10	0	2	32	0	0	0
11	0	1	31	0	0	0
12	0	2	29	0	0	0
13	0	8	27	0	0	0
14	0	16	28	0	0	0
15	0	22	27	0	0	0
16	0	31	36	0	23	0
17	0	0	37	0	0	0
18	0	0	36	0	0	0
19	0	0	0	0	0	0
20	0	0	0	0	0	0
21	0	0	0	0	0	0
22	0	0	0	0	0	0
23	0	0	0	0	0	0
24	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	0	0	0	32	0
27	0	0	0	0	0	0
28	0	0	0	0	0	0
29	0	0	0	0	0	0
30	0	0	0	0	0	0
31	0	0	....	40	0	....
Mean	5	3	12	1	4	0
Max.	20	31	37	40	39	0
Min.	0	0	0	0	0	0
A.F.	286	169	708	79	260	0

Area reported 3644 acres.

Water diverted 1502 A. F. including storage.

Per acre 0.41 A. F.

Storage diversions 339 A. F.

REPORT OF THE STATE ENGINEER

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

UNION CANAL
Diverted from Blue Creek and Crescent Lake—
A-1575

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	8	1	0	20	0	0	0
2	7	1	0	23	0	0	0
3	3	1	0	22	0	0	0
4	3	1	0	19	0	0	0
5	4	1	0	10	0	0	0
6	7	0	0	8	8	0	0
7	8	0	0	6	16	17	0
8	8	0	0	4	16	19	0
9	8	1	0	7	15	19	0
10	8	2	0	6	16	18	3
11	4	3	0	6	15	17	13
12	4	4	0	3	0	16	17
13	8	0	0	6	0	18	18
14	8	0	0	8	0	16	18
15	15	0	0	10	0	15	19
16	14	0	0	9	0	18	19
17	14	0	8	11	0	17	18
18	10	0	8	14	0	18	18
19	7	0	9	14	0	16	17
20	6	0	11	14	0	14	17
21	3	0	11	14	0	0	16
22	3	0	12	18	0	0	13
23	3	0	13	15	0	0	13
24	1	0	10	15	0	0	17
25	1	0	9	18	0	0	16
26	1	0	9	16	0	0	14
27	1	0	10	7	0	0	12
28	1	0	12	0	0	0	12
29	0	0	14	0	0	0	9
30	0	0	16	0	0	0	14
31	0	0	17	0	0	0	0
Mean	5	0.5	5	11	3	8	10
Max.	15	4	17	23	16	19	19
Min.	0	0	0	0	0	0	0
A.F.	333	30	335	641	171	472	621

Area reported 1183 acres.
Water diverted 2603 A.F.
Per acre 2.20 A. F.
No diversions from Crescent Lake.

Acreage Reported
D-763 1183

WESTERN CANAL
Diverted from South Platte River

Date	Oct.	Nov.	Dec.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32	49	60	0	44	60	47	26	23	22
2	32	49	74	0	57	59	47	29	22	17
3	37	49	84	0	78	51	46	29	22	19
4	38	51	92	0	100	46	42	29	23	23
5	37	51	92	0	89	44	40	26	23	24
6	37	49	90	0	64	44	44	26	22	24
7	37	53	70	0	66	44	103	24	22	23
8	40	53	66	0	64	44	94	23	22	23
9	47	53	66	0	55	44	89	23	22	24
10	45	53	62	0	53	40	80	23	19	24
11	47	55	62	0	62	39	70	24	19	24
12	49	55	61	0	62	37	66	31	20	24
13	49	55	68	0	59	37	66	26	20	24
14	49	55	64	0	72	35	62	28	19	23
15	51	55	62	0	64	37	55	31	20	24
16	51	57	61	0	61	42	49	29	23	23
17	51	57	62	0	64	44	47	29	26	24
18	51	58	60	0	66	44	42	28	28	23
19	51	58	60	20	61	44	39	28	22	23
20	53	58	62	81	57	44	37	24	23	23
21	53	58	62	64	57	44	34	23	24	22
22	53	58	66	64	59	40	34	22	24	22
23	53	58	50	62	57	42	32	22	24	23
24	53	57	0	59	59	42	32	22	24	24
25	53	57	0	57	57	42	32	22	29	24
26	49	57	0	57	55	47	31	22	26	24
27	49	57	0	53	53	51	29	22	24	26
28	51	58	0	49	37	55	29	22	24	28
29	51	57	0	39	47	51	28	23	23	28
30	51	57	0	34	62	51	24	23	23	28
31	51	0	0	26	0	49	0	23	22	0
Mean	47	55	50	21	61	45	49	25	23	24
Max.	53	58	92	81	100	60	103	31	29	28
Min.	32	49	0	0	37	35	24	22	19	17
A.F.	2878	3267	3098	1319	3652	2763	2916	1551	1402	1404

Area reported 12534 acres.
Water diverted 24250 A. F.
Per acre 1.93 A. F.

Acreage Reported
A-393 11770
A-1804 764

Total 12534

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

WHITNEY RESERVOIR—
WHITNEY IRRIGATION DISTRICT

Diverted from White River, Storage in acre-feet

Date.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. 6295	May	June
1								
2		1200					8065	
3								
4								
5								
6			2530			6520	8235	
7					5135			
8								
9						6595	8340	
10				3820				
11								
12								
13			2820		5470			
14							8575	
15								
16		1850						
17								
18								6295
19					5770	7310		
20				4340				
21					5945			
22								
23								
24								
25								
26					5995			
27								
28								
29	500		3220		6145			
30								
31								

WINTERS CREEK CANAL
Diverted from North Platte River

Date	Oct.	May	June	July	Aug.	Sept.
1	0	0	15	30	22	18
2	0	0	15	32	27	20
3	0	0	14	30	28	29
4	0	0	15	21	27	28
5	0	0	13	16	27	20
6	0	0	4	15	28	20
7	0	0	4	21	25	24
8	0	0	4	24	33	22
9	0	0	4	17	36	20
10	0	0	4	18	36	19
11	0	0	4	21	32	17
12	0	0	2	24	32	15
13	0	0	0	22	34	11
14	0	0	0	18	29	10
15	0	0	0	16	26	13
16	0	8	8	22	27	14
17	0	17	17	15	28	16
18	0	19	12	14	26	17
19	0	18	17	12	25	16
20	0	20	28	14	24	22
21	0	26	32	17	26	21
22	0	36	34	16	28	28
23	0	25	31	16	24	26
24	0	16	30	21	22	14
25	0	16	35	28	23	9
26	0	15	38	9	23	7
27	0	14	37	0	21	7
28	0	15	35	0	26	4
29	0	14	30	0	23	0
30	0	12	8	7	20	0
31	0	12	.....	24	20	.....
Mean	0	9	16	17	27	16
Max.	0	36	38	32	36	29
Min.	0	0	0	0	20	0
A.F.	0	561	972	1071	1648	972

Water diverted 5224 A. F.

WINTERS CREEK CANAL
Diverted from Winters Creek

Oct.	May	June	July	Aug.	Sept.
0	0	26	53	52	34
0	0	25	38	31	40
0	0	23	26	30	48
0	0	27	17	32	44
0	0	46	17	32	32
0	0	3	24	32	27
0	0	0	26	32	32
0	0	0	30	36	36
0	0	0	34	35	30
0	0	0	31	37	12
0	0	0	33	41	11
0	0	0	32	39	16
0	0	0	33	41	19
0	0	0	35	39	18
0	0	0	36	40	19
0	20	3	28	45	16
0	19	28	34	49	16
0	32	38	23	60	26
0	38	40	21	61	30
0	30	35	23	56	30
0	36	36	26	56	30
0	39	35	30	46	32
0	26	41	32	44	39
0	23	37	34	47	17
0	24	41	34	37	5
0	27	42	10	37	1
0	26	41	0	38	0
0	26	46	0	38	0
0	25	42	0	37	0
0	26	50	19	39	0
0	28	.....	36	40	.....
0	14	23	26	41	22
0	39	50	53	61	48
0	0	0	0	30	0
0	883	1398	1616	2497	1309

Water diverted 7703 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Continued

WINTERS CREEK LATERAL Diverted from Winters Creek					WINTERS CREEK CANAL Diverted from Minature Drain						
Date	May	June	July	Aug.	Sept.	Oct.	May	June	July	Aug.	Sept.
1	0	5	2	8	2	5	4	2	3	3	1
2	0	5	3	6	0	6	4	2	3	1	3
3	0	5	3	9	0	7	4	2	4	4	1
4	0	9	0	9	0	8	4	2	4	4	0
5	0	9	0	9	0	7	4	2	3	1	0
6	0	0	0	9	0	5	4	2	4	2	1
7	0	0	0	6	8	3	4	2	4	3	4
8	0	0	6	8	8	3	3	2	3	3	4
9	0	0	4	8	12	2	3	2	3	4	1
10	0	0	7	8	12	1	3	2	4	4	4
11	0	0	7	8	5	0	3	2	2	2	0
12	0	0	7	8	5	0	3	2	2	2	3
13	0	0	7	8	5	0	3	2	2	3	4
14	0	0	7	6	5	0	3	2	3	4	4
15	0	0	7	8	5	0	3	2	2	2	3
16	4	6	7	8	5	0	3	2	4	2	3
17	5	7	8	0	5	0	4	2	0	3	5
18	4	7	4	0	0	0	4	2	0	4	5
19	5	8	0	0	0	0	4	2	0	4	3
20	7	8	0	0	4	0	4	3	3	0	3
21	6	6	0	0	4	0	4	3	3	3	4
22	6	6	5	5	0	0	4	3	4	5	5
23	4	7	8	6	0	0	4	3	5	2	5
24	5	6	7	8	0	0	4	3	4	4	5
25	4	6	5	7	2	0	3	4	2	3	5
26	4	5	0	5	2	0	3	3	2	4	6
27	6	5	0	9	2	0	3	4	0	1	6
28	4	5	0	4	2	0	3	2	0	1	6
29	6	5	0	7	2	0	3	2	0	3	6
30	6	3	8	8	2	0	3	1	2	3	5
31	6	....	8	2	....	0	3	....	3	3	....
Mean	3	4	4	6	3	2	3	2	3	3	4
Max.	7	9	8	9	12	8	4	4	5	4	6
Min.	0	0	0	0	0	0	3	1	0	0	0
A.F.	163	246	238	371	192	93	212	135	161	172	228
Water diverted	1210 A. F.					1001 A. F.					

WINTERS CREEK CANAL Diverted from Scottsbluff Drain No. 1							
Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	5	3	*	0	5	2	0
2	3	3	*	0	5	1	0
3	3	3	*	0	0	1	0
4	3	3	*	0	0	1	0
5	3	3	*	0	0	1	0
6	3	3	*	0	0	2	0
7	3	3	*	0	0	2	0
8	3	3	*	0	0	2	0
9	3	3	*	0	0	1	0
10	3	3	*	0	2	2	0
11	3	3	*	0	4	2	0
12	3	2	*	0	0	2	0
13	3	2	*	0	0	2	0
14	3	2	*	0	0	2	0
15	3	0	*	0	0	2	1
16	3	0	*	0	0	2	1
17	3	0	*	3	0	1	2
18	3	0	*	4	0	2	2
19	2	0	*	5	0	1	2
20	2	0	*	5	0	1	1
21	2	0	*	5	0	2	1
22	2	0	*	5	0	3	0
23	2	0	*	5	2	2	0
24	2	0	*	5	4	2	0
25	2	0	*	5	2	1	0
26	2	0	*	5	0	1	0
27	2	0	*	5	0	1	0
28	2	0	*	5	0	1	0
29	3	0	*	5	2	1	0
30	3	0	*	5	2	1	0
31	3	....	*	....	2	1	....
Mean	3	1	*	2	1	2	0.3
Max.	3	3	*	5	5	3	2
Min.	2	0	*	0	0	1	0
A.F.	165	77	*	133	60	95	20
Water diverted	550 A. F.						

*No record.

DISCHARGE OF CANALS IN SECOND-FEET, 1940—Concluded

WINTERS CREEK CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from:—								
North Platte River.....	0	0	561	972	1071	1648	972	5224
Winters Creek:—								
Main Canal	0	0	883	1398	1616	2497	1309	7703
Factory Lateral	0	0	163	246	238	371	192	1210
Minatre Drain	93	0	212	135	161	172	228	1001
Scottsbluff Drain No. 1.....	165	77	*	133	60	95	20	550
Total diverted	258	77	1819	2884	3146	4783	2721	15688
Spill:—								
Main Canal to Winters Creek	*	*	*	*	*	*	*	*
Lateral No. 9.....	*	*	*	*	*	*	*	*
To Minatare Drain.....	*	*	*	*	*	*	*	*
Factory Lateral to Winters Creek	*	*	*	*	*	*	*	*
Total spill	*	*	*	*	*	*	*	*
Net for irrigation.....	258	77	1819	2884	3146	4783	2721	15688

Area reported 5345 acres.

Net diverted 15688 A. F.—incomplete record.

Per acre 2.94 A. F.

*No record.

Acreage Reported
D-952 5345

**THIS PAGE INTENTIONALLY LEFT
BLANK**

INDEX

BUREAU OF IRRIGATION, WATER POWER, AND DRAINAGE

A

Administration of Water.....	7
Alcova Reservoir, Daily Contents of.....	544, 564
Annual Diversions from North Platte River by Projects.....	672
Annual Flow, Summary, Streams of Nebraska.....	584
Applications: (SEE ALSO Claims and Applications)	
Canceled	136
Dismissed	139
Appropriations of Water—SEE Claims and Applications.....	18

C

Canals—SEE Hydrographical Index	
Certificates of Perfected Appropriation.....	12
Claims and Applications, by Streams in Divisions:	
No. 1-A, Platte Rivers and Tributaries.....	18
No. 1-B, Republican and Frenchman Rivers and Tributaries...	45
No. 1-C, Little Blue River and Tributaries.....	60
No. 1-D, Big Blue River and Tributaries.....	63
No. 1-E, Lodgepole Creek	71
No. 1-F, Nemaha River and Tributaries.....	76
No. 2-A Loup River and Tributaries.....	78
No. 2-B, Lower Platte, Elkhorn and Tributaries.....	93
No. 2-C, Niobrara River and Tributaries.....	102
No. 2-D, White River and Tributaries.....	113
No. 2-E, Hat Creek and Tributaries.....	122
No. 2-F, Bazille, Bow and Elk Creeks, and Tributaries.....	129
Claims and Applications Canceled.....	136
Climatological Data:	
Evaporation:	
Bridgeport	586
Keystone Dam	587
Mitchell	585
North Platte	588
Pathfinder Reservoir	585
Whalen Dam	585
Precipitation:	
Bridgeport	589
Columbus	590
Culbertson	591
Fort Robinson	591

PRECIPITATION—Continued

Genoa	591
Grand Island	590
Lexington	590
Mitchell	589
North Platte	590
Omaha	591
Oshkosh	590
Closing Orders and Requests, abstract of.....	674
Commissioners:	
List of	3
Map Showing Districts.....	16
Water Commissioners	9
Court Decisions	148
Creeks—SEE Hydrographical Index	

D

Daily Discharges of Streams—SEE Hydrographical Index	
Dams	13
Annual, in North Platte and Platte River Basins, by Projects.....	148
Discharge Measurements—SEE Hydrographical Index	
Districts—SEE Drainage Districts; Claims and Applications; Water Divisions and Commissioners' Districts; Power Districts; Irriga- gation Districts; or Rural Electrification Districts.	
Diversions:	
Analysis of, in Platte River Basin (Storage Rights).....	584
Annual, in North Platte and Platte River Basins, by Projects..	672
From Return Flow, State Line to Bridgeport.....	581
In Platte River Basin, Summary of, Guernsey to Odessa.....	582
In Platte River Basin, Net Monthly Diversions, Guernsey to Odessa, 1935-1940.....	583
Optional	131
Relocation of	134
Drainage Districts	146
Drains—SEE Hydrographical Index	
Draws—SEE Hydrographical Index	

E

Electrification Districts, Rural.....	143
Employees, List of.....	3
Evaporation:	
Bridgeport	586
Keystone Dam	587
Mitchell	585

EVAPORATION—Continued

North Platte	588
Pathfinder Reservoir	585
Whalen Dam	585
Executives and Employees, List of.....	3

F

Federal Projects	140
Fees Collected by Bureau of Irrigation.....	14

G

Gaging Stations, Descriptions of:

Arikaree River—Haigler	191
Bayard Sugar Factory Drain—Bayard.....	191
Beaver Creek—Beaver City.....	192
Birdwood Creek—Hershey	192
Blue Creek—Lewellen	193
Blue River, Big—Barnston.....	193
Blue River, Little—Endicott.....	194
Elkhorn River—Neligh	194
Elkhorn River—Waterloo	195
Frenchman River—above Champion	196
Frenchman River—below Champion	196
Frenchman River—Culbertson	197
Frenchman River—Hamlet	196
Gering Drain—Gering	197
Horse Creek—Lyman	198
Lodgepole Creek—Bushnell	198
Loup River—Columbus	199
Loup River, Middle—Arcadia	200
Loup River, Middle—St. Paul.....	201
Loup River, Middle—Sargent	199
Loup River, North—St. Paul	202
Loup River, North—Scotia	202
Loup River, North—Taylor	201
Medicine Creek—Cambridge	203
Nine Mile Drain—Minatare	203
Niobrara River—Dunlap	204
Niobrara River—Spencer	204
Niobrara River—Verdel	205
North Platte River:	
Alcova Dam, below—Wyoming	171
Bridgeport	176
Guernsey Dam, below—Wyoming.....	172

NORTH PLATTE RIVER—Continued

Henry	173
Keystone	179
Lisco	177
Minatare	175
Mitchell	174
Nine Mile Channel—Minatare	176
North Platte	180
Oshkosh	178
Pathfinder Dam, below—Wyoming.....	171
Sutherland	180
Terrington—Wyoming	173
Whalen, below—Wyoming	172
Wyoming-Nebraska Line	173
Platte River:	
Ashland	190
Brady	185
Cozad	186
Duncan	190
Grand Island	189
Odessa	188
Overton	187
Pumpkinseed Creek—Bridgeport	206
Red Willow Creek—Bayard	206
Red Willow Creek—Red Willow.....	207
Republican River:	
Bloomington	209
Colorado-Nebraska Line	207
Culbertson	209
Hardy	210
Max	208
Republican River, South Fork—Benkelman.....	207
Sappa Creek—Beaver City	210
Sheep Creek—Morrill	211
South Platte River:	
Julesburg—Colorado	181
North Platte	184
Ogallala	183
Paxton	183
White River—Chadron	212
White River—Crawford	211
Winters Creek—Scottsbluff	212
Gaging Stations, Map Showing.....	170

Graphs Showing:

Discharge of North Platte River at North Platte.....	552-554
Discharge of Platte River from Pathfinder to Ashland.....	555-557
Return Flow, Visible, North Platte River Basin.....	578
Storage Contents of Seminole, Pathfinder and Alcova Reservoirs	545, 565
Guernsey Reservoir, Daily Contents of.....	544, 566

H

Headgates, Relocations of	134
Hydrography	8
Hydrographical Index	840

I

Irrigation Districts, Public (SEE ALSO Letter of Transmittal, 10)..	140
---	-----

L

Lakes (SEE ALSO Hydrographical Index).....	353
Letter of Transmittal, Chief of Bureau.....	5
Litigation	12

M

Map of Nebraska Showing Gaging Stations.....	170
Map of Nebraska Showing Water Commissioners' Districts.....	16
Maps, Township	12

N

North Platte River (SEE ALSO Platte Rivers):

Diversions from Return Flow between State Line and Bridgeport	581
Graph Showing Discharge of the North Platte River at North Platte	552-554
Visible Return Flow between Bridgeport and North Platte.....	580
Visible Return Flow between State Line and Bridgeport.....	577, 579
Visible Return Flow, Summary, between State Line and North Platte	580

O

Observers, List of	3
Oliver Reservoir, Contents of.....	729, 806
Optional Diversions, Record of.....	131
Orders, Closing and Requests, Abstract of.....	674

P

Pathfinder Reservoir, Daily Contents.....	543, 564
Permits to Appropriate Water—SEE Claims and Applications.....	18
Permits to Relocate Water Diversions.....	134
Platte Rivers (SEE ALSO Hydrographical Index)	
Annual Diversions by Projects.....	672
Diversions from Return Flow between State Line and Bridgeport	581
Graph Showing Discharge, from Pathfinder to Ashland.....	555-557
Summary of Net Monthly Diversions for Irrigation, Guernsey to Odessa, 1935-1940	583
Summary of Water Diverted between Guernsey and Odessa.....	582
Visible Return Flow between Bridgeport and North Platte.....	580
Visible Return Flow between State Line and Bridgeport.....	577, 579
Visible Return Flow, Summary, between State Line and North Platte	580
Power Districts, Public (SEE ALSO Letter of Transmittal, 10).....	140
Precipitation:	
Bridgeport	589
Columbus	590
Culbertson	591
Fort Robinson	591
Genoa	591
Grand Island	590
Lexington	590
Mitchell	589
North Platte	590
Omaha	591
Oshkosh	590
Pump Irrigation	9

R

Relocation of Diversions, Permits for.....	134
Reservoirs (SEE ALSO Letter of Transmittal, 6):	
Alcova Reservoir, Daily Contents.....	544, 564
Crescent Lake, Description of.....	7
Graph showing Storage Contents of Seminoe, Pathfinder, and Alcova	545, 565
Guernsey Reservoir, Daily Contents.....	544, 566
Oliver Reservoir (Kimball Irrigation District):	
Contents	729, 806
Description of	6
Pathfinder Reservoir, Daily Contents.....	543, 564
Seminoe Reservoir, Daily Contents.....	543, 563

RESERVOIRS—Continued

Sutherland Reservoir:	
Daily Contents	739, 813
Description	7
Whitney Reservoir:	
Daily Contents	749, 829
Description	7
Return Flow:	
Diversions from, State Line to Bridgeport	581
Visible, between Bridgeport and North Platte.....	580
Visible, between State Line and Bridgeport.....	577, 579
Visible, North Platte River Basin, Graph Showing.....	578
Visible, Summary, between State Line and North Platte.....	580
Riparian Rights	10
Rivers—SEE Hydrographical Index	
Rural Electrification Districts.....	143

S

Sand Hill Lakes (SEE ALSO Hydrographical Index).....	353
Seeps, Sloughs, or Spillways—SEE Hydrographical Index	
Seminole Reservoir, Daily Contents.....	543, 563
Statistical Summary	13
Storage (SEE ALSO Reservoirs):	
Alcova Reservoir	544, 564
Analysis, Diversions in Platte River Basin.....	584
Guernsey Reservoir	544, 566
Oliver Reservoir	729, 806
Pathfinder Reservoir	543, 564
Sutherland Reservoir	739, 818
Seminole Reservoir	543, 563
Whitney Reservoir	749, 829
Sutherland Reservoir, Daily Contents.....	739, 818

W

Water Administration	7
Water Commissioners, List of (SEE ALSO Letter of Transmittal, 9)	3
Water Diverted between Guernsey and Odessa, Summary of.....	582
Water Diverted between Guernsey and Odessa for Irrigation, Summary of, 1935-1940.....	583
Water Divisions and Commissioners' Districts, Map Showing.....	16
Water Supply	5
Whitney Reservoir, Contents.....	749, 829

HYDROGRAPHICAL INDEX

BUREAU OF IRRIGATION, WATER POWER, AND DRAINAGE

A	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Aberdeen Canal—Frenchman River.....		358	438	680	.....
Adams Canal—Lodgepole Creek.....		358	438	.....	.....
Airedale Canal—Pumpkinseed Creek.....		358	438	.....	.....
Alcova Reservoir—SEE Platte Rivers					
Alfalfa Canal—North Platte River.....		358	438	680	752
Allen-Larned Canal—Buffalo Creek.....		359	439	.....	.....
Alliance Canal—Bayard Sugar Factory Drain.....		359	439	680	752
Alliance Canal—Camp Clark Seep.....			440	.....	.....
Alliance Canal—Red Willow Creek.....		359	439	680	753
Almeria Canal—North Loup River.....			440	.....	754
Amsberry Pump—Mud (Beaver) Creek.....			440	.....	.....
Anderson Canal—Lodgepole Creek.....		359	440	.....	.....
Andrews Canal—Andrews Reservoir.....		360	.....	.....	.....
Andrews Supply Canal—Sow Belly Creek.....		360	.....	.....	.....
Aowa Creek—Ponca			293	.....	.....
Applegate Drain		254	293	.....	.....
Arikaree River—Haigler	191	254	293	592	632
Ash Creek:					
Mariaville			294	.....	.....
Pauline			294	.....	.....
Whitney		254	293	.....	.....
Atkins-Polly Canal—Lodgepole Creek.....		360	441	681	754
Auger Creek—Elba			294	.....	.....

B

Badger Branch—Tecumseh			294	.....	.....
Bald Drain		254	294	592	632
Barber Canal—Clear Creek.....		360	441	681	754
Barrett Canal—Lodgepole Creek.....			441	.....	.....
Barron Canal, East—East Ash Creek.....		360	441	.....	.....
Barron Canal, West—East Ash Creek.....		361	441	.....	.....
Bayard Sugar Factory Drain—Bayard.....	191	255	295	593	633
Bazille Creek		255	295	.....	.....
Beal Canal—South Platte River.....			442	.....	.....
Bean Creek—Elyria			295	.....	.....
Bean Lake		353	.....	.....	.....
Bear Creek:					
Beatrice			295	.....	.....
Eli		255	295	.....	.....

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Beaver Creek:					
Albion		256	296	.....	.....
Beaver City	192	255	295	593	633
Beaver Crossing			296	.....	.....
Genoa			296	.....	.....
Beeman Creek—Riverview			296	.....	.....
Beerline Canal—North Platte River.....		361	442	682	754
Beiser Canal—Niobrara River.....		361	442	.....	.....
Bell Creek—Arlington			296	.....	.....
Belmont Canal—North Platte River.....		361	442	682	755
Belmont Feeder—Cedar Creek.....		361	443	682	755
Belmont Canal Spill—Pumpkinseed Creek.....		362	443	682	755
Bendix Canal—Sand Creek.....		362	.....	.....	.....
Bennett Canal—Niobrara River.....			443	.....	.....
Bennett Reservoir Canal—Lodgepole Creek.....		362	443	.....	.....
Bickel Canal—Lodgepole Creek.....		362	443	683	756
Bigelow-Seymour Canal—Niobrara River.....		362	444	.....	.....
Bills Creek—Blue Springs.....			296	.....	.....
Bird Cage-Quinn Canal—Pumpkinseed Creek.....		363	444	683	756
Birdwood Creek—Hershey	192	256	296	594	634
Birdwood Canal—Birdwood Creek.....		363	444	684	757
Blackwood Creek—Culbertson		256	.....	.....	.....
Bloody Run Creek—Sweetwater.....			297	.....	.....
Blue Creek—Lewellen	193	256	297	594	634
Blue Creek Canal—Blue Creek.....		363	445	684	757
Blue Lake		353	356	.....	.....
Blue River, Big:					
Barnston	193	256	297	595	635
Seward			297	.....	.....
West Fork—Beaver Crossing.....			297	.....	.....
Blue River, Little:					
Deshler		256	.....	.....	.....
Endicott	194	257	298	595	635
Oak Mill Dam.....			297	.....	.....
Powell			298	.....	.....
Bluhm Canal—Lodgepole Creek.....		364	445	.....	.....
Boelus Power Canal—Middle Loup River.....		364	445	.....	758
Boggy Creek—Wickersham Dam.....		257	298	.....	.....
Booth Canal, North—Lodgepole Creek.....		364	446	.....	758
Booth Canal, South—Lodgepole Creek.....		364	446	.....	758
Bordeaux Creek, Big.....		257	298	.....	.....
Bordeaux Creek, Little—Below Hartzell Canal.....		257	298	.....	.....
Bordwell Canal—Lodgepole Creek.....		364	446	.....	.....
Borquist Canal—Lodgepole Creek.....		365	447	.....	.....

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Bottle Creek—Beatrice			299		
Bow Creek—Wynot			299		
Bow Valley Creek—Wynot.....			299		
Brady Canal—Lodgepole Creek.....		365	447		
Brawners Creek—Fairbury			299		
Brown Creek—Loup City			299		
Browns Creek Canal—North Platte River.....		366	448	685	759
Browns Creek Channel—Bridgeport.....		218	237		
Brush Creek			299		
Buffalo Creek:					
Elm Creek		258	299	596	636
Jenkins Ranch		257	299		
Bull Drain—Maxwell		258	300	596	636
Bullock Canal—Lodgepole Creek.....		366	448		
Bushnell Canal—Lodgepole Creek.....		366	449		
Butterfly Creek—Stanton			300		

C

Cache Creek—Ewing			300		
Calamus River:					
Burwell			300		
Harrop		258	300		
Casteel Pump—Clear Creek.....			449		
Castle Rock Canal—North Platte River.....		367	449	685	759
Castle Rock Seep—Melbeta.....		258	300	597	637
Castle Rock Canal Spill.....		367	450	686	759
Cedar Branch Creek—Nevins.....		259	301		
Cedar Creek:					
Sec. 11-18-48 W.....		258	301	597	637
Elba			301		
Holmesville			301		
Rockford			301		
Above Valdez Canal.....			300		
Cedar River:					
Ericson		259	301		
Fullerton		259	302		
Central Canal—North Platte River.....		367	450	687	760
Central Canal Spill.....		368	450	687	761
Chadron Creek		259	302		
Champion Canal—Frenchman River.....		368	451	688	762
Chimney Creek—Meadville			302		
Chimney Rock Canal—North Platte River.....		368	451	688	762
Chimney Rock Canal Spill No. 1.....		369	451	688	762

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Chimney Rock Canal Spill No. 2.....		369	452	689	763
Christensen Canal, North—Lodgepole Creek.....		369	452	.....	.....
Christensen Canal, South—Lodgepole Creek.....		369	452	.....	.....
Christofferson Pump—Sheep Creek.....		370	.....	.....	.....
Circle Arrow Canal—Lodgepole Creek.....		370	453	690	764
Clatonia Creek—DeWitt	302	.....	.....
Clausen, North Side Ditch—Lodgepole Creek.....		453	.....	.....
Clear Creek:					
Sec. 32-16-41 W.....		260	302	598	638
Litchfield	303	.....	.....
Below Pible Lake.....		303	.....	.....
Westerville	303	.....	.....
Clear Creek--Ashland		260	303	.....	.....
Clear Creek Canal—Clear Creek.....		370	453	690	764
Clearwater Creek—Clearwater	303	.....	.....
Cleveland Drain		260	303	598	638
Cob Creek—Loup City.....		303	.....	.....
Cody-Dillon Canal—North Platte River.....		370	454	690	764
Coffee Canal—Hat Creek.....		371	454	.....	.....
Cold Water Canal—Cold Water Creek.....		371	454	.....	.....
Cold Water Creek.....		260	303	599	639
Cole Creek—Omaha		260	.....	.....	.....
Coleman Creek—Norden	304	.....	.....
Columbus Power Canal—Loup River.....		371	455	691	765
Contrary Creek—Salem	304	.....	.....
Cook Canal No. 1—Niobrara River.....		372	455	.....	.....
Coon Creek—Carns	304	.....	.....
Cooper and Anderson Pump—Mud (Beaver) Creek	455	.....	.....
Cottonwood Creek:					
Callaway	304	.....	.....
Dunlap		260	304	.....	.....
Wahoo	304	.....	.....
Cottonwood Creek, Big.....		261	304	.....	.....
Cottonwood Creek, Little.....		261	304	.....	.....
Council Creek	305	.....	.....
Court House Rock Canal—Pumpkinseed Creek.....		372	455	691	765
Cozad Canal—Platte River.....		372	455	692	766
Cozad Canal Spill to Dawson County Canal.....		372	456	692	766
Crane Lake		353	356	.....	.....
Crescent Lake		353	356	.....	.....
Crescent Lake Outlet Canal—Blue Creek.....		373	.....	.....	.....
Crews Canal—Republican River.....		373	456	.....	.....

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Crigler Canal—Lawrence Fork Creek.....		373	457	.....	.....
Crooked Creek—Pauline			305	.....	.....
Cross Canal—Red Willow			457	.....	.....
Cub Creek:					
Hoag			305	.....	.....
Meadville			305	.....	.....
Culbertson Canal—Frenchman River.....		373	457	693	767
Cuming Creek—Scribner			305	.....	.....

D

Dane Creek—Ord			305	.....	.....
Davis Creek—Cotesfield			305	.....	.....
Davis Pump—Lillian Creek.....			457	.....	.....
Dawson County Canal—Platte River.....		374	458	694	768
Dawson County Canal from Cozad Tail Spill.....				.....	768
Dawson County Drain—Darr.....		261	306	599	639
Dawson County Canal Spill to Buffalo Creek.....		374	.....	.....	.....
Dawson County Canal Spill to Dawson County Drain			459	.....	768
Dawson County Canal Spill to Elm Creek.....		374	458	694	770
Dawson County Canal Spill to French Creek.....		374	458	694	769
Dawson County Canal Spill to Strever Creek.....			459	695	769
Dead Horse Creek.....		261	306	.....	.....
Deer Creek:					
Boelus			306	.....	.....
Maskell			306	.....	.....
Deer Lake		353	356	.....	.....
DeGraw Drain		261	306	600	640
Delaware-Hickman Canal—Republican River.....		374	459	.....	.....
Dickinson Canal—Lodgepole Creek.....		375	459	.....	.....
Dietrich Pump—Mud (Beaver) Creek.....			460	.....	.....
Dismal River—Dunning		262	306	.....	.....
Dodd-McDowell Canal—Dodd-McDowell Reservoir		375	.....	.....	.....
Dorsett-Duke-Amsberry Pump—Mud (Beaver) Creek			460	.....	.....
Dout Brothers Canal—Jim Creek.....		375	460	.....	.....
Dringman Drain		262	307	.....	.....
Drobny Pump—Middle Loup River.....			460	.....	.....
Dry Creek:					
Deweese			307	.....	.....
Hebron			307	.....	.....
Merriman		262	307	.....	.....
Ravenna			307	.....	.....
Valley View			307	.....	.....

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Dugout Creek, Lower.....		262	307	600	.....
Dugout Creek, Upper.....		262	307	601	640

E

Eagle Creek—Paddock				308	.....	.....
Earnest Canal No. 1—Niobrara River.....		375	460	.....	.....	.....
Earnest Canal No. 2—Niobrara River.....		376	461	.....	.....	.....
Easley Creek				308	.....	.....
Elk Creek:						
Jackson				308	.....	.....
Oak				308	.....	.....
Riverview				308	.....	.....
Elkhorn River:						
Ewing				308	.....	.....
Hadar				308	.....	.....
Neligh	194	263	308	601	641	.....
Norfolk				308	.....	.....
O'Neill				262	.....	.....
Waterloo	195	263	309	602	641	.....
West Point				309	.....	.....
Elm Creek:						
Elm Creek		263	309	602	642	.....
Endicott				309	.....	.....
Ord				309	.....	.....
Elm Creek Canal—Platte River.....		376	461	696	772	.....
Elm Creek Canal Spill to Elm Creek.....				461	.....	772
Empire Canal—North Platte River.....		376	461	696	773	.....
Empire Ranch Canal—Goose Creek.....				462	.....	.....
Engelman and Lewis Pump—Mud (Beaver) Creek				462	.....	.....
Enterprise Canal—North Platte River.....		377	462	696	773	.....
Enterprise Canal—Morrill Drain		377	462	.....	.....	.....
Enterprise Canal—Stewart Drain		377	463	.....	.....	.....
Enterprise Canal—Morrill and Stewart Drains.....				.....	697	774
Enterprise Canal—Dry Spotted Tail Creek.....				463	.....	.....
Enterprise Canal—Wet Spotted Tail Creek.....		378	463	697	774	.....
Enterprise Canal—Tub Springs .....				.....	697	774
Enterprise Canal—Winters Creek		378	464	697	774	.....
Enterprise Canal Spill to Tub Springs.....				.....	698	775
Enterprise Canal Spill to Winters Creek.....		378	464	698	775	.....
Excelsior Canal—Niobrara River.....		378	464	.....	.....	.....

F	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Fairfield Seep		263	310	603	642
Fanning Seep		263	310	603	643
Farmers Canal—Frenchman River.....		379	465	.....	.....
Finch Canal—Clear Creek.....		379	.....	.....	.....
Fish Creek—Cotesfield .....		.....	310	.....	.....
Fisher Creek—West Point.....		.....	310	.....	.....
Fisher Pump—Mud (Beaver) Creek.....		.....	465	.....	.....
Follett-Krotter Canal—Frenchman River.....		379	465	699	776
Fort Laramie Canal—North Platte River, Pathfinder, and Guernsey Reservoirs.....		.....	.....	699	776
Fourmile Creek .....		.....	310	.....	.....
Franklin Drain .....		.....	310	.....	.....
Fremont Slough—North Platte.....		264	310	.....	.....
Frenchman River:					
Above Champion	196	265	311	604	643
Below Champion	196	265	312	604	644
Above Champion Canal Diversion Dam.....	.....	264	311	.....	.....
Below Champion Canal Diversion Dam.....	.....	265	311	.....	.....
Culbertson	197	266	312	605	645
Hamlet	196	265	312	605	644
Harvey Dam Site.....	.....	265	312	.....	.....
Below Inman Canal.....	.....	264	311	.....	.....
Below Krotter Canal.....	.....	266	.....	.....	.....
Above Maranville Reservoir.....	.....	264	311	.....	.....
Below Maranville Reservoir.....	.....	264	311	.....	.....
Furman Canal—Niobrara River.....		379	465	.....	.....

G

Gallup Canal—Chadron Creek.....	.....	380	466	.....	.....
Gatch Canal—Melbeta Drain.....	.....	380	466	700	776
Gering Canal—Melbeta Drain.....	.....	381	467	.....	777
Gering Canal—North Platte River.....	.....	380	466	700	777
Gering Canal Spill—Melbeta.....	.....	381	467	700	777
Gering Drain	197	266	313	606	645
Giles Canal—Goose Creek.....	.....	.....	467	.....	.....
Gillard Canal—Ash Creek .....	.....	.....	468	.....	.....
Gimlet Lake .....	.....	353	356	.....	.....
Glass Pump—Mud (Beaver) Creek.....	.....	.....	468	.....	.....
Gochnauer Canal—Big Bordeaux Creek.....	.....	.....	468	.....	.....
Goolsby Creek—Straussville .....	.....	.....	313	.....	.....
Goose Creek .....	.....	.....	313	.....	.....
Goose Lake .....	.....	354	356	.....	.....

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Gordon Creek:					
Kennedy			313		
Valentine		266	313		
Gothenburg Diversion Canal—Platte River.....		381	468	701	778
Gothenburg Irrigation Canal—Platte River.....		381	468	702	779
Gothenburg Power Return.....		382	469	702	779
Gothenburg Spill to Buffalo Creek.....				703	780
Government Spring—Ft. Robinson.....		266	314		
Gracie Creek—Valley View.....				314	
Graf Canal—Blue Creek.....		382	470	704	781
Gravel Creek:					
Sec. 9-14-36 W.....		267	314		
Elyria				314	
Greenwood Creek		267	314		
Guernsey Reservoir—SEE Platte Rivers					
Gunderson Canal—Lodgepole Creek.....			470		

H

Hackberry Creek—Spalding				314	
Hackberry Lake		354	356		
Haesler Pump—Middle Loup River.....				470	
Haines Branch—Lincoln				314	
Hale Canal—Lodgepole Creek.....		383	471		
Hall Canal—White River.....		383	471		
Hall Pump—Mud (Beaver) Creek.....				471	
Halloway-Phelps Canal—White Tail Creek.....		383	471	704	
Harper Canal—Clear Creek.....		383	472	705	781
Harris-Cooper Canal—White River.....		383	472	705	
Harris-Necce Canal—Niobrara River.....		384	472		
Harrison Lake		354			
Hartzell Canal—Little Bordeaux Creek.....		384	472		
Haskell Creek—Ord				314	
Hat Creek—Above Coffee Canal.....		267	314		
Hat Creek Canal—Hat Creek.....		384	473		
Hawthorne Creek—Arcadia				314	
Hays Creek—Arcadia				314	
Heapy Pump—Clear Creek.....				473	
Heard Canal—Pumpkinseed Creek.....		385	473		
Hershey Drain				315	
High Line Canal—Jim Creek.....		385	473		
Hitshew Canal—Niobrara River.....		385	473		
Holcombe Canal—Pawnee Creek.....		385	473	705	781
Hollingsworth Canal—South Platte River.....		385	474	705	781

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Honey Creek—Salem			315		
Hooper Canal—Blue Creek.....		386	474	706	782
Hooper Creek—Unadilla			315		
Hoover Canal—Lodgepole Creek.....		386	474		
Hopeful Canal—Lawrence Fork.....		386	474		
Horse Creek:					
Lyman	198	267	315	606	646
Pringle's Ranch		267			
Houschens Creek—Brock			315		
Howard Canal—Lodgepole Creek.....		386	475		
Hughes Canal—Niobrara River.....		386	475		
Hughes Creek—Auburn			315		
Humbug Creek—Pilger			315		
Hurley-Lilly-Polly Canal—Lodgepole Creek.....		387	475	706	782
Hutzel Canal—White Clay Creek.....		387			

I

Independent Canal—Lodgepole Creek.....		387	475		
Indian Creek:					
Northport Wye		267	316	607	646
Auburn			316		
Beatrice			316		
Beaver Crossing			316		
Max		268	316		
Wymore			316		
Inman Canal—Frenchman River.....		387	476	706	783
Interstate Canal—North Platte River.....				707	783
Island Lake		354	357		

J

Jenkins Canal—Buffalo Creek.....		388	476		
Jim Creek		268	316		
John Canal—Middle Loup River.....			476		
Johnson Canal—Lodgepole Creek.....		388	476		
Johnson Canal—Niobrara River.....		388	476		
Johnson Creek—Dorchester			317		
Jones Creek—Talmage			317		
Jones Lake		354	357		

K

Kearney Canal—Platte River.....		388	477	707	784
Kearney Power Return.....		389	477	708	784
Keith-Lincoln County Canal—North Platte River		389	478	709	785

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Keith-Lincoln County Drain.....	268	.....	.....	.....	.....
Keith-Lincoln County Canal Spill.....	389	478	709	786	.....
Kelso Canal—Big Bordeaux Creek.....	389	478	.....	.....	.....
Kent-Burke Canal—Pawnee Creek.....	389	478	710	787	.....
Keya Paha River—Naper.....	.....	317	.....	.....	.....
Keystone Canal—White Tail Creek.....	390	479	710	787	.....
Kimball Canal, North—Lodgepole Creek.....	390	479	710	787	.....
Kimball Canal, South—Lodgepole Creek.....	390	479	710	787	.....
Kimball Reservoir Canal Spill—Lodgepole Creek..	.....	479	.....	.....	.....
King Canal—Lawrence Fork Creek.....	390	479	.....	.....	.....
Kinney Canal—Lodgepole Creek.....	391	480	711	788	.....
Kite Canal—Monroe Creek.....	.....	480	.....	.....	.....
Klausen Canal—Middle Loup River.....	391	.....	.....	.....	.....
Krotter Power Canal—Frenchman River.....	391	481	712	789	.....
Krueger Canal—Lodgepole Creek.....	391	481	.....	.....	.....

L

Lakes, Sand Hill:

Bean Lake	353	.....	.....	.....	.....
Blue Lake	353	356	.....	.....	.....
Crane Lake	353	356	.....	.....	.....
Crescent Lake	353	356	.....	.....	.....
Deer Lake	353	356	.....	.....	.....
Gimlet Lake	353	356	.....	.....	.....
Goose Lake	354	356	.....	.....	.....
Hackberry Lake	354	356	.....	.....	.....
Harrison Lake	354	.....	.....	.....	.....
Island Lake	354	357	.....	.....	.....
Jones Lake	354	357	.....	.....	.....
Roundup Lake	355	357	.....	.....	.....
Rush Lake	355	357	.....	.....	.....
Smith Lake	355	357	.....	.....	.....
Swan Lake	355	357	.....	.....	.....
LaBelle Canal—Niobrara River.....	392	482	.....	.....	.....
Laing Canal—Lawrence Fork.....	393	482	.....	.....	.....
Lakota Canal—Niobrara River.....	393	482	.....	.....	.....
Lane Drain	268	317	607	647	.....
Lang Pump—Mud (Beaver) Creek.....	.....	483	.....	.....	.....
Larabee Creek	268	317	.....	.....	.....
Last Chance Canal—Pumpkinseed Creek.....	393	483	712	790	.....
Laughing Water Creek.....	.....	317	.....	.....	.....
Laughran and Bell Canal—Victoria Creek.....	.....	483	.....	.....	.....
Lawrence Fork Creek.....	268	317	.....	.....	.....

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Lee Canal—Gordon Creek.....			483		
Lee Creek—Arcadia			317		
Leininger Pump—Middle Loup River.....		393	483		
Leonard Pump—Coon Creek.....			484		
Leonard Pump—Laughing Water Creek.....			483		
Libby Canal—Lodgepole Creek.....		393	484		
Lichte Canal—Niobrara River.....		394	485		
Lillian Creek—Walworth			318		
Lime Creek—Maskell			318		
Lincoln County Drain No. 1—North Platte.....		269	318	608	647
Lincoln County Drain No. 2.....		269	318	608	648
Lincoln Creek—Staplehurst			318		
Lisco Canal—Cold Water Creek.....				713	790
Lisco Canal—North Platte River.....		395	485	713	791
Lisco Canal Spill				713	
Little Red Creek—Above Zerbst Canal.....			318		
Lodgepole Creek:					
Above Bordwell Canal.....		270	320		
Below Bordwell Canal.....		270	320		
Above Borquist Canals.....		270			
Below Borquist Canals.....		270	320		
Bushnell	198			609	648
Chappell		271	321		
Dix		270	319		
Above and Below Hale Canals.....		270	320		
Kimball		269	319		
Above Krueger's Lake.....		271	320		
Below Krueger's Lake.....		271	320		
Lodgepole		271	321		
Above Oliver Reservoir.....		269	319		
Below Oliver Reservoir.....		269	319	609	649
Potter		270	319		
Ralton		272	321		
Rock Pile—Sec. 33-14-48 W.....		271	321		
Sidney		270	319		
Sunol		271	321		
Wyoming-Nebraska Line		269	318		
Logan Canal—Pumpkinseed Creek.....		395	485		
Logan Creek—Winslow			321		
Logan Creek, Middle—Laurel.....			322		
Loneragan Creek—Lemoyne		272	322	610	649
Loneragan Canal—Loneragan Creek.....		395	486	714	792
Long Branch- Humboldt			322		
Long Pine Creek—Riverveiw.....			322		

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Longs Creek—Auburn			322		
Looking Glass Creek.....			322		
Loseke Creek—Neboville			322		
Lost Creek		272	322	610	650
Loup City State Recreational Park Canal— Middle Loup River.....		395			
Loup River:					
Columbus	199	272	323	611	650
Genoa			323		
Loup River, Middle:					
Arcadia	200	273	324	612	651
Boelus		274	324		
Dunning			323		
Sargent	199	273		611	
St. Paul	201	274	324	612	651
Walworth			323		
Loup River, North:					
Burwell		275			
Ord		275			
Scotia	202	275	325	613	652
St. Paul	202	275	326	614	653
Taylor	201	274	325	613	652
Loup River, South:					
Calloway		275	326	614	653
Ravenna			326		
Louse Creek—Redbird			326		
Luck Creek—Riverview			326		
Lundy (Doris) Power Canal—Middle Loup River..			486		
Luther Pump—Mud (Beaver) Creek.....			486		
Lynholm Canal—Lodgepole Creek.....		395	486		
Lyons Canal—North Platte River.....		395	487	715	792

M

McAuliffe Canal—Lodgepole Creek.....		396	487		
McCarthy Canal—White Tail Creek.....		396	487	715	792
McFarland Canal—White Clay Creek.....		396			
McGill Creek—Norden			326		
McGinley-Stover Canal—Niobrara River.....		396	488		
McGraw Canal—Victoria Creek.....			488		
McGuire Slough		276	326		
McIntosh Canal—Lodgepole Creek.....		397	488	715	792
McLaughlin Canal—Lodgepole Creek.....		397	489		
McLaughlin Canal—Niobrara River.....		397	489		

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
McMillan Canal—Middle Loup River.....		398	489	.....	.....
McMurtry Canal—Gordon Creek.....			489	.....	.....
Mackelroy Creek—Verdon			326	.....	.....
Maple Creek—Nickerson			327	.....	.....
Maples Canal—Tucker Creek.....			489	.....	.....
Maranville Canal—Frenchman River.....		398	490	716	793
Martens Pump—Big Bordeaux Creek.....		398	490	.....	.....
May Pump—South Loup River.....			490	.....	.....
Medicine Creek—Cambridge	203	276	327	615	654
Meeker Canal—Republican River.....		398	490	716	793
Meglemre Canal—Greenwood Creek.....		398	490	.....	.....
Melbeta Drain		276	327	615	654
Meredith-Ammer Canal—Pumpkinseed Creek.....		399	491	717	794
Meridian Canal—Niobrara River.....		399	491	.....	.....
Meskenthine Creek—Stanton			327	.....	.....
Messenger Creek—Sumter			327	.....	.....
Mettlen Canal—Niobrara River.....		399	491	.....	.....
Middle Creek—Norden			327	.....	.....
Middle Creek—Lincoln			328	.....	.....
Middle Loup Public Power & Irrigation District:					
Canal No. 1—Middle Loup River.....		399	492	717	795
Canal No. 2—Middle Loup River.....		400	492	718	795
Canal No. 3—Middle Loup River.....		401	493	718	796
Canal No. 4—Middle Loup River.....		402	494	719	796
Spill from Canal No. 1.....		402	495	.....	.....
Spill from Canal No. 2.....		403	495	.....	.....
Spill from Canal No. 3.....		403	496	.....	.....
Spill from Canal No. 4.....		404	497	.....	.....
Midland-Overland Canal—North Platte River.....		404	497	720	797
Miller Branch—Wahoo			328	.....	.....
Minatare Canal—North Platte River.....		404	498	720	797
Minatare Canal Spill near McGrew.....		405	498	720	798
Minnechaduzza Creek—Valentine		276	328	.....	.....
Mira Creek—North Loup			328	.....	.....
Mitchell Canal—Lodgepole Creek			500	.....	.....
Mitchell Canal—North Platte River.....		405	499	721	799
Mitchell Factory Canal—Dry Spotted Tail.....		406	499	.....	.....
Mitchell Factory Canal Spill.....		406	500	.....	.....
Mitchell Highway Drain.....		276	.....	.....	.....
Moffatt Drain		277	328	.....	.....
Monroe Canal, Big—Monroe Creek.....		406	501	.....	.....
Monroe Creek—Below Monroe Canal.....		277	328	.....	.....
Montague Canal—Niobrara River.....		407	501	.....	.....
Montgomery Canal—Sow Belly Creek.....		407	501	.....	.....

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Moon Creek—Loup City.....			328		
Moore Canal—Niobrara River.....		407	501		
Morrison Pump—Wiggle Creek.....			502		
Mortensen Pump—Mud (Beaver) Creek.....			502		
Mud Creek—Holmesville			328		
Muddy Creek:					
Ansley			328		
Berwyn			328		
Falls City			329		
Hazard		277	329		
Preston			329		
Ravenna			329		
Mulshoe Creek—Norden			329		
Munson Creek—Elba			329		
Mutual Canal—Pumpkinseed Creek.....		408	502	722	799
Myers Canal—Victoria Creek.....			502		
Myers Canal—Lillian Creek.....			502		

N

Naslund Canal—Lodgepole Creek.....		408	502		
Nelson Canal—Greenwood Creek.....		408	503		
Nelson Pump—Mud (Beaver) Creek.....			503		
Nemaha River, Big:					
Preston			329		
Salem			329		
Tecumseh			329		
Nemaha River, Little:					
Auburn			330		
Talmage			330		
Neuman Canal—Lodgepole Creek.....		408	503		
Newton Canal—North Loup River.....			504		800
Niehus Canal—Lawrence Fork Creek.....		408	504		
Nielson-Coulter Canal—Pumpkinseed Creek.....			504		
Nine Mile Canal—North Platte River.....		409	505	722	800
Nine Mile Canal—Nine Mile Drain.....			505		800
Nine Mile Drain—Minatare.....		203	277	330	616 655
Nine Mile Channel—Minatare.....		176	216	235	
Niobrara River:					
Agate		278	331		
Dunlap		204	278	331	616 655
Gordon			278	331	
Harrison			277	331	
Marsland			278	331	

NIOBRARA RIVER--Continued	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Below Moore Canal		279			
Spencer	204		332		656
Below Dam at Valentine.....		279	332		
Valentine		279	332		
Verdel	205	279	332	617	656
Below Mouth of Whistle Creek.....		278	331		
Wyoming-Nebraska State Line.....		277	331		
Nissen Canal—Sand Creek.....		409	505	722	
Norman-Barron Canal—East Ash Creek.....		409	505		
Norman Canal—Indian Creek.....		410			
North Loup River Public Power and Irrigation District:					
Taylor-Ord Canal—North Loup River.....		410	505	723	801
Burwell-Sumter Canal—North Loup River....		410	506	723	802
Ord-North Loup Canal—North Loup River....		410	507	724	802
Spill from Taylor-Ord Canal.....		411	508		
Spill from Burwell-Sumter Canal.....			508		
Spill from Ord-North Loup Canal.....		411	508		
North Platte Canal—North Platte River.....		411	508	725	803
North Platte Canal Spill—Cook Spillway.....		411	509	725	804
North Platte Canal Spill—North Platte.....		412	510		
North Platte Canal Spill—Scout Creek.....		411	509	726	804
North Platte River—SEE Platte Rivers					
Northport Canal—North Platte River.....		412	510	727	805
Northport Canal Spill—Indian Creek.....				727	
Northport Canal Spill—Plum Creek.....				728	
Northport Canal Spill—Silvernail Drain.....				727	
Northport Canal Spill—Upper Dugout Creek.....				727	
North River Canal—North Platte River.....			510		

O

Oak Creek:					
Dannebrog			332		
Lincoln		279	333		
Springranch			332		
Oak Mill Race—Meyer Power Plant—					
Little Blue River			510		
Oberfelder Canal—Lodgepole Creek.....		412			
O'Donnell Canal—Big Bordeaux Creek.....		412	510		
Oliver Bros. Canal—Frenchman River.....		412			
Oliver Reservoir—Lodgepole Creek (Storage 729, 806)					
Omaha Creek—Homer			333		

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Orchard-Alfalfa Canal—Platte River.....		412	511	729	806
Oshkosh Canal—North Platte River.....		413	511	730	807
Otter Creek—Lemoyne		280	333	617	657
Otter Creek Canal—Otter Creek.....		413	511	730	807
Owasco Canal—Lodgepole Creek.....		413	512	730	807
Owasco Canal (Bay State Lateral)— Lodgepole Creek		413	512	731	807
Ox Bow Creek—Angus.....			333		
Ox Yoke Canal—Ash Creek.....		414	512		

P

Paisley Canal—Blue Creek.....		414	512	732	808
Parks Canal—Republican River.....		414	513		
Pathfinder Reservoir—SEE Platte Rivers					
Patrick Canal—Sand Creek.....		414	513	732	809
Pawnee Creek		280	333	618	657
Paxton-Hershey Canal—North Platte River.....		415	513	732	809
Paxton-Hershey Canal Spill.....			514		809
Pebble Creek—Scribner			333		
Pepper Creek—Dunlap			334		
Perrin Creek—Laurel			334		
Perry Pump—Mud (Beaver) Creek.....			514		
Persinger Canal—Lodgepole Creek.....		415	514		
Peters Canal—Pumpkinseed Creek.....		415	514		
Peterson Pump—Strever Creek.....		415			
Phelps County Canal—Platte River.....		415	514	733	810
Pigeon Creek—Homer			334		
Pine Creek—Colclessor Mill.....		280	334		
Pioneer Canal—Niobrara River.....		416	514		
Pishel Creek—Pishelville			334		
Platte Rivers:					

Platte River, North:

Seminole Reservoir (Storage 543, 563)					
Pathfinder Reservoir (Storage 543, 564)	171				
Alcova Reservoir (Storage 544, 564)	171				
Guernsey Reservoir (Storage 544, 566)	172				
Outflow Guernsey Reservoir.....				546	566
Below Whalen	172			546	567
Torrington	173	213	232	547	
Wyoming-Nebraska Line	173	213	232	547	567
Below Gering Spillway.....		214	233		
Below Tri-State Diversion Dam.....		215	233		
Enterprise Headgate			233		

PLATTE RIVER, NORTH—Continued	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Mitchell	174	215	234	548	568
Winters Creek Canal Headgate.....			234		
Minatare Canal Headgate.....			234		
Castle Rock Canal—Sec. 3-21-54 W.....			234		
Minatare	175	215	235	548	568
Nine Mile Channel.....	176	216	235		
Belmont Canal Headgate.....			236		
Bridgeport	176	217	236	549	569
Lisco	177	219	239	549	569
Oshkosh	178	220	239	550	570
Keystone	179	220	240	550	570
Sutherland	180	221	241	551	571
North Platte	180	221	241	551	571
Platte River, South:					
Julesburg	181	222	242	558	572
Big Springs		225			
Brule		225			
Ogallala	183	225	245	558	
Paxton	183	225	245	559	572
North Platte	184	226	246	559	575
Platte River:					
Brady	185	226	246	560	573
Cozad	186	228	249	560	574
Overton	187	229	251	561	574
Odessa	188	229	251	561	575
Grand Island	189	230	252	562	575
Duncan	190	230	252	562	576
Ashland	190	231	253	563	576
Pleasant Run—Stanton			334		
Plum Creek:					
Sec. 10-19-49 W.....		280	334	618	658
Barnston			335		
Fullerton			334		
Meadville			334		
Seward			335		
West Point			335		
Ponca Creek—Verdel			335		
Potmesil Canal—Niobrara River.....		416	515		
Prairie Creek—Silver Creek.....			335		
Prairie Dog Creek.....		280			
Premier Canal—Lodgepole Creek.....		416	515		
Pressey Pump No. 2—South Loup River.....			515		

	Gaging Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Pumpkinseed Creek:					
Sec. 12-19-50 W.....	206	281	336	619	658
Gering-Kimball Highway		280	335		
Below Nielson-Coulter Canal.....			335		
Above Heard Canal		281			
Below Mosier Dam.....		281			
Below Mutual Canal.....		281	335		
North of Redington.....		281			
Below Round House Rock Canal.....		281			
South of Bridgeport.....		281	335		

R

Radcliffe Canal—Cedar Creek.....		417			
Ralton Canal—Lodgepole Creek.....		417	515		
Ramshorn Canal—North Platte River.....		417	516	733	810
Randall Canal—Lawrence Fork Creek.....		417	516		
Rankin Canal—Middle Loup River.....		418	516		
Rasher Canal—White River.....		418	517		
Rattlesnake Creek—Dawson			336		
Rawhide Cutoff—Elk City.....			336		
Redbird Creek—Redbird			336		
Red Willow Creek:					
Bayard	206			619	659
Below Wild Horse Drain.....		282	337		
North of McCook.....			337		
Red Willow	207	282	337		659
Republican River:					
Bloomington	209	284	339	622	662
Colorado-Nebraska Line	207	282	337	620	660
Culbertson	209	284	338	621	661
Hardy	210	284	339	622	662
Max	208	283	338	621	661
McCook		284	339		
North Fork—Benkelman		282	338		
South Fork—Benkelman	207	283	338	620	660
Richman Creek—Riverview			339		
Riverside Canal—Frenchman River.....		418	517	733	811
Rock Creek:					
Auburn			340		
Beemer			340		
Greenwood			340		
Mariaville			339		

ROCK CREEK—Continued	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Meadville			339		
Parks		285	339		
Salem			340		
Rose Creek—Endicott			340		
Round Grove Creek—Humboldt.....			340		
Round House Rock Canal—Pumpkinseed Creek..		418	517	734	811
Roundup Lake		355	357		
Runge Canal—Lodgepole Creek.....		418	517		
Rush Creek Canal—North Platte River.....		419		734	
Rush Lake		355	357		
Russell Creek Unadilla			340		
Ruttner Canal—Lodgepole Creek.....		419	518		
Ruttner Canal, New—Lodgepole Creek		419	518	735	812

S

Salt Creek—Ashland			340		
Sand Creek:					
Sec. 10-15-40 W.....		285	340	623	663
Callaway			341		
Redbird			341		
Wahoo			341		
Sand Hill Lakes—SEE Lakes					
Sandy Creek, Big:					
Butte			341		
Powell			341		
Sandy Creek, Little:					
Butte			341		
Powell			341		
Sappa Creek—Beaver City.....	210	285	341	623	663
Sarben Slough.....		285	341	624	664
Schaefer Reservoir Supply Canal—					
Sow Belly Creek.....		419	518		
Schilt-Monroe Canal—Big Monroe Creek.....			518		
Schlagle Creek			342		
Scott Canal—Pumpkinseed Creek.....		419	519		
Scottsbluff Drain No. 1.....		285	342	624	664
Scottsbluff Drain No. 2.....		286	342	625	665
Scout Creek—North Platte.....		286	342		
Scripter Canal—Clear Creek.....		420	519	735	812
Seminole Reservoir—SEE Platte Rivers					
Sheep Creek	211	286	343	625	665
Sheldon Canal—East Ash Creek.....		420			

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Shell Creek:					
Platte Center		343			
Schuyler		343			
Shephard Creek—North Loup		343			
Shepherd Canal—Squaw Creek.....		519			
Sherbeck Pump—Mud (Beaver) Creek.....		519			
Sheridan-Wilson Canal—North Platte River.....	420	519	735	813	
Sheridan-Wilson Canal—Sarben Slough.....			735	813	
Short Line Canal—North Platte River.....	420	520	736	814	
Signal Bluff Canal—North Platte River.....	420	520	736	815	
Silver Creek		343			
Silvernail Drain	286	343	626	666	
Simons Canal—Little Cottonwood Creek.....	421	520			
Six Mile Canal—Platte River.....	421	520	737	815	
Skochdople Pump—Mud (Beaver) Creek.....		521			
Skunk Creek	286	344	626		
Slattery Canal—Jim Creek.....	421	521			
Slattery Canal—Dead Horse Creek.....	421	521			
Sleepy Hollow Creek—Beaver Crossing.....		344			
Slotte Pump—Mud (Beaver) Creek.....		521			
Smith Creek—Endicott		344			
Smith Lake	355	357			
Smith Pump—South Loup River.....		521			
Smith-Wheeler Canal—Pumpkinseed Creek.....	421	521	737	816	
Snake Creek—Hoag		344			
Snake River	287	344			
Soap Creek—Hoag		344			
Soderquist Canal—Lodgepole Creek.....	422	522			
Soehl Canal—Lonergan Creek.....	422	522	737	816	
Soldier Creek	287	344			
Soldier Creek Canal—Soldier Creek.....	422	522			
Sorensen Pump—Mud (Beaver) Creek.....		522			
Sow Belly Creek.....	287	344			
Sow Belly Canal, New—Sow Belly Creek.....		522			
Sow Belly Canal, Old—Sow Belly Creek.....	422	523			
Spalding Mill—Cedar River.....		523			
Spohn Canal—North Platte River.....		523			
Spotted Tail Creek, Dry.....	287	344	627	666	
Spotted Tail Creek, Wet.....	287	345	627	667	
Spring Branch Canal—Lawrence Fork.....	422	523			
Spring Creek:					
Hebron		345			
Sumter		345			
Talmage		345			
Wyoming-Nebraska Line	288	345	628	667	

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Spring Creek Canal—Sow Belly Creek.....			523		
Spring Creek Canal No. 1—Spring Creek.....		423	523		
Squaw Creek:					
Crete			346		
McDowell's Reservoir		288	346		
Pishelville			346		
Squaw Creek Canal—Spring Creek.....		423			
Steel Creek—Pishelville			346		
Stinking Water Creek—Palisade.....		288	346		
Strever Creek		288	346	628	668
Stuart Brothers Canal—Little Cottonwood Creek..		423	524		
Stumph Canal—East Ash Creek.....		423	524		
Suburban Canal—North Platte River.....		424	524	737	816
Suburban Canal—Lincoln County Drain No. 1.....		424	525	738	816
Suburban Canal—Lincoln County Drain No. 1A..			525		817
Suburban Canal Spill—South Platte River.....		424			
Sutherland Power Return.....				740	819
Sutherland Reservoir Supply Canal—					
North Platte River		424	526	739	818
Sutherland Reservoir—North Platte River (Storage 739, 818)					
Swan Lake		355	357		
Sweet's Pump—Underground Water.....			526		794

T

Temple Creek—Verdon			347		
Thawes Creek—Oak			347		
Thirty Mile Canal—Platte River.....		424	526	740	819
Thirty Mile Canal, Little Spillway.....		425	527	741	820
Thirty Mile Canal, Middle Spillway.....		425	527	741	820
Thirty Mile Canal, Henderson Spillway.....		425	527	742	821
Thirty Mile Canal, Darr Spillway.....		425	527	742	821
Thirty-Two Mile Creek—Ayr			347		
Thomas Canal—East Ash Creek.....		425	527		
Thomas Canal—Big Bordeaux Creek.....		426	528		
Thomas Creek—Riverview			347		
Thomas-Stuart Canal—Little Cottonwood Creek..		426	528		
Tierney Pump—Ash Creek.....			528		
Timber Creek—Belgrade		289	347		
Tobin Canal—Lodgepole Creek.....		426	528		
Todd Canal—East Ash Creek.....		426	528		
Tracy Canal—Lodgepole Creek.....		427	529		
Tracy Pump—Mud (Beaver) Creek.....			529		

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Trinnier Canal—Greenwood Creek.....		427	529	.....	.....
Tri-State Canal—North Platte River.....		427	529	743	822
Tri-State Canal, Lateral No. 1—North Platte River.....		427	530	743	822
Tri-State Canal, Lateral No. 2—North Platte River.....		428	530	744	823
Tri-State Canal, Lateral No. 3—North Platte River.....		428	531	744	823
Tri-State Canal—Akers Draw.....		428	531	744	823
Tri-State Canal—Sheep Creek.....		429	531	744	823
Tri-State Canal—Dry Spotted Tail Creek.....		429	532	745	824
Tri-State Canal—Wet Spotted Tail Creek.....		429	532	745	824
Tri-State Canal—Tub Springs.....		430	532	745	824
Tri-State Canal—Alliance Drain.....		430	533	745	824
Tri-State Canal Lateral—Alliance Drain.....			533	.....	825
Tri-State Canal, Roberts Lateral— Dry Spotted Tail Creek.....		431	533	.....	.....
Tri-State Canal, D-918— Diversions from all sources.....				746	826
Tri-State Canal, A-660— Diversions from all sources.....				747	827
Tri-State Canal—Toohey Spillway.....		431	534	.....	825
Tri-State Canal—Mitchell Spillway.....		431	534	.....	825
Troyer Pump—Sand Creek.....			535	.....	.....
Trunk Butte Creek.....		289	347	.....	.....
Tub Springs.....		289	347	629	668
Turkey Creek:					
Dannebrog.....			348	.....	.....
DeWitt.....			348	.....	.....
Meadville.....			348	.....	.....
Newcastle.....			348	.....	.....
Pawnee City.....			348	.....	.....
Spencer.....			348	.....	.....
Turtle Creek:					
Elyria.....			348	.....	.....
Oak.....			349	.....	.....

U

Union Canal—Blue Creek.....		432	535	748	828
Union Creek—Stanton.....			349	.....	.....
Urbach Canal—Lodgepole Creek.....		432	535	.....	.....

V

Valdez Canal—Cedar Creek.....			535	.....	.....
Vasant-Scott Pump—Clear Creek.....			535	.....	.....

	Gaging Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Verdigris Creek—Niobrara			349		
Victoria Creek—Gates			349		
Vining Creek			349		

W

Wagner Creek—Comstock			349		
Wahoo Creek		290	350		
Wallace Creek—Scotia			350		
Wallace Pump—South Loup River.....			536		
Walnut Creek			350		
Warbonnet Canal—Warbonnet Creek.....		432	536		
Warbonnet Creek—Below Warbonnet Canal.....		290	350		
Warneke Canal—Niobrara River.....		432	536		
Wearin Canal—Lodgepole Creek.....		433	536		
Weeping Water Creek—Union.....			350		
Wentworth Creek—Riverview			350		
West Pump—Mud (Beaver) Creek.....			536		
Western Canal—South Platte River.....		433	536	748	828
Whistle Creek		290			
White Clay Creek—Crawford.....		290	350		
White Horse Creek—Gannett		291	351	629	669
White River Canal—White River.....		433	537		
White River:					
Sec. 19-32-51 W.....		291	351		
Chadron	212	292	351	630	670
Crawford	211	291	351	630	669
Below Harris-Cooper Canal.....		291	351		
Above Whitney Diversion.....		291	351		
Below Whitney Diversion.....		291			
White Tail Creek.....		292	352	631	670
Whitmans Fork—Champion		292			
Whitney Reservoir—White River— (Storage 749, 829)					
Wickersham Canal—Boggy Creek.....		434	537		
Wickersham Reservoir Canal—Boggy Creek.....		434	537		
Wickersham Supply Canal—Boggy Creek.....		434	538		
Weigand Canal—Lodgepole Creek.....		434	538		
Wiggle Creek—Callaway			352		
Wilds Canal—Lodgepole Creek.....		435	538		
Williams Pump—Mud (Beaver) Creek.....			539		
Willoughby Pump—Mud (Beaver) Creek.....			539		
Willow Spring Canal—Willow Creek.....			539		
Wilson Creek—Dunbar			352		

	Gag- ing Sta- tion	Measure- ments		Daily Discharge	
		1939	1940	1939	1940
Wilson Pump—Mud (Beaver) Creek.....			539		
Winters Creek—Scottsbluff	212	292	352	631	671
Winters Creek Canal—Minatare Drain.....		436	541	750	830
Winters Creek Canal—North Platte River.....		435	539	749	829
Winters Creek Canal—Winters Creek.....		436	540	749	829
Winters Creek Lateral—Winters Creek.....		436	540	750	830
Winters Creek Canal—Scottsbluff Drain No. 1.....				750	830
Winters Creek Lateral—Scottsbluff Drain No. 1....		435	540		
Winters Creek Canal Spill to Minatare Drain.....		437	541		
Wolf Creek				352	
Wolfe Canal—Lodgepole Creek.....		437	541		
Wood River—Grand Island.....				352	
Woodruff Canal—Jim Creek.....				541	
Wyman Creek—Riverview				352	

Y

Yanda Pump—Mud (Beaver) Creek.....				542	
Yeoman Pump—Mud (Beaver) Creek.....				542	

Z

Zerbst Canal—Little Red Creek.....				542	
Zimmerman Canal—Sow Belly Creek.....		437	542		