

TWENTY-SEVENTH BIENNIAL REPORT

OF THE

**DEPARTMENT OF ROADS
AND IRRIGATION**

VOLUME II

**BUREAU OF IRRIGATION
WATER POWER AND DRAINAGE**

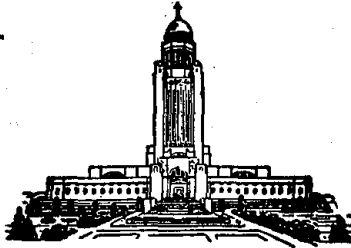
TO

**HONORABLE VAL PETERSON
GOVERNOR OF THE STATE OF NEBRASKA**

LINCOLN, NEBRASKA

1947-1948

DEPARTMENT OF ROADS AND IRRIGATION
F. H. KLIETSCH
STATE ENGINEER



BUREAU OF HIGHWAYS
BUREAU OF IRRIGATION
WATER POWER AND DRAINAGE
MOTOR VEHICLE DIVISION
LAW ENFORCEMENT
AND PUBLIC SAFETY

State of Nebraska

VAL PETERSON, Governor
LINCOLN

IN REPLY REFER TO

December 31, 1948

The Honorable Val Peterson
Governor of the State of Nebraska

Sir:

In accordance with the statutes, I am transmitting to you herewith the Twenty-seventh Biennial Report of the Department of Roads and Irrigation For the years 1947 and 1948.

Very truly yours,

A handwritten signature in cursive script that reads "F. H. Klietsch".

F. H. Klietsch
ale

State Engineer

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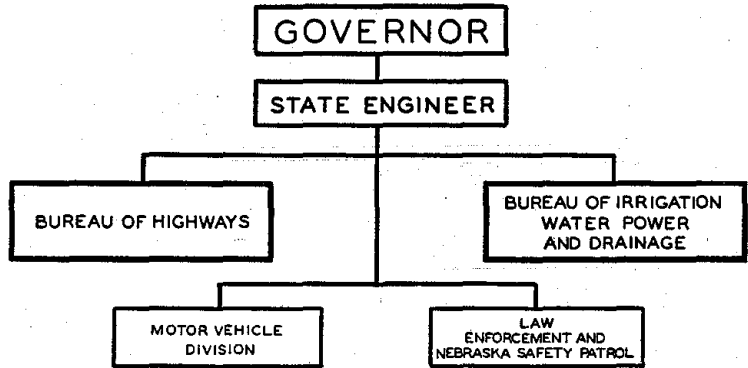
Nebraska State Capitol

PREFACE

The 27th edition of the biennial report of the Department of Roads and Irrigation is published in two volumes.

Volume I contains detailed reports of the Bureau of Highways, the Motor Vehicle Division, and the Law Enforcement and Public Safety Division.

This volume contains data regarding the water supply of the State, a list of water appropriations of record on September 30, 1948; public districts which have been organized under Chapter 70, Article 6, Revised Statutes 1943, as amended; and a summary of the activities of the Bureau of Irrigation, Water Power and Drainage for the biennial period ending September 30, 1948. It also contains decisions entered during the biennium by the Supreme Court with reference to cases which have been appealed from the decisions of the State Engineer.



ORGANIZATION
OF THE
DEPARTMENT OF ROADS AND IRRIGATION
STATE OF NEBRASKA

EXECUTIVES AND EMPLOYEES
of the
BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE

F. H. Klietsch, State Engineer	Lincoln
Robert H. Willis, Chief	Bridgeport
Dan S. Jones, Assistant Chief	Lincoln
Edwin S. Kimmel, Office Engineer	Bridgeport
K. I. Ward, Office Manager	Lincoln
David B. Ender, Associate Engineer	North Platte
Wendell C. Munson, Senior Engineer	Lincoln
C. D. Christensen, Senior Engineer Assistant	Bridgeport
S. M. Christensen, Senior Engineer Assistant	Bridgeport
P. D. Harrington, Senior Engineer Assistant	Bridgeport
John Hintz, Senior Engineer Assistant	Hershey
Willard J. Page, Senior Engineer Assistant	Grand Island
Jack Ratliff, Senior Engineer Assistant	Bridgeport
L. F. Zabel, Senior Engineer Assistant	Cambridge
Leo Bohner, Engineer Assistant	Lincoln
Pat Walker, Engineer Assistant	Lincoln
Robert F. Bishop, Junior Engineer Assistant	Bridgeport
Robert V. Meyers, Junior Engineer Assistant	Bridgeport
David J. Neely, Junior Engineer Assistant	Bridgeport

Stenographers, Clerks and Typists (Five)

Observers (Twenty-four)

Other executives with the department during the biennium:

Wardner G. Scott, State Engineer resigned January 31, 1948

A. W. Hall, Office Engineer resigned January 31, 1948

WATER SUPERINTENDENT

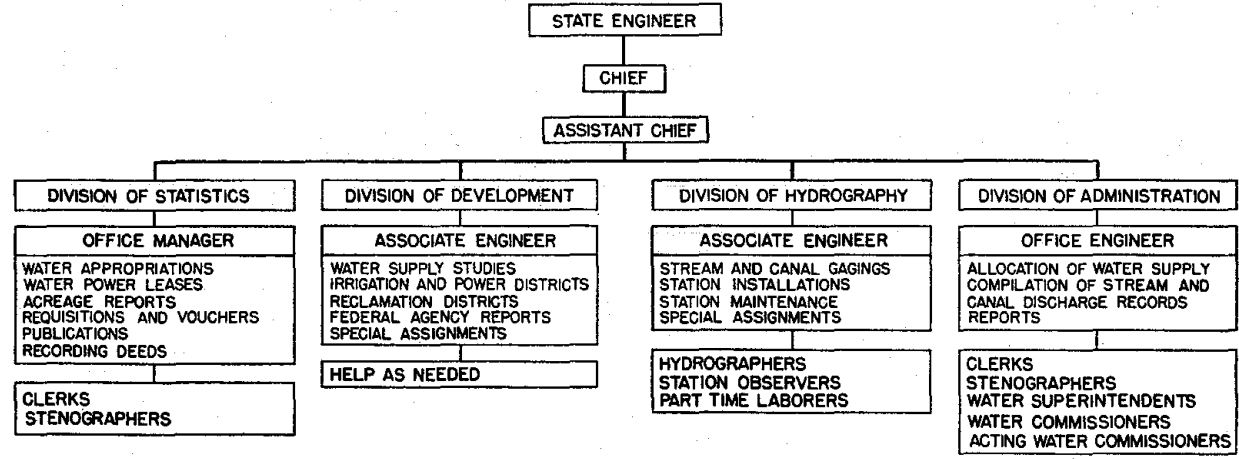
John J. Rasmussen, Superintendent Division No. 2	Crawford
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WATER COMMISSIONER

James L. Lutey, Lodgepole Creek Basin	Kimball
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ACTING WATER COMMISSIONERS

Elmer Donahue	Ogallala
T. O. Haiston	Bridgeport
Frank B. Ludden	Scottsbluff
C. R. Pledger	Kearney



ORGANIZATION
OF THE
BUREAU OF IRRIGATION
WATER POWER AND DRAINAGE

WATER SUPPLY

The report of the Snow Surveys in the higher elevations of the North Platte and South Platte Basins, the cost of which was borne by the Federal and State agencies co-operatively, shows for the North Platte Basin 118 per cent of the twelve-year average for the period October 1, 1946, to April 30, 1947, and 159 per cent (above Denver) for the South Platte Basin. For similar period of the 1948 year, the report shows 98 per cent of the thirteen-year average for the North Platte Basin and 140 per cent for the South Platte Basin.

The runoff of the North Platte River above the Alcova Dam, during the 1947 water year, was approximately 1,307,100 acre-feet and 1,216,170 acre-feet for the 1948 water year. The runoff for the 1947 year was 118 per cent of the seventeen-year (1925-1941) average, and 110 per cent for 1948.

The flow through the Guernsey Dam during the 1947 water year was approximately 1,035,880 acre-feet, which was 78 per cent of the seventeen-year mean. For the 1948 water year the flow was 1,169,130 acre-feet or 89 per cent of the seventeen-year mean.

The discharge of the Platte River at the confluence of the North and South Platte Rivers for 1947, was approximately 79 per cent of the seventeen-year mean and the same for 1948. At Overton, Nebraska, the flow of the Platte River for 1947 was approximately 1,165,000 acre-feet and 934,000 acre-feet during the 1948 water year, or 75 per cent and 61 per cent of the seventeen-year average, respectively.

The flow of the Platte River below the Kearney Power Return for the 1947 water year was approximately 1,389,000 acre-feet and at Duncan, Nebraska, it was 1,467,000 acre-feet, indicating a gain of 78,000 acre-feet. For the year of 1948 the flow below Kearney Power Return was approximately 1,019,000 acre-feet and 882,000 acre-feet at Duncan, which indicates a loss of approximately 137,000 acre-feet.

PRECIPITATION

The total precipitation over the area between Guernsey, Wyoming, and Kearney, Nebraska, averaged approximately a depth of 2.07 feet during the water year ending September 30, 1947, and 1.50 feet for a similar period in 1948. These quantities of precipitation are not considered sufficient to mature satisfactory crop yields, therefore, water on the land from streams or wells is required to supplement the precipitation. Approximately 800,000 acres between Guernsey, Wyoming, and Kearney, Nebraska, were supplied with water from streams during the 1947 and 1948 water years in addition to the precipitation.

Water of the Platte River Basin from Guernsey, Wyoming, to Kearney, Nebraska, diverted into canals for approximately 800,000

acres during the 1947 season, would probably net 1.45 acre-feet on the land. This amount, together with the 2.07 acre-feet precipitation would be 3.52 acre-feet. For the 1948 irrigation season, the water diverted from streams in this area would net about 1.69 acre-feet. Adding this quantity to the 1.50 acre-feet of precipitation, would give a total of 3.19 acre-feet on the irrigated land.

RESERVOIRS

The amount of stored water withdrawn from the Pathfinder Reservoir during the growing season of 1947 for use by projects having storage rights between Guernsey, Wyoming, and Bridgeport, Nebraska, was approximately 431,100 acre-feet, and for 1948 it was approximately 611,240 acre-feet. By virtue of the Pathfinder Reservoir permit the quantity of storage carry-over on September 30, 1947, was approximately 568,800 acre-feet, and approximately 375,300 acre-feet on September 30, 1948.

The tabulations of the daily contents shown elsewhere in this report do not reflect the quantity that the Pathfinder Reservoir is entitled to have for the reason that part of the Pathfinder storage is temporarily impounded in the Seminoe Reservoir each water year. This procedure is permissible for the purpose of operating hydro-power plants located a short distance below the Seminoe Dam and above the backwater of the Pathfinder Reservoir storage. The operation of the two reservoirs for power purposes was sanctioned by the United States Supreme Court Decree in the Nebraska-Wyoming-Colorado suit.

Kingsley Reservoir had a carry-over on September 30, 1946, of 839,900 acre-feet. During the 1947 water year 204,700 acre-feet of storage water were withdrawn from the reservoir leaving a carry-over of 1,332,000 acre-feet on September 30, 1947. There were 276,630 acre-feet of storage water withdrawn from the reservoir during the 1948 water year, leaving a carry-over of 1,405,800 acre-feet on September 30, 1948. The runoff above the Kingsley Dam for the year 1947 was 1,307,100 acre-feet, of which 478,760 acre-feet passed through the dam. The runoff above the dam for 1948 was 1,216,170 acre-feet of which 722,850 acre-feet passed through the dam.

The quantity of water impounded in the Box Butte Reservoir, a part of the Mirage Flats Project, during the 1947 water year was approximately 25,580 acre-feet, of which 4,790 acre-feet were withdrawn through the dam, leaving a carry-over of 18,300 acre-feet on September 30, 1947. The quantity impounded during the 1948 water year was approximately 19,200 acre-feet, of this amount 10,460 acre-feet were withdrawn through the dam during the growing season, with a carry-over of 19,000 acre-feet on September 30, 1948. The Mirage Flats Project has made substantial progress during the 1947-1948 biennium. Approximately 10,400 acres, of the 12,000 acre project, have been irrigated.

There was a peak storage in the Oliver Reservoir of 4,200 acre-feet on July 3, 1947, and 4,170 acre-feet on July 15, 1948. Information as to the disposal of water stored was not available.

Data concerning the Bennett Reservoir are too meager for analysis of the water impounded and its disposal for the years 1947 and 1948. There was no record for 1947, and for 1948 a peak storage of 1,020 acre-feet was recorded on August 3, with about 450 acre-feet carry-over on September 30, 1948.

The peak storage in the Whitney Reservoir was 9,560 acre-feet on June 28, 1947, and a peak of 8,450 acre-feet on July 2, 1948, with a carry-over of 5,500 acre-feet on September 30, 1948. No analysis can be made of the storage disposal due to insufficient data.

The Sutherland Reservoir is still used largely as a regulator by the Platte Valley Public Power and Irrigation District for the operation of the Sutherland Hydro Power Plant. The average quantity in storage during the 1947 water year was approximately 42,000 acre-feet. On September 30, 1947, there were 30,378 acre-feet in the reservoir. The average contents during the 1948 water year was approximately 50,000 acre-feet. There were 47,269 acre-feet in the reservoir on September 30, 1948.

The first time in many years water in Crescent Lake was high enough to permit withdrawal of water during the 1948 water season for use by appropriators diverting from Blue Creek. The Lake Water Carrying Company, operator of the Crescent Lake appropriation under Application 1575, did not have a measuring device or recorder installed so there is no record of the quantity withdrawn from the lake.

FLOODS

Floods of great magnitude occurred throughout the State from June 22 to 25, 1947, causing the loss of several lives and many millions of dollars worth of damages to crops, farm lands, and various public and private properties. The areas of greatest runoff were in the Republican River Basin east of McCook, and in the Lower Platte River Basin east of North Platte.

At Maywood, near the head of Medicine Creek, ten inches of rain were reported between 6:00 P.M. and 10:00 P.M. on June 21, and at nearby Curtis more than five inches fell in a seven-hour period beginning at 8:00 P.M. the same day. As much as 12 inches of rain were reported on several farms north of Maywood during the night of June 21-22. The peak discharges from Red Willow, and Medicine Creeks and other tributaries to the Republican River in that locality were greatly in excess of those of the 1935 flood which had been the greatest of record. At least thirteen lives were lost in the town of Cambridge when the flood hit at dawn on the morning of June 22.

The precipitation was less intense in the Lower Platte River Basin but there was extensive damage to crops, highways, railroads and

property in the Buffalo Creek, Elm Creek and Wood River Valleys as well as in the valleys of the tributaries to the Loup River. Transportation and communication systems were disrupted for several days as a result of the storm.

Elsewhere in this report will be found a chart and tables showing unit runoff and peak discharges recorded in the June 1947 floods.

No floods of widespread coverage occurred during 1948. However, on the anniversary of the devastating June 22, 1947 flood, the town of Cambridge was again subjected to a major flood from Medicine Creek. This flood was of relatively short duration and the peak discharge was only 39,000 second-feet, whereas that of June 1947 was approximately 120,000 second-feet. Runoff from the Republican River and its tributaries east of Culbertson created a peak discharge of 78,000 second-feet at Cambridge. In a study made by the United States Bureau of Reclamation damages to cropland, highways, railroads and other property in the Republican Valley were estimated to be approximately \$800,000.00.

Local flooding occurred in the small tributaries of the North Platte River in the Gering and Mitchell areas during July 1948, causing severe agricultural losses and damage to transportation facilities.

ADMINISTRATION

There were no serious administrative problems during the irrigation seasons of 1947 and 1948 in the Platte River Basin. However, at the end of June 1948 demand was made on the department to protect senior appropriators in the Loup River Basin. On June 25, the Loup River Public Power District made an oral demand on the department to deny diversion of water to junior appropriators to the extent that enough water be made available to satisfy the district's power appropriation.

No water commissioners had been employed heretofore for the Loup River Basin, but one hydrographer, with headquarters at Grand Island, was instructed to perform as many of the duties of a water commissioner as the duties of a hydrographer would permit. This arrangement was far from satisfactory. The basin is too large for one man to police. In order to have reasonable regulation the streams should be patrolled each day during the periods of water shortages, and this would require a number of water commissioners. Water commissioners should be stationed at suitable points in the Basin. The Bureau realizes that it would be extremely difficult to administer daily the distribution of the water supply to the appropriators in this basin. There are some four hundred appropriators using pumps to divert water from the streams in the Loup Basin. It will be a very cumbersome undertaking to protect the appropriators in the order of priority, even with a large staff, if and when senior appropriators insist upon strict administration. Normally in July and August there is about

one-third enough natural flow for the Loup River Public Power District's appropriation.

The Loup River Public Power District has a permit to divert 3500 second-feet from the Loup River for power purposes. On another page of this report is shown the daily diversions by the power district for the years 1947 and 1948. The 3500 second-feet are junior to the Middle Loup, and the North Loup River Irrigation Districts' appropriation of 300 and 260 second-feet as a rate diversion, respectively, but not to exceed one acre-foot for each acre of land irrigated measured at the point of diversion from the stream.

The following is quoted from the syllabus of the Nebraska Supreme Court in the case of the Loup River Public Power District vs. North Loup River Public Power and Irrigation District:

"But when the waters of any natural stream are not sufficient for use of all desiring to use the same those using the water for agriculture purposes shall have preference over those using the water for manufacturing purposes. Constitution Article XV, Section 6.

"Under this section of the Constitution, waters previously appropriated for power purposes may be taken and appropriated for irrigation purposes, upon due and fair compensation therefor; and, inversely, they cannot be appropriated arbitrarily for irrigation purposes without just compensation."

Instructions were issued on August 4, 1947, to the four water commissioners operating in the Platte River Basin to close headgates and deny the diversion of natural flow to canals having priority subsequent to October 6, 1932, which continued in effect until September 30, 1947. There were ten instructions to close or regulate the diversion of natural flow to canals in the Platte River Basin during the period of May 7 to September 30, 1948. The natural flow during the month of May 1948, diminished in the Platte Basin to the extent that canals having priorities subsequent to September 21, 1894, were closed to natural flow. Canals having priorities earlier than September 21, 1894, were permitted to divert to the limit of their rights. However, junior appropriators having storage rights did not suffer for want of water.

Complaints came to the Bridgeport office early in June, 1948, from water users east of the Bennett Reservoir on Lodgepole Creek. It appeared that the operator of the Bennett Reservoir was not allowing enough natural flow to pass through the Bennett Dam for natural flow users downstream. More complaints soon followed from appropriators along the Lodgepole Creek in Kimball County.

S. B. Hanna, Water Commissioner for Kimball County since 1925, resigned the last of May, 1948. James L. Lutey was appointed to fill the vacancy, beginning the duties of the office in June, 1948. He soon acquired sufficient knowledge of the work, and with some guidance

from the Bridgeport office he handled the distribution of the water supply with satisfaction to the water users.

Administration of the water supply of the Republican River Basin was almost nil during the 1947 and 1948 water years. However, one complaint was received from a hydro-power appropriator. Not having a water commissioner for that basin, a hydrographer was sent from the Bridgeport office with instructions to make investigations, and adjustments necessary to correct the situation.

HYDROGRAPHY

The services of hydrographers are indispensable in the matter of administering the distribution of water from the streams to the water users. In fact it is a foremost duty of the Bureau of Irrigation, Water Power and Drainage. Section 46-227 of the Revised Statutes of Nebraska 1943, provides that the department shall measure the quantity of water flowing in the several streams of the State, but there seems to be no law requiring the measuring of water in canals taken from the streams. However, the interpretation of Section 46-231 of the 1943 Statutes implies that water diverted into canals obviously should be measured, otherwise no administration is possible. Measurement of water into canals from streams must have priority over stream measurements, however both are important.

The co-operative stream gaging program in the State was continued under the agreement entered into in 1941 between the Surface Water Division of the United States Geological Survey and the Department of Roads and Irrigation. Approximately \$35,000 of State funds were matched with Federal funds on a dollar-for-dollar basis to carry on the co-operative program. Considerable hydrographic work is done in the State which is not in the program. The Bureau of Irrigation makes many measurements on numerous miscellaneous streams which are not considered of sufficient federal interest to be included in the joint program. The Bureau also has the responsibility of recording the diversions from streams by all canals in the State. The Geological Survey is operating several gaging stations in the State which are of an inter-state nature or which are predominately in the Federal interest. At the close of the 1948 water year there were a total of 119 stream-gaging stations operating in Nebraska. Sixty-four were co-operative stations, 18 were Republican River Inter-state Compact stations, and 37 were Missouri River Basin development stations operated primarily in the interest of Federal agencies in connection with their planning of water use projects in the state.

From April 1, 1946 to March 31, 1948, the Bureau of Irrigation co-operated with the State Engineer of Wyoming, the United States Bureau of Reclamation, and the United States Geological Survey in a special investigation of the North Platte River from the outlet of the Alcova Reservoir in Wyoming to a point below the Tri-State diversion

dam in Nebraska. The purpose was to obtain additional data for use in determining losses of storage water in transit in this reach of the river with a view to refining the formula for the segregation of natural flow and storage water as provided by the decree of the United States Supreme Court in the case of Nebraska vs. Wyoming. The cost for the two-year investigation was approximately \$14,000, one-sixth of which was paid by Nebraska.

During the biennium the number of hydrographers for the Bureau was increased from eight to ten. It appears that this number may have to be increased still further before the 1949 irrigation season because of the necessity of more and better records due to the expanding use of water and to the more detailed information needed for the administration of water under inter-state compacts, and the decree of the United States Supreme Court.

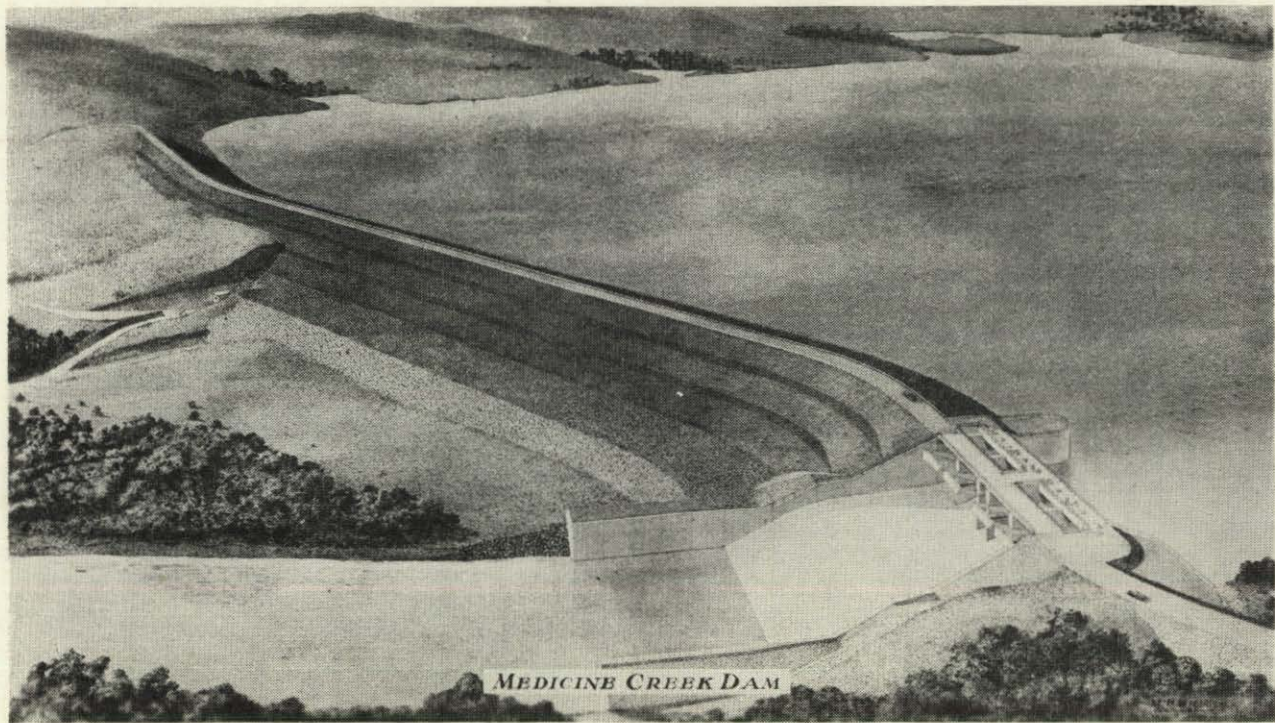
Six of the hydrographers have headquarters at Bridgeport and devote the majority of their time to field work. However, each one spends a few days each month in the office, assisting the two office engineers in computing stream flow records and related work. The other four are stationed at Hershey, North Platte, Grand Island and Cambridge and, except for infrequent office assignments, their entire time is spent in the field. There were twenty-two per cent more stream measurements and ten per cent less canal measurements made during the 1947-48 biennium than during the preceding two year period.

HEARINGS

The provisions of Section 46-229 Revised Statutes of Nebraska, 1943, make it the duty of the department to examine into the condition of water appropriations, and to compile information concerning the condition of each water appropriation and all canals. If it appears that a water appropriation has not been used for more than three consecutive years, the department shall appoint a place and date of hearing and serve notice on the appropriators to show why the appropriation shall not be declared forfeited.

Engineers of the Bureau made field investigations of all appropriations and canals in the Platte River Basin during the 1948 irrigation season, and a report for each project is on file in the office of the Bureau of Irrigation at Lincoln.

Hearings were held regarding the Farmers Irrigation District on the North Platte River; and the Birdwood Irrigation District, and several private canals diverting from Birdwood, and White Horse Creeks. Orders as a result of the hearings for projects on Birdwood Creek and White Horse Creek have not as yet been issued by the State Engineer.



MEDICINE CREEK DAM

NEW DEVELOPMENT**Frenchman-Cambridge Unit**

The Frenchman-Cambridge Division, located along the Republican River in southern Nebraska, was authorized for construction under the Flood Control Act of 1944 (Public Law 534), 78th Congress, 2nd Session, as one of the units in the plan of development for the Missouri River Basin. The plan was outlined in Senate Document No. 191, and revised by Senate Document No. 247, as a co-ordinated plan of the Bureau of Reclamation and the Corps of Engineers, U. S. Army. The proposed works will extend from Enders, Nebraska, eastward along Frenchman River and the main Republican River to Orleans, Nebraska, which is located only a few miles above the Harlan County Reservoir and which is being constructed by the Corps of Engineers in Harlan County, Nebraska. The unit as now planned will include 57,720 acres of land under the following canal systems: Cambridge, 17,300 acres; Red Willow, 11,410 acres; Meeker-Driftwood, 16,440 acres; Frenchman, 12,570 acres. Of the total, 12,350 acres, mostly in the Frenchman and Meeker-Driftwood areas, will be provided with supplemental water, the remaining acreage will be new development.

Three storage reservoirs with earthfill dams will be constructed for multiple-purpose use. Enders Dam, now under construction on the Frenchman River near Enders, Nebraska, was estimated to be 57.5% complete by September 30, 1948. Medicine Creek Dam, now being constructed on Medicine Creek eight miles northwest of Cambridge, Nebraska, was estimated to be 18.5% complete by September 30, 1948.

Culbertson Dam, which is being readied for the start of construction about six months hence, will be located on the Republican River $2\frac{1}{4}$ miles west of Trenton, Nebraska. Culbertson Reservoir will have a storage capacity of 172,000 acre-feet allocated as follows: Sediment control and wildlife protection, 32,000 acre-feet; irrigation storage, 45,000 acre-feet, flood control and flood storage, 95,000 acre-feet. The contract for construction of Culbertson Dam will include the job of relocating a portion of the C. B. & Q. Railroad mainline and U. S. Highway No. 34.

To serve the area, two new diversion dams are required on the Republican River and a total of approximately 200 miles of main canals will be built. Complete lateral and drainage systems will be built for the Cambridge and Red Willow Canals. Some existing systems in the Meeker-Driftwood and Frenchman areas can be utilized with improvements necessary to insure dependable service.

Construction was initiated on the Cambridge Diversion Dam early in November, 1947, and was 99% complete September 30, 1948. The installation of radial gates was the only item left to complete the contract at that time.

Design data for the Red Willow Diversion Dam had been submitted to the Chief Engineer by September 30, 1948. Surveys will be

initiated to re-examine alternate sites in an effort to find a location where a less expensive structure could be built and still provide the required diversion for irrigation of 11,410 acres. It is anticipated that construction of this feature will be initiated by the spring of 1950.

The contract for the construction of the first 12¼ miles of the Cambridge Canal was estimated to be 3% complete by September 30, 1948. Construction of the Oxford Siphon, a subfeature of the Cambridge Canal at Oxford, Nebraska, was started in June and was 90% complete by the end of September, 1948.

The rehabilitation of the Meeker Canal, southwest of McCook, Nebraska, was completed by September 30, 1948. Water was made available to lands serviced by the portion of the canal for the 1948 irrigation season.

Bostwick Unit

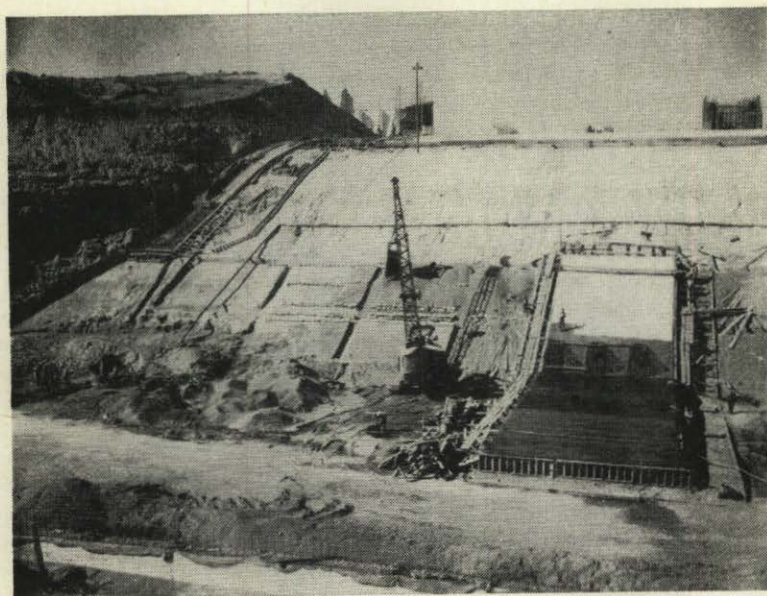
The Bostwick Unit was authorized for construction under the Flood Control Act of 1944 (Public Law No. 534), 78th Congress, 2nd Session, as one of the units in the plan for development of the Missouri River Basin. The plan was outlined in Senate Document No. 247, as a co-ordinated plan of the Bureau of Reclamation and the Corps of Engineers, U. S. Army.

The portion of the Bostwick Unit that is located in South Central Nebraska extends through Franklin, Webster and Nuckolls counties. The irrigable land under this unit consists, in part, of a strip of valley lands from one-half to three miles wide along the Republican River and, in part, of table lands in compact areas southeast of Superior, Nebraska. No construction work had been started by the Bureau of Reclamation on the Bostwick Unit pending consummation of a repayment contract by the Board of Directors for the Bostwick Irrigation District (Nebraska).

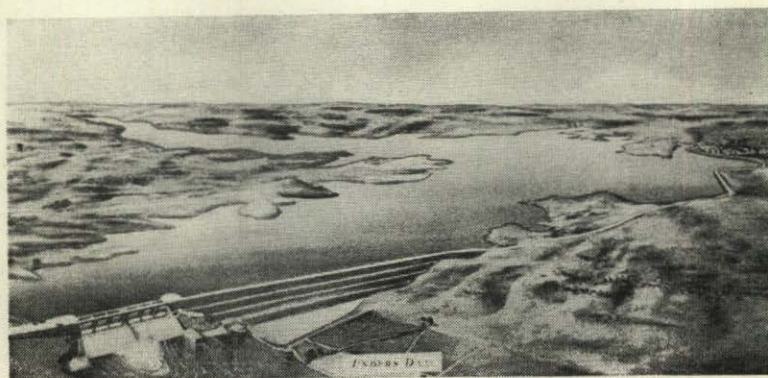
The Harlan County Dam is under construction by the Corps of Engineers. The dam, located just below the confluence of Prairie Dog Creek and the Republican River, will provide 850,000 acre-feet for storage capacity, allocated to the following purposes: Silt retention, 200,000 acre-feet; irrigation, 150,000 acre-feet; and flood control, 500,000 acre-feet.

Development of irrigable lands below Harlan County Dam is planned in five separate units totaling approximately 90,000 acres. Some 28,000 acres of this total is in Nebraska.

Ever since its settlement by homesteaders, the area has sustained numerous reverses to its economy as a result of the unpredictable recurrence of droughts. It is anticipated that benefits from the project development will not be confined to the irrigated area. The irrigation of the 90,000 acres of valley and table lands will have a stabilizing effect on the economy of a large surrounding dry-farming area.



Enders Dam—Looking Upstream, Showing Curing of Concrete on Slope of Spillway Floor



Artist's Conception of Enders Dam

FUTURE DEVELOPMENT

At the close of the biennium the Bureau of Reclamation had advanced the studies in the Lower Platte River Basin to a point where the preliminary draft of a proposed report was ready to be submitted to the Governor for comments. The report will recommend the construction of 16 new reservoirs to store 3,000,000 acre-feet of water, 1,500 miles of new canals and numerous diversion dams to supply water for the irrigation of more than a million and a half acres of land in the Platte, Loup and Elkhorn River Valleys at a total cost of more than \$500,000,000.

Planning studies in the Niobrara River Basin by the U. S. Bureau of Reclamation were in progress throughout the biennium, the work being conducted from an area office at Ainsworth.

In addition to continuing the construction of the Harlan County Dam, the Corps of Engineers constructed a local flood protection project at Indianola which will eliminate the frequent flooding of that town from Coon Creek. In 1947-48, the Corps of Engineers completed preliminary flood studies in the Elkhorn River Basin and the Shell Creek Basin. Ten feasible local flood protection projects were found in the Elkhorn Basin, six of which were supported by local interests. The six projects recommended for construction are at Waterloo, West Point, Norfolk, Pierce, Tilden and Battle Creek and the total estimated cost is \$3,000,000 Federal and \$560,000 local. At the end of the biennium, investigations were in progress in the Niobrara and Platte River Basins, on Salt Creek, Ponca Creek, Omaha Creek, Little Papillion Creek and Weeping Water Creek. Excellent progress was reported by the Corps of Engineers in the construction of the Fort Randall Dam on the Missouri River in South Dakota, a few miles north of the Nebraska-South Dakota State Line. Although not in Nebraska, this project is close enough to be of interest since some of the power to be generated there will be transmitted to Nebraska to help supply shortages here.

LEGISLATION

Important legislation intended to foster the development of the State's water and land resources was enacted by the 1947 Legislature. Probably the most far-reaching is the Reclamation Act which enables the organization of Reclamation Districts with authority to levy a general tax on all tangible property within their boundaries for their support. Under this act it is possible for property owners in cities and towns within such a district, who always benefit indirectly from a water development project, to share in the payment of its construction and operation and maintenance costs. The formation of a Reclamation District is initiated by the filing of a petition with the Department of Roads and Irrigation. The Nebraska Mid-State Reclamation District, embracing the Platte Basin portion of Buffalo, Hall and Merrick Counties,

was formed under this act in the spring of 1948. At this time, a suit to test the constitutionality of the act is pending in the District Court of Hall County.

Two acts relating to flood control and drainage were passed. One enables cities of the second class and villages to acquire rights-of-way outside their corporate limits for the construction of flood protection works. The other permits county boards and the governing bodies of cities to acquire rights-of-way for flood protection, to operate and maintain flood control works and to issue general obligation bonds to carry out the purposes of the act. This legislation will facilitate the Corps of Engineers program in Nebraska.

PUBLIC POWER AND IRRIGATION DISTRICTS

No new public power and irrigation districts were formed during the biennium. The creative petitions of three rural public power districts were amended to annex or detach territory, to change number of members of boards of directors and to change the name of a district. The Mirage Flats Public Power and Irrigation District was dissolved following a hearing before the department.

The number of contract lettings by public power and irrigation districts which were supervised by the Bureau of Irrigation was substantially larger than that for the preceding biennium. The somewhat relaxed restrictions on material and labor is reflected in the increased construction activities of the districts. A total of 54 lettings were had and 42 contracts were awarded. The following table lists the name of districts which awarded contracts under the Bureau's supervision, the number of awards, and the total amount of such contracts.

Name of District	Address	Number of Awards	Amount of Contract
Butler County Rural Public Power District.....	David City	1	\$ 43,150.56
Cedar-Knox County Rural Public Power District.....	Hartington	1	32,933.30
The Central Nebraska Public Power and Irrig. District.....	Hastings	10	494,288.32
Consumers Public Power District.....	Columbus	4	616,948.05
Cornhusker Rural Public Power District.....	Columbus	1	55,187.69
Dawson County Public Power District.....	Lexington	1	11,717.00
Eastern Nebraska Public Power District.....	Syracuse	2	99,935.45
Howard-Greeley Rural Public Power District.....	St. Paul	1	62,565.35
Loup River Public Power District.....	Columbus	3	177,502.06
Madison County Rural Public Power District.....	Battle Creek	1	69,256.95
McCook Public Power District.....	McCook	2	87,417.60
Norris Rural Public Power District.....	Beatrice	4	1,078,785.91
North Central Nebraska Rural Public Power District.....	Creighton	1	45,276.95
Platte Valley Public Power and Irrigation District.....	North Platte	3	171,077.75
Seward County Rural Public Power District.....	Seward	1	16,298.85
Southern Nebraska Rural Public Power District.....	Grand Island	4	201,818.82
York County Rural Public Power District.....	York	2	132,064.11
		42	\$3,397,225.72

The above figures do not cover all of the expenditures made by public organizations. In numerous cases contracts were negotiated under the emergency provisions of the law. Also, there are a large number of electric membership associations and cooperatives in the rural electrification field which do not come under the State's supervision.

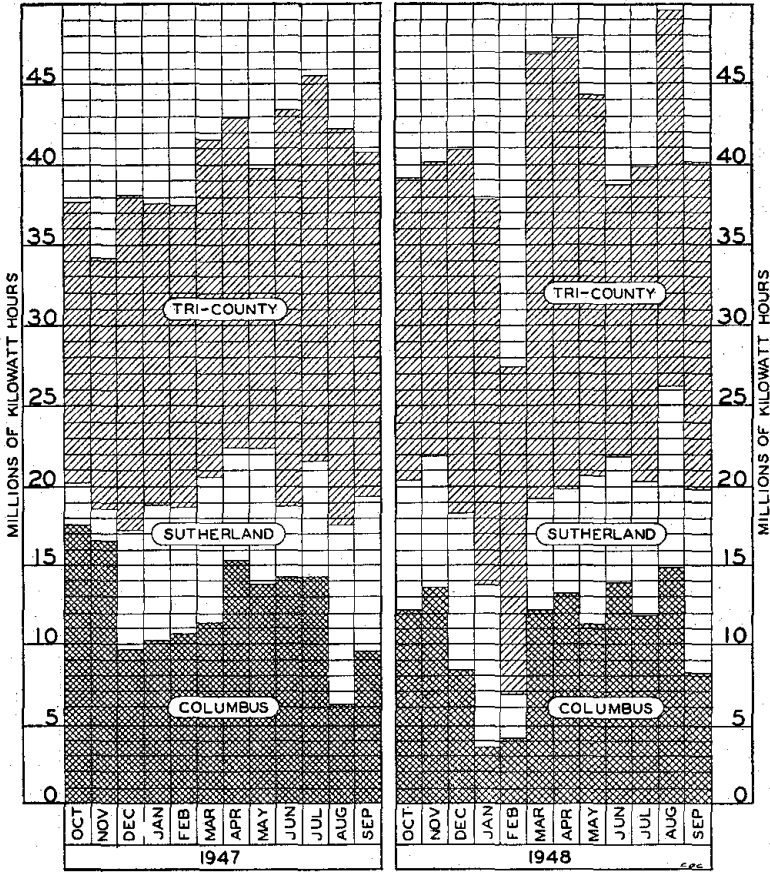
STATISTICAL SUMMARY

The following is a summary of the statistical record for the bi-ennium ending September 30, 1948:

Applications for water appropriations	480
Permits issued	218
Appropriations canceled	64
Applications dismissed	5
Applications pending to divert water from running streams.....	103
Applications pending to use ground water for irrigation	293
Hearings held Re:Water appropriations	10
Cases appealed to Supreme Court	3
Relocation permits	7
Water Power leases	0
Irrigation districts organized under L. B. 350	1
Deeds recorded (Involving 140 appropriations).....	97
Field investigations-reports filed	670
Maps and plans filed	365
Canal gagings made by Nebraska	4684
Stream gagings made by Nebraska	8230
Stream gagings made by U. S. G. S.....	4334
Gaging stations with automatic recorders	86
Gaging stations with observers	24
Fees collected covering:	
Applications, plans, power leases, deeds, petitions, and copy records	\$38,384.90

ELECTRICAL ENERGY

GENERATED BY HYDRO POWER PLANTS
OWNED BY THE NEBRASKA PUBLIC POWER SYSTEM



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COURT DECISIONS

IN RE CLAIM AFFIDAVIT OF PARSONS, FOR THE USE OF THE
WATERS OF MONROE CREEK FOR IRRIGATION.
CON PARSONS, APPELLANT, V. HARRY WASSERBURGER, ET AL.,
APPELLEES.

— N. W. 2d —

Filed April 11, 1947. No. 32150.

1. **Waters.** The owner of land having an irrigation appropriation priority established before April 4, 1895, upon which there has been no adjudication is entitled, on proper application and due notice to interested parties, to an adjudication thereon by the Department of Roads and Irrigation.
2. ———. The Department of Roads and Irrigation by section 46-208, R. S. 1943, exercises the same power to adjudicate irrigation priorities established prior to April 4, 1895, as did the Board of Irrigation under chapter 69, Session Laws of 1895.
3. ———. The Department of Roads and Irrigation has jurisdiction to hear, determine, and make adjudication upon irrigation appropriation rights and priorities, and in the absence of an appeal as provided by law, the orders made in a proper proceeding in reference thereto are final and binding upon the parties and their successors.
4. ———. An adjudication by the Department of Roads and Irrigation upon irrigation appropriation rights and priorities, not appealed from, is res judicata upon later applications involving the same claims and the same parties or their successors.

APPEAL from Department of Roads & Irrigation. Affirmed.

Schnurr & Mumby and Atkins & Lyman, for appellant.

Neighbors & Danielson, for appellees.

Heard before SIMMONS, C. J. PAINE, CARTER, YEAGER, and WENKE, JJ., and NUSS, District Judge.

YEAGER, J.

This is an appeal by Con Parsons, appellant, from an order of the Department of Roads and Irrigation denying his application for an adjudication of a vested right to an appropriation of 9/14ths cubic feet of water per second of time from Monroe Creek in Sioux County, Nebraska, for irrigation of 34 acres of land in the northeast quarter of the southeast quarter of Section 28, and 11 acres in the southwest quarter of the northwest quarter of Section 27, all in Township 33, North, Range 56, West of the 6th Principal Meridian, in Sioux County, Nebraska.

Harry Wasserburger filed written objection to the application with the Department of Roads and Irrigation and he is denominated as appellee in the proceeding before this court.

Appellant contends that he has a vested right to the appropriation on account of appropriation and use prior to April 4, 1895, the date

after which, by an act of the Legislature, prior appropriators had the right to have their priorities determined by the Board of Irrigation which was set up under the provisions of that act. The act is chapter 69, Session Laws of 1895.

Under section 20 of the act it was provided: "Each appropriation shall be determined in its priority and amount, by the time at which it shall have been made, * * *."

Section 49 provided: "Nothing in this act contained shall be so construed as to interfere with or impair the rights of water appropriated and acquired prior to the passage of this act."

The contention of the appellant is that there was an appropriation from Monroe Creek for these two land areas from a date prior to April 4, 1895, and that the appropriation has been used continuously from the original date of appropriation which gives him the right to an adjudication by the Department of Roads and Irrigation of priority from the date of the original appropriation.

It is not questioned that if these lands had an appropriation prior to April 4, 1895, or that one was claimed for them, the owner thereafter had the right to an adjudication upon it, and still has unless there has already been an adjudication. The appellee contends that there has been an adjudication adverse to the appellant.

The action here was properly instituted before the Department of Roads and Irrigation since this Department, by section 46-208, R. S. 1943, exercises the powers and functions of the Board of Irrigation provided for in the act of 1895.

The appellee, by written objections filed, denied generally all claims of appellant and specifically denied that appellant had an appropriation with a priority date before 1895. Appellee claimed an appropriation, the date of which is not of importance here, for his own lands, the description of which is likewise not of importance. He further alleged that the Department of Roads and Irrigation had previously adjudicated that no appropriation existed for these areas prior to 1895 which adjudications were never appealed from, have become conclusive and final, and are res judicata of the claim of appellant in this proceeding.

The facts upon which a determination herein must depend are that Eli J. Wilcox, a predecessor to appellant in title to the northeast quarter of the southeast quarter of Section 28, and the southwest quarter of the northwest quarter of Section 27, all in Township 33, North, Range 56, West of the 6th Principal Meridian, in Sioux County, Nebraska, in July of 1895, petitioned for an adjudication and determination of an irrigation appropriation priority from Monroe Creek for the northeast quarter of Section 33, the southeast quarter of the southeast quarter of Section 28, and the southwest quarter of Section 27, all in Township 33, North, Range 56, West of the 6th Principal Meridian, in Sioux County, Nebraska, dating from May 1, 1888. The lands herein

involved were not included in the lands described in the petition filed in July 1895. Thereafter on December 13, 1897, an adjudication pursuant to law was made declaring and determining that there was an appropriation for about 100 acres within the three described quarter sections of land from May 1, 1888. The location of the area or areas upon the described lands was not indicated.

In March 1941 appellant, as successor of Eli J. Wilcox and others to the title to the lands involved in this case, that is the northeast quarter of the southeast quarter of Section 28, and the southwest quarter of the northwest quarter of Section 27, filed a petition with the Department of Roads and Irrigation the purpose of which was to have the adjudication of December 13, 1897, clarified and extended so as to declare that the areas of 34 acres and 11 acres respectively herein involved were within the adjudicated and declared appropriation of about 100 acres mentioned in the adjudication of December 13, 1897, and to have an appropriation priority declared therefor from May 1, 1888.

On July 28, 1941, the petition was, after hearing, dismissed by order of the Department of Roads and Irrigation on the obvious ground that this was an application to have lands not a part of a previously adjudicated appropriation included therein, a thing which the Department could not do for the reason that the adjudication of December 13, 1897, was final, not appealed from, and could not be disturbed.

From this order of dismissal of July 28, 1941, no appeal was taken.

In the bill of exceptions appears an order of the Department of Roads and Irrigation dated September 28, 1945, denying a motion to vacate and set aside the order of July 28, 1941. The motion was filed August 28, 1941 and from it no appeal was taken.

Then in July 1945 the appellant filed the present claim for an appropriation with a priority date of May 1, 1884. The pleadings and the evidence identify this claim with the one which the Department of Roads and Irrigation held was adjudicated adversely to appellant in 1897; the pleadings and evidence also identify it as the claim adjudicated adversely to him by the Department of Roads and Irrigation on July 28, 1941; and the pleadings further identify it with the motion to vacate the order of July 28, 1941, which motion was overruled on September 28, 1945. From none of these adverse findings and rulings has an appeal ever been taken.

It is to be borne in mind that the effort in this proceeding, though claiming an appropriation priority date of 1884, is not to obtain an adjudication upon a priority not previously adjudicated but to obtain an adjudication that these lands were in fact included in the claim of July 1895 and the adjudication thereon of December 13, 1897.

Clearly then appellant is seeking again an adjudication of that which has been thrice previously adjudicated adversely to him.

It is well settled by the decisions of this court that the Department of Roads and Irrigation has jurisdiction to hear and determine and make adjudication upon irrigation appropriation rights and priorities, and in the absence of an appeal as provided by law, the orders made in a proper proceeding in reference thereto are final and binding upon the parties. See *Farmers Canal Co. v. Frank*, 72 Neb. 136, 100 N. W. 286; *Enterprise Irrigation District v. Tri-State Land Co.*, 92 Neb. 121, 138 N. W. 171; *Vonburg v. Farmers Irrigation District*, 128 Neb. 748, 260 N. W. 383; *State ex rel Sorensen v. Mitchell Irrigation District*, 129 Neb. 586, 262 N. W. 543.

This being true, the Department of Roads and Irrigation correctly concluded that the present claim of appellant should be denied.

The order of the Department of Roads and Irrigation denying the claim of appellant is affirmed.

AFFIRMED.

BIRDWOOD IRRIGATION DISTRICT, APPELLEE, V. HARRY
BRODBECK, ET AL., APPELLANTS.

— N. W. 2d —

Filed November 14, 1947. No. 32258

1. **Waters.** If land is nonirrigable because of natural causes, it cannot lawfully be held in an irrigation district and taxed to support an irrigation system.
2. ———. Whether or not a particular tract of land, from some natural cause, cannot be irrigated, is a question which may be raised at any time in a proper case.
3. **Trial.** A trial judge has the same power to view the premises, on a trial without a jury, as exists in him to permit inspection in a jury trial, and such view or inspection is entitled to the same effect in both cases.

APPEAL from the District court for Lincoln County: I. J. NISLEY, JUDGE. Affirmed.

C. L. Baskins, for appellants.

Carr & Hoagland, for appellee.

Heard before SIMMONS, C. J. PAINE, MESSMORE, YEAGER, CHAPPELL, and WENKE, JJ., and KROGER, DISTRICT JUDGE.

PAINE, J.

This is an action to foreclose a tax sale certificate, owned by plaintiff irrigation district, and issued for delinquent irrigation taxes. Defendants denied that the land could be irrigated, because of natural causes, and therefore was not subject to irrigation taxes within the

district. The decree found generally for the plaintiff, and defendants appealed.

The plaintiff filed a petition alleging that it is a public corporation, organized under the provisions of chapter 46, R. S. 1943, as the Birdwood Canal, for the operation of an irrigation canal to furnish irrigation water for the land in said district; that a canal was constructed through various lands in Section 8, Township 14, Range 32, now owned by the defendants; that the plaintiff district has maintained said canal, and all of said lands have been benefited from the waters of said canal; and that bonds were duly issued by the plaintiff district for the construction required, and taxes levied for the purpose of general maintenance of the plaintiff district.

An itemized statement of the taxes duly assessed for the years 1927 to 1938 inclusive, against Lots 1, 2, 3, and 4 in said Section 8, is set forth. It is alleged that no part of said taxes has been paid, although legally advertised for sale by the county treasurer; that the plaintiff irrigation district purchased said taxes and secured tax sale certificate from the county treasurer of Lincoln County for such delinquent irrigation taxes; and that the amount due on said tax certificate was \$1,622.46, with interest at 7 per cent from September 25, 1940.

The plaintiff prayed for a decree finding the amount due upon said tax certificate, and that the same is a first lien upon the equity of the defendants in said Lots 1, 2, 3, and 4 of said Section 8, consisting of 170.1 acres more or less.

To this petition the defendants filed an answer and cross-petition, admitting that the plaintiff is a public corporation, formed as alleged; admitting that the land described therein was included within the Birdwood Irrigation District at the time of its formation; and admitting that the defendants are the owners of a contract for said land from the State of Nebraska.

Defendants further alleged that said land is not subject to be irrigated and cannot be irrigated because of natural causes; that said land is crossed with depressions and knolls; that underlying the top soil is gravel, making said lands worthless; that said lands were originally within the bed of the North Platte River and there are channels and islands and towheads therein; and that said lands are covered with a very thin coating of soil and cannot be irrigated.

The defendants for cross-petition alleged that they are also owners of Lots 1 and 2 of Section 9, lying immediately east of the other land, which lots 1 and 2 were included within the said irrigation district; that \$381.60 of taxes have been levied against said Lots 1 and 2 for the various years from 1927 to the present time, which taxes the defendants have paid, but under protest; that said lands in Lots 1 and 2 in Section 9 are of the same general character of the lands in Section 8; that they cannot be irrigated because of natural causes; and defendants prayed that the taxes thereon, paid under protest, should be refunded with 6 per cent interest.

For a reply and an answer to the cross-petition, plaintiff denied that the depressions and knolls on lots in Section 8 make the land nonirrigable, and alleged that said lands in Section 8 were included in the district at the time of its formation; that a claim for water of the State of Nebraska was made and filed on July 12, 1895, and at a hearing it was found that said lands could be irrigated and benefited; that said lands have been benefited by water furnished by the plaintiff district; that the lands have produced much more hay than they did prior to irrigation; that the water seeps over and onto said lands from the irrigation district, and that defendants have had the beneficial use of said waters; and that the cross-petition should be dismissed.

Trial was had. The taking of evidence was begun on September 18, 1946. On September 20, both sides having rested in the production of evidence, the cause was continued until the lands could be examined by the court, as requested by counsel on both sides, and thereafter briefs were submitted to the court.

The decree of the court, entered November 8, 1946, recited that the court had made a personal inspection of the land and found: That part of the land is covered with good alfalfa, and another part with good prairie grass, making good hay for livestock; that the land will be benefited by irrigation; that all of the lands can be irrigated profitably; that the ridges were not as bad as testified to by some of the witnesses; and that similar land to that in Section 8 has been profitably irrigated.

The court further found that there was due to the plaintiff district from the defendant, on the tax certificate and the subsequent taxes paid thereon, the sum of \$2,150.56, with interest at 7 per cent; that the same was a first lien upon said lands; that unless the defendants paid said taxes within 30 days the lands would be sold for the satisfaction thereof; and that the cross-petition of the defendants should be dismissed.

The defendants, for their assignments of error, charged that the finding of the court that the land can be profitably irrigated is contrary to the evidence; that the finding that similar lands to those in Section 8 are irrigated is contrary to the evidence; that the judgment dismissing the cross-petition is contrary to law; and that the judgment awarding plaintiff a foreclosure of its tax lien is contrary to law.

It was stipulated between the parties that in the claim for water, filed in July 1895, Lots 1, 2, 3, and 4 in Section 8, Township 14 North, Range 31, West of the 6th P.M., in Lincoln County, Nebraska, were included within the lands listed.

The defendants and appellants in their brief stated that they were raising only one question by the appeal in this case. That question was whether or not the lands are irrigable from the works of the plaintiff irrigation district on account of natural causes, and they alleged that they were not raising any question as to the legality of the taxes levied on Section 8.

The evidence discloses that the four lots in Section 8 are over 170 acres in area, and lie between the north bank of the North Platte River and a county highway running north thereof; that Lots 1 and 2 at the east are wild hay land, and that the 50 acres of alfalfa are to the west in Lots 3 and 4; that the irrigation ditch runs along the north side of the road just north of these four lots, and continues on east about two miles.

Exhibits were introduced of minutes of meeting of the board of directors of the Birdwood Irrigation District sitting as a board of equalization. Exhibit No. 8½ of the minutes of the meeting of the board of directors of plaintiff district of May 1, 1928, showing defendant Harry Brodbeck as a member of the board and making the motion to levy a tax of 100 mills on the dollar on the land in the district. He was also present as a board member at the meeting held May 7, 1929, and he again made the motion fixing the levy for that year. At the meeting on May 7, 1930, he seconded the motion to make a levy of .75 mills on the dollar. He again seconded the motion for the levy on this land under plaintiff's irrigation district on June 2, 1931. Similar minutes were also introduced showing the levy in each of the years in which the delinquent taxes were sold in the tax certificate in suit.

Section 46-176, R. S. 1943, covers the law on the exclusion of land from an irrigation district, the hearing, and the assent of the parties when implied. During the four years while defendant was a member of the board of the plaintiff irrigation district, nor in any other year in which the minutes are set out in the record, do they show any objection of defendants, or any attempt to exclude the land from the district. However, the last provision in said section reads as follows: "PROVIDED, in no case shall any land be held by any district or taxed for irrigation purposes which cannot from any natural cause be irrigated thereby".

It appears from this statutory provision just set out that the question, whether or not lands taxed in an irrigation district are incapable of irrigation because of natural causes, can be raised at any time by the owners of the land, and therefore can be raised even in these proceedings on the foreclosure of this tax certificate.

In the case of *Sowerwine v. Central Irrigation District*, 85 Neb. 687, 124 N. W. 118, it was expressly held that land which from some natural cause is nonirrigable may be detached from the irrigation district, following the rule laid down in the second opinion in *Andrews v. Lillian Irrigation District*, 66 Neb. 461, 97 N. W. 336 which held that land which cannot from any natural cause be irrigated could not lawfully be held in the district and taxed to support the system.

In the case of *Morrow v. Farmers Irrigation District*, 117 Neb. 424, 220 N. W. 680, it was said that "if for any reason growing out of natural causes a particular tract of land does not require additional water to be artificially provided, or is in such a location that water

cannot be conducted to it by artificial means, then it cannot be said to be benefited by irrigation."

In *State v. Several Parcels of Land*, 80 Neb. 424, 114 N. W. 283, this court quotes, in discussing the rule in *Andrews v. Lillian Irrigation District*, *supra*: "Whether a particular tract of land from some natural cause cannot be irrigated is a question which goes to the jurisdiction of the county board over such tract and may be raised at any time in a proper case, because section * * * expressly denies the jurisdiction of the county board to include such land in an irrigation district, or to tax it for irrigation purposes.'"

We therefore reach the conclusion that, under a long line of Nebraska decisions, the question whether or not a certain tract of land by reason of natural causes cannot be irrigated, may be raised in the case at bar in an action to foreclose a tax certificate.

In the instant case, the counsel for both parties joined in a request that the court go out and examine the property involved, and the trial was adjourned for a couple of days so that the court might have ample time to make such an investigation. The court in its decree sets out its findings both from its personal inspection and from the evidence.

The question arises, what weight should be given to the court's finding in this regard? Section 25-1108, R. S. 1943, says that whenever in the opinion of the court it is proper for the jury to have a view of the property which is the subject of the litigation, it may order them to visit the place, under a proper officer.

In *Carter v. Parsons*, 136 Neb. 515, 286 N. W. 696, this court reviewed many authorities and held: "A trial judge has the same power to view the premises, on a trial without a jury, as exists in him to permit inspection on a jury trial, and such view or inspection is entitled to the same affect in both cases." It was further stated that such inspection by the court constitutes evidence, because the relevant and competent facts revealed by such inspection necessarily affect the mind of the trial judge and tend to produce belief or disbelief on any issue.

This question was discussed by this court in *Independent Stock Farm v. Stevens*, 128 Neb. 619, 259 N. W. 647, in which it was said that the view by the trial court placed it at a vantage point which this court does not have.

In *Higgins v. Adelson*, 131 Neb. 820, 270 N. W. 502, *Taxpayers' League v. Wightman*, 139 Neb. 212, 296 N. W. 886, *De Vore v. Board of Equalization*, 144 Neb. 351, 13 N. W. 2d 451, and *Lippincott v. Lippincott*, 144 Neb. 486, 13 N. W. 2d 721, the effect of an inspection by the trial judge is discussed from various viewpoints, and from a study of all of these cases it is our conclusion that a court, in making its observation the locus in quo, takes into account the facts there disclosed, together with the evidence taken on the trial of the case, and

the two together from the basis of his determination of the issues involved.

In the case at bar, the evidence as found in the bill of exceptions preponderates in favor of the plaintiff, and considering the findings of the trial court, as heretofore set out herein, based in part on its inspection of the land, no doubt remains that the lands can be irrigated.

In regard to defendants' cross-petition asking for the refund of the irrigation taxes defendants had paid on their land in the adjoining Section 9, for the reason that the land could not be irrigated by reason of natural causes, the situation is governed by section 46-141, R. S. 1943, which provides that the person complaining shall file in the office of the secretary of such irrigation district a copy of his tax receipt, showing that it was paid under protest, together with a sworn affidavit showing why the tax so paid under protest should be refunded.

The evidence does not disclose that the required affidavit was filed by defendants; therefore, not having complied with the law, the court rightly dismissed the cross-petition.

In conclusion, we find that the claim of the defendants that the lands in Section 8 cannot be irrigated because of natural causes was not supported by the evidence, and the findings and decree of the trial court are right and are hereby affirmed.

AFFIRMED.

IN RE APPLICATION OF NORTH LOUP RIVER PUBLIC POWER
AND IRRIGATION DISTRICT V. LOUP RIVER PUBLIC
POWER DISTRICT.

Filed June 18, 1948. No. 32366.

1. If a judgment in fact was rendered, if an order in fact was made, and such judgment or order not recorded, then the court, at any time afterwards, in a proper proceeding and upon a proper showing, is invested with the power to render nunc pro tunc such judgment or make such order.
2. The proper function of a nunc pro tunc order is not for the purpose of correcting some affirmative action of the court which ought to have been taken, but its true purpose is to correct the record which has been made, so that it will truly record the action really had, but which through some inadvertence or mistake has not been truly recorded. In other words, it is an order to make the record speak the truth.
3. Such a judgment must conform to and be no broader in its terms than the judgment actually entered.

Heard before SIMMONS, C.J., PAINE, CARTER, MESSMORE,
YEAGER, CHAPPELL, and WENKE JJ. SIMMONS, C.J.

In this case the North Loup River Public Power and Irrigation District filed an application with the Department of Roads and Irrigation seeking an order nunc pro tunc modifying, amending, and correcting its permit No. 2312 granting an appropriation of water for irrigation purposes. A petition in intervention supporting the application was filed on behalf of the North Loup River Water Users Association. The Loup River Public Power District filed objections, as did a considerable number of junior appropriators of water from the stream involved. Issues were made and a hearing had resulting in an order of the Department of Roads and Irrigation denying the application. Motion for rehearing was filed and denied. On appeal here we sustain the decision.

Herein the North Loup River Public Power and Irrigation District will be referred to as the irrigation district; the Loup River Public Power District as the power district; and the Department of Roads and Irrigation as the department.

This is a companion case to Middle Loup Public Power and Irrigation District v. Loup River Public Power District, *ante* p. —, — N. W. 2d —. Whenever necessary herein we will refer to the companion case as the Middle Loup case. The two cases were tried together. The bill of exceptions in the Middle Loup case is a copy of the bill in this case.

On September 15, 1932, an application for an appropriation of water from the Loup River for power purposes was filed by Phil R. Hockenberger with the department. It was numbered 2287. A corrected application was filed June 12, 1933, on behalf of the power district.

On March 28, 1933, there was filed on behalf of the irrigation district an application for water for irrigation purposes from the North Loup River, a tributary of the Loup River. It was numbered 2312. A corrected application was filed June 23, 1933.

On September 21, 1933, the irrigation district filed objections to the granting of the power district's application insofar as and to the extent that the granting of said application would prevent, curtail or limit the diversion of water from the North Loup River by the irrigation district under its application.

A hearing was had on December 27, 1933, on the application of the power district and the protest of the irrigation district. At that hearing the irrigation district stated that it had no objection to the granting of the application of the power district provided it be on condition that the appropriation did not prevent, curtail or limit "the diversion of water from the North Loup River" by the irrigation district for irrigation purposes to the extent of 38,000 acre-feet per year at a maximum rate of 260 second-feet, when and if the irrigation district's project was approved by the Federal Emergency Administration of Public Works of the United States, or other governmental authority,

and when and if its pending application for water for irrigation was granted. The power district accepted the conditions so stated of the irrigation district subject to the reservation that if the Public Works Administration refused to finance the power district under these conditions, a rehearing could be had and the whole matter again considered.

On February 24, 1934, the application of the power district was granted, and on March 23, 1934, a modified order was entered providing, so far as material here, that "The amount of the appropriation shall not exceed thirty-five hundred (3500) cubic feet per second of time, and shall not; * * * (b) Prevent, curtail or limit the diversion of water from the North Loup River by said North Loup River Public Power and Irrigation District for irrigation purposes to the extent of 38,000 acre feet per year at a maximum rate of 260 second feet, when and if its said project is approved by the Federal Emergency Administration of Public Works of the United States, or other Governmental authority, and when and if its said pending application for water for irrigation is granted." Under this grant the power district, having secured the funds, completed its project and it was put into operation in 1937.

On August 25, 1936, the power district, the irrigation district, and the Middle Loup Public Power and Irrigation District entered into an agreement to the effect that for a period of three years the irrigation districts would allow a fixed minimum of water to pass their lowest headgates; that any and all water grants to the irrigation districts should "strictly conform to the provisions of the grant of water rights" to the power district, dated March 23, 1934; and that the power district, and each irrigation district, as to the other, agreed not to object to nor interfere in the granting of the then pending applications of the irrigation districts for water rights. The agreement by express terms expired three years after its date.

On September 15, 1936, the department granted the application of the irrigation district subject to the conditions material here that:

"6th. The prior right of all persons who, by compliance with the laws of the State of Nebraska, have acquired a right to the use of the waters in Water Division Number 2-A must not be interfered with by this appropriation, with the exception of Application 2287 for power, which by stipulation, is subsequent in priority to Application 2312.

"7th. The amount of the appropriation shall not exceed—260.00—cubic feet per second of time; neither shall it exceed the capacity of said ditch or canal, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of good husbandry; and, further, said appropriation, under any circumstances, shall be limited to one-seventieth ($1/70$) of a cubic foot per second of time for each acre of land to which water is actually and usefully applied on or before to one-acre foot for each acre of land to which water is actually and usefully applied on or before October 1, 1944."

Under this grant the irrigation district, having secured the funds, completed its project and it was put in operation in the fall of 1938, and began delivering water in 1939.

It does not appear that the irrigation district was dissatisfied with this order at the time it was entered and did not appeal from it, and it has become final. (See *Loup River Public Power District v. North Loup River Public Power and Irrigation District*, 142 Neb. 141, 5 N. W. 2d 240.) It is this order which the irrigation district now seeks to have modified, amended, or corrected nunc pro tunc, so as to provide a limitation of one second-foot to each seventy acres irrigated, and to allow a sufficient total seasonal headgate diversion to deliver one acre-foot per acre per season on the land, with a maximum of 260 second-feet and 38,000 acre-feet, limited only in relation to the power district's appropriation, and with permission to take additional water above 38,000 acre-feet after the priority of the power district is satisfied and within the above limitations for the land actually irrigated.

It appears from the evidence that at the time the irrigation district was being promoted it was anticipated that it would furnish water to 38,000 acres of land. At the time of the hearing herein there were actually under irrigation about 22,000 acres, with a possible 5,000 acres more subject to being so irrigated.

The irrigation district here alleges in the application that the limitation of one acre-foot to each acre of land was inadvertent, ill-advised, and contrary to the intention of the parties to the stipulation of December 27, 1933, and contrary to the intentions of the department; that the limitation should have been to the diversion of 38,000 acre-feet at a maximum rate of 260 second-feet, a maximum of one second-foot for each seventy acres and a maximum of three acre-feet per acre per year; that it was intended that the one acre-foot per acre was to be measured at the land to which should be added a sufficient amount of water at the point of diversion to enable the irrigation district to deliver the one acre-foot for each acre actually irrigated; and that in the light of our decision in *Loup River Public Power District v. North Loup River Public Power and Irrigation District*, *supra*, the inadvertent and unintentional omission from its permit of a specific provision as to the place where the water was to be measured casts a cloud upon its appropriation, and the amount of water it may divert has been rendered uncertain and subject to controversy, and that because of the inadvertence the order should be corrected and modified so as to make allowances for losses in transportation.

The power of the department to enter an order nunc pro tunc, to the same extent as a court may, is not disputed here. The question is, is the irrigation district entitled to a nunc pro tunc order.

We have held and consistently followed the rule that the authority of a court to enter a judgment nunc pro tunc is an inherent power, and that "If a judgment in fact was rendered, if an order in fact was

made, and such judgment or order not recorded, then the court, at any time afterwards, in a proper proceeding and upon a proper showing, is invested with the power to render nunc pro tunc such judgment or make such order." *Van Etten v. Test*, 49 Neb. 725, 68 N. W. 1023. See, also, *Hyde v. Michelson*, 52 Neb. 680, 72 N. W. 1035, 66 Am. S. R. 533; *Gund & Co. v. Horrigan*, 53 Neb. 794, 74 N. W. 257; *Clark & Leonard Investment Co. v. Rich*, 81 Neb. 321, 115 N. W. 1084, 15 L. R. A. N. S. 682.

In *Central West Investment Co. v. Barker Co.*, 79 Neb. 47, 112 N. W. 291, we held that before the rule may be applied it must appear that there was a judgment or order announced which the court intended as the disposition of the issue considered.

In *Calloway v. Doty*, 108 Neb. 319, 188 N. W. 104, we held: "It must be borne in mind that the proper function of a nunc pro tunc order is not for the purpose of correcting some affirmative action of the court which ought to have been taken, but its true purpose is to correct the record which has been made, so that it will truly record the action really had, but which through some inadvertence or mistake has not been truly recorded. In other words, it is an order to make the record speak the truth." This holding was restated and followed in the recent case of *O'Grady v. Volchek*, 148 Neb. 431, 27 N. W. 2d 689.

We have also held that such a judgment must conform to and be no broader in its terms than the judgment actually rendered. *Phelps v. Wolff*, 74 Neb. 44, 103 N. W. 1062.

Mr. Tilley was the State Engineer at the time the irrigation district's appropriation was granted on September 15, 1936. He received from the supervising project engineer of the Public Works Administration an oral request for an interpretation of the conditions and limitations of paragraph seven of the irrigation district's appropriation. At that time the project engineer was reviewing the application of the irrigation district for funds. Mr. Tilley testified that the interpretation "might have considerable bearing on whether the district got funds" or not; that there was "quite a little pressure to get government funds"; and that he "didn't try to be unfavorable" to the irrigation district. He replied under date of February 24, 1937, that the department "recognizes the right of the water users under Application 2312 to receive a maximum of one acre-foot of water measured at the land * * *." Mr. Tilley further testified that the failure to provide for three acre-feet diversion at the river in granting the irrigation district's appropriation "must have been an oversight, I presume. * * * there may have been something left out that should have been put in." He "wouldn't attempt to say now" what the order "should have contained"; "if they had been more definite on that one point it would have been a good thing"; "we were in doubt" as to the meaning of the order when the interpretation was made and he was testifying only as to "what I thought I was doing then"; and that the

department intended that the irrigation district could divert up to three acre-feet per acre but not to exceed one acre-foot actually delivered at the land.

Mr. Willis, chief of the Bureau of Irrigation, Water Power and Drainage in the department, testified that he did not recall what part he had in preparing the irrigation district's permit. However, on February 19, 1937, he sent a telegram to the engineer-manager of the irrigation district advising that it was his interpretation of the permit that the district could divert a maximum of 2.9 acre-feet per acre per year if needed to apply a total of one acre-foot per year to each acre irrigated. On August 30, 1939, he wrote the county agent of Valley County that the irrigation district had a right to divert water until the land described in the permit had received one acre-foot per acre for each calendar year, measured at the land. He proceeded to administer the water of the river on that basis so far as the irrigation district was concerned until our decision in *Loup River Public Power District v. North Loup River Public Power and Irrigation District*, *supra*, was filed.

Under date of July 30, 1941, the then State Engineer advised attorneys for the power district that the department would permit the irrigation district to divert sufficient water to deliver one acre-foot on each acre of land, until instructed to the contrary by the court or the Attorney General.

It is obvious that the evidence of Mr. Tilley and Mr. Willis, who had most to do with the granting of the order involved, does not reach back to nor establish that the order entered was not the order determined upon and made.

Further the testimony of Mr. Willis is that the department always measured the appropriation of water at the headgate; that the department never granted any permits with the understanding that the water was to be measured at the land; that it had no means of measuring water at the land; that the only appropriation ever undertaken to be administered at the land were those involved in this action and in the Middle Loup case; that only in these two cases had the department ever undertaken to interpret a permit to mean water measured at the land, and in fact he never so interpreted this order but administratively had undertaken to determine how much must be diverted at the headgate to get one acre-foot at the land. He further testified that as "interpreted" there was no way for anyone to show from the order the amount of water that might be diverted from the stream. He further testified that in administering these appropriations he never gave much consideration to the provision in the power district's permit, based on the stipulation, referring to the "diversion of water from the North Loup River" by the irrigation district "for irrigation purposes."

By way of completing a summary of the evidence it should be stated that on September 7, 1939, the supervising engineer of the power district wrote the manager of the irrigation district a letter in which he recited that "the twelve inches of water is to be measured at the land." There is no showing that this was written with the approval of the power district. He testified that he "assumed" that proposition in writing the letter.

There is evidence in this record that would sustain a finding, based on the experience had in actual irrigation, that one acre-foot of water on the land is necessary for good husbandry in irrigated crops in this irrigation district and that losses in transportation would be about 60 per cent of the total water diverted at the headgate.

On behalf of the water users there is evidence that the letter of Mr. Willis to the county agent was circularized to water users and that they signed contracts and made improvements based on the statements contained in that letter.

We have undertaken to summarize all the evidence offered to sustain the application of the irrigation district. It does not sustain their contention that they are entitled to the nunc pro tunc order sought.

It is apparent from this record that the grant of the appropriation of water to the power district was made in accord with the stipulation made by the power district and the irrigation district. It is also apparent that the grant of the appropriation to the irrigation district was made in accord with the same stipulation. Those grants as to language and content were not questioned by any interested parties in direct proceedings before the department. Both districts began to operate in accord with them.

It likewise is apparent that the order entered by the department on the irrigation district's application for water was in truth and in fact the determination then made, and that the order entered correctly states that determination. It is likewise apparent that the irrigation district now seeks an amendment of the order so as to have it recite that which, in retrospect, it now deems should have been made. The effect of the modification sought would be to amend the stipulation of December 27, 1933, into which the irrigation district voluntarily entered. Obviously that cannot be done by a nunc pro tunc order. Events occurring and conditions arising subsequent to the order involved do not justify a modification of the order nunc pro tunc. To grant the application would be to broaden the judgment actually made. That the department is not permitted to do, even granting to it all the powers of a court in a nunc pro tunc proceeding.

We affirm the determination of the department denying the application.

AFFIRMED.

YEAGER, J., dissenting.

I dissent herein in the substance and for the reasons set forth in *In re Application of Middle Loup Public Power and Irrigation District, Middle Loup Public Power and Irrigation District v. Loup River Public Power District*, *ante p.* —, — N. W. 2d —.

Paine, J., concurs in the dissent.

IN RE APPLICATION OF MIDDLE LOUP PUBLIC POWER AND
IRRIGATION DISTRICT v. LOUP RIVER PUBLIC
POWER DISTRICT.

Filed June 18, 1948. Case 32365.

Affirmed on authority of *North Loup River Public Power and Irrigation District v. Loup River Public Power District*, *Post P.* —, N. W. 2d —.

Heard before SIMMONS, C.J., PAINE, CARTER, MESSMORE, YEAGER, CHAPPELL, and WENKE, JJ., SIMMONS C.J.

This is a companion case to *North Loup River Public Power and Irrigation District v. Loup River Public Power District*, *Post P.* —, — N. W. 2d —, released concurrently herewith. It is submitted on the same bill of exceptions. The factual situation varies largely as to name, dates, and in part as to parties. The issue presented and determined is substantially the same.

Herein the Middle Loup Public Power and Irrigation District will be referred to as the irrigation district; the Loup River Public Power District as the power district; and the Department of Roads and Irrigation as the department. The companion case will be referred to as the North Loup case.

The factual situation in the two cases is substantially the same. These differences are noted. The application for water in behalf of the irrigation district was filed December 28, 1932, and given number 2293. A corrected application was filed September 13, 1933. The irrigation district filed the same objections that were filed in the North Loup case. A hearing was had on this application and the objections at the same time the hearing was had on the application and the objections in the North Loup case. The same stipulation and acceptance were made, except that the reference was to the Middle Loup River, to 45,000 acre-feet and a maximum rate of 300 second-feet. The grant of the appropriation of the power district, made on March 23, 1934, contained the provision that "The amount of the appropriation shall not exceed thirty-five hundred (3500) cubic feet per second of time, and shall not; (a) Prevent, curtail or limit the diversion of water from

REPORT OF THE STATE ENGINEER

the Middle Loup River by the Middle Loup Public Power and Irrigation District for irrigation purposes to the extent of 45,000 acre feet per year at a maximum rate of 300 second feet, when and if its said project is approved by the Federal Emergency Administration of Public Works of the United States, or other Governmental authority, and when and if its pending application for water for irrigation is granted."

On September 25, 1936, the department granted the application of the irrigation district subject to the same conditions as set out in the grant to the irrigation district in the North Loup case, with the exception of the reference to application 2293, and 300 cubic feet per second of time.

Here the irrigation district seeks a nunc pro tunc order correcting, modifying, and amending its permit so as to permit it to divert from the Middle Loup River, at the headgates of its canal, sufficient water to enable it to deliver one acre-foot of water for each acre irrigated. Objections were filed by numerous junior appropriators for irrigation purposes and by the power district.

It appears that at the time the irrigation district was being promoted it was anticipated that it would furnish water to 45,000 acres of land. At the time of the hearing herein there were about 12,000 acres actually under irrigation.

Under date of February 25, 1937, Mr. Tilley wrote a letter to the manager of the irrigation district of substantially the same import as the one of February 24, 1937, in the North Loup case. Under date of February 17, 1937, Mr. Willis wrote a letter to the manager of the irrigation district to the effect that its appropriation was governed by the conditions and limitations in the permit, and that it could divert up to three acre-feet in the twelve-month period. The letter of July 30, 1941, referred to in the North Loup case, applied likewise to the irrigation district here. There also is in evidence a letter to the attorney for the irrigation district from Mr. Willis, dated July 10, 1940, stating that the water user is entitled only to one acre-foot per acre on the land during the calendar year, but referring likewise to the limitations and conditions in the grant.

The law applicable and our conclusions in the North Loup case are applicable here. For the reasons there stated we affirm the determination of the department denying the application.

AFFIRMED.

YEAGER, J., Dissenting.

In this case an opinion was written which was adopted by the majority of the court. In the case of *In re Application of North Loup River Public Power and Irrigation District*, Post P. —, — N. W. 2d —, a case wherein identical issues and incidents were presented, but where there was a difference as to name, dates, amount of land,

and in part as to parties, a much more exhaustive majority opinion was adopted. The opinion in the latter case has equal application in all particulars, except those mentioned, to the present case therefore what shall be said herein shall have equal application to both majority opinions and to the issues and questions involved, again except as to the particulars noted.

I must respectfully dissent from the majority opinion.

There was but one issue presented for determination in this proceeding and that was as to whether or not under the facts and circumstances the Department of Roads and Irrigation should be required to amend nunc pro tunc its Certificate of Approval of Application 2293 of the Middle Loup Public Power and Irrigation District, dated September 25, 1936, for diversion of water for irrigation for a contemplated maximum area of 45,000 acres of land.

I submit that the majority opinion decided this question contrary to well-established principles of law and the undisputed and uncontradicted evidence.

I submit also that the effect of this decision is to take away from many thousands of acres of fertile land the water necessary to make them productive, which water they once enjoyed, without even the allowance of an opportunity to litigate the question of whether or not the waters should be so taken away.

Further, it is not too much to say in the light of the record in this case and matters of common knowledge in the state of Nebraska that if the majority opinion is allowed to become the law of this case its effect may well be to make of the works of this district and the preparation of lands therein for irrigation into which vast amounts of public and private funds have gone well nigh a total financial and economic loss, an end results of which will be to take from an all too famished world a goodly portion of much needed sustenance.

This ought not to be allowed to happen without the right to litigate the question of whether or not the lands of this district are entitled to the amount of water intended for them by the Department of Roads and Irrigation which intent is clearly shown by the record presented to this court for review.

This court should allow and require the Department of Roads and Irrigation to declare nunc pro tunc its clear intent and then leave to the courts under issues properly joined the question of whether or not its intention thus clearly expressed was a valid exercise of the powers and prerogatives of that department.

Since, as I believe, the majority opinions fail to portray the complete picture presented by the records and the briefs I deem it advisable and proper, in order that a comprehensive view may be had of all matters properly before the court, to carry what follows into very considerable detail.

This is an appeal by the Middle Loup Public Power and Irrigation District, a public corporation, from an order of the Department of Roads and Irrigation of the State of Nebraska refusing to interpret its original official order granting and defining and prescribing the appropriation of waters for irrigation out of the Middle Loup River for use in the irrigation district of the said corporation in conformity with what this corporation contended was its proper interpretation and intendment, and its refusal to amend its said original order or promulgate an interpretation thereof so as to include or make clear the contended for interpretation and intendment.

Instead of adopting the interpretation of this corporation it adopted a different one contended for by the Loup River Public Power District and others.

As pointed out the Middle Loup Public Power and Irrigation District is the moving party herein and the appellant. Others joined in support of its contentions. The Loup River Public Power District with others were objectors and are appellees here. Since rights ought not to be determined in this proceeding the identity of parties outside of the Middle Loup Public Power and Irrigation District and the Loup River Public Power District is not important and accordingly they will not be identified.

The order in question was signed and approved on September 25, 1936, and is the following:

"This is to certify that the foregoing application has been examined and is hereby granted subject to the following limitations and conditions:

"1st. The work of construction shall begin on or before March 25, 1937.

"2nd. The time for completing the work of construction shall extend to November 1, 1939.

"3rd. The time for completing the application of water to the beneficial use indicated shall extend to October 1, 1944.

"4th. The water appropriated shall be used for the purpose of irrigation.

"5th. The prior rights of the owners of land bordering on this stream, or through which this stream flows, to so much of the natural flow of this stream as is necessary for domestic uses, including stock water, must be respected.

"6th. The prior rights of all persons who, by compliance with the laws of the State of Nebraska, have acquired a right to the use of the waters in Water Division Number 2-A must not be interfered with by this appropriation, with the exception of Application 2287 for power, which by stipulation, is subsequent in priority to Application 2293.

"7th. The amount of the appropriation shall not exceed 300.00 cubic feet per second of time; neither shall it exceed the capacity of

said ditch or canal, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of good husbandry; and, further, said appropriation, under any circumstances, shall be limited to one acre-foot for each acre of land to which water is actually and usefully applied on or before October 1, 1944.

"8th. The applicant shall file in the office of the Department of Roads and Irrigation on or before March 25, 1937, a map or plat, which map or plat shall be made to conform to the rules and regulations of the department. A failure to comply with this section shall work a forfeiture of this appropriation and all rights thereunder.

R. L. COCHRAN

Governor of Nebraska

DEPARTMENT OF ROADS AND
IRRIGATION

A. C. TILLEY

State Engineer

"Approved September 25, 1936."

The interpretation contended for by the appellant was and is that the Department of Roads and Irrigation by the appropriation order intended that a maximum of one acre-foot for each acre of land to which water is actually and usefully applied was deliverable to the district in such manner as to permit the use of that amount of water on the land. This contention of course embodied the further contention that it was intended that a sufficient further amount of water, within statutory limits, should be released at the point of diversion to insure delivery of one acre-foot for each acre upon the land.

It is of course common knowledge of which the Department of Roads and Irrigation and the courts take notice that in the transportation of water for irrigation from the point of diversion to the area of use there is loss, the amount of which is dependent on distance, temperature, character of soil through which it is transported, and other factors.

It appears well to interpolate here that no appropriation shall exceed three acre-feet in the aggregate during one calendar year for each acre of land for which an appropriation shall be made. S. 46-231, R. S. 1943.

The appellees contend that the Department of Roads and Irrigation by the order intended that the appropriation was for a maximum of one acre-foot for each acre of land to which water is actually and usefully applied, measured at the point of diversion. This of course would give appellant for use upon the land only what was left over after loss from transportation.

A complete hearing was had before the Department of Roads and Irrigation and at the conclusion thereof an order was entered denying the request of the appellant for the interpretation it sought to have placed upon and the amendment it sought of the order granting the appropriation.

If we assume the propriety of the request of appellant for an interpretation and amendment of the order then we cannot, on the evidence, do other than conclude that the relief requested must be granted. That the department intended that a maximum of one acre-foot should be delivered for use upon the land there can be but little, if any, question. There is no evidence indicating a contrary intention unless it may be said that the order by its terms on its face does so. The State Engineer gave testimony that it was the intention that one acre-foot might be delivered upon the land and that water not to exceed three feet might be released at the point of diversion to accomplish this purpose. In 1937 by letter which is in evidence this same intendment was expressed. All other witnesses who had a connection with this matter have placed this same interpretation upon the order and acted in accordance with that interpretation until they assumed that they were by opinions of this court (Loup River Public Power District v. North Loup River Public Power and Irrigation District, 142 Neb. 141, 5 N. W. 2nd 240, and Loup River Public Power District v. Middle Loup Public Power and Irrigation District, 142 Neb. 156, 5 N. W. 2d 249), prevented from further so acting. Even the Loup River Public Power District appears to have accepted this interpretation and intendment and to have recognized its effectiveness, at least as late as September 1939. In a letter dated September 7, 1939, to H. C. James, Chief Engineer and General Manager of the Middle Loup Public Power and Irrigation District, Fred C. Albert, Supervising Engineer and Assistant General Manager of the Loup River Public Power District, wrote with particular reference to this subject, among other things, the following:

"As I interpret your water right, you are allowed to divert from the river one acre-foot per year for each acre actually under irrigation, and at a maximum rate of one second foot for each 140 acres being served. Since the twelve inches of water is to be measured at the land, I believe we should come to some agreement on an average figure for canal losses in order to determine the quantity which must be diverted from the river in order to deliver the twelve inches of water to the land."

There is no word of evidence in this record indicating a claim for an interpretation other and different than the one contended for by the appellant prior to the commencement of action in Loup River Public Power District v. North Loup River Public Power and Irrigation District, *supra*, and Loup River Public Power District v. Middle Loup Public Power and Irrigation District, *supra*.

It is clear that, as contended by appellant, the Department of Roads and Irrigation by its order intended an appropriation of a maximum of one acre-foot of water for each acre of land not at the point of diversion but at the land. It appears that the Loup River Public Power District acquiesced in this intendment as late as September 7, 1939.

Of course the evidence of the intention herein discussed may not be considered or regarded as declaratory of or as containing the intent of the Department of Roads and Irrigation if the order itself clearly, completely, and unambiguously contains an expression of intent different from the one which the evidence other than the order itself clearly sustains. It is only in the case of ambiguity, uncertainty, or lack of clarity that it is permissible to show by extrinsic evidence the intent in the making and promulgation of an order by an administrative tribunal and for such body to amend its order to express the true purpose and intention at the time of making. 49 C. J. S., Judgment, s. 237, p. 449; 42 Am. Jur., Public Administrative Law, S. 174, p. 535.

The question which must be answered here is whether the following statement is so clear that the only interpretation of which it is capable is that placed upon it by the appellees or if it is also subject to the interpretation placed upon it by the appellant: " * * * said appropriation, under any circumstances, shall be limited to one acre-foot for each acre of land to which water is actually and usefully applied * * *."

On the one side, among other arguments, it is argued the department must have meant one acre-foot of water for each acre of land measured at the point of diversion since that is the only way that irrigators generally may have any reasonable assurance of benefits from irrigation.

On the other hand, likewise among other arguments, it is argued that by the terms of the order itself it was apparent that the department understood that this land required for profitable irrigation one acre-foot of water for use upon each acre of land and that it was the purpose of the order to respond to that need.

Attention is called to the arguments in order to point out that when each of them in its turn is analyzed in the light of statutory pronouncement, declared legal principle, proved facts, and known experience, it cannot be said that any of them is without convincing logic or rationalism to one reasonable mind but not to another.

This being true how then can it be said that these words in and of themselves carry a purport, an effect, a meaning, clear, certain and unambiguous? It must therefore be concluded that the order is not clear in its terms on its face and that extraneous information must be resorted to in order to ascertain the intendment of the Department of Roads and Irrigation in its making.

The Loup River Public Power District asserts in substance that there was no error in the refusal of the Department of Roads and Irrigation to grant the relief requested by appellant, in truth that it was barred from doing so by the opinion and decisions in Loup River Public Power District v. North Loup River Public Power and Irrigation District, *supra*, and Loup River Public Power District v. Middle Loup Public Power and Irrigation District, *supra*. It says substantially that the opinions and decisions in those cases are conclusive on the propositions that appellant under the order is limited to a maximum of one acre-foot of water for each acre of land measured at the point of diversion without any allowance for loss in transportation.

It is clear that the department in its decision herein accepted and was controlled by the interpretation placed upon those decisions by the Loup River Public Power District.

The interpretation thus placed upon the decisions and the acceptance thereof by the department were incorrect and without sound legal basis. The decisions in those cases were neither an interpretation of the appropriation order herein in question nor a determination of any substantial right thereunder.

The decisions in those cases were, and could have been, only that the petitions therein, wherein the Loup River Public Power District was seeking to have the Middle Loup Public Power and Irrigation District and the North Loup River Public Power and Irrigation District enjoined from taking more than one acre-foot of water for each acre of land in their respective districts, were not vulnerable to a general demurrer, or in other words, that they stated a cause of action. The decision which was made is in the following words which appear in the opinion in Loup River Public Power District v. North Loup River Public Power and Irrigation District, *supra*, and refer to the petition: "In our opinion, it states a cause of action, and the trial court was in error in sustaining a general demurrer thereto." Nothing else could have been properly decided since that was the only matter before the court for determination and decision. 21 C. J. S., Courts, s. 222, p. 408.

The decisions in those two cases left the substantial rights of the parties under the appropriation order in question judicially undetermined. It may be well to say here that the determination of the matters properly before this court at this time will also leave judicially undetermined the substantial rights of the parties under the appropriation.

Finally the appellees say that the relief requested herein may not be granted for the reason that the Department of Roads and Irrigation is without power to amend its order.

Of course if the application here is to have made what may be properly termed a judicial correction, change, or amendment it cannot be granted. The general rule is that after the term at which it was rendered, or of the statutory period of limitation, in cases governed

by statute, a judgment is no longer open to amendment, revision, modification, or correction which involves the exercise of judgment or discretion of the court on the merits or on matters of substance. 49 C. J. S., Judgments, s. 238, p. 451; *Wilson v. City of Fergus Falls*, 181 Minn. 329, 232 N. W. 322; *Kroier v. Kroier*, 95 Fla. 865, 116 So. 753; *State ex rel Holtkamp v. Hartmann*, 330 Mo. 386, 51 S. W. 2d 22; *Oregon Mortgage Co., Ltd., v. Kunneke*, 76 Mont. 117, 245 P. 539; *College Coal Mining Co. v. Smith*, 160 Tenn. 93, 21 S. W. 2d 1038; *Frost v. District Court*, 96 Utah 106, 83 P. 2d 737, rehearing denied, 96 Utah 115, 85 P. 2d 601.

This rule however does not obtain where the purpose is to correct or amend clerical or formal errors and misprisons so as to make the record entry speak the truth and show the judgment which was actually rendered by the court. 49 C. J. S., Judgments, s. 237, p. 449; *Hoagland v. Way*, 35 Neb. 387, 53 N. W. 207; *Wachsmuth v. Orient Ins. Co.*, 49 Neb. 590, 68 N. W. 935; *Ackerman v. Ackerman*, 61 Neb. 72, 84 N. W. 598; *Phelps v. Wolff*, 74 Neb. 44, 103 N. W. 1062; *Calloway v. Doty*, 108 Neb. 319, 188 N. W. 104.

What has been said up to this point with regard to corrections and amendments has had application to courts but the same general rules are applicable to administrative bodies, however, the opposite is true in some jurisdictions. The two lines of authority are referred to in 42 Am. Jur., Public Administrative Law, s. 174, p. 535. I submit that the general rule is the better one and accordingly approved.

I conclude that the relief requested by appellant of the Department of Roads and Irrigation did not call for an exercise of judicial discretion but only to have the record entry speak the truth and show the appropriation order which was actually rendered by the department.

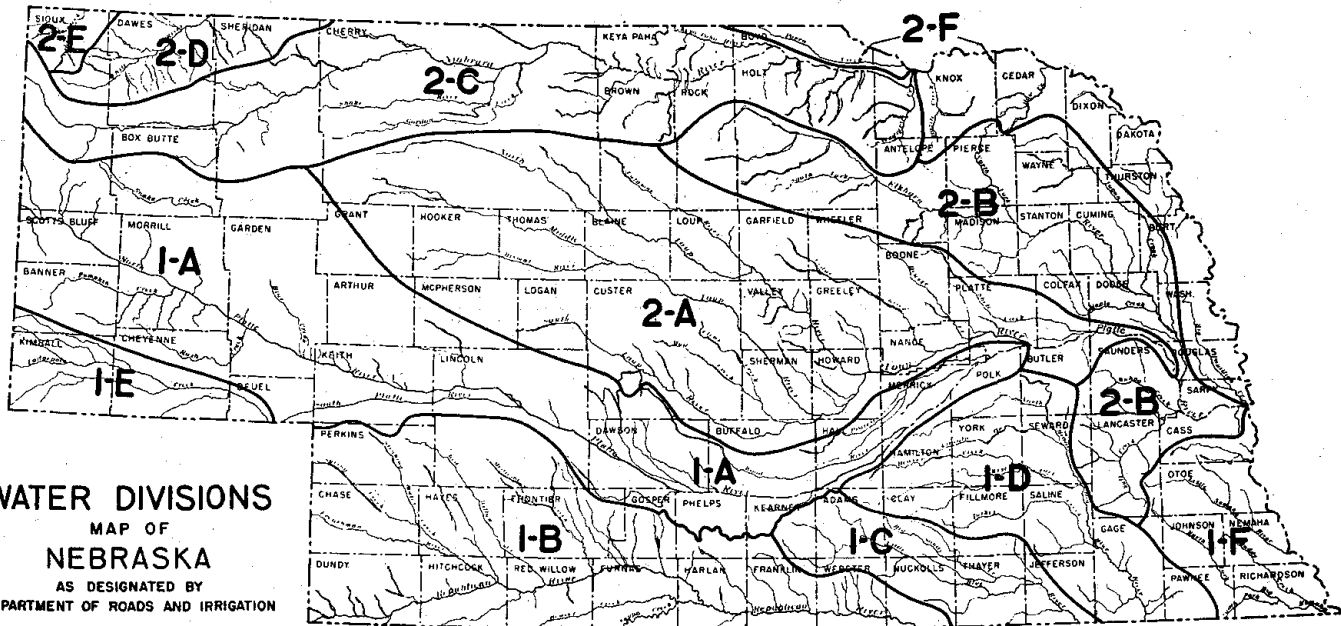
The Department of Roads and Irrigation erred in its refusal to amend its order of appropriation so that it would show the intent that the appellant was entitled to a maximum of one acre-foot of water delivered to each acre of land to which water was actually and usefully applied, if in the exercise of good husbandry the land in the district required that amount of water.

The judgment should be reversed and the cause remanded to the Department of Roads and Irrigation with directions to amend its order of September 25, 1936, nunc pro tunc as of that date to conform with the intentment of the department at that time.

Paine, J., concurs in the dissent.

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DIVISION OF STATISTICS



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

WATER DIVISIONS AND WATER DISTRICTS

WATER DIVISIONS: DENOMINATION

The State of Nebraska is hereby divided into two water divisions, denominated water division No. 1 and water division No. 2, respectively. (Revised Statutes, 1943, 46-215).

WATER DIVISION NO. 1. BOUNDARIES

Water division No. 1 shall consist of all the lands of 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 or subterranean streams not tributary to the Platte River. (Revised Statutes, 1943, 46-216).

WATER DIVISION NO. 2. BOUNDARIES

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 all other lands of the state not included in any other water division. (Revised Statutes, 1943, 46-217).

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 following tables give a complete list of all claims and applications of record in the Bureau of Irrigation, Water Power and Drainage, which have not been canceled. This list also includes applications which have been filed and not approved.

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 which were acquired under the law prior to April 4, 1895, and those having application numbers are to appropriate water under the law of 1895.

Following these tables are the applications and claims which have been canceled, or dismissed during the past two years.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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.....	Lobner, Karl.....	Lewellen.....	Gillard Canal.....	Irrig.....	1.43	3	16	42	Garden.....	Dec.	31	1890	812	
Ash Creek.....	Rittenhouse, Evan V....	Lewellen.....	Pump.....	Irrig.....	.43	10	16	42	Garden.....	Oct.	22	1940		3305
Barrow Pit.....	Taylor, A. O.....	Minatare.....	Barrow Pit Canal.....	Irrig.....	.29	19	21	52	Scotts Bluff	Apr.	23	1904		751
Big Horn Creek..	Muhr, John O.....	Harrisburg..	Muhr Canal.....	Irrig.....	1.03	25	19	54	Banner.....	Jan.	24	1947		4027
Birdwood Creek..	Birdwood Irrig. District.	North Platte.	Birdwood Canal.....	Irrig.....	100.00	35	15	33	Lincoln.....	Oct.	21	1893	646	
Birdwood Creek..	Equitable Farm and Stock Imp. Company	North Platte.	West Birdwood Canal....	Irrig.....	8.57	22	15	33	Lincoln.....	Jan.	16	1894	652	
Birdwood Creek..	Thaelke, O. H.....	North Platte.	Beauchamp Canal.....	Irrig.....	3.00	15	15	33	Lincoln.....	Sept.	19	1894	677	
Birdwood Creek..	Kelso, Dick.....	Hershey.....	Pump.....	Irrig.....		23	16	33	Lincoln.....	June	14	1948		4286
Blue Creek.....	Union Irrig. and Water Power Company	Lewellen.....	Union Canal.....	Irrig.....	23.44	18	16	42	Garden.....	May	16	1890	763	

BUREAU OF IRRIGATION

Blue Creek.....	Union Irrig. and Water Power Company	Lewellen.....	Graf Canal.....	Irrig.....	1.20	19	16	42	Garden.....	May	16	1890	763R
Blue Creek.....	Hooper Irrig. District...	Lewellen.....	Hooper Canal.....	Irrig.....	12.25	6	16	42	Garden.....	Sept.	7	1893	781
Blue Creek.....	Hooper Irrig. District...	Lewellen.....	Graf Canal.....	Irrig.....	.21	19	16	42	Garden.....	Sept.	7	1893	781R
Blue Creek.....	Blue Creek Irrig. Dist...	Lewellen.....	Blue Creek Canal.....	Irrig.....	185.71	33	17	42	Garden.....	Dec.	27	1893	785
Blue Creek.....	Meeker Ditch Company...	Lewellen.....	Graf Canal.....	Irrig.....	31.43	19	16	42	Garden.....	Apr.	2	1894	788
Blue Creek.....	Meeker Ditch Company...	Lewellen.....	Hooper Canal.....	Irrig.....	.27	6	16	42	Garden.....	Apr.	2	1894	788R
Blue Creek.....	Blue Creek Irrig. Dist...	Lewellen.....	Blue Creek Canal.....	Irrig.....	5.20	21	17	42	Garden.....	Sept.	27	1894	795
Blue Creek.....	Paisley Irrig. District...	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
Blue Creek.....	Paisley Irrig. District...	Oshkosh.....	Paisley Canal.....	Irrig.....	4.00	28	17	42	Garden.....	July	14	1899	515
Blue Creek.....	Eggers, J. E.....	Lewellen.....	Blue Creek Canal.....	Irrig.....	.42	33	17	42	Garden.....	Jan.	4	1912	1154
Blue Creek.....	Paisley Irrig. District...	Oshkosh.....	Paisley Canal.....	Irrig.....	3.30	28	17	42	Garden.....	Feb.	25	1924	1738
Blue Creek.....	Blue Creek Public Power and Irrig. Dist.	Lewellen.....	Blue Creek Reservoir...	Storage...		28	17	42	Garden.....	Aug.	24	1933	2345*
						33	17	42	Garden.....	Aug.	24	1933	2345*
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 Spr...	The McGinley Land and Cattle Company	Ogallala.....	Maddox Canal.....	Irrig.....	2.28	8	14	36	Keith.....	Oct.	3	1908	918
Buffalo Creek...	Kopf, Walter W.....	Lexington...	Pump.....	Irrig.....	.57	21	12	22	Dawson....	Mar.	3	1926	1799
Buffalo Creek...	Broe, John L.....	Elm Creek...	Pump.....	Irrig.....	1.81	35	9	19	Dawson....	Sept.	15	1926	1859
Buffalo Creek...	Volkman, Emeal A.....	Eustis.....	Pump.....	Irrig.....	1.62	18	9	19	Dawson....	July	19	1927	1944
Buffalo Creek...	Philpot, W. J.....	Overton.....	Pump.....	Irrig.....	3.33	28	9	19	Dawson....	July	26	1927	1946
Buffalo Creek...	The Union Central Life Insurance Company	Grand Island.	Pump.....	Irrig.....	1.65	12	9	20	Dawson....	Oct.	10	1927	1959
Buffalo Creek...	Mitchell, Geo. E.....	Elm Creek...	Pump.....	Irrig.....	2.16	36	9	19	Dawson....	Feb.	20	1928	1985
Buffalo Creek...	Manger, Marie.....	Elm Creek...	Pump.....	Irrig.....	2.22	4	8	18	Buffalo....	Mar.	5	1928	1988
Buffalo Creek...	Manger, B. F.....	Elm Creek...	Pump.....	Irrig.....	2.21	4	8	18	Buffalo....	Mar.	5	1928	1988R
Buffalo Creek...	Ross, Julia A.....	Elm Creek...	Pump.....	Irrig.....	.94	5	8	18	Buffalo....	Apr.	30	1928	2012

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

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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....	Wilson, Harry W.....	Overton.....	Wilson Canal.....	Irrig.....	2.29	18	9	19	Dawson....	Nov.	12	1928	2052	
Buffalo Creek....	Ulrich, Marie A.....	Lexington.....	Pump.....	Irrig.....	.52	1	8	19	Dawson....	Feb.	4	1929	2068	
(See Mud Cr.)														
Buffalo Creek....	Poolson, Ora E.....	Elm Creek....	Pump.....	Irrig.....	1.03	21	9	19	Dawson....	Mar.	5	1929	2074	
Buffalo Creek....	Manger, B. F.....	Elm Creek....	Pump.....	Irrig.....	.23	33	9	18	Buffalo....	June	19	1929	2087	
Buffalo Creek....	Bliss, Earl E.....	Elm Creek....	Pump.....	Irrig.....	4.57	12	9	20	Dawson....	July	13	1929	2089	
Buffalo Creek....	Jensen, Peter E.....	Cozad.....	Pump.....	Irrig.....	1.00	21	11	22	Dawson....	July	17	1929	2090	
Buffalo Creek....	Kopf, Walter W.....	Lexington....	Kopf Reservoir.....	Storage....	†189A	F	21	12	22	Dawson....	Dec.	23	1930	2180
Buffalo Creek....	Callender, Gladys.....	Lincoln.....	Pump.....	Irrig.....	18	9	19		Dawson....	June	20	1940	3185*	
Buffalo Creek....	Nebraska Mid-State Reclamation District	Grand Island.	Buckeye Valley Reservoir	Storage....	1	9	20		Dawson....	Sept.	3	1943	3640*	
Buffalo Creek....	Cadwallader, Chas. N....	Lincoln.....	Pump No. 2.....	Irrig.....	3	8	18		Buffalo....	Aug.	7	1948	4322	
Buffalo Creek....	Cadwallader, Chas. N....	Lincoln.....	Pump No. 4.....	Irrig.....	3	8	18		Buffalo....	Aug.	7	1948	4324	
Bull Drain.....	Norris, Mrs. David.....	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., Est..	Gering.....	Carter Canal.....	Irrig.....	3.38	27	21	56	Scotts Bluff	Oct.	13	1922	1691	
Cedar Creek.....	Fairchild, Clarence H., et al	Broadwater..	Nelson-Radcliffe Canal..	Irrig.....	2.77	28	18	48	Morrill....	June	1	1882	1034a	
Cedar Creek.....	Fairchild, Howard E....	Broadwater..	Radcliffe Canal No. 2..	Irrig.....	1.23	34	18	48	Morrill....	July	1	1885	1034b	
Cedar Creek.....	Fairchild, Clarence H....	Broadwater..	Radcliffe Canal No. 3..	Irrig.....	.76	27	18	48	Morrill....	Feb.	14	1890	1034c	
Clear Creek.....	Fischer Bros.....	Lewellen....	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 and Bairn.....	Lewellen....	Williams Canal.....	Irrig.....	1.00	28	16	41	Keith.....	May	18	1894	747	
Clear Creek.....	Barber, Mrs. 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.....	Barber, Mrs. F. H. and Harper, R. F.....	Lincoln.....	Harper Canal.....	Irrig.....	2.97	32	16	41	Keith.....	Apr.	15	1933	2316	
#Clear Creek.....	Houser, Laura.....	Columbus.....	Hegi Reservoir.....	Storage...	†1.55A	F	21	16	1	Polk.....	May	29	1942	3571
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. District.....	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 Reservoir...	Storage...		27	18	46	Garden.....	July	20	1936	2591*	
Coon Creek.....	Hansen, Henry P.....	North Platte.	Coon Creek Canal.....	Irrig.....	.71	34	15	37	Keith.....	July	3	1895	69	
Coon Creek.....	Hansen, Henry P.....	North Platte.	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 Reservoir.	Storage...	†7000A	F	21	20	44	Garden.....	Jan.	30	1920	1575
Crescent Lake Reservoir	Lake Water Carrying Company	Lewellen.....	Blue Creek Canal.....	Supple. I. .	D-785	33	17	42	Garden.....	Jan.	30	1920	1575	
				Supple. I. .	D-795	33	17	42	Garden.....	Jan.	30	1920	1575	
				Supple. I. .	A-1154	33	17	42	Garden.....	Jan.	30	1920	1575	
Crescent Lake Reservoir	Lake Water Carrying Company	Lewellen.....	Graf Canal.....	Supple. I. .	D-788	19	16	42	Garden.....	Jan.	30	1920	1575	
				Supple. I. .	D-763R	19	16	42	Garden.....	Jan.	30	1920	1575	
				Supple. I. .	D-781R	19	16	42	Garden.....	Jan.	30	1920	1575	
Crescent Lake Reservoir	Lake Water Carrying Company	Lewellen.....	Hooper Canal.....	Supple. I. .	D-781	6	16	42	Garden.....	Jan.	30	1920	1575	
				Supple. I. .	D-788R	6	16	42	Garden.....	Jan.	30	1920	1575	
Crescent Lake Reservoir	Lake Water Carrying Company	Lewellen.....	Paisley Canal.....	Supple. I. .	D-800	28	17	42	Garden.....	Jan.	30	1920	1575	
				Supple. I. .	A-515	28	17	42	Garden.....	Jan.	30	1920	1575	
				Supple. I. .	A-1738	28	17	42	Garden.....	Jan.	30	1920	1575	
Crescent Lake Reservoir	Lake Water Carrying Company	Lewellen.....	Crescent Lake Canal...	Stor. Only.	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	

† Reservoir capacity alleged by applicant.

* Denotes application pending.

Supple. I. Denotes storage water in addition to direct flow.

Stor-only. Land does not have a direct flow appropriation.

"O.D." Denotes optional diversion.

Clear Creek in Keith County and Clear Creek in Polk County are separate streams.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Dry Creek.....	Gleason, Chas.....	Heartwell.....	Pump	Irrig.....	.87	31	8	13	Kearney....	Oct.	17	1946	3984
Dry Creek.....	Gleason, Chas.....	Heartwell.....	Pump	Irrig.....	.30	33	8	13	Kearney....	Nov.	5	1946	4003
Dry Creek.....	Eckloff, Herman.....	Minden.....	Pump	Irrig.....		13	7	15	Kearney....	July	19	1947	4085*
Dry Creek.....	Norberg, E.....	Funk.....	Pump	Irrig.....		28	7	17	Phelps.....	Sept.	8	1948	4338*
Dry Creek.....	Schrock, Sam T., Jr.....	Elm Creek....	Schrock Reservoir.....	Storage...		12	7	19	Phelps.....	Sept.	24	1948	4345*
Dugout Creek, Lower	Hecht, Tilford M.....	Broadwater...	Cooper Canal.....	Irrig.....	.86	4	19	48	Morrill....	Aug.	15	1892	872
Dugout Creek, Lower	Wagoner, Ralph L.....	Bridgeport...	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.....	Storage...	†3.35AF	4	19	48	Morrill....	July	11	1919	1547
Dugout Creek, Lower	Hecht, Tilford M.....	Broadwater...	Hagerty Canal.....	Irrig.....	.29	4	19	48	Morrill....	May	28	1948	4274
Elm Creek.....	Scott, Natonia.....	Elm Creek....	Pump	Irrig.....	1.14	29	9	18	Buffalo....	Jan.	28	1929	2066
Elm Creek.....	Nebraska Mid-State Reclamation Dist.	Grand Island.	Elm Creek Reservoir.....	Storage...		35	10	19	Dawson....	Sept.	3	1943	3641*
Elm Creek.....	Cadwallader, Chas. N.....	Lincoln.....	Pump No. 1.....	Irrig.....		3	8	18	Buffalo....	Aug.	7	1948	4321
Elm Creek.....	Cadwallader, Chas. N.....	Lincoln.....	Pump No. 3.....	Irrig.....		3	8	18	Buffalo....	Aug.	7	1948	4323
Elmore Reservoir.	Cook, John E.....	Scottsbluff...	Kilpatrick North and South Canals	Supple. I. Stor-Only..	D-567	6	24	51	Box Butte..	June	7	1911	1159
						6	24	51	Box Butte..	June	7	1911	1159
Fawcus Springs..	Oliver, John E.....	Bridgeport...	Oliver Canal.....	Irrig.....	2.71	24	20	52	Morrill....	Apr.	17	1933	2317
Gebauer Lake....	Gebauer and Davis.....	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	The McGinley Land and Cattle Company	Ogallala.....	Sand Creek Canal.....	Irrig.....	15.71	9	14	36	Keith.....	Jan.	3	1910	974
Greenwood Creek.	Keenan, Mary K.....	Dalton.....	Trinnier Canal.....	Irrig.....	6.29	28	18	50	Morrill.....	Apr.	6	1891	849
Greenwood Creek.	Keenan, Mary K.....	Dalton.....	Nelson Canal.....	Irrig.....	3.00	33	18	50	Morrill.....	Apr.	1	1892	845
Greenwood Creek.	Corman, Margery.....	Bridgeport.....	Capron Canal.....	Irrig.....	2.00	15	18	50	Morrill.....	Jan.	1	1893	890
Greenwood Creek.	Meglemre, C. E.....	Bridgeport.....	Meglemre Canal.....	Irrig.....	.57	3	18	50	Morrill.....	May	6	1896	294
Greenwood Creek.	Meglemre, C. E.....	Bridgeport.....	Meglemre Canal.....	Irrig.....	1.14	3	18	50	Morrill.....	Mar.	11	1907	853
Greenwood Creek.	Keenan, Mary K.....	Dalton.....	Trinnier Canal.....	Irrig.....	1.65	28	18	50	Morrill.....	Aug.	18	1919	1551
Ground Water....	Neil, Leo.....	Cozad.....	Neil Well.....	O. D.....	D-627	33	10	23	Dawson.....	Feb.	18	1938	P204*
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.....		24	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	Hall.....	June	4	1940	3174*
						17	12	10	Hall.....	June	4	1940	3174*
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	Hall.....	June	17	1940	3182*
Ground Water....	Cooke, Mrs. 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*

* Denotes application pending.

† Reservoir capacity alleged by applicant.

Supple. I. Denotes storage water in addition to direct flow. Stor-only. Land does not have a direct flow appropriation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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...	Peterson, Thorvald.....	Harrisburg...	Peterson Well.....	Irrig.....		31	19	56	Banner.....	Aug.	6	1940	3224*
Ground Water...	Miller, Howard A.....	North Platte..	Miller Well.....	Irrig.....		34	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 Well.....	Irrig.....		2	23	57	Scotts Bluff.	Sept.	18	1940	3269*
Ground Water...	Fouts, Frederick.....	Central City..	Fouts Well.....	Irrig.....		17	14	6	Merrick.....	Sept.	20	1940	3270*
Ground Water...	Carlson, Lillian D.....	Gothenburg..	Carlson Well.....	Irrig.....		18	12	24	Dawson.....	Oct.	7	1940	3283*
Ground Water...	Dubbs, Mrs. Lillie F.....	Shelton.....	Dubbs Well.....	Irrig.....		33	11	12	Hall.....	Oct.	15	1940	3296*
Ground Water...	Riddell, Dr. Ted E.....	Scottsbluff...	Riddell Well.....	Irrig.....		19	21	53	Scotts Bluff.	Oct.	18	1940	3299*
Ground Water...	Kamann, Wilhelmina.....	Morrill.....	Kamann Well.....	Irrig.....		1	23	57	Scotts Bluff.	Oct.	29	1940	3312*
Ground Water...	Fuerst, Otto.....	Scottsbluff...	Fuerst Well.....	Irrig.....		7	23	56	Scotts Bluff.	Oct.	31	1940	3317*
Ground Water...	Schutz, John W.....	St. Libory.....	Schutz Well.....	Irrig.....		14	13	8	Merrick.....	Nov.	5	1940	3325*
Ground Water...	Schutz, Henry.....	St. Libory.....	Schutz Well.....	Irrig.....		14	13	8	Merrick.....	Nov.	5	1940	3326*
Ground Water...	Wyatt, L. D.....	Harrisburg...	Wyatt Well.....	Irrig.....		35	19	56	Banner.....	Nov.	7	1940	3327*
Ground Water...	Robbins, G. H.....	Shelton.....	Robbins Well.....	Irrig.....		33	10	13	Buffalo.....	Dec.	6	1940	3342*
Ground Water...	Arbuckle, Roy.....	Kearney.....	Arbuckle Wells.....	Irrig.....		28	9	15	Buffalo.....	Dec.	12	1940	3352*
						21	9	15	Buffalo.....	Dec.	12	1940	3352*
						29	9	15	Buffalo.....	Dec.	12	1940	3352*
Ground Water...	Jeffries, Leota Arbuckle.	Kearney.....	Jeffries Wells.....	Irrig.....		21	9	15	Buffalo.....	Dec.	12	1940	3353*
Ground Water...	Heider, Bonnie C.....	North Platte..	Heider Well.....	Irrig.....		14	14	32	Lincoln.....	Dec.	14	1940	3354*
Ground Water...	Pieper, Harry A.....	Mitchell.....	Pieper Well.....	Irrig.....		11	22	56	Scotts Bluff.	Dec.	19	1940	3356*
Ground Water...	Heider, Bonnie C.....	North Platte..	Heider Well.....	Irrig.....		12	14	33	Lincoln.....	Dec.	23	1940	3359*
Ground Water...	Heider, Bonnie C.....	North Platte..	Heider Well.....	Irrig.....		12	14	33	Lincoln.....	Dec.	23	1940	3360*
Ground Water...	Shelby, A. M.....	Long Beach..	Shelby Well.....	Irrig.....		16	13	30	Lincoln.....	Jan.	18	1941	3371*
Ground Water...	Fleenor, Shelby E.....	Morrill.....	Travis Well.....	Irrig.....		17	23	57	Scotts Bluff.	Jan.	24	1941	3377*
Ground Water...	Johnson, E. H. & O. H.	Omaha.....	Johnson Well.....	Irrig.....		22	23	57	Scotts Bluff.	Jan.	28	1941	3379*
Ground Water...	Hobson, Paul.....	Morrill.....	Hobson Well.....	Irrig.....		21	24	57	Sioux.....	Feb.	5	1941	3383*
Ground Water...	Robbins, Gordon H.....	Shelton.....	Robbins Well.....	Irrig.....		15	9	13	Buffalo.....	Feb.	6	1941	3385*
Ground Water...	Kuskie, Bert C.....	Brule.....	Kuskie Well.....	Irrig.....		29	13	4	Keith.....	Feb.	10	1941	3386*

Ground Water...	Misek, A. A.	Brainard	Misek Well	Irrig.	36	13	8	Merrick	Feb.	11	1941	3388*
Ground Water...	Neil, Leo	Cozad	Neil Well	Irrig.	2	9	23	Dawson	Feb.	18	1941	3397*
Ground Water...	Janssen, Emil H.	Morrill	Janssen Well	Irrig.	26	24	57	Sioux	Mar.	1	1941	3406*
Ground Water...	Johnson, August B.	Morrill	Johnson Well	Irrig.	16	24	57	Sioux	Mar.	5	1941	3410*
Ground Water...	Whipple, Lydia E.	Mitchell	Whipple Well	Irrig.	9	22	56	Scotts Bluff	Mar.	31	1941	3421*
Ground Water...	Finke, Henry	Grand Island	Finke Well	Irrig.	34	9	19	Dawson	Apr.	21	1941	3431*
Ground Water...	Birdsall, Jas. L., et al.	Morrill	Plummer-Birdsall Well	Irrig.	1	23	57	Scotts Bluff	Apr.	29	1941	3435*
Ground Water...	Warner, L. H.	Harrisburg	Warner Well	Irrig.	3	19	57	Banner	June	5	1941	3448*
Ground Water...	The Prudential Ins. Co.	Omaha	Wilson-Prudential Well	Irrig.	9	9	19	Dawson	July	25	1941	3462*
Ground Water...	The Prudential Ins. Co.	Omaha	Radford-Prudential Wells	Irrig.	19	8	14	Kearney	July	25	1941	3463*
Ground Water...	The Prudential Ins. Co.	Omaha	Scott-Prudential Well	Irrig.	4	9	14	Buffalo	July	25	1941	3464*
Ground Water...	The Prudential Ins. Co.	Omaha	Mahr-Prudential Well	Irrig.	7	9	20	Dawson	July	25	1941	3465*
Ground Water...	The Prudential Ins. Co.	Omaha	Ralston-Prudential Well	Irrig.	4	11	25	Dawson	July	25	1941	3466*
Ground Water...	The Prudential Ins. Co.	Omaha	Schultze-Prudential Well	Irrig.	25	11	22	Dawson	July	25	1941	3467*
Ground Water...	The Prudential Ins. Co.	Omaha	Smith-Prudential Well	Irrig.	26	11	22	Dawson	July	25	1941	3471*
Ground Water...	Weldon, Ella M.	Oshkosh	Weldon Well	Irrig.	30	10	11	Hall	Sept.	5	1941	3493*
Ground Water...	Robbins, Harold R.	Shelton	Harold R. Robbins Well	Irrig.	25	10	13	Buffalo	Sept.	10	1941	3500*
Ground Water...	Robbins, Maude M.	Los Angeles	Harold R. Robbins Well	Irrig.	13	10	13	Buffalo	Sept.	10	1941	3501*
Ground Water...	Robbins, Maude M.	Los Angeles	Maude M. Robbins Well	Irrig.	27	10	13	Buffalo	Sept.	10	1941	3502*
Ground Water...	Garrison, George E.	Lexington	Garrison Well	Irrig.	35	10	21	Dawson	Sept.	29	1941	3512*
Ground Water...	Garrison, H. W. and Arthur H.	Lexington	Garrison Well	Irrig.	19	10	21	Dawson	Sept.	29	1941	3513*
Ground Water...	Robbins, Gordon H.	Shelton	Robbins Well	Irrig.	29	10	13	Buffalo	Oct.	7	1941	3515*
Ground Water...	Stauffer, F. F.	Gering	Stauffer Well	Irrig.	20	19	55	Banner	Feb.	13	1942	3551*
Ground Water...	Van Wey, Glen	Gothenberg	Van Wey Well	Irrig.	11	12	25	Dawson	June	11	1942	3576*
Ground Water...	Good, Mrs. O. M.	Lincoln	Good Well	Irrig.	5	10	11	Hall	June	29	1942	3579*
Ground Water...	Robbins, G. H.	Shelton	Robbins Well	Irrig.	33	10	13	Buffalo	Mar.	3	1944	3693*
Ground Water...	Nielsen, E. M.	Columbus	Nielsen Well	Irrig.	1	16	1	Polk	May	12	1944	3727*
Ground Water...	Fouts, F.	Central City	Fouts Well No. 2	Irrig.	20	14	6	Merrick	Oct.	5	1944	3773*
Ground Water...	Fouts, F.	Central City	Fouts Well No. 3	Irrig.	17	14	6	Merrick	Oct.	5	1944	3774*
Ground Water...	Clough, Charles E. and Estes, Elsie	Minatare	Clough Well	Irrig.	30	25	47	Box Butte	Nov.	7	1944	3782*
Ground Water...	Otto, Harvey E. and Son.	Phillips	Otto Well	Irrig.	11	10	8	Hamilton	Dec.	12	1944	3787*

* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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...	Rugger, C. Roy.....	Scottsbluff...	Rugger Well.....	Irrig.....	A-3493	10	13	7	Merrick....	Mar.	5	1945	3811*
Ground Water...	Nielson, Mrs. Mary A...	Big Springs...	Nielson Well.....	Irrig.....		31	13	41	Deuel.....	Mar.	21	1945	3815*
Ground Water...	Stuart, Wilfred V.....	Lexington....	Stuart Well.....	Irrig.....		3	9	21	Dawson....	June	5	1945	3837*
Ground Water...	Spencer, N. B.....	Morrill.....	Spencer Well.....	Irrig.....		36	24	57	Sioux.....	Apr.	8	1946	3890*
Ground Water...	Robbins, Gordon H.....	Shelton.....	Robbins Wells.....	Irrig.....		15	9	13	Buffalo....	Apr.	29	1946	3897*
						33	10	13	Buffalo....	Apr.	29	1946	3897*
Ground Water...	Vieregg, Eva B.....	Grand Island.	Vieregg Well.....	Irrig.....		4	10	11	Hall.....	May	7	1946	3901*
Ground Water...	Vieregg, Eva B.....	Grand Island.	Vieregg Well.....	Irrig.....		34	10	12	Hall.....	May	7	1946	3902*
Ground Water...	Vieregg, Eva B.....	Grand Island.	Vieregg Well.....	Irrig.....		34	10	12	Hall.....	May	7	1946	3903*
Ground Water...	Weldon, Ella M., Est.	Lincoln.....	Weldon Well No. 2.	Supple. I.		30	10	11	Hall.....	June	10	1946	3914*
Ground Water...	Spencer, George S.....	Gibbon.....	Spencer Well No. 1.	Irrig.....		9	9	14	Buffalo....	July	11	1946	3924*
Ground Water...	Spencer, George S.....	Gibbon.....	Spencer Well No. 2.	Irrig.....		18	9	13	Buffalo....	July	11	1946	3925*
Ground Water...	Swanson, August.....	Kearney.....	Swanson Wells.....	Irrig.....		32	9	15	Buffalo....	July	27	1946	3932*
Ground Water...	Swanson, August.....	Kearney.....	Swanson Wells.....	Irrig.....		9	9	14	Buffalo....	July	27	1946	3933*
Ground Water...	Lucas, Chas.....	Los Angeles.	Lucas Well.....	Irrig.....		22	10	13	Buffalo....	Oct.	7	1946	3975*
Ground Water...	Lucas, Chas.....	Los Angeles.	Lucas Well.....	Irrig.....		29	10	13	Buffalo....	Oct.	7	1946	3976*
Ground Water...	Donovan, John H.....	Alliance.....	Donovan Well.....	Irrig.....		17	26	50	Box Butte..	Nov.	25	1946	4009*
Ground Water...	Robbins, Adrienne I.....	Shelton.....	Robbins Well.....	Irrig.....		33	12	9	Hall.....	Sept.	11	1947	4110*
Ground Water...	Brigham, Ray E.....	Shelby.....	Brigham Wells.....	Irrig.....		34	16	1	Polk.....	Sept.	12	1947	4112*
						36	16	1	Polk.....	Sept.	12	1947	4112*
Ground Water...	Hullett and Sorensen...	Cairo.....	Hullett & Sorensen Wells	Irrig.....	30	12	11	Hall.....	Oct.	16	1947	4128*	
Ground Water...	Hullett and Sorensen...	Cairo.....	Hullett & Sorensen Well.	Irrig.....	31	12	11	Hall.....	Oct.	16	1947	4129*	
Ground Water...	Neuswanger, George.....	Alliance.....	Neuswanger Well No. 1.	Irrig.....	22	25	48	Box Butte..	Nov.	18	1947	4147*	
Ground Water...	Neuswanger, George.....	Alliance.....	Neuswanger Well No. 2.	Irrig.....	21	25	48	Box Butte..	Nov.	18	1947	4148*	
Ground Water...	Glatfelter, Nancy.....	Central City..	Glatfelter Well.....	Irrig.....	16	14	6	Merrick....	Dec.	18	1947	4157*	
					22	14	6	Merrick....	Dec.	18	1947	4157*	
Ground Water...	McInay, Archie.....	Central City..	McInay Wells.....	Irrig.....	5	13	6	Merrick....	Dec.	18	1947	4158*	
					7	13	6	Merrick....	Dec.	18	1947	4158*	

BUREAU OF IRRIGATION

Ground Water...	Reed, Irwin.....	Chapman.....	Reed Wells.....	Irrig.....	4 12	8 Merrick....	Dec.	19 1947	4160*
Ground Water...	Stander, Earl.....	Chapman.....	Stander Wells.....	Irrig.....	17 12	7 Merrick....	Jan.	8 1948	4169*
					18 12	7 Merrick....	Jan.	8 1948	4169*
Ground Water...	Glantz, Leonard.....	Central City..	Glantz Well.....	Irrig.....	5 13	6 Merrick....	Jan.	8 1948	4170*
Ground Water...	Peterson, Carl.....	Central City..	Peterson Wells.....	Irrig.....	19 15	4 Merrick....	Jan.	9 1948	4172*
Ground Water...	Nash, Frank R.....	Central City..	Nash Wells.....	Irrig.....	29 15	6 Merrick....	Jan.	9 1948	4173*
					32 15	6 Merrick....	Jan.	9 1948	4173*
Ground Water...	Stander, Ralph.....	Archer.....	Stander Well.....	Irrig.....	21 14	7 Merrick....	Jan.	9 1948	4174*
Ground Water...	Stander, Herbert.....	Archer.....	Stander Well.....	Irrig.....	26 14	7 Merrick....	Jan.	9 1948	4175*
Ground Water...	Stander, Howard.....	Archer.....	Stander Well.....	Irrig.....	23 14	7 Merrick....	Jan.	9 1948	4176*
					28 14	7 Merrick....	Jan.	9 1948	4176*
Ground Water...	Bove, Max.....	Chapman.....	Bove Well.....	Irrig.....	19 12	7 Merrick....	Jan.	10 1948	4177*
Ground Water...	Post Bros.....	Stratton.....	Post Bros. Wells.....	Irrig.....	3 13	7 Merrick....	Jan.	10 1948	4178*
					10 13	7 Merrick....	Jan.	10 1948	4178*
Ground Water...	Olson, M. E.....	Grand Island..	Olson Well.....	Irrig.....	4 13	7 Merrick....	Jan.	12 1948	4180*
Ground Water...	Markworth, Henry.....	Chapman.....	Markworth Wells.....	Irrig.....	2 12	8 Merrick....	Jan.	13 1948	4181*
					30 13	7 Merrick....	Jan.	13 1948	4181*
Ground Water...	Justice, Joe A.....	Central City..	Justice Well.....	Irrig.....	7 13	7 Merrick....	Jan.	15 1948	4182*
Ground Water...	Nitzel, Lloyd I.....	Archer.....	Nitzel Well.....	Irrig.....	3 14	7 Merrick....	Jan.	16 1948	4183*
Ground Water...	Lamb, E. P.....	Clarks.....	Lamb Wells.....	Irrig.....	13 14	5 Merrick....	Jan.	16 1948	4184*
Ground Water...	Nicholas, Orville J.....	Palmer.....	Nicholas Well.....	Irrig.....	17 14	8 Merrick....	Jan.	28 1948	4192*
Ground Water...	Tracy, F. H.....	Chapman.....	Tracy Wells.....	Irrig.....	32 13	8 Merrick....	Jan.	31 1948	4194*
					33 13	8 Merrick....	Jan.	31 1948	4194*
Ground Water...	Zamzow, Louis.....	Archer.....	Zamzow Wells.....	Irrig.....	36 14	8 Merrick....	Jan.	31 1948	4195*
Ground Water...	Zamzow, Otto.....	Archer.....	Zamzow Wells.....	Irrig.....	30 14	7 Merrick....	Jan.	31 1948	4196*
Ground Water...	Luebbe, Lawrence C.....	Archer.....	Luebbe Well.....	Irrig.....	30 14	7 Merrick....	Feb.	2 1948	4198*
Ground Water...	Peterson, P. R.....	Lexington.....	Peterson Well.....	Irrig.....	24 9 21	Dawson.....	Feb.	16 1948	4209*
Ground Water...	Wegner, Albert A.....	Archer.....	Wegner Well.....	Irrig.....	20 14	7 Merrick....	Mar.	5 1948	4229*
Ground Water...	Rinder, Virginia H.....	Grand Island..	Rinder Well.....	Irrig.....	8 11 26	Lincoln.....	Mar.	27 1948	4235*
Ground Water...	Riddie, Blanche W.....	Oshkosh.....	Riddie Well.....	Irrig.....	30 10 11	Hall.....	Mar.	30 1948	4238*
Ground Water...	Post Bros.....	Stratton.....	Post Bros. Well.....	Irrig.....	10 13	7 Hitchcock..	Apr.	20 1948	4248*
Ground Water...	Prochaska, Wm., Sr.....	Palmer.....	Prochaska Wells.....	Irrig.....	12 14	9 Howard.....	May	17 1948	4267*
					7 14	8 Merrick....	May	17 1948	4267*

* Denotes application pending.
 Supple. I. Denotes storage water in addition to direct flow.

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

Source	Appropriator or Operator	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....	Carlson, Warren.....	Loomis.....	Carlson Well.....	Irrig.....		34	8	19	Phelps.....	June	8	1948	4282*
Ground Water....	Rosenstrater, John.....	Lincoln.....	Rosenstrater Wells.....	Irrig.....		2	13	7	Merrick.....	June	19	1948	4293*
Ground Water....	Calvert, John H.....	Pierce.....	Calvert Well.....	Irrig.....		17	8	20	Phelps.....	July	12	1948	4305*
Ground Water....	Carter, James W.....	Maxwell.....	Carter Well.....	Irrig.....		26	13	29	Lincoln.....	Aug.	5	1948	4319*
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 Canal.....	Irrig.....	3.71	33	23	58	Scotts Bluff	Feb.	21	1910	983
Horse Creek....	Mihan, John, Estate.....	Lyman.....	State Line Canal.....	Irrig.....	2.00	33	23	58	Scotts Bluff	Apr.	21	1910	994
Horse Creek....	Casteel and Jackson.....	Henry.....	State Line 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.	19	1911	1126
Horse Creek....	Great Western Sugar Company	Scottsbluff...	Lyman Factory.....	Mfg.....	15.00	34	23	58	Scotts Bluff	June	16	1926	1819
Hoth Draw.....	Great Western Sugar Company	Scottsbluff..	Bayard Factory.....	Mfg.....	15.00	34	21	52	Morrill.....	Oct.	4	1920	1593
Huffman Lake...	Crabill, Ed E., et al....	Melbeta.....	Huffman Canal.....	Irrig.....	1.60	26	21	54	Scotts Bluff	Mar.	19	1909	937
Huntington Spr...	Card, Fred Mrs.....	Lyman.....	Card Canal.....	Irrig.....	1.43	9	20	58	Scotts Bluff	Dec.	23	1904	778
Jacobson Reservoir	Jacobson, Carl A.....	Riverdale.....	Pump.....	Supple. I. Stor-only..	A-1038	31	10	16	Buffalo.....	Feb.	3	1920	3870
						31	10	16	Buffalo.....	Feb.	3	1920	3870
Kingsley Reservoir (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings.....	Tri-County Canal.....	Supple. P.	500,000 AF	8	13	29	Lincoln....	July	28	1941	3475
					A-2354	8	13	29	Lincoln....	July	28	1941	3475
					A-3474	8	13	29	Lincoln....	July	28	1941	3475
Kingsley Reservoir (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings.....	Tri-County Canal.....	Supple. I. Stor-only..	A-2355	8	13	29	Lincoln....	July	28	1941	3476
					A-2355	8	13	29	Lincoln....	July	28	1941	3476

Kingsley Reservoir (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings.....	Tri-County Canal.....	Stor-only..		8 13 29	Lincoln.....	July	28 1941	3620
Kingsley Reservoir (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings.....	Tri-County Supply Canal.	Stor-only..		8 13 29	Lincoln.....	July	28 1941	3823
Kingsley Reservoir (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings.....	Tri-County Supply Canal.	Supple. P..	A-2354	8 13 29	Lincoln.....	July	28 1941	3948*
Kingsley Reservoir (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings.....	Tri-County Supply Canal.	Supple. I..	A-2355 et al	8 13 29	Lincoln.....	July	28 1941	3960*
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
Kopf Reservoir...	Kopf, Walter.....	Lexington...	Pump.....	Supple. I..	A-1799	21 12 22	Dawson....	Dec.	23 1930	2181
				Stor-only..		21 12 22	Dawson....	Dec.	23 1930	2181
Lawrence Fork...	Randall, Wm. H.....	Bridgeport...	Laing Canal.....	Irrig.....		.50 28 18 52	Morrill....	Dec.	31 1886	825
Lawrence Fork...	Gilman and Crigler....	Redington...	Redington Canal.....	Irrig.....		.57 36 19 52	Morrill....	Oct.	9 1889	820
Lawrence Fork...	Lindberg, Fred R., Est.	Bridgeport...	Crigler Canal.....	Irrig.....		.57 1 18 52	Morrill....	Sept.	11 1891	861
Lawrence Fork...	Nelson, Robert P.....	Bridgeport...	Spring Branch Canal...	Irrig.....		1.00 11 18 52	Morrill....	Oct.	23 1891	862
Lawrence Fork...	Nelson, Robert P.....	Bridgeport...	Spring Branch Canal...	Irrig.....		.50 11 18 52	Morrill....	May	1 1893	893
Lawrence Fork...	Lindberg, Fred R., Est.	Bridgeport...	Crigler Canal.....	Irrig.....		1.43 1 18 52	Morrill....	Nov.	25 1898	486
Lawrence Fork...	Varah, James R.....	Bridgeport...	Niehus Canal.....	Irrig.....		.86 11 18 52	Morrill....	Mar.	23 1900	550
Lawrence Fork...	Niehus and Nelson.....	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

* Denotes application pending.

Supple. I. Denotes storage water in addition to direct flow.

Stor-only. Land does not have a direct flow appropriation.

Supple. P. Storage water in addition to direct flow.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Lawrence Fork...	Niehus and Nelson.....	Bridgeport....	Crigler (Hopeful a) Canal	Irrig.....	.44	1	18	52	Morrill....	Apr.	19	1930		2135
Lawrence Fork...	Niehus-Nelson, et al....	Bridgeport....	Hopeful (b) Canal.....	Irrig.....	.99	1	18	52	Morrill....	Apr.	19	1930		2135
Lawrence Fork...	Nelson, Robert P.....	Bridgeport....	Spring Branch Canal....	Irrig.....	.58	11	18	52	Morrill....	Sept.	30	1935		2560
Lonegan Creek...	Soehl, Herman H.....	Lemoine.....	Soehl Canal.....	Irrig.....	2.00	17	15	39	Keith.....	May	10	1889	697a	
Lonegan Creek...	Jacobs, Lee, Estate.....	Lemoine.....	Lonegan Canal.....	Irrig.....	9.15	17	15	39	Keith.....	May	25	1889	699	
Lonegan Creek...	Soehl, Herman H.....	Lemoine.....	Soehl Canal.....	Irrig.....	.86	17	15	39	Keith.....	Apr.	27	1893	697b	
Lonegan Creek...	Stansbery, Elvina.....	Lemoine.....	Haney Canal.....	Irrig.....	1.14	17	15	39	Keith.....	July	1	1893	719	
Lost Creek.....	Campbell, Wm. N.....	Oshkosh.....	Pump	Irrig.....	1.69	11	17	44	Garden.....	Dec.	23	1929		2118
Mathews Creek...	Mathews, Benj. G., Est.	Keystone....	Mathews Canal.....	Irrig.....	1.14	28	15	37	Keith.....	Apr.	1	1895	750	
McDowell Drain Ditch	McDowell, F. C.....	Gothenburg...	Pump	Irrig.....	.55	7	10	21	Dawson....	Dec.	29	1944		3790
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	Morrill....	Oct.	19	1936		2646
Mud Creek (See Buffalo Cr.)	Ulrich, Marie A.....	Elm Creek...	Pump	Irrig.....	4.20	1	8	19	Dawson....	Feb.	4	1929		2068
Nealy Springs...	Covington, Paul H.....	Morrill.....	Covington Pipe Line....	Irrig.....	.06	11	23	58	Scotts Bluff.	Mar.	27	1933		2311
Nealy Springs...	Prettyman, Z. C.....	Henry.....	Nealy Canal.....	Irrig.....	.38	11	23	58	Scotts Bluff.	Aug.	3	1934		2454
North Platte R...	Platte Valley Irrig. Dist.	Hershey.....	North Platte Canal.....	Irrig.....	300.00	13	14	34	Lincoln....	May	31	1884	635	
(Lincoln County Drain Dist. 1, Ditch 2)	Reimers, Oscar.....	Grand Island.	Pump	O. D.....	D-635	30	14	31	Lincoln....	May	31	1884		2459

(Lincoln County Drain Dist. 1, Ditch 1)	Frame, Rolland.....	Hershey.....	Pump.....	O. D.....	D-635	21	14	32	Lincoln.....	May	31	1884	2694
North Platte R...	Farmers Irrig. Dist....	Scottsbluff....	Tri-State Canal.....	Irrig.....	863.79	3	23	58	Scotts Bluff.	Sept.	16	1887	918
North Platte R...	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.....	O. D.....	D-918	18	22	53	Scotts Bluff.	Sept.	16	1887	P189*
(Dry Spotted Tail Creek)	Hrasky, Frank and Warner, Violet A.	Mitchell.....	Roberts Canal.....	O. D.....	D-918	16	23	56	Scotts Bluff.	Sept.	16	1887	1241
(Dry Spotted Tail Feeder)	Farmers Irrig. Dist....	Scottsbluff....	Tri-State Canal.....	O. D.....	D-918	4	23	56	Scotts Bluff.	Sept.	16	1887	P188*
(Dry Spotted Tail Creek)	Morris, C. E.....	Mitchell.....	Keljum Canal.....	O. D.....	D-918	16	23	56	Scotts Bluff.	Sept.	16	1887	P195
(Farmers Canal Seep)	Warner, Frank.....	Morrill.....	Warner Canal.....	O. D.....	D-918	12	23	57	Scotts Bluff.	Sept.	16	1887	1769
(Hoth Draw)...	O'Holloren, Jas.....	Bayard.....	O'Holloren Canal.....	O. D.....	D-918	28	21	52	Morrill....	Sept.	16	1887	1473
(Sheep Creek)...	Sheep Creek Lateral Co.	Morrill.....	Sheep Creek Lateral....	O. D.....	D-918	8	23	57	Scotts Bluff.	Sept.	16	1887	1176
(Sheep Creek)...	Sheep Creek Lateral Co.	Morrill.....	Sheep Creek Lateral....	O. D.....	D-918	8	23	57	Scotts Bluff.	Sept.	16	1887	1398
(Sheep Creek)...	Farmers Irrig. Dist....	Scottsbluff....	Tri-State Canal.....	O. D.....	D-918	8	23	57	Scotts Bluff.	Sept.	16	1887	P191*
(Tub Springs Feeder)	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*
North Platte R...	Minatare Mutual Canal and Irrig. Company	Minatare.....	Minatare Canal.....	Irrig.....	249.43	32	22	54	Scotts Bluff.	Jan.	14	1888	919
(Minatare Drain)	Redding, Louise.....	Minatare.....	Minatare Drain Lateral.	O. D.....	D-919	3	21	53	Scotts Bluff.	Jan.	14	1888	P245
(Minatare Drain)	Redding, Louise.....	Minatare.....	Minatare Drain Lateral.	O. D.....	D-919	3	21	53	Scotts Bluff.	Jan.	14	1888	P265
(Taylor Drain)...	Libsack, George.....	Minatare.....	Oberlies Canal.....	O. D.....	D-919	3	21	53	Scotts Bluff.	Jan.	14	1888	2502
North Platte R...	Winters Creek Canal Company	Scottsbluff....	Winters Creek Canal....	Irrig.....	124.29	17	22	55	Scotts Bluff.	Oct.	18	1888	952

"O.D." Denotes optional diversion.

"R" Denotes relocation.

* Denotes petition pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
(Winters Creek)..	Winters Creek Canal Company	Scottsbluff...	Winters Creek Canal....	O. D.....	D-952	19	22	54	Scotts Bluff.	Oct.	18	1888	1446
North Platte R...	Enterprise Irrig. Dist...	Scottsbluff...	Enterprise Canal.....	Irrig.....	138.68	27	33	57	Scotts Bluff.	Mar.	28	1889	920
(Akers or Nelson Draw)	Enterprise Irrig. Dist...	Scottsbluff...	Nelson Draw Canal....	O. D.....	D-920	13	23	57	Scotts Bluff.	Mar.	28	1889	1290
(Dry Spotted Tail Creek)	Enterprise Irrig. Dist...	Scottsbluff...	Dry Spotted Tail Creek Lateral	O. D.....	D-920	20	23	56	Scotts Bluff.	Mar.	28	1889	P236
(Toohey Drain)..	Fanning, Leo T.....	Mitchell.....	Pump.....	O. D.....	D-920	20	23	56	Scotts Bluff.	Mar.	28	1889	2413
(Tub Springs)...	Enterprise Irrig. Dist...	Scottsbluff...	Tub Springs Lateral....	O. D.....	D-920	33	23	55	Scotts Bluff.	Mar.	28	1889	P234
(Wet Spotted Tail Creek)	Enterprise Irrig. Dist...	Scottsbluff...	Wet Spotted Tail Lateral	O. D.....	D-920	22	23	56	Scotts Bluff.	Mar.	28	1889	P235
(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. Dist.	McGrew.....	Castle Rock Canal.....	Irrig.....	82.57	3	21	54	Scotts Bluff.	Apr.	18	1889	921
North Platte R...	Logan Irrigation Co....	Bridgeport...	Logan Canal.....	Irrig.....	5.71	24	20	51	Morrill....	Oct.	17	1889	821
North Platte R...	Bridgeport Irrig. Dist...	Bridgeport...	Belmont Canal.....	Irrig.....	270.00	18	20	51	Morrill....	Dec.	19	1889	828
(Atkins Drain)..	Story, J. M.....	Broadwater...	Atkins Canal.....	O. D.....	D-828	15	19	49	Morrill....	Dec.	19	1889	1450
(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...	Central Irrig. Dist.....	Gering.....	Central Canal.....	Irrig.....	36.00	27	22	55	Scotts Bluff.	June	23	1890	926
North Platte R...	Sheridan, J. Wake, Est.	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 1031
North Platte R...	Empire Canal Company.	Bridgeport...	Empire Canal.....	Irrig.....	28.57	18	20	51	Morrill....	June	25	1891	858
(Anderson Seep)	Clarke, M. G.....	Okmulgee...	Gordon Canal.....	O. D.....	D-858	26	20	51	Morrill....	June	25	1891	2248
North Platte R...	Kah, D., Estate.....	Minatare...	Kah Canal.....	Irrig.....	4.57	11	21	54	Scotts Bluff.	Nov.	1	1891	944
North Platte R...	Browns Creek Irrigation District	Bridgeport...	Browns Creek Canal....	Irrig.....	188.71	29	20	50	Morrill....	Jan.	20	1892	857 1033

North Platte R...	Alliance Irrig. District..	Bridgeport....	Alliance Canal.....	Irrig.....	100.00	5	20	52	Morrill.....	Dec.	26	1892	874	1776
(Bayard Sugar Factory Drain)	Alliance Irrig. District..	Bridgeport....	Alliance Canal.....	O. D.....	D-874	5	20	52	Morrill.....	Dec.	26	1892	1035	
(Red Willow Cr.)	Alliance Irrig. District..	Bridgeport....	Alliance Canal.....	O. D.....	D-874	6	20	51	Morrill.....	Dec.	26	1892		1429
North Platte R...	Ramshorn Irrig. District.	Morrill.....	Ramshorn Canal.....	Irrig.....	45.71	13	23	58	Scotts Bluff.	Mar.	20	1893	945	
North Platte R...	Short Line Irrig. Dist..	Bayard.....	Short Line Canal.....	Irrig.....	65.57	25	21	53	Scotts Bluff.	May	1	1893	946	
North Platte R...	Lisco Irrig. District.....	Lisco.....	Lisco Canal.....	Irrig.....	19.85	14	18	47	Morrill.....	July	1	1893	856	
North Platte R...	Nine Mile Irrig. District	Bayard.....	Nine Mile Canal.....	Irrig.....	200.00	18	21	53	Scotts Bluff.	Dec.	6	1893	925	
(Nine Mile Dr.)	Nine Mile Irrig. District	Bayard.....	Nine Mile Canal.....	O. D.....	D-925	10	21	53	Scotts Bluff.	Dec.	6	1893		1431
(Red Willow Cr.)	Belden, Robert O.....	Bayard.....	Pump	O. D.....	D-925	32	21	51	Morrill.....	Dec.	6	1893	P262	
North Platte R...	Cody L. and C. Co.....	North Platte..	Cody-Dillon Canal.....	Irrig.....	125.81	9	14	31	Lincoln.....	Dec.	29	1893	649	
North Platte R...	Scott, B. E.....	North Platte..	Pump	Irrig.....	1.19	29	14	30	Lincoln.....	Dec.	29	1893	649R	
North Platte R...	Keith-Lincoln Company 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. District.....	Lisco.....	Lisco Canal.....	Irrig.....	5.37	14	18	47	Morrill.....	Mar.	27	1894	787R	
North Platte R...	No. River Irrig. District.	Oshkosh.....	Lisco Canal.....	Irrig.....	12.49	14	18	47	Morrill.....	Mar.	27	1894	787R	
North Platte R...	Suburban Irrig. District.	North Platte..	Suburban Canal.....	Irrig.....	183.00	12	14	33	Lincoln.....	May	22	1894	662	
(Lincoln Co. Drain. Dist. 1, Ditch 1)	Evans, R. V.....	Wallace.....	Pump	O. D.....	D-662	26	14	31	Lincoln.....	May	22	1894		2638
(Lincoln County Drain. Dist. 1, Ditch 2)	Suburban Irrig. District.	North Platte..	Suburban Canal.....	O. D.....	D-662	29	14	31	Lincoln.....	May	22	1894		2648
(Lincoln County Drain. Dist. 1, Ditch 2)	Evans, R. V.....	Wallace.....	Pump	O. D.....	D-662	26	14	31	Lincoln.....	May	22	1894	P198	
(Lincoln County Drain. Dist. 1, Ditch 1)	Suburban Irrig. District.	North Platte..	Suburban Canal.....	O. D.....	D-662	25	14	32	Lincoln.....	May	22	1894	P213	

BUREAU OF IRRIGATION

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

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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...	Roberts, C. F.....	Lewellen.....	Midland-Overland Canal.	Irrig.....	12.00	4	16	44	Garden.....	June	9	1894	789	
North Platte R...	Countryman, 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. District..	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	
North Platte R...	Reece, Carrol H., et al.	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...	Reece, Carrol H., et al.	Oshkosh.....	Spohn Canal.....	Irrig.....	2.40	13	17	45	Garden.....	Dec.	22	1894	803R	
North Platte R...	Western L. and C. Co...	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.....	13.40	4	21	54	Scotts Bluff.	Oct.	22	1895		186
North Platte R...	Steamboat Irrig. Dist...	Melbeta.....	Castle Rock Canal.....	Irrig.....	1.60	3	21	54	Scotts Bluff.	Oct.	22	1895		186R
North Platte R...	No. River Irrig. Canal and W. P. Co.	Oshkosh.....	North River Canal.....	Irrig.....	81.00	14	18	47	Morrill.....	Feb.	24	1896		243
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. District...	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.....	.71	4	21	54	Scotts Bluff.	July	22	1896		350
North Platte R...	Steamboat Irrig. Dist...	Melbeta.....	Castle Rock Canal.....	Irrig.....	.15	3	21	54	Scotts Bluff.	July	22	1896		350R
North Platte R...	Gering Irrig. District...	Gering.....	Gering Canal.....	Irrig.....	15.87	4	23	58	Scotts Bluff.	Mar.	15	1897		365
North Platte R...	Gering Irrig. District...	Gering.....	Mitchell Canal.....	Irrig.....	193.00	10	23	60	Wyoming...	Mar.	15	1897		365R
North Platte R...	Schermerhorn Irrig. Co.	Bridgeport...	Schermerhorn Canal.....	Irrig.....	29.71	16	20	51	Morrill.....	Oct.	25	1897		418
(Camp Clark Seep and Red Willow Creek)	Schermerhorn Irrig. Co.	Bridgeport...	Alliance Canal.....	O. D.....	A-418	9	20	51	Morrill.....	Oct.	25	1897		2088

BUREAU OF IRRIGATION

(Degraw Drain)	Mitchell, Bertha N.....	Scottsbluff...	Schermerhorn Canal.....	O. D.....	A-418	14	20	51	Morrill.....	Oct.	25	1897	P226
North Platte R...	Farmers Irrig. District..	Scottsbluff...	Tri-State Canal.....	Irrig.....	591.05	3	23	58	Scotts Bluff	Apr.	14	1902	660
North Platte R...	Dept. of the Interior U. S. B. R.	Denver, Colo.	Pathfinder Reservoir....	Stor. and Irrig.	†1,070,000	34	29	84	Wyoming...	Sept.	19	1904	768
North Platte R...	Pathfinder Irrig. Dist...	Mitchell.....	Interstate Canal.....	Irrig.....	1572.00	10	26	65	Wyoming...	Sept.	19	1904	768
North Platte R...	Northport Irrig. Dist...	Bridgeport...	Interstate-Tri-State Canal	Irrig.....	230.00	10	26	65	Wyoming...	Sept.	19	1904	768
North Platte R...	Gering & Fort Laramie Irrigation District	Gering.....	Fort Laramie Canal.....	Irrig.....	784.00	10	26	65	Wyoming...	Sept.	19	1904	768
North Platte R...	Empire Canal Company..	Bridgeport...	Empire Canal.....	Irrig.....	1.00	18	20	51	Morrill.....	July	20	1907	866
North Platte R...	Lisco Irrig. District....	Lisco.....	Lisco Canal.....	Irrig.....	3.00	14	18	47	Garden.....	Apr.	6	1910	991
North Platte R...	French Ditch Company..	Lyman.....	French Canal.....	Irrig.....	11.00	9	23	60	Wyoming...	Dec.	21	1911	1149
North Platte R...	Dobson, Mary E.....	Monrovia, Calif.	Dobson Canal.....	Irrig.....	3.14	5	20	52	Morrill.....	Feb.	28	1912	1181
(Red Willow Creek)	Dobson, Mary E.....	Monrovia, Calif.	Dobson Canal.....	O. D.....	A-1181	12	20	51	Morrill.....	Feb.	28	1912	1432
North Platte R...	Stone, Myron H.....	San Diego....	Stone Canal.....	Irrig.....	1.00	28	18	46	Morrill.....	Jan.	19	1915	1401
North Platte R...	French Ditch Company..	Lyman.....	French Canal.....	Irrig.....	3.00	9	23	60	Wyoming...	Sept.	11	1915	1433
North Platte R...	Liebhardt, Harry G.....	Denver, Colo.	Liebhardt Lateral.....	Irrig.....	2.92	6	20	52	Morrill.....	Mar.	1	1916	1448
North Platte R...	Intermountain Railway Light and Power Co.	Colo. Springs, Colo.	Gering Hydroelectric Plant	Power.....	250.00	10	23	60	Wyoming...	Apr.	15	1916	1452
North Platte R...	U. P. Railroad Co.....	Omaha.....	Locomotive Supply.....	Dom.....	1.00	29	14	30	Lincoln.....	Jan.	19	1917	1472
North Platte R...	French Ditch Company..	Lyman.....	French Canal.....	Irrig.....	.60	9	23	60	Wyoming...	Mar.	20	1920	1581
North Platte R...	No. Platte Water Dept..	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	P216
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...	Chimney Rk. Irrig. Dist..	Bayard.....	Chimney Rock Canal....	Irrig.....	.67	1	20	53	Scotts Bluff	Feb.	2	1931	2190
North Platte R...	Glasgow, Anna.....	Gering.....	Fort Laramie Canal....	Irrig.....	2.11	11	26	65	Wyoming...	July	19	1933	2336

† Reservoir capacity alleged by applicant.

"R" Denotes relocation.

"O.D." Denotes optional diversion.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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. Dist.	North Platte.	Sutherland Reservoir...	Storage...	†140,000 AF	2	14	38	Keith.....	Jan.	13	1934		2350
North Platte R...	Platte Valley Public Power and Irrig. Dist.	North Platte.	Sutherland Regulator Reservoir	Storage...	†6000AF	2	14	38	Keith.....	Jan.	13	1934		2352
North Platte R...	Platte Valley Public Power and Irrig. Dist.	North Platte.	Sutherland Canal.....	Power....	975.00	2	14	38	Keith.....	Jan.	13	1934		2353
North Platte R...	Platte Valley Public Power and Irrig. Dist.	North Platte.	Sutherland Canal.....	Power Incr. Hd.	A-2353	2	14	38	Keith.....	Sept.	19	1936		2640
North Platte R...	Platte Valley Public Power and Irrig. Dist.	North Platte.	Sutherland Reservoir...	Storage...	†150,000 AF	2	14	38	Keith.....	Feb.	8	1934		2361
North Platte R...	The Central Nebraska Public P. and I. Dist.	Hastings.....	Kingsley Reservoir.....	Storage...	†2,000,000 AF		15	38	Keith.....	Apr.	27	1934		2374
North Platte R...	Cooper, Wm. Miller.....	Gering.....	Fort Laramie Canal.....	Irrig.....	1.46	11	26	65	Wyoming...	May	5	1934		2378
North Platte R...	Butler, J. A.....	Gering.....	Fort Laramie Canal.....	Irrig.....	.99	11	26	65	Wyoming...	Mar.	23	1940		3123
North Platte R...	Platte Valley Public Power and Irrig. Dist.	North Platte.	Keystone Reservoir.....	Storage...	†1300AF	2	14	38	Keith.....	Sept.	12	1940		3263
North Platte R...	Gering & Fort Laramie Irrigation Dist.	Gering.....	Fort Laramie Canal.....	Irrig.....		11	26	65	Wyoming...	June	16	1944		3734*
North Platte R. Springs, Trib to	Gatch, Neil M.....	Meibeta.....	Gatch Canal.....	Irrig.....	.93	25	21	54	Scotts Bluff	Aug.	21	1912		1220
Otter Creek.....	Felt, Elmer G., et al...	Lemoyne.....	Otter Creek Canal.....	Irrig.....	3.30	5	15	40	Keith.....	Apr.	1	1891	1032	
Otter Creek.....	Otter Creek Mutual Irrigation Company	Lemoyne.....	Otter Creek Canal.....	Irrig.....	10.71	5	15	40	Keith.....	May	24	1912		1198
Otter Creek.....	Otter Creek Mutual Irrigation Company	Lemoyne.....	Otter Creek Canal.....	Irrig.....	1.32	5	15	40	Keith.....	Nov.	6	1912		1240
Otter Creek.....	Otter Creek Mutual Irrigation Company	Lemoyne.....	Otter Creek 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
Pathfinder Res...	Beerline Canal Co.....	Broadwater...	Beerline Canal.....	Supple. I..	D-887	24	19	49	Morrill.....				
Pathfinder Res...	Browns Cr. Irrig. Dist..	Bridgeport...	Browns Creek Canal.....	Supple. I..	D-857	29	20	50	Morrill.....				
					D-1033	29	20	50	Morrill.....				
Pathfinder Res...	Central Irrig. District...	Gering.....	Central Canal.....	Supple. I..	D-926	27	22	55	Scotts Bluff.				
Pathfinder Res...	Chimney Rk. Irrig. Dist..	Bayard.....	Chimney Rock Canal....	Supple. I..	D-844	1	20	53	Scotts Bluff.				
					D-1031	1	20	53	Scotts Bluff.				
Pathfinder Res...	Farmers Irrig. District..	Scottsbluff...	Tri-State Canal.....	Supple. I..	D-918	3	23	58	Scotts Bluff.				
					A-660	3	23	58	Scotts Bluff.				
Pathfinder Res...	Gering Irrig. District...	Gering.....	Gering Canal.....	Supple. I..	A-365	4	23	58	Scotts Bluff.				
Pathfinder Res...	Gering & Fort Laramie Irrig. District	Gering.....	Fort Laramie Canal....	Supple. I..	A-768	10	26	65	Wyoming...				
Pathfinder Res...	Northport Irrig. Dist....	Bridgeport...	Interstate Tri-State Canal	Supple. I..	A-768	10	26	65	Wyoming...				
Pathfinder Res...	Pathfinder Irrig. Dist..	Mitchell.....	Interstate Canal.....	Supple. I..	A-768	10	26	65	Wyoming...				
Pawnee Creek....	Haythorn, Harry W.....	Maxwell.....	Holcombe Canal.....	Irrig.....	8.00	13	13	28	Lincoln.....	Oct.	18	1890	636
Pawnee Creek....	Haythorn, Harry W.....	Maxwell.....	Kent-Burke Canal.....	Irrig.....	5.85	18	13	27	Lincoln.....	Nov.	16	1922	1694
Pawnee Creek....	Hadley, Orley J.....	Brady.....	Janssen Canal.....	Irrig.....	8.42	29	13	27	Lincoln.....	Aug.	31	1931	2231
Pawnee Creek....	Murphy, Milton C.....	North Platte.	Pump.....	Irrig.....	1.01	33	13	27	Lincoln.....	June	19	1940	3184
Platte River....	Consumers Public Power District	Columbus....	Kearney Canal.....	Irrig.....	22.00	4	8	18	Buffalo....	Sept.	10	1882	1023
				Power.....	140.00	4	8	18	Buffalo....	Sept.	10	1882	1023
(Kearney Tail Race)	Peaker, Howard.....	Kearney.....	Pump.....	O. D.....	D-1023	11	8	16	Buffalo....	Sept.	10	1882	1744
Platte River....	Platte Valley Public Power and Irrig. Dist.	North Platte.	Gothenburg Canal.....	Irrig.....	12.00	19	12	26	Lincoln.....	July	5	1890	645a
				Power.....	183.00	19	12	26	Lincoln.....	July	5	1890	645a
Platte River....	Platte Valley Public Power and Irrig. Dist.	North Platte.	Dawson County Canal...	Irrig.....	7.00	18	10	23	Dawson.....	June	14	1894	621

† Reservoir capacity alleged by applicant.
 Supple. I. Denotes storage water in addition to direct flow.
 "O. D." Denotes optional diversion.
 * Denotes application pending.

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

Source	Appropriator or Operator	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.
(Dawson County Drainage Dist. No. 1)	Murray, J. E.	Lincoln	Pump	O. D.	D-621	1	9	22	Dawson	June	14	1894	P201	
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte..	Dawson County Canal...	Irrig.	1142.86	18	10	23	Dawson	June	26	1894	622	
(Buffalo Creek) ..	Savins, Richard T.	Lexington	Pump	O. D.	D-622	22	10	21	Dawson	June	26	1894		1495
(Buffalo Creek) ..	Doughty, Mrs. Ida	Lexington	Pump	O. D.	D-622	21	10	21	Dawson	June	26	1894		1648
(Buffalo Creek) ..	Hodgson, Martha	Lexington	Pump	O. D.	D-622	33	10	20	Dawson	June	26	1894		1868
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte..	Dawson County Canal...	Irrig.	43.43	18	10	23	Dawson	Sept.	15	1894	624	
(Dawson County Drainage Dist. No. 1)	Rosenberg Brothers.	Lexington	Pump	O. D.	D-624	14	9	21	Dawson	Sept.	15	1894		2129
(Ground Water) ..	Beatty, Henry M.	Lexington	Well	O. D.	D-624	20	9	20	Dawson	Sept.	15	1894		2281
(Ground Water) ..	Beatty, H. T.	Overton	Well	O. D.	D-624	19	9	20	Dawson	Sept.	15	1894		2513
(Strever Creek) ..	Jurgenson, John	Overton	Pump	O. D.	D-624	35	9	20	Dawson	Sept.	15	1894		2049
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte..	Gothenburg Canal	Irrig.	240.00	19	12	26	Lincoln	Sept.	22	1894	645b	
(Pedens Lake) ..	Bean, Smith and Good ..	Cozad	Excell Canal	O. D.	D-645b	12	11	23	Dawson	Sept.	22	1894		1860
Platte River	Six Mile Ditch Co.	Gothenburg ..	Six Mile Canal	Irrig.	40.00	11	11	26	Lincoln	Oct.	22	1894	680	
Platte River	Cozad Ditch Company ..	Cozad	Cozad Canal	Irrig.	359.86	16	11	25	Dawson	Dec.	28	1894	626	
Platte River	South Side Irrig. Co.	Cozad	Orchard-Alfalfa Canal ..	Irrig.	85.00	9	10	24	Dawson	Jan.	23	1895	627	
Platte River	Consumers P. P. Dist.	Columbus	Kearney Canal	Power	485.00	3	8	18	Buffalo	Feb.	12	1920		1577
Platte River	Central Power Company ..	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	Faught, Carl E., et al.	Cozad	Orchard-Alfalfa Canal ..	Irrig. ....	.80	9	10	24	Dawson	Oct.	20	1925		1784
Platte River	Johnson, P. L.	Hastings	Pump	Irrig.	2.56	1	8	13	Buffalo	Feb.	13	1926		1796
Platte River	Hagge, Fred, et al.	Grand Island..	Pump	Irrig.	4.58	23	11	9	Hall	Aug.	24	1926		1849

Platte River	Thirty Mile Canal Co.	Gothenburg	Thirty Mile Canal	Irrig.	275.06	30	12	26	Lincoln	Sept.	7	1926	1853
Platte River	Gruber, Otto J.	Cozad	Orchard-Alfalfa Canal	Irrig.	.75	9	10	24	Dawson	Nov.	2	1926	1870
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	Thirty Mile Canal Co.	Gothenburg	Thirty Mile Canal	Irrig.	50.79	30	12	26	Lincoln	Dec.	13	1927	1976
Platte River	Schulz, Louis F.	Brady	Pump	Irrig.	2.10	20	12	27	Lincoln	Oct.	1	1928	2038
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	91.11	18	10	23	Dawson	Oct.	3	1928	2039
(Strever Creek)	Wengler, Wm. G.	Overton	Pump	O. D.	A-2039	27	9	20	Dawson	Oct.	3	1928	2101
Platte River	Thirty Mile Canal Co.	Gothenburg	Thirty Mile Canal	Irrig.	4.57	30	12	26	Lincoln	Apr.	9	1929	2077
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	2.03	18	10	23	Dawson	Aug.	3	1929	2093
Platte River	Moles, Harold	Elm Creek	Elm Creek Canal	Irrig.	.97	6	8	19	Dawson	Aug.	3	1929	2093R
Platte River	Elm Creek Ditch Co.	Elm Creek	Elm Creek Canal	Irrig.	226.43	6	8	19	Dawson	Sept.	17	1929	2104
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	284.91	18	10	23	Dawson	Oct.	25	1929	2110
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	14.21	18	10	23	Dawson	June	14	1930	2145
(Dawson County Drain Dist. No. 1)	Sheldon, Mrs. O. N.	Lexington	Pump	O. D.	A-2145	11	9	21	Dawson	June	14	1930	P197
Platte River	Eavey, W. J.	Hastings	Pump	Irrig.	1.70	3	12	27	Lincoln	Feb.	20	1931	2191
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	12.71	18	10	23	Dawson	Mar.	1	1932	2262
Platte River	The Central Nebraska Public P. and I. Dist.	Hastings	Tri-Co. Supply Canal	Irrig.	1171.00	8	13	29	Lincoln	Jan.	13	1934	2355
			Phelps Canal			2	8	21	Gosper	Jan.	13	1934	2355
			Adams County Canal			17	8	15	Buffalo	Jan.	13	1934	2355
Platte River	The Central Nebraska Public P. and I. Dist.	Hastings	Plum Creek Reservoir	Storage	†509,000 AF	8	13	29	Lincoln	Apr.	27	1934	2351
Platte River	The Central Nebraska Public P. and I. Dist.	Hastings	Tri-County Canal	Power	1500.00	8	13	29	Lincoln	Apr.	27	1934	2354

"O.D." Denotes optional diversion.

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† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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.....	The Central Nebraska Public P. and I. Dist.	Hastings.....	Tri-County Canal.....	Power Incr.Hd.	A-2354	8	13	29	Lincoln.....	July	28	1941		3474
Platte River.....	Tyler, Floyd.....	Chapman.....	Pump.....	Irrig.....	.96	2	12	7	Merrick.....	May	17	1940		3163
Platte River.....	Nebraska Mid-State Reclamation District	Grand Island..	Lower Mid-State Canal..	Irrig.....		11	8	16	Buffalo.....	Aug.	30	1943		3633*
Platte River.....	Nebraska Mid-State Reclamation District	Grand Island..	Upper Mid-State Canal..	Irrig.....		31	9	20	Dawson.....	Aug.	30	1943		3634*
Platte River.....	Nebraska Mid-State Reclamation District	Grand Island..	Mid-State Reservoir System	Storage...		31	9	20	Dawson.....	Sept.	3	1943		3638*
Platte River.....	Nebraska Mid-State Reclamation District	Grand Island..	Upper Prairie Creek Reservoir No. 2	Storage...		11	8	16	Buffalo.....	Sept.	3	1943		3643*
Platte River.....	Nebraska Mid-State Reclamation District	Grand Island..	Wood River Plant.....	Power.....		31	9	20	Dawson.....	Sept.	11	1943		3645*
			Buckeye Plant No. 1.....	Power.....		6-7	8	20	Dawson.....	Sept.	11	1943		3645*
			Upper Prairie Cr. Plant.	Power.....										
Platte River.....	Nebraska Mid-State Reclamation District	Grand Island..	Odessa Plant.....	Power.....		31	9	20	Dawson.....	Sept.	11	1943		3648*
Platte River.....	Nebraska Mid-State Reclamation District	Grand Island..	Buckeye Plant No. 2....	Power.....		6-7	8	20	Dawson.....	Sept.	11	1943		3648*
Platte River.....	Nebraska Mid-State Reclamation District	Grand Island..	Buckeye Plant No. 2....	Power.....		11	8	16	Buffalo.....	Sept.	17	1943		3651*
Platte River.....	Platte Valley Public Power and Irrig. Dist.	North Platte..	Gothenburg Canal.....	Irrig.....	43.67	19	12	26	Dawson.....	Apr.	20	1944		3716
Platte River.....	Nebraska Mid-State Reclamation District	Grand Island..	Elm Creek Section of the Mid-State Reservoir System	Storage...		36	9	21	Dawson.....	May	11	1944		3725*
						2	8	21	Dawson.....	May	11	1944		3725*
Platte River.....	North Gothenburg Public Power and Irrig. Dist.	Gothenburg..	North Gothenburg Canal.	Irrig.....		24	13	29	Lincoln.....	Jan.	22	1945		3797*
Platte River.....	North Gothenburg Public Power and Irrig. Dist.	Gothenburg..	Roten Reservoir.....	Storage...		24	13	29	Lincoln.....	Jan.	22	1945		3798*
Platte River.....	Walter, Louise E.....	Kearney.....	Pump.....	Irrig.....	.18	10	8	16	Buffalo.....	Feb.	11	1947		4033

Platte River Ravine, Trib. to	Harvey, Henry M.	Gothenburg...	Harvey Reservoir	Storage...	†35AF	28	9	17	Buffalo.....	Sept.	28	1937	2791
Platte River Ravine, Trib. to	Johnson, Glenn A.	Holdrege.....	Johnson Reservoir	Storage...	†10AF	28	6	19	Phelps.....	Sept.	1	1944	3760
Platte River Ravine, Trib. to	Walter, Orville L.	Kearney.....	Walter Reservoir	Storage...		27	9	17	Buffalo.....	Nov.	13	1944	3784
Platte River Ravine, Trib. to	Cover, Noel.....	Cozad.....	Cover Reservoir.....	Storage...	†160AF	11	12	24	Dawson.....	Jan.	23	1945	3799
Platte River Ravine, Trib. to	Lauby, M. J.....	Lexington...	Lauby Reservoir	Storage...	†82AF	18	9	22	Dawson.....	Feb.	8	1946	3873
Plum Creek.....	Delatour, Agnes E.....	Ft. Collins, Colo.	Plum Creek Reservoir...	Irrig.....	.74	23	16	42	Garden.....	Jan.	12	1914	1344
Plum Creek.....	Delatour, Agnes E.....	Ft. Collins, Colo.	Plum Creek Reservoir...	Irrig.....	.40	14	16	42	Garden.....	Jan.	12	1914	1344R
Plum Creek.....	Bossung, E. S., et al...	Elwood.....	Pump	Irrig.....	.33	5	7	21	Gosper.....	Mar.	14	1935	2527
Prairie Creek	MacQueen, Glen D.....	Silver Creek...	Pump	Irrig.....	7.89	29	16	3	Merrick.....	Sept.	8	1931	2235
Prairie Creek	Santin, Henry.....	Clarks.....	Pump	Irrig.....	.36	24	15	6	Merrick.....	Sept.	5	1939	2958
Prairie Creek	Shotkoski, David P., et al	Silver Creek...	Pump	Irrig.....	.53	25	16	5	Nance.....	Sept.	1	1941	3380
Prairie Creek	Tarnick, Joe.....	Fullerton.....	Pump	Irrig.....	.50	34	16	5	Nance.....	Apr.	17	1948	4245
Prairie Creek	Lippincott, H. R.....	Shelton.....	Pump	Irrig.....	.26	15	6		Merrick.....	July	16	1948	4307
Prairie Creek	Pieczonka, Wm.....	Fullerton.....	Pump	Irrig.....	.30	16	4		Nance.....	Aug.	18	1948	4329
Prairie Creek	Boryca, Adam.....	Fullerton.....	Pump	Irrig.....	.26	16	5		Nance.....	Sept.	13	1948	4341
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, Ier, et al.....	Harrisburg...	Logan Canal.....	Irrig.....	4.00	7	19	55	Banner.....	July	16	1890	902
Pumpkinseed Cr..	Court House Rock Co...	Bridgeport...	Court House Rock Canal	Irrig.....	30.50	30	19	50	Morrill.....	Oct.	6	1890	840
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 Company..	Redington....	Mutual Canal.....	Irrig.....	8.57	33	19	52	Morrill.....	Nov.	1	1890	843

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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.	Sweet, S. R., Estate	Ft. Collins	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 Bernard- ino, Calif.	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.	Bridgeport	Bird Cage Canal	Irrig.	1.00	20	19	51	Morrill	June	1	1895	892	
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.	Mead, John H., et al.	Scottsbluff	Airedale Canal No. 1	Irrig.	5.52	2	19	55	Banner	Jan.	24	1903		698
						1	19	55	Banner	Jan.	24	1903		698
Pumpkinseed Cr.	Mead, John H., et al.	Scottsbluff	Airedale Canal No. 2	Irrig.	3.22	1	19	55	Banner	Jan.	24	1903		699
Pumpkinseed Cr.	Gifford, Harold and Olson, Omar A.	Gering	Scott Reservoir	Stor. and Irrig.	1.31	7	19	55	Banner	June	24	1903		711
Pumpkinseed Cr.	Seybolt, Floyd	Lincoln	Court House Rk. Canal	Irrig.	.43	30	19	50	Morrill	Feb.	28	1907		851
Pumpkinseed Cr.	Mead, John H., et al.	Scottsbluff	Airedale Canal No. 2	Irrig.	1.48	1	19	55	Banner	Oct.	26	1911		1133
Pumpkinseed Cr.	Mead, John H., et al.	Scottsbluff	Airedale Canal No. 1	Irrig.	.51	2	19	55	Banner	Sept.	4	1914		1380
Pumpkinseed Cr.	Mead, John H., et al.	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, Sigsby S.	Omaha	Pump.	Irrig.	1.68	25	19	53	Banner	Dec.	20	1929		2117
Pumpkinseed Cr.	Reuter, Leonard	Bridgeport	Court House Rk. Canal	Irrig.	.08	30	19	50	Morrill	Apr.	11	1933		2315
Pumpkinseed Cr.	Coulter, Bern R.	Bridgeport	Trails End Canal	Irrig.	2.37	30	19	52	Morrill	June	17	1941		3453
Pumpkinseed Cr.	Schnell, E. George	Harrisburg	Schnell Canal	Irrig.	.76	1	19	56	Banner	Oct.	27	1942		3588
Pumpkinseed Cr.	Rodgers, Bert	Lincoln	Rodgers Canal	Irrig.	1.80	9	19	54	Banner	Oct.	23	1944		3777
Pumpkinseed Cr.	Ehrman, George	Gering	Pump.	Irrig.	.82	18	19	53	Banner	Nov.	6	1945		3859
Pumpkinseed Cr.	Rodgers, Bert	Lincoln	Rodgers Canal	Irrig.	.26	9	19	54	Banner	Jan.	8	1946		3863
Pumpkinseed Cr.	Rodgers, Bert	Lincoln	Wright Canal	Irrig.	1.41	5	19	54	Banner	Jan.	8	1946		3864
Pumpkinseed Cr.	Eckert, Samuel W.	Bridgeport	Eckert Canal	Irrig.		19	19	51	Morrill	June	8	1948		4281*

Red Willow Creek	Dobson, Mary E.	Monrovia, Calif.	Dobson Canal	Irrig.	2.00	12	20	51	Morrill	Sept.	10	1915	1432
Red Willow Creek	Dobson, Mary E.	Monrovia, Calif.	Dobson Canal	Irrig.	.57	12	20	51	Morrill	Nov.	3	1915	1436
Rowe Drain Ditch	Olnhausen, Fred	Cozad	Pump	Irrig.		32	10	23	Dawson	May	10	1946	3905*
Sand Creek	Dudley, W. H.	Lemoynes	Patrick Canal	Irrig.	2.43	10	15	40	Keith	May	31	1891	725
Sand Creek	Nissen, Peter	Lemoynes	Nissen Canal	Irrig.	3.07	10	15	40	Keith	Mar.	18	1901	606
Schuetz Springs	Schuetz, Margaret	Dalton	Schuetz Canal	Irrig.	.21	28	18	50	Morrill	May	10	1892	851
Schuppe Cr., E.	Schuppe, Carl	Henry	Schuppe Canal No. 2	Irrig.	.02	3	23	58	Scotts Bluff	June	17	1946	3918
Schuppe Cr., W.	Schuppe, Carl	Henry	Schuppe Canal No. 1	Irrig.	.01	3	23	58	Scotts Bluff	June	17	1946	3917
Scott Reservoir	Gifford, Harold	Gering	Scott Canal	Supple. I.	A-711	7	19	55	Banner	June	24	1903	711
Sheep Creek	Nash, Charles A.	Morrill	Little Moon Canal	Irrig.	1.00	10	24	58	Sioux	Mar.	23	1904	745
Sheep Creek	Covert, Pitt	Cheyenne, Wyo.	Nebraska Reservoir Canal	Irrig.	3.57	36	27	58	Sioux	May	18	1907	859
Sheep Creek	Carpenter-Broadbent	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-Broadbent	Morrill	Horse Camp Reservoir	Irrig.	.43	36	27	58	Sioux	Jan.	20	1908	885
Sheep Creek	Sheep Creek Lateral Co.	Morrill	Sheep Creek Lateral	Irrig.	.10	8	23	57	Scotts Bluff	Feb.	26	1912	1176
Sheep Creek	Sheep Creek Lateral Co.	Morrill	Sheep Creek Lateral	Irrig.	.28	8	23	57	Scotts Bluff	Feb.	20	1915	1403
Sheep Creek	Schultz, John H.	Morrill	Pump	Irrig.		17	23	57	Scotts Bluff	Apr.	20	1948	4246
Silver Creek	James, M. C.	Columbus	Pump	Irrig.	.15	12	15	4	Merrick	June	17	1947	4083
Skunk Creek	Knight, H. H.	Keystone	Miller Canal	Irrig.	2.29	1	14	37	Keith	Apr.	1	1895	740
Skunk Creek	The McGinley Land and Cattle Co.	Ogallala	Skunk Creek Canal	Irrig.	5.00	6	14	36	Keith	Nov.	5	1909	968

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 Supple. I. Denotes storage water in addition to direct flow.
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CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Slough, Warm....	Johnson, Abram M., Est.	Gibbon.....	Pump.....	Irrig.....	.50	30	9	13	Buffalo.....	Feb.	20	1923		1707
Snake Creek.....	Cook, John B.....	Scottsbluff....	Oasis Canal.....	Irrig.....	54.86	6	24	51	Box Butte...	June	6	1894	567	
Snake Creek.....	Cook, John B.....	Scottsbluff....	Elmore Reservoir.....	Storage...	†2300AF	1	24	52	Box Butte...	June	7	1911		1104
South Platte R...	Paloucek, Joe, et al.....	Ogallala.....	Hollingsworth Canal.....	Irrig.....	4.70	12	13	39	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. District.....	Big Springs....	Western Canal.....	Irrig.....	**154.40	14	12	43	Keith.....	June	14	1897		393
South Platte R...	Western Irrig. District.....	Big Springs....	Western Canal.....	Irrig.....	**25.60	29	13	41	Keith.....	June	14	1897		393R
South Platte R...	Beal, Orvill.....	Brule.....	Beal Canal.....	Irrig.....	5.16	20	13	40	Keith.....	Sept.	20	1921		1620
South Platte R...	Western Irrig. District.....	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. District.....	Paxton.....	Paxton Canal.....	Irrig.....	70.19	1	13	38	Keith.....	Nov.	22	1926		1874
South Platte R...	Countryman, C. L.....	Ogallala.....	Hollingsworth Canal.....	Irrig.....		12	13	39	Keith.....	Mar.	16	1938		2848*
South Platte R...	Platte Valley Public Power and Irrig. Dist.	North Platte..	North Platte Plant.....	Power.....	500.00	8	13	36	Keith.....	Mar.	29	1943		3601
South Platte R...	Peterson, Oscar J.....	Ogallala.....	Hollingsworth Canal.....	Irrig.....		7	13	38	Keith.....	Mar.	17	1944		3700*
South Platte R...	Burnett, Jesse M., et al.	Hershey.....	Burnett Canal.....	Irrig.....		32	14	33	Lincoln....	Apr.	5	1945		3822*
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	Shepard, Harry G.....	Mitchell.....	Stewart-Brown Canal.....	Irrig.....	1.59	26	24	56	Scotts Bluff.	Mar.	2	1904		743
Spotted Tail, Wet	Shepard, Harry G.....	Mitchell.....	Stewart-Brown Canal.....	Irrig.....	2.28	26	24	56	Scotts Bluff.	Mar.	17	1911		1072
Spotted Tail, Wet	Young, Thos. H.....	Mitchell.....	Spring Creek Reservoir.....	Ice.....	†20AF	27	23	56	Scotts Bluff.	Feb.	6	1922		1642
Spring Branch....	Brogan Bros.....	Keystone.....	Brogan Canal.....	Irrig.....	.17	35	15	37	Keith.....	Sept.	24	1897		410
Spring Branch....	Barden, Wm. E.....	Bridgeport....	Pump.....	Irrig.....	.89	11	18	52	Morrill....	June	17	1929		2086

Spring Creek.....	Otter Creek Mutual Irrig. Company	Lemoine.....	Spring Creek Canal.....	Irrig.....	.57	12	15	40	Keith.....	June	18	1894	724
Spring Creek.....	U. P. Railroad Company.	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	The Cooperative Refinery Ass'n., et al	North Kansas City, Mo.	Shramek Canal.....	Irrig.....	1.53	22	22	55	Scotts Bluff.	June	9	1913	1295
Spring Cr., Little	Graves, Johnson H., Est.	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	3	1918	1515
Spring Cr., Little	Hawkins, Ardis.....	Keystone.....	Hawkins Canal.....	Irrig.....	1.31	29	15	37	Keith.....	Apr.	8	1939	2914
Strever Creek....	Jensen, Nelly M.....	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	22	23	Dawson.....	July	27	1925	1773
Strever Creek....	Maack, Roy.....	Cozad.....	Pump.....	Irrig.....	1.00	30	12	23	Dawson.....	Apr.	11	1927	1924
Strever Creek....	Siebenaler, Mat.....	Overton.....	Pump.....	Irrig.....	2.31	6	8	19	Dawson.....	Nov.	22	1927	1969
Strever Creek....	Beatty, Mrs. Harry T.	Overton.....	Beatty Canal.....	Irrig.....	1.13	18	9	20	Dawson.....	June	3	1929	2083
(Dawson County Drain Dist. No. 1)	Beatty, Mrs. Harry T.	Overton.....	Pump.....	O. D.....	A-2083	18	9	20	Dawson.....	June	3	1929	2777*
Strever Creek....	Peterson, P. R.....	Lexington....	Pump.....	Irrig.....	1.11	18	9	20	Dawson.....	Aug.	8	1929	2094
Strever Creek....	Beatty, Esther.....	Overton.....	Bend Canal.....	Irrig.....	1.63	36	9	20	Dawson.....	Aug.	26	1929	2099
Strever Creek....	Jurgenson, Henry, Est.	Overton.....	Pump.....	Irrig.....	1.03	35	9	20	Dawson.....	May	7	1931	2202
Strever Creek....	Gardner and Maack.....	Cozad.....	Pump.....	Irrig.....	.90	30	12	23	Dawson.....	Oct.	8	1941	3516
Strever Creek....	Nebraska Mid-State Reclamation District	Grand Island.	Buckeye Valley Reservoir	Storage...		20	9	20	Dawson.....	Sept.	3	1943	3639*
Strever Creek....	Cooney, Tom.....	Overton.....	Pump.....	Irrig.....	.80	34	9	20	Dawson.....	Oct.	24	1946	3988
Sutherland Res. . .	Platte Valley Public Power and Irrig. Dist.	North Platte..	Sutherland Canal.....	Supple. P. †	54,000AF	16	13	33	Lincoln.....	Mar.	8	1937	2710
					A-2353	16	13	33	Lincoln.....	Mar.	8	1937	2710
					A-2640	16	13	33	Lincoln.....	Mar.	8	1937	2710

† Reservoir capacity alleged by applicant.

"R" Denotes relocation.

** 120.00 second-feet stipulated in Colorado-Nebraska compact.

* Denotes application pending.

"O.D." Denotes optional diversion.

Supple. P. Storage water in addition to direct flow.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Sutherland Res. . .	Platte Valley Public Power and Irrig. Dist.	North Platte..	Cozad Canal.....	Supple. I. . .	D-626	16	11	25	Dawson....	Mar.	31	1937	2726
				Stor-only..		16	11	25	Dawson....	Mar.	31	1937	2726
Sutherland Res. . .	Platte Valley Public Power and Irrig. Dist.	North Platte..	Dawson County Canal...	Supple. I. . .	D-621	18	10	23	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	D-622	18	10	23	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	D-624	18	10	23	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-2039	18	10	23	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-2093	18	10	23	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-2110	18	10	23	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-2145	18	10	23	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-2262	18	10	23	Dawson....	Mar.	31	1937	2726
				Stor-only..		18	10	23	Dawson....	Mar.	31	1937	2726
Sutherland Res. . .	Platte Valley Public Power and Irrig. Dist.	North Platte..	Elm Creek Canal.....	Supple. I. . .	A-2104	6	8	19	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-1859	6	8	19	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-1985	6	8	19	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-1988	6	8	19	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-2012	6	8	19	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-2066	6	8	19	Dawson....	Mar.	31	1937	2726
				Supple. I. . .	A-2068	6	8	19	Dawson....	Mar.	31	1937	2726
Sutherland Res. . .	Platte Valley Public Power and Irrig. Dist.	North Platte..	Gothenburg Canal.....	Supple. I. . .	D-645a	19	12	26	Lincoln....	Mar.	31	1937	2726
				Supple. I. . .	D-645b	19	12	26	Lincoln....	Mar.	31	1937	2726
				Supple. I. . .	A-3717	19	12	26	Lincoln....	Mar.	31	1937	2726
Sutherland Res. . .	Platte Valley Public Power and Irrig. Dist.	North Platte..	Kearney Canal.....	Supple. I. . .	D-1023	3	8	18	Buffalo....	Mar.	31	1937	2726
				Stor-only..	D-1023	3	8	18	Buffalo....	Mar.	31	1937	2726
Sutherland Res. . .	Platte Valley Public Power and Irrig. Dist.	North Platte..	Orchard-Alfalfa Canal...	Supple. I. . .	D-627	9	10	24	Dawson....	Mar.	31	1937	2726
Sutherland Res. . .	Platte Valley Public Power and Irrig. Dist.	North Platte..	Six Mile Canal.....	Supple. I. . .	D-680	11	11	26	Lincoln....	Mar.	31	1937	2726

Sutherland Res...	Platte Valley Public Power and Irrig. Dist.	North Platte..	Thirty Mile Canal.....	Supple. I..	A-1853	30	12	26	Lincoln.....	Mar.	31	1937	2726
				Supple. I..	A-1976	30	12	26	Lincoln.....	Mar.	31	1937	2726
				Supple. I..	A-2077	30	12	26	Lincoln.....	Mar.	31	1937	2726
				Stor-only..		30	12	26	Lincoln.....	Mar.	31	1937	2726
				Supple. I..	A-1784	30	12	26	Lincoln.....	Mar.	31	1937	2726
Sutherland Res...	Platte Valley Public Power and Irrig. Dist.	North Platte..	Gothenburg Canal.....	Supple. I..	A-1870	30	12	26	Lincoln.....	Mar.	31	1937	2726
				Supple. I..	A-3716	19	12	26	Dawson.....	Mar.	31	1937	3717
Turkey Creek, and Kearney Tail Race	Nebraska Mid-State Reclamation District	Grand Island..	Lower Buffalo, Hall and Merrick County Canal	Irrig.....		11	8	16	Buffalo.....	Aug.	30	1943	3635*
White Horse, Cr..	Hollingsworth, Clark A...	Ogallala.....	Lamplugh Lake.....	Irrig.....	2.86	8	14	30	Lincoln.....	Dec.	31	1883	658
White Horse, Cr..	Peterson, James C.....	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 Creek.	The McGinley Land and Cattle Company	Ogallala.....	McCarthy Canal.....	Irrig.....	1.00	36	15	38	Keith.....	July	15	1890	749
White Tail Creek.	The McGinley Land and Cattle Company	Ogallala.....	Halloway-Phelps Canal..	Irrig.....	3.86	36	15	38	Keith.....	June	1	1893	717
White Tail Creek.	Keystone Irrig. Co.....	Keystone.....	Keystone Canal.....	Irrig.....	8.00	26	15	38	Keith.....	Oct.	30	1894	730
White Tail Creek.	Martin, Chas. O.....	Keystone.....	Reed Canal.....	Irrig.....	.57	15	15	38	Keith.....	May	15	1895	751
White Tail Creek.	Keystone Irrig. Co.....	Keystone.....	Keystone Canal.....	Irrig.....	39.00	26	15	38	Keith.....	Apr.	26	1902	862b
(Paxton Creek)..	Coyner, S. C.....	Keystone.....	Coyner Canal.....	O. D.....	A-662b	31	15	37	Keith.....	Apr.	26	1902	P185
White Tail Creek.	Keystone Irrig. Co.....	Keystone.....	Keystone Canal.....	Irrig.....	4.30	26	15	38	Keith.....	Nov.	30	1906	843
White Tail Creek.	Keystone Irrig. Co.....	Keystone.....	Keystone Canal.....	Irrig.....	7.41	26	15	38	Keith.....	May	27	1910	1003
White Tail Creek.	White Tail Public Power and Irrig. Dist..	Keystone.....	White Tail Reservoir....	Storage...		13	13	34	Lincoln.....	Jan.	24	1941	3378*
White Tail Creek.	Jeppesen, Jeppe.....	Keystone.....	Pump.....	Irrig.....	.21	23	15	38	Keith.....	Apr.	7	1948	4241
Willow Creek.....	Banner County Bank.....	Harrisburg...	Willow Springs Canal...	Irrig.....	.57	16	19	56	Banner.....	Jan.	21	1902	650

Supple. I. Denotes storage water in addition to direct flow.

Stor-only. Land does not have a direct flow appropriation.

* Denotes application pending.

"O.D." Denotes optional diversion.

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

Source	Appropriator or Operator	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.
Willow Creek.....	Banner County Bank.....	Harrisburg.....	Willow Springs Canal.....	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
Willow Creek.....	Stafford, Margaret.....	Paxton.....	Stafford Canal.....	Irrig.....	.80	15	14	35	Keith.....	Nov.	20	1929		2114
Willow Creek.....	McFadden, M. J.....	Sarben.....	McFadden Canal.....	Irrig.....	.80	14	14	35	Keith.....	May	26	1930		2142
Willow Creek.....	Knight, W. F.....	Sarben.....	Willow Creek Canal.....	Irrig.....	.93	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
Winters Creek.....	Cook, John B.....	Scottsbluff.....	Cook Power Plant.....	Power.....		4	22	54	Scotts Bluff.....	Apr.	12	1945		3826*
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.....	Union Central Life Insurance Company	Cincinnati, Ohio	White Bridge Park.....	Irrig.....	.03	8	9	15	Buffalo.....	Mar.	14	1900		545a
Wood River.....	Union Central Life Insurance Company	Cincinnati, Ohio	White Bridge Park.....	Power.....	10.00	8	9	15	Buffalo.....	Mar.	14	1900		545b
Wood River.....	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.....	Storage.....	†3000AF	31	10	16	Buffalo.....	Feb.	3	1920		1576
Wood River.....	Haug, James, Estate	Shelton.....	Pump.....	Irrig.....	.64	9	9	13	Buffalo.....	Sept.	7	1920		1590
Wood River.....	Peterson, Christianna	Shelton.....	Pump.....	Irrig.....	1.07	10	9	13	Buffalo.....	July	11	1921		1611
Wood River.....	Nutter, M. D.....	Shelton.....	Pump.....	Irrig.....	2.28	8	9	13	Buffalo.....	Aug.	29	1921		1616
Wood River.....	Rodgers, J. H., Estate	Gibbon.....	Pump.....	Irrig.....	.30	14	9	14	Buffalo.....	Feb.	4	1922		1641
Wood River.....	Nebr. Conf. Ass'n. of Seven Day Adventists	Shelton.....	Pump.....	Irrig.....	2.28	31	10	12	Hall.....	Feb.	16	1922		1643
Wood River.....	Haug, James, Estate.....	Shelton.....	Pump No. 2.....	Irrig.....	.92	9	9	13	Buffalo.....	Feb.	28	1922		1644
Wood River.....	Travis, Thos. C.....	Kearney.....	Hallen Reservoir.....	Storage.....	†1AF	5	9	16	Buffalo.....	Apr.	4	1922		1654
Wood River.....	Travis, Thos. C.....	Kearney.....	Hallen Canal.....	Irrig.....	.27	5	9	16	Buffalo.....	Apr.	17	1922		1656

BUREAU OF IRRIGATION

Wood River.....	Durtschi, Rudolph.....	Wood River.....	Pump.....	Irrig.....	1.37	18	10	11	Hall.....	May	22	1922	1668
Wood River.....	Howe, Lloyd M.....	Wood River.....	Pump.....	Irrig.....	.54	17	10	11	Hall.....	July	14	1922	1679
Wood River.....	Wilson, C. C.....	Omaha.....	Pump.....	Irrig.....	1.21	14	9	15	Buffalo.....	Nov.	15	1922	1693
Wood River.....	Smith, Evan F.....	Shelton.....	Pump.....	Irrig.....	1.04	1	9	13	Buffalo.....	Jan.	12	1923	1702
Wood River.....	Ross, W. M.....	Gibbon.....	Pump.....	Irrig.....	.26	13	9	14	Buffalo.....	Apr.	28	1924	1743
Wood River.....	Slater, Selmar.....	Riverdale.....	Pump.....	Irrig.....	1.76	36	10	17	Buffalo.....	Dec.	2	1924	1753
Wood River.....	Richardson, Frank.....	Gibbon.....	Pump.....	Irrig.....	.49	13	9	14	Buffalo.....	Sept.	8	1925	1780
Wood River.....	Wilcox, Eva C.....	Gibbon.....	Pump.....	Irrig.....	.90	8	9	13	Buffalo.....	Jan.	22	1926	1793
Wood River.....	Nutter, John N., Estate.....	Gibbon.....	Pump.....	Irrig.....	.70	8	9	13	Buffalo.....	Feb.	10	1926	1794
Wood River.....	First Trust Co., et al.....	Lincoln.....	Pump.....	Irrig.....	2.57	14	9	14	Buffalo.....	Feb.	23	1926	1797
						16	9	14	Buffalo.....	Feb.	23	1926	1797
Wood River.....	Langan, Thos.....	Wood River.....	Pumps.....	Irrig.....	1.14	19	10	11	Hall.....	Mar.	19	1926	1800
Wood River.....	McConnell, Sadie I., et al.....	Gibbon.....	Pump.....	Irrig.....	3.43	7	9	13	Buffalo.....	Apr.	21	1926	1805
Wood River.....	Mercer, Howard R.....	Gibbon.....	Pump.....	Irrig.....	.80	9	9	14	Buffalo.....	May	25	1926	1814
Wood River.....	Oliver Brothers.....	Shelton.....	Pump.....	Irrig.....	1.57	2	9	13	Buffalo.....	June	15	1926	1818
Wood River.....	Carlson, Carl E.....	Shelton.....	Pump.....	Irrig.....	1.10	35	10	13	Buffalo.....	July	19	1926	1830
Wood River.....	Hayman, Mrs. O. O.....	Shelton.....	Pump.....	Irrig.....	.57	4	9	13	Buffalo.....	July	20	1926	1831
Wood River.....	Power and Son.....	Gibbon.....	Pump.....	Irrig.....	.41	13	9	14	Buffalo.....	July	24	1926	1834
Wood River.....	Schnoor, Jacob.....	Amherst.....	Pump.....	Irrig.....	.80	16	10	17	Buffalo.....	Oct.	18	1926	1887
Wood River.....	Oliver, Henry E., Jr.....	Shelton.....	Pump.....	Irrig.....	.86	9	9	13	Buffalo.....	Feb.	29	1928	1987
Wood River.....	Nickel, Emil.....	Kearney.....	Pump.....	Irrig.....	1.95	12	9	16	Buffalo.....	July	16	1930	2148
Wood River.....	Abels, Carl H.....	Amherst.....	Pump.....	Irrig.....	1.23	6	10	17	Buffalo.....	Jan.	10	1931	2186
Wood River.....	Nye, Kate D.....	Kearney.....	Pump.....	Irrig.....	.28	10	9	16	Buffalo.....	Sept.	11	1937	2785
Wood River.....	Thornton, S. Cary.....	Kearney.....	Pump.....	Irrig.....	.42	9	9	15	Buffalo.....	Apr.	17	1939	2915
Wood River.....	Czenkusch, Carl.....	Amherst.....	Pump.....	Irrig.....	.15	25	11	18	Buffalo.....	May	22	1939	2924
Wood River.....	Conklin, Grace L.....	Lincoln.....	Pumps.....	Irrig.....	2.09	4	11	8	Merrick.....	Apr.	29	1940	3145
						5	11	8	Merrick.....	Apr.	29	1940	3145
Wood River.....	Belschner, Howard E.....	Amherst.....	Pump.....	Irrig.....	.12	16	10	17	Buffalo.....	July	24	1940	3212
Wood River.....	Huffstutter, W. F.....	Kearney.....	Pump.....	Irrig.....	.78	9	9	15	Buffalo.....	Sept.	17	1940	3267
Wood River.....	Sharp, Earl H.....	Broken Bow.....	Pump.....	Irrig.....	.83	12	9	16	Buffalo.....	Sept.	30	1940	3278
Wood River.....	Cunningham, S. S.....	Riverdale.....	Pump.....	Irrig.....	.26	31	10	16	Buffalo.....	Oct.	14	1940	3294

* Denotes application pending.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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.....	Conklin, Grace L.....	Lincoln.....	Pumps.....	Irrig.....	1.86	5	11	8	Merrick....	Oct.	30	1940	3314	
						8	11	8	Merrick....	Oct.	30	1940	3314	
Wood River.....	Nebraska Mid-State Reclamation District	Grand Island.	Wood River Reservoir...	Storage...		4	9	16	Buffalo....	Sept.	3	1943	3642*	
Wood River.....	Snyder, Ray A.....	Scottsbluff....	Pump.....	Irrig.....	.39	10	9	15	Buffalo....	Apr.	4	1944	3709	
Wood River.....	Weber, Carl.....	Kearney.....	Pump.....	Irrig.....	1.56	11	9	16	Buffalo....	Oct.	15	1945	3856	
Wood River.....	Richter, Lawrence.....	Kearney.....	Pump.....	Irrig.....	.74	13	9	16	Buffalo....	Apr.	1	1946	3886	
Wood River.....	Travis, Thomas C., Jr..	Kearney.....	Pump.....	Irrig.....	1.05	5	9	16	Buffalo....	May	27	1946	3911	
Wood River.....	Adelung, Ernest E.....	Amherst.....	Pump.....	Irrig.....		21	10	17	Buffalo....	May	15	1948	4266	
Wood River.....	Cook, Richard J.....	Amherst.....	Pump.....	Irrig.....		26	10	17	Buffalo....	Aug.	6	1948	4320	
Wood River	Randall, Otis.....	Gibbon.....	Randall Reservoir.....	Storage...	†44A	F	6	9	14	Buffalo....	July	29	1944	3746
Ravine, Trib. to Wood River, Ravine, Trib. to	Porterfield, E. N.....	San Diego.....	Porterfield Reservoir....	Storage...		17	9	16	Buffalo....	Sept.	30	1948	4349*	

* Denotes application pending.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Askey Lake.....	Pleas, Walter P., Est.....	Oxford.....	Pump.....	Irrig.....	2.31	5	3	21	Furnas.....	Jan.	4	1930		2120
Beaver Creek.....	Weber, John, Estate.....	Lebanon.....	Pump.....	Irrig.....	1.43	17	1	26	Red Willow	Aug.	8	1930		2156
Beaver Creek.....	Fletcher, G. W.....	Beaver City.....	Pump.....	Irrig.....	.43	24	2	23	Furnas.....	Aug.	8	1933		2342
Beaver Creek (See Sappa Cr.)	Beaver-Sappa Public P. and I. District	Stamford.....	South Beaver Canal.....	Irrig.....		23	2	23	Furnas.....	Dec.	14	1936		2671a*
Beaver Creek (See Sappa Cr.)	Beaver-Sappa Public P. and I. District	Stamford.....	North Beaver Canal.....	Irrig.....		23	2	23	Furnas.....	Dec.	14	1936		2671a*
Beaver Creek.....	Gallatin, Bryan J. and John E.	Stamford.....	Beaver Reservoir.....	Storage...		23	2	23	Furnas.....	Dec.	14	1936		2672a*
Beaver Creek.....	Gallatin, Bryan J. and John E.	Danbury.....	Pump.....	Irrig.....	.88	24	1	28	Red Willow	Oct.	8	1937		2796
Beaver Creek.....	Puelz, Robert A. and Lowell V.	Danbury.....	Pump.....	Irrig.....	.71	24	1	28	Red Willow	Apr.	1	1938		2857
Beaver Creek.....	Morris, James E.....	Lebanon.....	Pump.....	Irrig.....	.64	11	1	26	Red Willow	May	10	1939		2920
Beaver Creek.....	Van Matre, James C.....	Beaver City.....	Pump.....	Irrig.....	.96	13	2	23	Furnas.....	Jan.	10	1941		3366
Beaver Creek.....	Downing, Amy C.....	Oxford.....	Pump.....	Irrig.....	.43	16	2	22	Furnas.....	Jan.	21	1941		3373
Beaver Creek.....	Williams, Mary E.....	Grand Island.....	Pumps.....	Irrig.....	.70	28	2	23	Furnas.....	Sept.	15	1941		3505
						21	2	23	Furnas.....	Sept.	15	1941		3505
Beaver Creek.....	Noel, W. A.....	Beaver City.....	Pump.....	Irrig.....	.09	18	2	22	Furnas.....	May	4	1942		3563
Beaver Creek.....	Becker, Bernard.....	Beaver City.....	Pump.....	Irrig.....	1.77	15	2	22	Furnas.....	Aug.	15	1942		3582
Beaver Creek.....	DeMay, Rollo O.....	Danbury.....	Pump.....	Irrig.....	2.74	23	1	28	Red Willow	Jan.	9	1945		3793
Beaver Creek.....	Marble, Vernon L.....	Beaver City.....	Pump.....	Irrig.....	.30	24	2	23	Furnas.....	Mar.	14	1946		3884
Beaver Creek Ravine, Trib. to	Garey, Raymond R.....	Beaver City.....	Garey Reservoir.....	Storage...	†57AF	12	2	23	Furnas.....	Oct.	14	1939		2986
Beaver Creek Ravine, Trib. to	Ackerman, G. W.....	Beaver City.....	Campbell Reservoir.....	Storage...	†161.5AF	22	2	22	Furnas.....	July	23	1941		3459
Beaver Creek Ravine, Trib. to	Furnas Co. Comm.....	Beaver City.....	Van Cleave Reservoir.....	Storage...	†126AF	7	2	22	Furnas.....	May	31	1945		3836

* Denotes application pending.
† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Beaver Creek Ravine, Trib. to	Gallatin, B. J.	Danbury	Gallatin Reservoir	Storage...	†361AF	13	1	28	Red Willow	Feb.	28	1946		3876
Bell Creek	Bell, J. F.	Superior	Valley Reservoir	Storage...	†25AF	29	1	6	Nuckolls ...	Apr.	30	1928		2013
Bell Creek	Beal, W. C.	Superior	Beal Reservoir	Fish	†19AF	17	1	6	Nuckolls ...	Feb.	21	1941		3399
Berger Creek (See School Creek)	Sughroue, Edward	Indianola	Pump	Irrig. ....	.64	15	3	27	Red Willow	Aug.	16	1932		2280
Blackwood Creek	Barth, Mrs. Lydia	Culbertson	Pump	Irrig. ....	.47	33	4	31	Hitchcock ...	Apr.	27	1940		3143
Blackwood Creek	Barth, Mrs. Lydia	Culbertson	Pump	Irrig. ....	.17	33	4	31	Hitchcock ...	Nov.	8	1940		3328
Blackwood Creek	Russell, Carson	McCook	Russell Canal	Irrig.	2.57	6	4	31	Hitchcock ...	July	31	1941		3477
Broeker Reservoir	Broeker, Gezena M.	Arapahoe	Broeker Canal	Stor-only..		4	3	22	Furnas	Dec.	10	1940		3535
Brown Reservoir	Brown, Floyd T.	Stamford	Brown Canal	Stor-only..		4	1	21	Furnas	Apr.	29	1941		3434
Buffalo Creek ...	Larned, Wm. H., et al.	Haigler	Allen-Larned Canal	Irrig.	6.00	18	1	40	Dundy	Oct.	16	1890	117	
Buffalo Creek ...	Jenkins, Carrol C.	Haigler	Jenkins Canal No. 1	Irrig.	4.57	18	1	40	Dundy	Dec.	12	1908		924
Buffalo Creek ...	North Republican Irrigation District	McCook	Buffalo Creek Canal	Irrig.		20	1	40	Dundy	Jan.	22	1946		3868c*
Bushy Creek	Young, Lee	Maywood	Young Canal	Irrig. ....	.20	33	8	29	Frontier ...	Apr.	5	1927		1921
Bushy Creek	Russell and Corlett	Maywood	Pump	Irrig.	1.50	33	8	29	Frontier ...	Oct.	31	1940		3319
Campbell Res. ...	Ackerman, G. W.	Beaver City	Campbell Canal	Stor-only..		22	2	22	Furnas	July	23	1941		3460
Cannon Reservoir	Cannon, Elmer	Benkelman	Cannon Canal	Stor-only..			2	37	Dundy	Feb.	5	1943		3596*

Center Creek.....	Blank and Norton.....	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., et al.	Franklin.....	Pump.....	Irrig.....	.18	27	2 15	Franklin.....	June	1	1940	3169
Cook Creek.....	Haskell, John G., et al.	Alma.....	Cook Creek Canal.....	Irrig.....	.57	33	2 18	Harlan.....	July	21	1917	1491
Cottonwood Cr..	Worden, Jennie.....	Superior.....	Worden Lake.....	Resort.....	†50AF	11	1 8	Nuckolls...	Nov.	25	1938	2897
Cottonwood, Little	Gardner, C. D.....	Franklin.....	Gardner Canal.....	Irrig.....	1.14	6	1 15	Franklin.....	Mar.	20	1922	1647
Cottonwood, Little	Koelmel, John.....	Bloomington..	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..	Gilham, Sarah C.....	Red Cloud....	Pump.....	Irrig.....	.22	6	1 10	Webster....	Nov.	4	1946	4000
Crow Reservoir..	Crow, Clark.....	Oxford.....	Crow Canal.....	Stor-only..		19	3 20	Harlan.....	Nov.	20	1940	3548
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.....	Pump.....	Irrig.....	.27	36	8 28	Frontier....	Apr.	19	1927	1927
Deep Creek.....	Murdoch, Chas. B.....	Orleans.....	Pump No. 2.....	Irrig.....	.65	22	3 20	Harlan.....	Sept.	18	1928	2030
Deep Creek.....	Brown, Harold.....	Orleans.....	Pump.....	Irrig.....	.50	22	3 20	Harlan.....	June	9	1943	3618
Deer Creek.....	Farr, Ed.....	Cambridge....	Pump.....	Irrig.....	.22	10	5 25	Frontier....	Feb.	7	1938	2833
Driftwood Creek..	Schmitz, Carl M.....	McCook.....	Schmitz Canal.....	Irrig.....	1.50	12	2 30	Red Willow..	May	3	1913	1287
Driftwood Creek..	Hesterwerth, Mrs. John T., et al	McCook.....	Hesterwerth Canal.....	Irrig.....	1.00	14	2 30	Red Willow..	Nov.	17	1913	1332
Driftwood Creek..	Kueffer, Mattie S., et al.	San Carlos...	Sylvan Dell Canal.....	Irrig.....	2.80	1	2 30	Red Willow..	Dec.	6	1913	1340
Driftwood Creek..	Hoyt, Frank.....	McCook.....	Pump.....	Irrig.....	.56	24	2 31	Hitchcock...	Sept.	7	1937	2780
Driftwood Creek..	Liebrandt, John C.....	McCook.....	Pump.....	Irrig.....	.67	14	2 30	Red Willow..	Sept.	5	1939	2957
Driftwood Creek..	Hoyt, Homer.....	McCook.....	Hoyt Canal.....	Irrig.....	.68	25	2 31	Red Willow..	Feb.	23	1943	3597
Elk Creek.....	Murray, Esther.....	Arapahoe....	Murray Canal.....	Irrig.....	2.85	11	4 23	Furnas.....	Aug.	13	1913	1315
Elk Creek.....	Golter, Albert.....	Arapahoe....	Pump.....	Irrig.....	.30	35	5 23	Gosper.....	Mar.	7	1947	4044

* Denotes application pending.

† Reservoir capacity alleged by applicant.

Stor-only. Land does not have a direct flow appropriation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Elm Creek.....	Rasser, William, et al...	Red Cloud...	Rasser Canal.....	Irrig.....	1.02	3	1	10	Webster....	Jan.	24	1934	2357
Elm Creek.....	Rasser, William, et al...	Red Cloud...	Rasser Bros. Canal.....	Irrig.....	.45	3	1	10	Webster....	Apr.	26	1939	2917
Elm Creek.....	Harris, Lyle A.....	Denver.....	Pump.....	Irrig.....	2.47	2	1	10	Webster....	Feb.	7	1948	4206
Feese Reservoir..	Feese, Edna.....	Hastings.....	Feese Canal.....	Stor.-only..		30	2	20	Harlan....	Sept.	9	1941	3498*
Flag Creek.....	Kerr, Robert H.....	Alma.....	Pump.....	Irrig.....	.32	27	2	19	Harlan....	Apr.	19	1943	3607
Flag Creek.....	Davis, John E.....	Orleans.....	Pump.....	Irrig.....	.22	21	2	19	Harlan....	Apr.	12	1944	3712
Flag Creek.....	Landgreen, Mrs. Alma..	Orleans.....	Pump.....	Irrig.....	.09	22	2	19	Harlan....	July	5	1944	3741
Fox Creek.....	Schick, Wm.....	Curtis.....	Pump.....	Irrig.....	.43	5	8	28	Frontier...	May	16	1940	3161
Fox Creek.....	Keldsen, Chris.....	Curtis.....	Pump.....	Irrig.....	.35	8	8	28	Frontier...	May	16	1940	3162
Frenchman R....	Athey, H. E.....	Wauneta.....	Wauneta Plant.....	Power.....	35.00	11	5	36	Chase.....	July	31	1886	178
Frenchman R....	Wauneta L. and P. Co..	Wauneta.....	Wauneta Plant.....	Rs. Dam..	D-178	11	5	36	Chase.....	May	7	1928	2015
Frenchman R....	Knotwell, Glen R.....	Champion....	Champion Mills.....	Power.....	28.30	21	6	39	Chase.....	Dec.	31	1887	179
Frenchman R....	Krotter Bros.....	Palisade....	Aberdeen Canal.....	Irrig.....	.83	3	5	38	Chase.....	July	1	1888	50a
Frenchman R....	Sheridan, Ellen T.....	McCook.....	Pump.....	Irrig.....	1.17	2	5	38	Chase.....	July	1	1888	50aR
Frenchman R....	Frenchman Valley and Stinking Water Creek Irrigation District	Culbertson...	Culbertson Canal.....	Irrig.....	215.00	31	5	33	Hayes.....	May	16	1890	24-25 29-30
Frenchman R....	Kilpatrick Brothers....	Beatrice.....	Champion Canal.....	Irrig.....	124.00	23	6	40	Chase.....	Dec.	23	1890	47
Frenchman R....	Sheridan, Ellen T., et al.	McCook.....	Aberdeen Canal Ext....	Irrig.....	.50	3	5	38	Chase.....	Feb.	2	1891	50b
Frenchman R....	Crews, Jos. G., et al...	Culbertson...	Farmers Canal.....	Irrig.....	10.00	11	3	32	Hitchcock..	Dec.	19	1893	10
(Canyon No. 10).	Gerlach, Geo., et al...	Culbertson...	Wacker Canal.....	O. D.....	D-10	17	3	31	Hitchcock..	Dec.	19	1893	1523
(Canyon No. 10).	Crews, Jos. G., et al...	Culbertson...	Farmers Canal.....	O. D.....	D-10	17	3	31	Hitchcock..	Dec.	19	1893	1573
Frenchman R....	Riverside Irrig. Co.....	Culbertson...	Riverside Canal.....	Irrig.....	12.00	33	4	32	Hitchcock..	July	28	1894	18
Frenchman R....	Maranville, E., et al...	Champion....	Maranville Canal.....	Irrig.....	6.00	12	6	41	Chase.....	Dec.	8	1894	70-71
Frenchman R....	Inman, Norton.....	Champion....	Inman Canal.....	Irrig.....	1.50	17	6	40	Chase.....	Feb.	28	1895	79

Frenchman R....	Shallenberger and Hoffmeister	Imperial.....	Shallenberger Canal.....	Irrig.....	1.77	25	6	39	Chase.....	Dec.	21	1897	423	
Frenchman R....	Inman Irrig. Company.	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.....	Pump.....	Irrig.....	4.29	35	5	34	Hayes.....	Apr.	30	1903	705	
Frenchman R....	Follett-Krotter	Palisade.....	Pump.....	Irrig.....	2.57	35	5	34	Hayes.....	Aug.	11	1903	720	
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....	Kilpatrick Brothers.....	Beatrice.....	Kilpatrick Res. No. 1.....	Storage...	†1000AF	23	6	40	Chase.....	June	22	1911	1108	
Frenchman R....	Theobald and Athey.....	Wauneta.....	Wauneta Plant.....	Power.....	75.00	11	5	36	Chase.....	Nov.	16	1911	1136	
Frenchman R....	Arterburn, E. E.....	Lincoln.....	Arterburn Reservoir.....	Storage...	†1800AF	11	6	41	Chase.....	Nov.	28	1911	1142	
Frenchman R....	Bishop, Stephen S., Est.....	Lincoln.....	Inman Reservoir.....	Storage...	†2000AF	17	6	40	Chase.....	Dec.	8	1911	1145	
Frenchman R....	Oliver Brothers.....	Wauneta.....	Oliver Plant.....	Power.....	50.00	7	5	35	Hayes.....	Apr.	28	1913	1284	
Frenchman R....	Oliver Brothers.....	Wauneta.....	Oliver 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 Plant.....	Power.....	65.00	35	5	34	Hayes.....	Dec.	2	1913	1339	
Frenchman R....	City of Imperial.....	Imperial.....	Imperial Plant.....	Power.....	55.00	25	6	39	Chase.....	Feb.	7	1917	1474	
Frenchman R....	City of Imperial.....	Imperial.....	Imperial Reservoir.....	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.....	Pump.....	Irrig.....	2.01	9	4	33	Hitchcock..	Sept.	11	1926	1856	
Frenchman R....	Krotter, F. C., Estate.....	Palisade.....	Follett-Krotter Canal.....	Irrig.....	2.98	35	5	34	Hayes.....	Jan.	6	1933	2294	
Frenchman R....	Grosbach and Williams..	Wauneta.....	Grosbach-Williams Plant.	Power.....	75.00	5	5	37	Chase.....	July	27	1933	2338	
Frenchman R....	Grimm, Fred R.....	Wauneta.....	Pumps.....	Irrig.....	1.19	15	5	35	Hayes.....	Apr.	25	1935	2542	
							16	5	35	Hayes.....	Apr.	25	1935	2542
							22	5	35	Hayes.....	Apr.	25	1935	2542
Frenchman R. and Springs	Hoffmeister, Geo.....	Imperial.....	Hoffmeister Reservoir...	Storage...	†100AF	31	6	38	Chase.....	Mar.	13	1936	2570	
Frenchman R....	Krausnick, Fred W.....	Wauneta.....	Pump.....	Irrig.....	.56	3	5	37	Chase.....	Mar.	2	1937	2705	
Frenchman R....	Wise, Emma J.....	Palisade.....	Pump.....	Irrig.....	1.38	22	5	35	Hayes.....	Aug.	10	1937	2772	
Frenchman R....	Witt and Follett.....	Palisade.....	Pump.....	Irrig.....	.46	35	5	34	Hayes.....	Nov.	20	1937	2805	

Stor-only. Land does not have a direct flow appropriation.

* Denotes application pending.

"R" Denotes relocation.

"O.D." Denotes optional diversion.

‡ Amount affirmed by U. S. Supreme Court.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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....	Hoffmeister, Chas.....	Imperial.....	Hoffmeister Lake.....	Resort.....		24	6	40	Chase.....	Jan.	21	1938	2829*
Frenchman R....	Severns, U. S.....	Palisade.....	Pump.....	Irrig.....	.91	9	4	33	Hitchcock...	Mar.	15	1938	2847
Frenchman R....	Haarberg, Fred C.....	Wauneta.....	Pump.....	Irrig.....	.35	16	5	35	Hayes.....	Apr.	2	1938	2858
Frenchman R....	Sims and Engell.....	Wauneta.....	Pump.....	Irrig.....	1.23	17	5	35	Hayes.....	Feb.	9	1939	2908
Frenchman R....	Gruver, Clyde L.....	Palisade.....	Pump.....	Irrig.....	1.03	5	4	33	Hitchcock...	Feb.	27	1939	2910
Frenchman R....	Handel, Raymond J.....	Palisade.....	Pump.....	Irrig.....	1.35	8	4	33	Hitchcock...	Mar.	11	1940	3112
Frenchman R....	Krotter, F. C., Estate..	Palisade.....	Krotter Reservoir.....	Storage...	†88AF	4	5	38	Chase.....	Sept.	11	1941	3504
Frenchman R....	Frenchman-Cambridge Irrigation District	McCook.....	Farmers Canal.....	Irrig.....		34	4	32	Hitchcock...	Jan.	22	1946	3869a
Frenchman R....	Frenchman-Cambridge Irrigation District	McCook.....	Riverside Canal.....	Irrig.....		34	4	32	Hitchcock...	Apr.	3	1946	3887a
Frenchman R....	Frenchman-Cambridge Irrigation District	McCook.....	Farmers Canal.....	Irrig.....		34	4	32	Hitchcock...	Apr.	3	1946	3887b
Frenchman R....	U. S. of America.....	Denver, Colo.	Enders Reservoir.....	Storage...	†44079AF	4-9	5	37	Chase.....	May	1	1946	3899
Frenchman R....	Krotter, F. C., Estate..	Palisade.....	Krotter-Rice Reservoir..	Storage...	†33AF	34	5	34	Hayes.....	Feb.	4	1944	3678
Frenchman R., Ravine, Trib. to	Krotter Bros.....	Palisade.....	Krotter-Schlager Res....	Storage...	†42AF	26	4	33	Hitchcock...	Mar.	12	1945	3814
Garey Reservoir..	Garey, Raymond R.....	Beaver City...	Garey Canal.....	Stor-only..		12	2	23	Furnas.....	Oct.	14	1939	3483
Gerd Reservoir...	Gerd, Clarence.....	Stamford.....	Gerd Canal.....	Stor-only..		34	2	21	Furnas.....	Feb.	29	1940	3485
Gilham Reservoir.	Gilham, Sarah C.....	Red Cloud....	Pump No. 2.....	Irrig.....		31	2	10	Webster....	Nov.	4	1946	4002
Ground Water....	Krotter, F. C., Estate..	Palisade.....	Krotter Well No. 1.....	Irrig.....		36	5	34	Hayes.....	May	6	1938	2872*
Ground Water....			Krotter Well No. 2.....	Irrig.....		1	4	34	Hitchcock...	May	6	1938	2872*
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	9/32	Hitchcock	June	3	1940	3170*
Ground Water	Lichty, Nettie Grable	Republican City	Grable Well	Irrig.	13	1/18	Harlan	Aug.	21	1940	3237*
Ground Water	Kilpatrick Bros. Co.	Beatrice	Kilpatrick Well	Irrig.	5	7/38	Chase	Dec.	9	1940	3345*
Ground Water	Trenchard, J. W.	Cambridge	Trenchard Well	Irrig.	4	3/26	Red Willow	Feb.	17	1941	3393*
Ground Water	Kimberling, Charley C.	Champion	Kimberling Well	Irrig.	20	6/40	Chase	Mar.	11	1941	3412*
Ground Water	Seyler, Clemens G.	Republican City	Seyler Well	Irrig.	15	1/17	Harlan	Oct.	15	1941	3520*
Ground Water	Haskins, Nelie	Republican City	Haskins Well	Irrig.	16	1/17	Harlan	Oct.	21	1941	3521*
Ground Water	Hewitt, Bert	Superior	Hewitt Well	Irrig.	13	1/18	Harlan	Oct.	25	1941	3523*
Ground Water	Shallenberger, Grace	Alma	Shallenberger Well	Irrig.	6	1/18	Harlan	Oct.	29	1941	3528*
Ground Water	Sindt, Henry	Naponee	Henry Sindt Well No. 1	Irrig.	17	2/16	Franklin	May	14	1942	3565*
Ground Water	Chitwood, H. O.		Chitwood Well No. 1	Irrig.	35	2/15	Franklin	June	5	1942	3573*
Ground Water	Pedersen, Henry	Guide Rock	Pedersen Wells 1 & 2	Irrig.	24	2/9	Webster	June	20	1942	3578*
Ground Water	Becker, Bernard	Beaver City	Becker Well	Irrig.	15	2/22	Furnas	Aug.	15	1942	3583*
Ground Water	Kimberling, C. C.	Champion	Kimberling Well No. 2	Irrig.	17	6/40	Chase	Mar.	8	1943	3598*
Ground Water	Miller, L. N.	Imperial	Miller Well	Irrig.	28	7/40	Chase	Mar.	23	1943	3600*
Ground Water	Moody, Elbert, Estate	Wauneta	Moody Well	Irrig.	12	6/36	Chase	July	6	1943	3622*
Ground Water	Mollison, Guy G.	Trenton	Mollison Well	Irrig.	4	2/33	Hitchcock	July	26	1943	3627*
Ground Water	Arnold, Paul E.	Lamar	Arnold Well	Irrig.	18	6/40	Chase	Aug.	31	1943	3636*
Ground Water	Losey, Perry J.	Naponee	Losey Wells 1 & 2	Irrig.	3	1/16	Franklin	Feb.	28	1944	3690*
Ground Water	Hughes, Herbert J.	Lamar	Hughes Well	Irrig.	6	7/40	Chase	Apr.	20	1944	3718*
Ground Water	Krotter, F. C., Estate	Pallsade	Krotter Well No. 3	Irrig.	34	5/34	Hayes	June	14	1944	3731*
Ground Water	Krotter, F. C., Estate	Pallsade	Krotter Well No. 4	Irrig.	36	5/34	Hayes	June	14	1944	3732*
Ground Water	Krotter Bros.	Pallsade	Krotter Wells 5 & 6	Irrig.	23	4/33	Hitchcock	June	14	1944	3733*
Ground Water	Kettle, Geo. A.	Hays Center	Kettle Well	Irrig.	25	4/32	Hitchcock	Sept.	5	1944	3761*
Ground Water	Scott, A. Ray	Holdrege	Scott Well	Irrig.	30	5/33	Hayes	Sept.	5	1944	3762*
Ground Water	Kunnemann, Henry	Imperial	Kunnemann Well	Irrig.	22	8/40	Chase	Jan.	18	1945	3794*
Ground Water	Berry, A. E.	Lamar	Berry Well	Irrig.	1	6/41	Chase	Jan.	22	1945	3796*
Ground Water	Broughton, R. R.	Haigler	Broughton Well	Irrig.	14	5/41	Chase	Jan.	26	1945	3800*
Ground Water	Earl, Warren	Haigler	Earl Well	Irrig.	32	5/40	Chase	Jan.	29	1945	3802*

Stor-only. Land does not have a direct flow appropriation.

† Reservoir capacity alleged by applicant.

* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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	Schultz, C. W.	Lamar	Schultz Well	Irrig.		22	6	41	Chase	Jan.	29	1945	3803*
Ground Water	Elder, Joseph A.	Lamar	Elder Well	Irrig.		30	7	41	Chase	Feb.	13	1945	3809*
Ground Water	McFadden, Esther	Stratton	McFadden Well	Irrig.		18	2	34	Hitchcock	Mar.	2	1946	3877*
Ground Water	Melchert, L. W.	Stratton	Melchert Well	Irrig.		18	2	34	Hitchcock	Aug.	30	1946	3949*
Ground Water	Lytle, Edwin H.	Imperial	Lytle Well	Irrig.		10	7	40	Chase	Oct.	18	1946	3985*
Ground Water	Hall, W. B.	Stratton	Hall Well No. 1	Irrig.		23	2	35	Hitchcock	Oct.	26	1946	3990*
Ground Water	Hall, W. B.	Stratton	Hall Well No. 2	Irrig.		23	2	35	Hitchcock	Oct.	26	1946	3991*
Ground Water	Hall, W. B.	Stratton	Hall Well No. 3	Irrig.		17	2	34	Hitchcock	Oct.	26	1946	3992*
Ground Water	Reutzel, Herman P.	Trenton	Reutzel Well	Irrig.		35	3	33	Hitchcock	Dec.	27	1946	4015*
Ground Water	Pollman, Henry	Stratton	Pollman Well	Irrig.		8	2	35	Hitchcock	Jan.	21	1947	4025*
Ground Water	Boyd, Marvin	Wilsonville	Boyd Well	Irrig.		11	1	26	Red Willow	Mar.	14	1947	4047*
Ground Water	Reagan, Annie K.	Stratton	Reagan Well No. 1	Irrig.		7	2	34	Hitchcock	Mar.	19	1947	4049*
Ground Water	Reagan, Annie K.	Stratton	Reagan Well No. 2	Irrig.		7	2	34	Hitchcock	Mar.	19	1947	4050*
Ground Water	Reagan, Annie K.	Stratton	Reagan Well No. 3	Irrig.		7	2	34	Hitchcock	Mar.	19	1947	4051*
Ground Water	Doyle, Harold	Guide Rock	Doyle Well	Irrig.		25	1	8	Nuckolls	Aug.	2	1947	4090*
Ground Water	Olmstede, George	Guide Rock	Olmstede Wells	Irrig.		16	1	9	Webster	Aug.	4	1947	4091*
Ground Water	Cox, J. K.	Champion	Cox Well	Irrig.		30	6	39	Chase	Sept.	4	1947	4105*
Ground Water	Reed, H. S.	Guide Rock	Reed Well	Irrig.		20	1	8	Nuckolls	Oct.	24	1947	4135*
Ground Water	Reed, Buren	Guide Rock	Reed Well	Irrig.		19	1	8	Nuckolls	Nov.	10	1947	4142*
Ground Water	Forgue, Leon C.	Culbertson	Forgue Well	Irrig.		29	3	31	Hitchcock	Feb.	18	1948	4210*
Ground Water	Keech, Charley W.	Palisade	Keech Well	Irrig.		36	5	34	Hayes	Aug.	5	1948	4318*
Hoffmeister Res.	Hoffmeister, Geo.	Imperial	Hoffmeister Canal	Stor.-only		30	6	38	Chase	Mar.	13	1936	2575
Horse Creek	Pringle, Geo. N.	Parks	Horse Creek Canal	Irrig.	1.86	23	1	39	Dundy	Aug.	31	1885	159 173
#Indian Creek	Brown, Clyde A.	Max	Pump	Irrig.	.83	23	2	36	Dundy	Aug.	23	1944	3758
Indian Creek	Daniels, Elbert E.	Max	Pump	Irrig.	.47	23	2	36	Dundy	Oct.	14	1947	4127

Indian Creek....	Phillips, Daniel, Estate..	Red Cloud....	Pump	Irrig.....	2.21	21	2	11	Webster....	Jan.	9	1926	1791
Indian Creek....	Tupper, B. J.....	Red Cloud....	Pump	Irrig.....	3.87	20	2	11	Webster....	Jan.	19	1926	1792
James Reservoir..	Betts, Mrs. N. O.....	Bloomington..	James Canal.....	Supple. I..	A-2521	28	2	15	Franklin....	Sept.	28	1935	2719
James Reservoir..	Betts, Mrs. M. E.....	Bloomington..	James Canal.....	Stor-only..		28	2	15	Franklin....	Sept.	28	1935	3318
Kara Lake Res...	Anderson, Hugh L.....	Benkelman...	Kara Canal.....	Stor-only..		20	1	39	Dundy.....	Oct.	31	1931	2480
Kilpatrick Res...	Kilpatrick Brothers.....	Beatrice.....	Kilpatrick Res. Canal..	Supple. I..	D-47	30	6	39	Chase.....	June	22	1911	1160
Lueking Reservoir	Lueking, Henry.....	Oxford.....	Lueking Res. Canal....	Stor-only..		3	3	22	Furnas.....	Feb.	28	1940	3929
Lunt Reservoir...	Miller and Anderson.....	Superior.....	Lunt Canal.....	Stor-only..		28	1	6	Nuckolls....	Nov.	19	1930	2201
Mauer Springs...	C. B. & Q. R. R. Co...	Lincoln.....	Burlington Pipe Line...	Dom.....	1.48	23	2	11	Webster....	Nov.	28	1911	1143
Medicine Creek...	Gold Coin Mills.....	Cambridge....	Cambridge Mill.....	Power.....	68.00	29	4	25	Furnas.....	Dec.	31	1878	92-93
Medicine Creek...	Reed, Martha.....	Stockville....	Sanders Canal.....	Irrig.....	.14	27	7	27	Frontier....	Feb.	8	1895	83
Medicine Creek...	Crete Mills.....	Crete.....	Curtis Lake.....	Power.....		32	8	28	Frontier....				364*
Medicine Creek...	Game, Forestation and Parks Commission	Lincoln.....	Wellfleet Lake.....	Resort....	†80A	F16	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 Canal..	Storage...		25	5	26	Frontier....	Jan.	27	1937	2687*
Medicine Creek...	Towne, W. E.....	Maywood.....	Pump	Irrig.....	.59	26	8	29	Frontier....	Feb.	6	1940	3088
Medicine Creek...	Compton, C. H., Mrs...	Cambridge....	Pump	Irrig.....	.67	24	5	26	Frontier....	May	14	1940	3158
Medicine Creek...	Keith, Luther I.....	Orafino.....	Pumps.....	Irrig.....	.70	34	6	26	Frontier....	June	4	1940	3173
						2	5	26	Frontier....	June	4	1940	3173
Medicine Creek...	Towne, W. E.....	Maywood.....	Pump	Irrig.....	.15	26	8	29	Frontier....	July	11	1940	3197
Medicine Creek...	Buker, J. G.....	Stockville....	Pump	Irrig.....	.59	18	6	26	Frontier....	Oct.	8	1940	3285
Medicine Creek...	Bucker, Guy S.....	Stockville....	Pump	Irrig.....	.33	12	6	27	Frontier....	Oct.	9	1940	3287
Medicine Creek...	Schmelzer, Albert.....	Maywood.....	Pump	Irrig.....	.62	8	8	29	Frontier....	Oct.	31	1940	3315

Indian Creek in Dundy County and Indian Creek in Webster County are separate streams.

Supple. 1. Denotes storage water in addition to direct flow.

Stor-only. Land does not have a direct flow appropriation.

* Denotes application pending.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Medicine Creek...	Compton, C. H.....	Cambridge...	Pump.....	Irrig.....	.64	24	5	26	Frontier...	Dec.	10	1940	3350	
Medicine Creek...	Mousel, George A.....	Cambridge...	Pump.....	Irrig.....	1.56	31	5	25	Frontier...	Apr.	5	1943	3604	
Medicine Creek...	Mousel, George A.....	Cambridge...	Pump.....	Irrig.....	.18	1	4	26	Red Willow.	Apr.	20	1943	3608	
Medicine Creek...	Mousel, Robert, Jr.....	Cambridge...	Pumps.....	Irrig.....	.80	25	5	26	Frontier...	June	4	1943	3614	
					.36	5	26	Frontier...	June	4	1943	3614		
Medicine Creek...	Harding, Ernest L.....	Cambridge...	Pump.....	Irrig.....	.38	7	4	25	Furnas....	Aug.	21	1943	3632	
Medicine Creek...	Babcock, Ruth.....	Cambridge...	Pumps.....	Irrig.....	.18	18	4	25	Furnas....	Mar.	22	1944	3701	
Medicine Creek...	Buker, Jay D.....	Curtis.....	Pump.....	Irrig.....	1.03	7	7	27	Frontier...	May	19	1945	3835	
					.18	7	27	Frontier...	May	19	1945	3835		
Medicine Creek...	U. S. of America.....	Denver, Colo.	Medicine Creek Res.....	Storage...	40000	AF	24	5	26	Frontier...	May	1	1946	3900
					.25	5	26	Frontier...	May	1	1946	3900		
Medicine Creek...	Wolf and Staley.....	Bartley.....	Pump.....	Irrig.....	.36	20	6	26	Frontier...	Apr.	28	1947	4070	
Medicine Creek...	Wood, Donald.....	Stockville...	Pump.....	Irrig.....		3	6	27	Frontier...	Feb.	27	1948	4223	
Milrose Creek...	Keester, R. L., Estate.	Alma.....	Pump.....	Irrig.....	.35	9	2	19	Harlan....	Dec.	10	1940	3348	
Milrose Creek...	Kerr, Robert H.....	Alma.....	Pump.....	Irrig.....	.74	8	2	19	Harlan....	June	14	1943	3621	
Muddy Creek...	Larson, Oscar F.....	Arapahoe....	Pump.....	Irrig.....	3.53	17	4	23	Furnas....	Feb.	9	1927	1898	
Muddy Creek...	Patton, Mrs. Ruby.....	Arapahoe....	Pump.....	Irrig.....	.29	15	4	23	Furnas....	Oct.	13	1928	2042	
Muddy Creek...	Stansbie, Jess.....	Cambridge....	Pump.....	Irrig.....	1.26	16	4	23	Furnas....	Feb.	4	1944	3679	
#Muddy Creek...	Tracy, Estella G.....	Max.....	Pump.....	Irrig.....	1.19	2	2	36	Dundy....	Nov.	20	1940	3335	
Muddy Creek...	Nichols, L. F.....	Wauneta....	Pump.....	Irrig.....		21	3	36	Dundy....	July	16	1948	4306	
Ohmstead Res...	Ohmstead, Chris.....	Guide Rock...	Ohmstead Canal.....	Irrig.....		17	1	9	Webster...	Aug.	31	1946	3952	
Paine Reservoir.	Paine, Clyde S.....	Edison.....	Paine Canal.....	Stor-only..		21	4	22	Furnas....	Apr.	18	1940	3478	
Prairie Dog Cr...	Feese, C. A.....	Alma.....	Pump No. 1.....	Irrig.....	.69	24	1	18	Harlan....	Aug.	2	1937	2768	
			Pump No. 2.....	Irrig.....	.44	25	1	18	Harlan....	Aug.	2	1937	2768	

Prairie Dog Cr.	Seyler, Lew.	Alma	Pump	Irrig.	.50	33	1 18	Harlan	Sept.	13	1937	2786
Prairie Dog Cr.	Stolts, Carroll	Republican City	Pump	Irrig.	.39	24	1 18	Harlan	Aug.	2	1939	2946
Prairie Dog Cr.	Kauk, Fred	Alma	Pump	Irrig.	.29	32	1 18	Harlan	Aug.	7	1939	2948
Prairie Dog Cr.	McClerry, Winifred W.	Alma	Pumps	Irrig.	.44	31	1 18	Harlan	Nov.	6	1939	3010
Prairie Dog Cr.	Lethem, John R.	Republican City	Pumps	Irrig.	.33	24	1 18	Harlan	Dec.	12	1939	3046
Prairie Dog Cr.	Kauk, Wm.	Alma	Pump	Irrig.	.19	28	1 18	Harlan	Jan.	19	1940	3078
Prairie Dog Cr.	Stone, Earl D.	Republican City	Pumps	Irrig.	.58	23	1 18	Harlan	Mar.	4	1940	3103
Prairie Dog Cr.	Thompson; Mayma	Alma	Pumps	Irrig.	.31	34	1 18	Harlan	Mar.	4	1940	3104
Prairie Dog Cr.	Beyer, Freda and Waldo, Cartha	Republican City	Pump	Irrig.	.25	23	1 18	Harlan	Sept.	5	1940	3256
Prairie Dog Cr.	Miller, Glenn	Woodruff, Kansas	Pump	Irrig.	.93	35	1 19	Harlan	Oct.	11	1940	3292
Prairie Dog Cr.	Stone, James S.	Alma	Pump	Irrig.	.40	33	1 18	Harlan	Nov.	20	1940	3334
Prairie Dog Cr.	King, Louise, et al.	Kearney	Pump	Irrig.	.84	19	1 17	Harlan	Mar.	6	1941	3411
Prairie Dog Cr.	Kauk, Fred.	Alma	Pump	Irrig.	.22	29	1 18	Harlan	Dec.	12	1939	3047
Tributary to												
Red Willow Cr.	Deines, Frantz, et al.	Friend	Pump	Irrig.	.93	8	3 28	Red Willow	Dec.	5	1910	1042
Red Willow Cr.	Ruggles, Lowell	McCook	Hadley Canal	Irrig.	8.43	36	3 28	Red Willow	Oct.	22	1927	1964
Red Willow Cr.	Fitzgerald, Elmer	Hayes Center	Pump	Irrig.	.57	21	8 32	Hayes	July	27	1934	2447
Red Willow Cr.	Bortner, Wm.	St. Ann	Pump	Irrig.	.57	28	5 30	Frontier	July	21	1939	2938
Red Willow Cr.	Walker, Chas.	St. Ann	Pump	Irrig.	.81	9	6 31	Hayes	Dec.	6	1939	3037
Red Willow Cr.	Quick, Merritt W.	McCook	Pump	Irrig.	.76	31	5 29	Frontier	Jan.	22	1940	3082
Red Willow Cr.	McKillip, A. P.	Hayes Center	Pump	Irrig.	.97	22	6 31	Hayes	Mar.	9	1940	3111
Red Willow Cr.	Bortner, Wm.	St. Ann	Pump	Irrig.	.18	21	5 30	Frontier	Mar.	12	1940	3114
Red Willow Cr.	Hill, Howard W.	Hayes Center	Pump	Irrig.	.23	27	6 31	Hayes	Mar.	28	1940	3124
Red Willow Cr.	Little, H. E.	Culbertson	Pump	Irrig.	.42	2	5 31	Hayes	Sept.	20	1941	3508

Muddy Creek in Furnas County and Muddy Creek in Dundy County are separate streams.
 † Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Red Willow Cr...	Little, Hugh E.	Culbertson...	Pump	Irrig. ....	.26	2	5	31	Hayes	Apr.	30	1943	3609
Red Willow Cr...	Dienes, Frantz C., et al.	Friend	Pump	Irrig. ....	.48	8	3	28	Red Willow	July	12	1943	3623
Red Willow Cr...	Beebe, George	Culbertson...	Pump	Irrig. ....	.59	35	6	31	Hayes	Aug.	16	1943	3631
Republican R.	Consumers P. P. Dist...	Columbus.	Guthrie Canal	Power.	400.00	34	1	7	Nuckolls. ...	Sept.	1	1877	1936
Republican R.	Kirtland, E. S.	Orleans.	Orleans Mill	Power.		27	2	19	Harlan				1043*
Republican R.	Pioneer Irrig. Co.	Haigler.	Haigler Canal	Irrig.	24.39	2	1	43	Yuma, Colo.	Apr.	4	1890	1025
Republican R.	Crews, Lewis E.	Longmont, Colo.	Crews Canal	Irrig.	2.61	21	1	41	Dundy	Apr.	4	1890	1025R
Republican R.	Pioneer Irrig. District...	Haigler.	Haigler Canal	Irrig.	150.00	2	1	43	Yuma, Colo.	Apr.	4	1890	1025
Republican R.	Ferguson and Company	Lincoln.	Meeker Canal	Irrig.	143.00	15	3	31	Hitchcock ..	Dec.	22	1890	4-9 8-7
Republican R.	Delaware-Hickman Ditch Company	Benkelman...	Delaware-Hickman Canal	Irrig.	20.00	17	1	37	Dundy	Jan.	7	1895	157
Republican R.	Pringle, Geo. N.	Parks.	Parks Canal	Irrig.	16.00	20	1	39	Dundy	June	18	1912	1202
Republican R.	Pringle, Geo. N.	Parks.	Parks Canal	Irrig.	2.00	20	1	39	Dundy	Dec.	31	1915	1444
Republican R.	Pringle, Geo. N.	Parks.	Parks Canal	Irrig.	1.14	20	1	39	Dundy	Sept.	5	1919	1555
Republican R.	Crews, L. E.	Haigler.	Crews Canal No. 2 ..	Irrig.	2.59	20	1	41	Dundy	Mar.	29	1923	1709
Republican R.	Fishbach, Geo.	Longmont, Colo.	Pump	Irrig.	1.58	33	2	19	Harlan	Aug.	27	1925	1778
Republican R.	Stevenson, L. E. Estate.	Alma.	Pump	Irrig.	6.34	5	1	13	Harlan	Sept.	30	1925	1781
Republican R.	Haeker, K. G.	Alma.	Pump	Irrig.	4.60	35	2	19	Harlan	Mar.	2	1926	1798
Republican R.	Worden, Dorsey	Superior.	Pump	Irrig.	1.04	32	1	6	Nuckolls. ...	Sept.	23	1926	1862
Republican R.	Runck and Murdoch...	Orleans.	Pumps	Irrig.	3.29	22	3	20	Harlan	Sept.	18	1928	2029
Republican R.	Keifer, J. Warren, Jr...	Bostwick.	Keifer Canal No. 1 ..	Irrig.		27	3	20	Harlan	Sept.	18	1928	2029
Republican R.	Mendell, B. C.	Superior.	Mendell Canal	Irrig.	9.83	21	1	8	Nuckolls. ...	Sept.	22	1930	2167
Republican R.	Fischbach, Geo.	Orleans.	Pump	Irrig.	2.61	35	1	7	Nuckolls. ...	Sept.	7	1932	2283
Republican R.						33	2	19	Harlan	Feb.	15	1933	2304

Republican R.....	Arneson, F. L.....	Red Cloud.....	Pumps	Irrig.....	.23	2	1	12	Webster....	Apr.	17	1933	2318
						5	1	12	Webster....	Apr.	17	1933	2318
Republican R.....	Best, John.....	Oxford.....	Pump	Irrig.....	2.50	36	4	22	Furnas....	Nov.	9	1934	2492
Republican R.....	Fisher, Marshall.....	Edison.....	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	17	Harlan....	Feb.	1	1937	2691*
			Republican River Canal No. 2	Irrig.....		5	1	13	Franklin..	Feb.	1	1937	2691*
			Republican River Canal No. 3	Irrig.....		8	1	9	Webster....	Feb.	1	1937	2691*
Republican R.....	Republican River Public P. and I. District	Bostwick.....	Republican City Reservoir	Storage...		14	1	17	Harlan....	Feb.	1	1937	2692*
Republican R.....	Lang, Alfred E.....	Indianola.....	Pump	Irrig.....	.42	14	3	27	Red Willow.	Feb.	16	1937	2698
Republican R.....	French, J. A.....	Edison.....	Pump	Irrig.....	.39	6	3	21	Furnas....	Feb.	25	1937	2703
Republican R.....	Andrews, Donald.....	Cambridge.....	Pump	Irrig.....	.56	29	4	24	Furnas....	Apr.	29	1938	2867
Republican R.....	Kiehl, W. C., Estate....	Guide Rock...	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.....	Kearney.....	Uplinger Canal.....	Irrig.....	.75	11	1	17	Harlan....	Nov.	15	1939	3019
Republican R.....	Dunn and Chambers....	Inavale.....	Pump	Irrig.....	.36	1	1	16	Franklin..	Jan.	19	1940	3079
Republican R.....	Kahrs and Lieneman....	Franklin.....	Pump	Irrig.....	.78	7	1	15	Franklin..	Jan.	22	1940	3081
Republican R.....	Martin, Morris G., et al.	Hastings.....	Pump	Irrig.....	.18	8	1	11	Webster....	Mar.	13	1940	3116
Republican R.....	Houchin, George.....	Red Cloud.....	Pump	Irrig.....	.07	15	1	9	Webster....	Apr.	5	1940	3131
Republican R.....	Howell, Charles.....	Bloomington..	Pump	Irrig.....	.75	10	1	16	Franklin..	Apr.	15	1940	3134
Republican R.....	Reisher, Noah G.....	Benkelman....	Pump	Irrig.....	1.21	30	1	38	Dundy....	July	29	1940	3221
Republican R.....	Meyer, Ernst.....	Superior.....	Pump	Irrig.....	.87	34	1	7	Nuckolls..	Aug.	26	1940	3240
Republican R.....	Amack, Geo.....	Red Cloud.....	Pump	Irrig.....	.19	7	1	10	Webster....	Aug.	28	1940	3244
Republican R.....	Auld, Jessica C.....	Palo Alto.....	Pump	Irrig.....	1.36	9	1	11	Webster....	Aug.	31	1940	3248
Republican R.....	Butler, Floyd R.....	Superior.....	Pump	Irrig.....	.59	34	1	7	Nuckolls..	Sept.	3	1940	3252
Republican R.....	Tietze, Ernest E., et al.	Fremont.....	Pumps	Irrig.....	.73	28	4	24	Furnas....	Oct.	16	1940	3298
						29	4	24	Furnas....	Oct.	16	1940	3298
Republican R.....	Bach, W. J.....	Riverton.....	Pump No. 1.....	Irrig.....	.47	3	1	14	Franklin..	Jan.	22	1941	3375
Republican R.....	Bach, Mrs. Theo.....	Riverton.....	Pump No. 1.....	Irrig.....	.90	3	1	14	Franklin..	Feb.	6	1941	3384

* Claim not adjudicated, or application pending.

“R” Denotes relocation.

†† Amount affirmed by U. S. Supreme Court: 35.00 second-feet for Nebraska, and 15.00 second-feet for Colorado.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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....	Lang, Alfred E.....	Indianola.....	Pump	Irrig.....	.87	14	3	27	Red Willow.	Feb.	24	1941	3401
Republican R....	McCann, Howard.....	Edison.....	Pump	Irrig.....	.84	35	4	22	Furnas.....	May	2	1941	3438
Republican R....	Butler, Floyd R.....	Superior.....	Pump	Irrig.....	.03	34	1	7	Nuckolls....	May	9	1941	3443
Republican R....	Keifer, Oswin.....	Bostwick.....	Keifer Canal No. 1.....	Irrig.....	2.08	21	1	8	Nuckolls....	Jan.	27	1942	3547
Republican R....	Arneson, F. L.....	Red Cloud.....	Valley Grove Canal.....	Irrig.....	.25	5	1	12	Webster....	Mar.	11	1942	3558
Republican R....	Olson, Wendell.....	Orleans.....	Pump	Irrig.....	1.00	36	3	20	Harlan.....	Aug.	5	1943	3629
Republican R....	North Republican Irrigation District	McCook.....	Lower Haigler Canal.....	Irrig.....		21	1	40	Dundy.....	Jan.			3868b*
Republican R....	North Republican Irrigation District	McCook.....	Benkelman Canal.....	Irrig.....		24	1	38	Dundy.....	Jan.	22	1946	3868e*
Republican R....	Frenchman-Cambridge Irrigation District	McCook.....	Meeker Canal.....	Irrig.....		15	3	31	Hitchcock... Jan.	22	1946	3869b	
Republican R....	Frenchman-Cambridge Irrigation District	McCook.....	North Red Willow Canal.	Irrig.....		16	3	28	Red Willow. Jan.	22	1946	3869c	
Republican R....	Frenchman-Cambridge Irrigation District	McCook.....	South Red Willow Canal.	Irrig.....		16	3	28	Red Willow. Jan.	22	1946	3869d	
Republican R....	Frenchman-Cambridge Irrigation District	McCook.....	Cambridge-Oxford- Orleans Canal	Irrig.....		27	4	25	Furnas..... Jan.	22	1946	3869e	
Republican R....	Frenchman-Cambridge Irrigation District	McCook.....	Meeker Canal.....	Irrig.....		15	3	31	Hitchcock... Apr.	3	1946	3887c	
Republican R....	Peterson, Ben E.....	Orleans.....	Pump.....	Irrig.....	.25	1	2	20	Harlan..... Mar.	3	1947	4042	
Republican R....	Myers, H. Leslie.....	Superior.....	Pump.....	Irrig.....	.31	34	1	7	Nuckolls.... Apr.	11	1947	4066	
Republican R....	Ohmstede, Gerhard.....	Guide Rock.....	Pump.....	Irrig.....	.36	10	1	9	Webster.... June	13	1947	4080	
Republican R....	Nebraska Cement Co.....	Superior.....	Pump.....	Mfg.....	11.50	27	1	7	Nuckolls.... Sept.	10	1947	4109	
Republican R....	Jackson, Marvin W.....	Naponee.....	Pump.....	Irrig.....	.74	11	1	16	Franklin.... Nov.	5	1947	4140	
Republican R....	Crozler, Walter.....	Guide Rock.....	Pump.....	Irrig.....	.15	1	1	9	Webster.... Nov.	14	1947	4143	
Republican R....	U. S. of America.....	Denver.....	Harlan County Reservoir.	Storage...	†350,000	2	1	17	Harlan..... Jan.	26	1948	4190	

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Republican R.	Harris, Lyle A.	Denver	Pump	Irrig.	1.02	10	1	10	Webster	Feb.	7	1948	4205
Republican R.	Bostwick Irrig. District	Red Cloud	Franklin Canal	Irrig.		11	1	17	Harlan	Feb.	26	1948	4216*
Republican R.	Bostwick Irrig. District	Red Cloud	Naponee Canal	Irrig.		14	1	17	Harlan	Feb.	26	1948	4217*
Republican R.	Bostwick Irrig. District	Red Cloud	Red Cloud No. 1 Pump Canal	Irrig.		7	1	12	Webster	Feb.	26	1948	4218*
Republican R.	Bostwick Irrig. District	Red Cloud	Red Cloud No. 2 Pump Canal	Irrig.		2	1	12	Webster	Feb.	26	1948	4219*
Republican R.	Bostwick Irrig. District	Red Cloud	Red Cloud No. 3 Pump Canal	Irrig.		8	1	11	Webster	Feb.	26	1948	4220*
Republican R.	Bostwick Irrig. District	Red Cloud	Superior Canal	Irrig.		7	1	9	Webster	Feb.	26	1948	4221*
Republican R.	Bostwick Irrig. District	Red Cloud	Courtland Canal	Irrig.		7	1	9	Webster	Feb.	26	1948	4222*
Republican R.	Bostwick Irrig. District	Red Cloud	Franklin Canal	Irrig.		5	1	14	Franklin	Feb.	28	1948	4227*
Republican R.	Thompson and Johnston	Guide Rock	Pump No. 1	Irrig.		18	1	8	Nuckolls	Apr.	12	1948	4243
Republican R.	Grant, Ray	Naponee	Pump	Irrig.		16	1	16	Franklin	Apr.	26	1948	4250
Republican R.	Sindt, John	Republican City	Pump	Irrig.		12	1	18	Harlan	Sept.	16	1948	4343
Republican R., Ravine, Trib. to	Lueking, H. L.	Oxford	Lueking Reservoir	Storage	†234AF	3	3	22	Furnas	Feb.	28	1940	3098
Republican R., Ravine, Trib. to	Paine, Clyde S.	Edison	Paine Reservoir	Storage	†420AF	21	4	22	Furnas	Apr.	18	1940	3138
Republican R., Ravine, Trib. to	Crow, Clark	Oxford	Crow Reservoir	Storage	†99AF	19	3	20	Harlan	Nov.	20	1940	3333
Republican R., Ravine, Trib. to	Broeker, Gezena M.	Arapahoe	Broeker Reservoir	Storage	†122AF	4	3	22	Furnas	Dec.	10	1940	3349
Republican R., Ravine, Trib. to	Haeker, Robert	Orleans	Haeker Reservoir	Storage	†105AF	2	1	19	Harlan	Aug.	30	1946	3950
Republican R., Ravine, Trib. to	Ohmstead, Chris	Guide Rock	Ohmstead Reservoir	Storage	†236AF	17	1	9	Webster	Aug.	31	1946	3951
Republican R., Ravine, Trib. to	Gillham, Sarah C.	Red Cloud	Gillham Reservoir	Storage	†100AF	31	2	10	Webster	Nov.	4	1946	4001
Republican R., North Fork	North Republican Irrigation District	McCook	Upper Haigler Canal	Irrig.		13	1	42	Dundy	Jan.	22	1946	3868a*

* Denotes application pending.
† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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., South Fork	McDonald, J. A.....	Benkelman...	McDonald Canal.....	Irrig.....	.79	36	138	Dundy.....	Nov.	13	1901		644
Rock Creek.....	Anderson, Hugh L.....	Benkelman...	Phelan Canal.....	Irrig.....	1.86	17	139	Dundy.....	Dec.	31	1883	138	
Rock Creek.....	Anderson, Hugh L.....	Benkelman...	Kara Lake Reservoir.....	Storage...	†50AF	17	139	Dundy.....	Oct.	31	1931		2246
Rock Creek.....	Game, Forestation and Parks Commission	Lincoln.....	Rock Creek Lake.....	Fish.....	†215AF	6	139	Dundy.....	Feb.	28	1934		2366
Rock Creek.....	North Republican Irrigation District	McCook.....	Rock Creek Canal.....	Irrig.....		21	139	Dundy.....	Jan.	22	1946		3869d*
Rope Creek.....	Bortfeld, Fred E.....	Orleans.....	Pump.....	Irrig.....	.32	25	219	Harlan.....	Dec.	19	1940		3357
Sacramento Cr...	Davidson, Martin E.....	Holdrege.....	Pump.....	Irrig.....	.50	12	518	Phelps.....	June	12	1937		2753
Sappa Creek.....	Zulauf, Geo. W.....	Stamford.....	Stamford Mill.....	Power.....		21	220	Harlan.....				997*	
Sappa Creek.....	Flodine, A. L.....	Stamford.....	Pump.....	Irrig.....	.94	19	220	Harlan.....	Sept.	9	1926		1855
Sappa Creek.....	Johnson, Edw. E.....	Orleans.....	Pump.....	Irrig.....	1.09	24	220	Harlan.....	May	23	1934		2385
Sappa Creek (See Beaver Creek)	Beaver-Sappa Public Power and Irrig. Dist.	Cambridge...	South Sappa Canal.....	Irrig.....		18	122	Furnas.....	Dec.	14	1936		2671b*
Sappa Creek (See Beaver Creek)	Beaver-Sappa Public Power and Irrig. Dist.	Cambridge...	North Sappa Canal.....	Irrig.....		18	122	Furnas.....	Dec.	14	1936		2671b*
Sappa Creek.....	Caffrey, E. F.....	Omaha.....	Pump.....	Irrig.....	.76	22	220	Harlan.....	Aug.	1	1939		2945
Sappa Creek.....	Lubeck, John C.....	Stamford.....	Pump.....	Irrig.....	.46	23	220	Harlan.....	Aug.	14	1939		2951
Sappa Creek.....	Collins, Horace.....	Beaver City...	Pump.....	Irrig.....	.25	30	123	Furnas.....	Feb.	17	1940		3091
Sappa Creek.....	Gerd, Albin, Estate.....	Stamford.....	Pump.....	Irrig.....	.13	35	221	Furnas.....	Feb.	26	1940		3095
Sappa Creek.....	Brown, Floyd T.....	Stamford.....	Pump.....	Irrig.....	.35	9	121	Furnas.....	Mar.	6	1940		3109
Sappa Creek.....	Smith, Otto.....	Stamford.....	Pump.....	Irrig.....	.60	19	220	Harlan.....	May	4	1940		3148
Sappa Creek.....	Burt, Maude T.....	Stamford.....	Pump.....	Irrig.....	1.22	34	221	Furnas.....	Sept.	21	1940		3271

Sappa Creek	Blickenstaff, Bert D.	Stamford	Pump	Irrig.	1.03	21	2	20	Harlan	Nov.	5	1940	3324
Sappa Creek	Lane, Ross T., et al.	Alma	Pump	Irrig.	.58	25	2	21	Furnas	Feb.	10	1942	3550
Sappa Creek	McCarty, J. A.	Beaver City	Pump	Irrig.	.28	10	1	22	Furnas	May	4	1942	3564
Sappa Creek	Stevenson, Guy	Wilsonville	Pump	Irrig.	.06	36	1	24	Furnas	Dec.	23	1943	3667
Sappa Creek	Dake, Clarence L.	Orleans	Pump	Irrig.	.85	24	2	20	Harlan	July	5	1944	3742
Sappa Creek	Francis, Duane	Stamford	Pump	Irrig.	.55	35	2	21	Furnas	Aug.	23	1945	3852
Sappa Creek	Cox, H. A.	Beaver City	Pump	Irrig.	.16	12	1	22	Furnas	Sept.	11	1946	3957
Sappa Creek	Flodine, Forrest	Stamford	Pump	Irrig.	.23	7	1	21	Furnas	July	23	1948	4310
Sappa Creek, Ravine, Trib. to	Gerd, Clarence	Stamford	Gerd Reservoir	Storage	†54AF	34	2	21	Furnas	Feb.	29	1940	3099
Sappa Creek, Ravine, Trib. to	Brown, Floyd T.	Stamford	Brown Reservoir	Storage	†46AF	4	1	21	Furnas	Apr.	29	1941	3433
Sappa Creek, Ravine, Trib. to	Feese, Edna	Hastings	Feese Reservoir	Storage	†17AF	30	2	20	Harlan	Sept.	9	1941	3497
School Creek (See Berger Creek)	Sugrouie, Edward	Indianola	Pump	Irrig.	.32	15	3	27	Red Willow	Aug.	16	1932	2280
#Spring Creek	Twin Lakes Company	Benkelman	Twin Lakes	Resort	†7AF	34	2	38	Dundy	Apr.	16	1930	2133
#Spring Creek	Sindt, Albert	Naponee	Spring Creek Canal	Irrig.	.27	17	2	16	Franklin	Jan.	14	1939	2906
#Spring Creek	Brown, Harold	Orleans	Pump	Irrig.	.45	15	3	20	Harlan	June	9	1943	3617
Spring Creek	Nissen, A. H. and W. J.	Oxford	Pump	Irrig.	.40	21	3	20	Harlan	Aug.	9	1943	3630
Stinking Water Creek	Kilpatrick Brothers	Beatrice	Chase County Land and Live Stock Canal	Irrig.	2.86	10	7	38	Chase	Mar.	10	1894	57
Stinking Water Creek	Crandall and Taylor	Imperial	McLain Canal	Irrig.	2.50	28	7	37	Chase	Sept.	24	1894	65
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

Spring Creek in Dundy, Franklin and Harlan Counties are separate streams.

* Denotes application pending, or claim not adjudicated.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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. 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	Malone, Gale.....	Palisade.....	Pump.....	Irrig.....	.95	15	5	34	Hayes.....	Oct.	5	1939		2981
Stinking Water Creek	Malone, Gale.....	Palisade.....	Pump.....	Irrig.....	.36	15	5	34	Hayes.....	Apr.	15	1940		3138
Stinking Water Creek	Scott and Anderson.....	Holdrege.....	Pump.....	Irrig.....	1.40	25	5	34	Hayes.....	Sept.	28	1943		3656
Thompson Creek.	Zieglers, J. and O.....	Riverton.....	Pump.....	Irrig.....	.73	27	2	13	Franklin....	Jan.	16	1935		2505
Thompson Creek, East Branch	Tupper, W. J.....	Riverton.....	Pump.....	Irrig.....	.15	3	2	13	Franklin....	July	21	1947		4086
Thompson Creek, 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.....	Pump.....	Irrig.....	2.80	31	4	21	Furnas.....	Nov.	30	1926		1876
Turkey Creek....	Rhynalds, Claude.....	Oxford.....	Pump.....	Irrig.....	1.18	5	3	21	Furnas.....	May	30	1927		1934
Turkey Creek....	Wengert, J. H.....	Oxford.....	Pump.....	Irrig.....	.94	4	3	21	Furnas.....	July	9	1927		1938
Turkey Creek....	Blincow, Fred H.....	Oxford.....	Pump.....	Irrig.....	.92	3	3	21	Furnas.....	Sept.	23	1941		3510
#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.....	Pump.....	Irrig.....	1.90	8	1	16	Franklin....	May	27	1927		1933
Turkey Creek....	Post, Walter A.....	Naponee.....	Pump.....	Irrig.....	.79	8	1	16	Franklin....	Aug.	21	1936		2621

Turkey Creek....	Post, Walter A.....	Naponee.....	Pump	Irrig.....	1.11	8	1 16	Franklin....	Aug.	21	1936	2622
Turkey Creek....	Sindt, Karl.....	Naponee.....	Pump No. 1.....	Irrig.....	.26	19	2 16	Franklin....	Dec.	20	1939	3063
Turkey Creek....	Ray, Staque.....	Naponee.....	Pump	Irrig.....	.33	4	1 16	Franklin....	July	25	1940	3216
Valley Home Cr..	Miller and Anderson....	Superior.....	Lunt Reservoir.....	Storage...	†100AF	28	1 6	Nuckolls....	Nov.	19	1930	2176
Van Cleave Res..	Furnas County Commissioners	Beaver City...	Furnas County Commissioners Canal	Stor-only..		7	2 22	Furnas....	May	31	1945	3885
Vining Creek....	Betts, Mrs. N. O.....	Bloomington..	James Canal.....	Irrig.....	.21	28	2 15	Franklin....	Feb.	28	1935	2521
Vining Creek....	Betts, Mrs. N. O.....	Bloomington..	James Reservoir.....	Storage...	†22AF	28	2 15	Franklin....	Sept.	28	1935	2559
Vining Creek....	Betts, Mrs. M. E.....	Franklin.....	James Reservoir.....	Storage...	†13AF	28	2 15	Franklin....	June	25	1946	3920
Wasp Creek.....	Osterbuhr and Hadan...	Franklin.....	Osterbuhr Canal.....	Irrig.....	.18	28	2 14	Franklin....	June	28	1940	3192
Worthman Cr., Ravine, Trib. to	Sindt, Wm.....	Riverton.....	Sindt Reservoir.....	Storage...	†115AF	14	1 14	Franklin....	Oct.	30	1944	3780

Turkey Creek in Furnas County and Turkey Creek in Franklin County are separate streams.

† Reservoir capacity alleged by applicant.

* Claim not adjudicated, or application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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...	Likens, Louis D.....	Fairbury.....	Rural Rehabilitation Project No. 1	Irrig.....	.34	25	2	2E	Jefferson...	Aug.	18	1934		2466
Blue River, Lit...	Consumers P. P. Dist...	Columbus.....	Oak Mill Race.....	Power.....		16	3	5	Nuckolls...				991*	
Blue River, Lit...	Game, Forestation and Parks Commission	Lincoln.....	Crystal Reservoir.....	Storage...	†32A	F27	6	10	Adams.....	Aug.	17	1912		1219
Blue River, Lit...	Lyon, Geo., Jr.....	Nelson.....	Lyon 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...	Consumers P. P. Dist...	Columbus.....	Meyer Plant.....	Power.....	150.00	16	3	5	Nuckolls...	July	27	1916		1467
Blue River, Lit...	Bozarth and Carter.....	Hebron.....	Hebron 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 and Parks Commission	Lincoln.....	Larkins Canal.....	Power.....	1.50	27	6	10	Adams.....	Nov.	29	1920		1594
Blue River, Lit...	Hurlburt, Chas. M., Est.	Fairbury.....	Hurlburt Canal.....	Irrig.....	.20	22	2	2E	Jefferson...	Aug.	7	1922		1685
Blue River, Lit...	Steele, R. B.....	Fairbury.....	Sand-Mining Project.....	Mfg.....		22	2	2E	Jefferson...	Aug.	16	1926		1847*
Blue River, Lit...	Blocker, A. V.....	Roseland.....	Pump.....	Irrig.....	.08	9	5	11	Adams.....	Nov.	1	1926		1869
Blue River, Lit...	Vap, Alois.....	Ludell, Kan.....	Pump.....	Irrig.....	.81	31	5	7	Clay.....	Dec.	8	1926		1878
Blue River, Lit...	Gaudreault, I. S.....	Hastings.....	Pump.....	Irrig.....	.39	26	6	10	Adams.....	Feb.	22	1927		1903
Blue River, Lit...	Anderson, Felix G.....	Ayr.....	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...	Bexten, A. Louis.....	Pauline.....	Pumps.....	Irrig.....	1.60	25	6	10	Adams.....	Mar.	8	1927		1908
						31	6	9	Adams.....	Mar.	8	1927		1908
Blue River, Lit...	Hinrichs, Ernest J.....	Glenvil.....	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.....	Pump.....	Irrig.....	2.19	14	5	11	Adams.....	Jan.	24	1928		1978
Blue River, Lit...	Bergt, Theodore.....	Davenport.....	Pump.....	Irrig.....	1.50	22	3	4	Thayer.....	Apr.	17	1930		2134
Blue River, Lit...	Dutton, K. M. J., Est., Schardt, Harry G.	Oak Park, Ill. Hebron	Pumps.....	Irrig.....	5.24	29	3	3	Thayer.....	Aug.	4	1930		2152
						30	3	3	Thayer.....	Aug.	4	1930		2152

Blue River, Lit.	Jones, E. H.	Fairbury	Pump	Irrig.	1.74	26	2	2E	Jefferson	Sept.	4	1930	2165
Blue River, Lit.	Heinrich, Walter E. and Adolph	Davenport	Pump	Irrig.	2.23	20	3	4	Thayer	Feb.	24	1931	2193
Blue River, Lit.	Nehrig, Henry H.	Davenport	Pump	Irrig.	5.00	26	3	4	Thayer	Mar.	10	1931	2194
Blue River, Lit.	Sanford, Harry K.	Ayr	Pump	Irrig.	.28	4	5	10	Adams	Sept.	22	1931	2238
Blue River, Lit.	Heller, H. H.	Hastings	Pump	Irrig.	.46	27	6	10	Adams	Sept.	30	1931	2241
Blue River, Lit.	Weyenberg, John T.	Hastings	Pumps	Irrig.	1.20	17	5	8	Clay	Oct.	8	1931	2243
Blue River, Lit.	Zweifel, Albert, Estate	Fairbury	Pump	Irrig.	.25	9	2	2E	Jefferson	July	25	1932	2277
Blue River, Lit.	Paus, Geo. H.	Fairfield	Pump	Irrig.	.22	16	5	8	Clay	May	15	1933	2321
Blue River, Lit.	Peters, Cornelius R., Estate	Angus	Pump	Irrig.	.71	27	4	6	Nuckolls	May	31	1934	2389
Blue River, Lit.	Scroggins, John L.	Oak	Pump	Irrig.	1.31	1	3	6	Nuckolls	June	2	1934	2394
Blue River, Lit.	Davis, John H.	Fairfield	Pump	Irrig.	.66	15	5	8	Clay	June	5	1934	2399
Blue River, Lit.	Stokebrand, Wm.	De Witt	Pump	Irrig.	.84	5	2	1	Thayer	Aug.	1	1934	2451
Blue River, Lit.	Johnston, Mrs. Hester	Oak	Pump	Irrig.	1.14	8	3	5	Nuckolls	Aug.	13	1934	2460
Blue River, Lit.	Kasperek, I.	Fairbury	Pump	Irrig.	.54	6	1	3E	Jefferson	Nov.	3	1934	2491
Blue River, Lit.	Rice, Clarence E.	Odell	Pump	Irrig.	.46	36	2	2E	Jefferson	Feb.	1	1935	2511
Blue River, Lit.	Rice, C. E.	Odell	Pump	Irrig.	.54	24	3	1E	Jefferson	Feb.	20	1935	2517
Blue River, Lit.	Lindgren and Bartlett	Edgar	Pumps	Irrig.	.21	19	4	6	Nuckolls	Aug.	7	1935	2553
Blue River, Lit.	Corliss, Albert N.	Hebron	Pump	Irrig.	.93	9	2	2	Thayer	Jan.	25	1937	2682
Blue River, Lit.	Hubbell, C. J.	Deweese	Pump No. 1	Irrig.	.04	32	5	7	Clay	Jan.	30	1937	2689
Blue River, Lit.	Hill, James R.	Deweese	Pump	Irrig.	.33	32	5	7	Clay	Mar.	26	1937	2723
Blue River, Lit.	Sherman, Klen R., et al.	Pauline	Pump No. 2	Irrig.	.51	32	6	9	Adams	May	28	1937	2749
Blue River, Lit.	McKenzie, F. W.	Hebron	Pump	Irrig.	.30	36	3	3	Thayer	Nov.	2	1937	2799
Blue River, Lit.	Rice, Clarence E.	Odell	Powell Reservoir	Storage	†74	AF 24	3	1E	Jefferson	May	10	1940	3153
Blue River, Lit.	Goble, Jay	Ayr	Pump	Irrig.	.20	26	6	10	Adams	July	16	1940	3203
Blue River, Lit.	Lehman, Clyde W.	Lincoln	Pump	Irrig.	.29	18	4	6	Nuckolls	Aug.	31	1940	3247
Blue River, Lit.	Cassell, Mrs. Guy B.	Steele City	Pump	Irrig.	.14	13	1	3E	Jefferson	Apr.	16	1941	3428
Blue River, Lit.	Scroggin, John L., et al.	Oak	Pump	Irrig.	.40	15	3	5	Nuckolls	Oct.	22	1941	3522
Blue River, Lit.	Scroggin, John L., et al.	Oak	Pump No. 2	Irrig.	2.14	7	3	5	Nuckolls	Oct.	27	1941	3524
Blue River, Lit.	Scroggin, John L., et al.	Oak	Pump No. 3	Irrig.	2.51	17	3	5	Nuckolls	Sept.	1	1942	3585
Blue River, Lit.	Harrington, Ralph, Est.	Hastings	Pump	Irrig.	.15	4	5	10	Adams	Jan.	15	1944	3673
Blue River, Lit.	Hinrichs, George	Davenport	Pump	Irrig.		26	3	4	Thayer	Aug.	8	1946	3943*

* Claim not adjudicated, or application pending.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Date of			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Blue River, Lit...	Mefford, Carl.....	Hastings.....	Pump.....	Irrig.....	.28	30	6	9	Adams.....	Sept.	6	1946	3953	
Blue River, Lit...	Gartrell, I. D.....	Clay Center.....	Pump.....	Irrig.....	.30	34	5	7	Clay.....	Sept.	21	1946	3966	
Blue River, Lit...	Jones, A. C.....	Nora.....	Pump.....	Irrig.....	.89	12	4	7	Nuckolls.....	Jan.	29	1947	4028	
Blue River, Lit...	Culligan, Thos. A.....	Alexandria.....	Pump.....	Irrig.....		24	3	1	Thayer.....	Feb.	26	1948	4215	
Blue River, Lit...	Kenner, J. R.....	Hebron.....	Pump.....	Irrig.....		9	2	2	Thayer.....	June	7	1948	4280	
Blue River, Lit...	Lipovsky, Edw. J.....	Fairfield.....	Pump.....	Irrig.....		23	5	8	Clay.....	June	23	1948	4296	
Blue River, Lit. Ravine, Trib. to	Thorne, W. S.....	Bladen.....	Fairacre Reservoir.....	Storage.....	†56A	F	6	4	11	Webster.....	Nov.	15	1946	4005
Crystal Lake Reservoir	Game, Forestation and Parks Commission, et al	Lincoln.....	Crystal Canal.....	Irrig.....		27	6	10	Adams.....	Aug.	17	1912	1526	
Ground Water...	Nisely, Jerome C.....	Edgar.....	Nisely Well.....	Irrig.....		21	5	5	Clay.....	May	19	1942	3569*	
Ground Water...	Thorne, W. S.....	Bladen.....	Thorne Well.....	Irrig.....		6	4	11	Webster.....	Nov.	15	1946	4006*	
Ground Water...	Thorne, W. S.....	Bladen.....	Thorne Well No. 2.....	Irrig.....		7	4	11	Webster.....	Nov.	15	1946	4007*	
Ground Water...	Spady, John.....	Hastings.....	Spady Well.....	Irrig.....		15	5	10	Adams.....	Jan.	15	1947	4023*	
Ground Water...	Brinegar, W. H.....	Carleton.....	Brinegar Well.....	Irrig.....		18	4	3	Thayer.....	Sept.	17	1947	4116*	
Ground Water...	Scroggin, John L., et al	Oak.....	Scroggin Well No. 2.....	Irrig.....		8	3	5	Nuckolls.....	Oct.	4	1947	4118*	
Ground Water...	Scroggin, B. F., Est.....	Oak.....	Scroggin Well No. 1.....	Irrig.....		17	3	5	Nuckolls.....	Oct.	4	1947	4119*	
Ground Water...	Hull, Clay.....	Sedan.....	Hull Well.....	Irrig.....		8	4	5	Nuckolls.....	Dec.	1	1947	4154*	
Ground Water...	Phillipi, Wilhelm F.....	Bruning.....	Phillipi Well.....	Irrig.....		8	4	2	Thayer.....	Jan.	21	1948	4188*	
Ground Water...	Miller, Wm. W.....	Davenport.....	Miller Well.....	Irrig.....		13	4	5	Nuckolls.....	Feb.	6	1948	4204*	
Ground Water...	Galbraith, C. J.....	Fairbury.....	Galbraith Well.....	Irrig.....		15	2	2	E. Jefferson.....	Feb.	25	1948	4213*	
Ground Water...	Merrill, Bruce W.....	Edgar.....	Merrill Well.....	Irrig.....		11	4	6	Nuckolls.....	May	5	1948	4259*	
Ground Water...	Sykes, Arthur.....	Davenport.....	Sykes Well.....	Irrig.....		13	4	5	Nuckolls.....	June	28	1948	4300*	
Ground Water...	McClerry, Daniel K.....	Alma.....	McClerry Well.....	Irrig.....		9	5	9	Adams.....	Aug.	24	1948	4331*	
Ground Water...	Springer, Howard M.....	Edgar.....	Springer Well.....	Irrig.....		23	4	6	Nuckolls.....	Sept.	4	1948	4335*	
Ground Water...	Lee, Wendell G.....	Edgar.....	Lee Well.....	Irrig.....		36	5	6	Clay.....	Sept.	7	1948	4344*	
Ground Water...	Marble, Helen.....	Roseland.....	Marble Well.....	Irrig.....		30	6	11	Adams.....	Sept.	29	1948	4348*	

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
Powell Reservoir	Rice, Clarence E.	Odell	Powell Canal	Stor-only		25	3	1E	Jefferson	May	10	1940	3154
Rose Creek	Wilson, Clyde	Fairbury	Pump	Irrig	1.01	3	1	2E	Jefferson	July	14	1934	2425
Rose Creek	Rice, Clarence E.	Odell	Pump No. 3	Irrig	1.00	7	1	3E	Jefferson	May	10	1940	3152
Rose Creek	Lamb, Bryan G.	Hubbell	Lamb Reservoir	Storage	†SAF	29	1	1	Thayer	May	15	1942	3568
Rose Creek	Lamb, Bryan G.	Hubbell	Pump	Irrig	.26	29	1	1	Thayer	Aug.	18	1944	3754
Rose Creek	Lamb, Bryan G.	Hubbell	Pump No. 2	Irrig	.15	16	1	1	Thayer	Aug.	18	1944	3755
Rose Creek	Conklin, J. E.	Hubbell	Pump	Irrig	.20	16	1	1	Thayer	Mar.	5	1947	4043
Rose Creek	Lamb, Bryan G.	Hubbell	Pump No. 3	Irrig	.23	29	1	1	Thayer	Aug.	25	1947	4101
Sandy Cr., Big	Brinegar, M. A.	Alexandria	Pump	Irrig	.43	6	3	1	Thayer	Apr.	11	1935	2537
Sandy Cr., Big	Joe, Frank	Alexandria	Pump	Irrig	.18	12	3	1	Thayer	Oct.	29	1945	3857
Sandy Cr., Big Springs, Trib. to	Game, Forestation and Parks Commission	Lincoln	Jefferson County Recreation Grounds	Resort	†300AF	16	3	1E	Jefferson	June	14	1940	3179
Spring Branch	Brown, Vinton F., et al.	Hubbell	Pumps	Irrig	.33	16	1	1	Thayer	Oct.	14	1938	2892
						17	1	1	Thayer	Oct.	14	1938	2892
Spring Creek	Alexandria, Roy	Deshler	Pump	Irrig	.51	17	2	3	Thayer	Apr.	9	1941	3426
Spring Creek	Alexander, A. Geo.	Deshler	Pump	Irrig	1.14	17	2	3	Thayer	Oct.	20	1947	4130

† Reservoir capacity alleged by applicant.

* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Anderson Res...	Anderson, Geo. F.....	Stromsburg...	Anderson Canal.....	Supple.I...	A-2862	34	14	2	Polk.....	Jan.	18	1946		3867
Bear Creek.....	Mangus, Jerry T.....	Beatrice.....	Pump.....	Irrig.....	.50	24	4	6E	Gage.....	Jan.	24	1927		1887
Bear Creek.....	State Board of Control..	Lincoln.....	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.....	Pumps.....	Irrig.....	.18	1	10	3	York.....	Sept.	19	1939		2965
						2	10	3	York.....	Sept.	19	1939		2965
Beaver Creek...	Kirkpatrick, W. L.....	York.....	Pump.....	Irrig.....	.34	8	10	2	York.....	Dec.	6	1939		3036
Beaver Creek...	Axtell, J. Earl.....	York.....	Pump.....	Irrig.....	.54	9	10	3	York.....	Sept.	8	1941		3495
Beaver Creek...	Buller, John H.....	Hampton.....	Pump.....	Irrig.....		18	10	5	Hamilton...	May	5	1948		4260
Beaver Creek...	Burnham, Sumner W....	York.....	Pump.....	Irrig.....		7	10	2	York.....	May	18	1948		4268
Beaver Creek...	Hillmer, Chris.....	York.....	Pump.....	Irrig.....		14	10	2	York.....	Sept.	8	1948		4337
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..	Consumers P. P. Dist...	Columbus.....	Milford Mills.....	Power.....	300.00	2	9	3E	Seward.....			1866	1044	
Blue River, Big..	Consumers P. P. Dist...	Columbus.....	Blue Springs Plant.....	Power.....	450.00	17	2	7E	Gage.....			1868	1047	
Blue River, Big..	Consumers P. P. Dist...	Columbus.....	Blue Springs Plant.....	Dredge.....	D-1047	17	2	7E	Gage.....	Nov.	7	1922		1692
Blue River, Big..	Consumers P. P. Dist...	Columbus.....	Blue Springs Plant.....	Dredge.....	D-1047	17	2	7E	Gage.....	Dec.	15	1922		1698
Blue River, Big..	Zwonecheck and Aksamit	Wilber.....	De Witt Mill.....	Power Rs. dam	200.00	19	5	5E	Gage.....	Jan.	1	1875	1046	
						19	5	5E	Gage.....	Jan.	1	1903	1046	
Blue River, Big..	Consumers P. P. Dist...	Columbus.....	Holmesville Plant.....	Power.....	500.00	29	3	7E	Gage.....	Apr.		1882	1021	
Blue River, Big..	Consumers P. P. Dist...	Columbus.....	Holmesville Plant.....	Rs. dam...	D-1021	29	3	7E	Gage.....	May	3	1911		1095
Blue River, Big..	Consumers P. P. Dist...	Columbus.....	Plant No. 1.....	Power.....	200.00	19	9	4E	Seward.....	July	8	1910		1006
Blue River, Big..	Jacobs, E.....	Staplehurst...	Jacobs Plant.....	Power.....	40.00	26	12	2E	Seward.....	Nov.	13	1911		1135
Blue River, Big..	Norris Rural P. P. Dist.	Beatrice.....	Barneston Plant.....	Power.....	500.00	13	1	7E	Gage.....	Feb.	18	1913		1262
Blue River, Big..	Norris Rural P. P. Dist.	Beatrice.....	Barneston Plant.....	Rs. dam...	A-1262	13	1	7E	Gage.....	May	27	1920		1585
Blue River, Big..	Norris Rural P. P. Dist.	Beatrice.....	Barneston Plant.....	Dredge.....	A-1262	13	1	7E	Gage.....	Dec.	17	1925		1788

BUREAU OF IRRIGATION

Blue River, Big.	Mares, Frank.....	Wilber.....	Mares Canal.....	Irrig.....	2.28	2	64E	Saline.....	Aug.	12	1913	1314	
Blue River, Big.	C. B. & Q. R. R. Co....	Lincoln.....	C. B. & Q. Pipe Line...	Dom.....	.50	2	93E	Seward.....	Apr.	30	1914	1366	
Blue River, Big.	C. B. & Q. R. R. Co....	Lincoln.....	Wymore Pipe Line.....	Dom.....	.50	21	27E	Gage.....	Dec.	24	1914	1394	
Blue River, Big.	C. B. & Q. R. R. Co....	Lincoln.....	Seward Pipe Line.....	Dom.....	.50	21	113E	Seward.....	Dec.	24	1914	1395	
Blue River, Big.	Consumers P. P. Dist...	Columbus.....	Plant No. 4.....	Power.....	100.00	32	94E	Seward.....	Aug.	14	1916	1463	
Blue River, Big.	Consumers P. P. Dist...	Columbus.....	Shestak Plant.....	Power.....	200.00	35	74E	Saline.....	Feb.	6	1918	1506	
Blue River, Big.	Consumers P. P. Dist...	Columbus.....	Shestak Plant.....	Dredge.....	A-1506	35	74E	Saline.....	Mar.	30	1925	1761	
Blue River, Big.	Consumers P. P. Dist...	Columbus.....	Plant No. 3.....	Power.....	400.00	2	36E	Gage.....	Oct.	7	1922	1690	
Blue River, Big.	Johnson, Chas. S. F....	Stromsburg.....	Pump.....	Irrig.....	1.29	8	13	2	Polk.....	Mar.	26	1930	2130
Blue River, Big.	Sonderegger Nurseries and Seed House	Beatrice.....	Pump.....	Irrig.....	.43	3	36E	Gage.....	Aug.	29	1930	2164	
Blue River, Big.	Blevins, Mrs. Geo. E....	Shelby.....	Pump.....	Irrig.....	.57	2	13	1	Polk.....	May	19	1934	2384
Blue River, Big.	Cekal, Edward J.....	Beatrice.....	Pump.....	Irrig.....	.41	24	3	6E	Gage.....	July	24	1934	2438
Blue River, Big.	Gruntorad, Louis.....	Seward.....	Pump.....	Irrig.....	.64	20	11	3E	Seward.....	July	24	1934	2440
Blue River, Big.	Quackenbush, A. E.....	Beatrice.....	Pump.....	Irrig.....	.07	3	3	6E	Gage.....	July	25	1934	2441
Blue River, Big.	Olson, Paul A.....	Milford.....	Pump.....	Irrig.....	.64	22	10	3E	Seward.....	Aug.	1	1934	2453
Blue River, Big.	Brinkmeyer, Louis C....	Seward.....	Pump.....	Irrig.....	.58	28	11	3E	Seward.....	Sept.	5	1934	2470
Blue River, Big.	Jorgenson, L.....	Carmel, Calif.	Pump No. 1.....	Irrig.....	1.59	20	13	2E	Butler.....	Sept.	11	1934	2473
Blue River, Big.	Jorgenson, L.....	Carmel, Calif.	Pump No. 2.....	Irrig.....	.74	24	13	1E	Butler.....	Sept.	26	1934	2479
Blue River, Big.	Karpisek, Frank P.....	Ulysses.....	Pump.....	Irrig.....	.61	20	13	2E	Butler.....	Nov.	20	1934	2495
Blue River, Big.	Weston, Margaret.....	Beatrice.....	Pump.....	Irrig.....	1.39	11	4	5E	Gage.....	Apr.	18	1935	2540
Blue River, Big.	Stokebrand, Edwin.....	De Witt.....	Pump.....	Irrig.....	.22	20	5	5E	Gage.....	Oct.	18	1935	2563
Blue River, Big.	Sonderegger Nurseries and Seed House	Beatrice.....	Pump.....	Irrig.....	.50	3	3	6E	Gage.....	Oct.	25	1935	2565
Blue River, Big.	Miller, A. W.....	Pickrell.....	Pump.....	Irrig.....	.15	2	4	5E	Gage.....	July	29	1936	2601
Blue River, Big.	Morrill, Arthur D., et al.	Stromsburg.....	Pumps.....	Irrig.....	.42	13	13	3	Polk.....	Aug.	28	1936	2629
						7	13	2	Polk.....	Aug.	28	1936	2629
Blue River, Big.	Mares, Ed. J., et al....	Wilber.....	Pump.....	Irrig.....	.05	14	6	4E	Saline.....	Sept.	9	1936	2636
Blue River, Big.	Sheppard, Daisy E.....	Shelby.....	Pump.....	Irrig.....	.93	7	13	1E	Butler.....	Nov.	19	1936	2662
Blue River, Big.	Hronik, James.....	Wilber.....	Pump.....	Irrig.....	.70	35	7	4E	Saline.....	Dec.	26	1936	2677
Blue River, Big.	Buck, C. W.....	De Witt.....	Pump.....	Irrig.....	.49	13	5	4E	Saline.....	Mar.	27	1937	2725

Supple. 1. Denotes storage water in addition to direct flow.

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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..	Rathbun, Henry L.....	De Witt.....	Pump.....	Irrig.....	1.00	18	5	5E	Gage.....	Apr.	28	1937	2737
Blue River, Big..	Birky, L. W.....	Milford.....	Pump.....	Irrig.....	.34	15	10	3E	Seward.....	July	7	1937	2759
Blue River, Big..	Imig, Edw. P., et al.....	Seward.....	Pump No. 2.....	Irrig.....	.53	20	11	3E	Seward.....	July	27	1937	2766
Blue River, Big..	Kruse, Henry H.....	Seward.....	Pump.....	Irrig.....	.65	20	11	3E	Seward.....	Aug.	24	1937	2776
Blue River, Big..	Novak, Emma B.....	Crete.....	Pump.....	Irrig.....	.33	10	7	4E	Saline.....	Sept.	16	1937	2788
Blue River, Big..	Gruntorad, Louis E.....	Seward.....	Pump.....	Irrig.....	.97	18	11	3E	Seward.....	Dec.	20	1937	2816
Blue River, Big..	Dunker, J. H. C., Est.....	David City.....	Pump.....	Irrig.....	.07	14	13	1E	Butler.....	Jan.	6	1938	2822
Blue River, Big..	Anderson, Geo. F.....	Stromsburg.....	Pump.....	Irrig.....	.99	3	13	2	Polk.....	Apr.	18	1938	2862
Blue River, Big..	Heumann, Henry.....	Seward.....	Pump.....	Irrig.....	.14	34	11	3E	Seward.....	June	9	1939	2928
Blue River, Big..	Sonderegger Nurseries and Seed House	Beatrice.....	Pump.....	Irrig.....	.20	3	3	6E	Gage.....	June	23	1939	2932
Blue River, Big..	Davis, D. D.....	David City.....	Pump.....	Irrig.....	.21	15	13	1E	Butler.....	Aug.	18	1939	2953
Blue River, Big..	Dunn, Mrs. Alice.....	De Witt.....	Pump.....	Irrig.....	.58	12	5	4E	Saline.....	Sept.	11	1939	2962
Blue River, Big..	Tichy, Robert, Sr.....	Wilber.....	Pump No. 2.....	Irrig.....	.26	14	6	4E	Saline.....	Sept.	23	1939	2971
Blue River, Big..	Tichy, Robert, Sr.....	Wilber.....	Pump No. 1.....	Irrig.....	.38	35	6	4E	Saline.....	Sept.	23	1939	2972
Blue River, Big..	Reynolds, Charles.....	Milford.....	Pump.....	Irrig.....	1.34	10	10	3E	Seward.....	Oct.	18	1939	2992
Blue River, Big..	Ramsey, Roland, et al.....	Seward.....	Pump.....	Irrig.....	.68	28	11	3E	Seward.....	Oct.	26	1939	2999
Blue River, Big..	Keller, William.....	Crete.....	Pump.....	Irrig.....	.24	4	8	4E	Saline.....	Nov.	7	1939	3011
Blue River, Big..	Cooper, R. Matilda.....	Milford.....	Pump.....	Irrig.....	.34	13	9	3E	Seward.....	Nov.	9	1939	3014
Blue River, Big..	Atherton, W. Dee.....	Beatrice.....	Pump.....	Irrig.....	.09	7	3	7E	Gage.....	Apr.	24	1940	3142
Blue River, Big..	Kracke, Ben.....	Clatonia.....	Pump.....	Irrig.....	.63	20	5	5E	Gage.....	June	24	1940	3188
Blue River, Big..	Quackenbush, Wm.....	De Witt.....	Pump.....	Irrig.....	.76	33	5	5E	Gage.....	July	22	1940	3206
Blue River, Big..	Buss, G. J.....	Beatrice.....	Pump.....	Irrig.....	.24	18	4	6E	Gage.....	July	22	1940	3207
Blue River, Big..	Schuerman, Mary.....	De Witt.....	Pump.....	Irrig.....	.64	12	5	4E	Saline.....	July	24	1940	3214
Blue River, Big..	Mayland, Mrs. Chas. H.....	Staplehurst.....	Pump No. 1.....	Irrig.....	.47	26	12	2E	Seward.....	July	30	1940	3222
Blue River, Big..	Janecek, Mrs. Josephine.....	Wilber.....	Pumps.....	Irrig.....	.68	10	6	4E	Saline.....	Aug.	6	1940	3225
Blue River, Big..	Sack, Jacob.....	Crete.....	Pump.....	Irrig.....	1.13	9	8	4E	Saline.....	Aug.	13	1940	3230
Blue River, Big..	Weber, Wm.....	Beatrice.....	Pump.....	Irrig.....	.29	13	4	5E	Gage.....	Aug.	26	1940	3241

REPORT OF THE STATE ENGINEER

Blue River, Big.	Weber, Don.	Beatrice.	Pump	Irrig.	.62	12	4	5E	Gage	Aug.	26	1940	3241R
Blue River, Big.	Roehrkaase, Wm.	Seward.	Pump	Irrig.	.32	28	11	3E	Seward	Aug.	29	1940	3245
Blue River, Big.	Coffin, Pearle.	Shelby.	Coffin Reservoir.	Storage.	†8AF	3	13	1	Polk	Sept.	3	1940	3251
Blue River, Big.	Anderson, George F.	Stromsburg.	Anderson Reservoir.	Storage.	†13AF	34	14	2	Polk	Jan.	9	1941	3365
(See A-3866)													
Blue River, Big.	Village of Surprise.	Surprise.	Surprise Reservoir.	Storage.		15	13	1	Butler	Oct.	13	1941	3519*
Blue River, Big.	Boswell and Calvert.	Lincoln.	Pump	Irrig.	.73	35	10	3E	Seward	Oct.	27	1942	3589
Blue River, Big.	Reimer, William.	Beatrice.	Pump	Irrig.	.16	19	4	6E	Gage	May	10	1943	3612
Blue River, Big.	Rice, C. E.	Odell.	Pump	Irrig.	.70	12	1	7E	Gage	July	24	1943	3626
Blue River, Big.	Anderson, Geo. F.	Stromsburg.	Anderson Reservoir.	Storage.	†44.4AF	34	14	2	Polk	Jan.	18	1946	3866
(See A-3365)													
Blue River, Big.	Chaloupka, Leonard.	Wilber.	Pump	Irrig.	.89	10	6	4E	Saline	June	20	1946	3919
Blue River, Big.	Sedlak, Joseph.	Shelby.	Pump	Irrig.	.22	34	14	1	Polk	Feb.	21	1947	4041
Blue River, Big.	Strong, M. D.	Stromsburg.	Pump	Irrig.	.71	3	13	2	Polk	Aug.	11	1947	4093
Blue River, Big.	Strong, M. D.	Stromsburg.	Strong Reservoir.	Storage.	†10AF	3	13	2	Polk	Aug.	11	1947	4094
Blue River, Big.	Grasmick, John, Jr.	Lincoln.	Pump	Irrig.	2.00	26	10	3E	Seward	Oct.	7	1947	4121
Blue River, Big.	Olson, Paul A.	Milford.	Pump	Irrig.	.18	22	10	3E	Seward	Nov.	19	1947	4152
Blue River, Big.	Allington, F. D.	Big Springs.	Pump	Irrig.	.50	26	1	7E	Gage	Jan.	30	1948	4193
Blue River, Big.	Mains, Mark H.	Beatrice.	Pump	Irrig.	.09	27	3	7E	Gage	Feb.	4	1948	4200
Blue River, Big.	Wehrs, Edward.	Milford.	Pump	Irrig.		26	10	3E	Seward	June	8	1948	4283
Blue River, Big.	Pence, B. E.	Holmsville.	Pumps	Irrig.		32	3	7E	Gage	June	29	1948	4301
Blue River, Big.	Aegerter, Mervin F.	Seward.	Pump	Irrig.		8	11	3E	Seward	July	30	1948	4316
Blue River, Big	Andrews, W. E.	Beatrice.	Pump	Irrig.	.20	10	3	6E	Gage	Apr.	3	1931	2196
Tributary to													
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus.	Plant No. 2.	Power.	100.00	32	8	3E	Seward	Jan.	3	1912	1153
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus.	Plant No. 2.	Rs. dam.	A-1153	32	9	3E	Seward	Aug.	21	1918	1520
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus.	Plant No. 3.	Power.	100.00	5	8	4E	Saline	Mar.	13	1913	1265
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus.	Plant No. 3.	Rs. dam.	A-1265	5	8	4E	Saline	Aug.	21	1918	1521
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus.	Plant No. 3.	Rs. dam.	A-1265	5	8	4E	Saline	Dec.	28	1920	1599
Blue R., Big, W. F.	Garbe, Mrs. Albert.	Grafton.	Blue Park Dam.	Power.	66.00	1	8	4	Fillmore	Aug.	4	1917	1494
& School Creek													

*'R' Denotes relocation.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	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 R., Big, W. F.	Consumers P. P. Dist...	Columbus....	Bow Span Plant.....	Power....	100.00	26	9	2E	Seward.....	Dec.	17	1920	1595
Blue R., Big, W. F.	Consumers P. P. Dist...	Columbus....	Big Bend Plant.....	Power....	100.00	11	8	3E	Saline.....	Dec.	17	1920	1596
Blue R., Big, W. F.	Nelson, Louie E.....	Inland.....	Pump.....	Irrig.....	.48	27	8	8	Clay.....	Feb.	11	1927	1899
Blue R., Big, W. F.	Warren, Herbert F.....	Trumbull....	Pump.....	Irrig.....	.16	13	8	9	Adams....	Nov.	26	1927	1971
Blue R., Big, W. F.	Lord, R. F.....	McCool Jct....	Pump.....	Irrig.....	.42	18	9	2	York.....	Oct.	19	1928	2048
Blue R., Big, W. F.	Korgan, Herman.....	Hastings....	Pump.....	Irrig.....	1.90	4	7	9	Adams....	Apr.	4	1929	2076
Blue R., Big, W. F.	Muirhead, Wm. C.....	Bradshaw....	Muirhead Canal.....	Irrig.....	.93	30	9	5	Hamilton..	Sept.	13	1929	2103
Blue R., Big, W. F.	Lord, R. F.....	McCool Jct....	Pump.....	Irrig.....	.82	18	9	2	York.....	Mar.	16	1934	2368
Blue R., Big, W. F.	Schmidt, Otto.....	Fairmont....	Pump.....	Irrig.....	.43	3	8	3	Fillmore..	July	14	1934	2426
Blue R., Big, W. F.	Casteel, Lonie E.....	Crete.....	Pump.....	Irrig.....	1.43	5	8	4E	Saline.....	July	18	1934	2429
Blue R., Big, W. F.	Nave, C. D.....	Crete.....	Pump.....	Irrig.....	.39	5	8	4E	Saline.....	July	18	1934	2430
Blue R., Big, W. F.	Johnson, Arthur F.....	Dorchester..	Pump.....	Irrig.....	.37	32	9	3E	Seward.....	July	23	1934	2435
Blue R., Big, W. F.	Mohlman, James A.....	Hastings....	Pump.....	Irrig.....	.56	25	8	9	Adams....	Aug.	9	1934	2458
Blue R., Big, W. F.	Rehor, Clara W.....	Beaver Crossing	Pump.....	Irrig.....	.41	3	9	1E	Seward.....	Apr.	30	1935	2543
Blue R., Big, W. F.	Steffegen, Mrs. Marie.....	Grafton.....	Pump.....	Irrig.....	.08	8	8	3	Fillmore..	June	15	1936	2581
Blue R., Big, W. F.	Morford, J. C.....	Beaver Crossing	Pump.....	Irrig.....	.29	18	9	2E	Seward.....	July	21	1936	2593
Blue R., Big, W. F.	Gilmore, Oden S.....	York.....	Pump.....	Irrig.....	.43	7	9	1	York.....	July	27	1936	2600
Blue R., Big, W. F.	Kaliff, R. L.....	York.....	Pumps.....	Irrig.....	1.10	25	9	3	York.....	Aug.	15	1936	2614
						36	9	3	York.....	Aug.	15	1936	2614
Blue R., Big, W. F.	Semler, Emil F.....	Seward.....	Pump.....	Irrig.....	.25	32	9	3E	Seward.....	Aug.	27	1936	2626
Blue R., Big, W. F.	Franz, George G.....	Henderson....	Pump.....	Irrig.....	.12	19	9	4	York.....	Oct.	24	1936	2649
Blue R., Big, W. F.	Sandy, Dorothy E.....	Baxter, Iowa.	Pump.....	Irrig.....	.11	15	9	2	York.....	Nov.	2	1936	2650
Blue R., Big, W. F.	Ittner, Edna.....	York.....	Pump.....	Irrig.....	.71	19	9	2	York.....	Feb.	6	1937	2695
Blue R., Big, W. F.	Miller, Clifford E.....	Omaha.....	Pump.....	Irrig.....	.97	27	9	4	York.....	Apr.	17	1937	2732
Blue R., Big, W. F.	Miller, Sam.....	Dorchester..	Pump.....	Irrig.....	.35	3	8	3E	Saline.....	July	6	1937	2758

Blue R., Big, W. F.	Gerd, Alvin J.	Beaver Crossing	Pump.	Irrig.	.86	1	9	1	York.	Aug.	19	1937	2775
Blue R., Big, W. F.	Dereemer, Wm. G.	Beaver Crossing	Pump.	Irrig.	.37	31	10	1E	Seward.	Sept.	10	1937	2783
Blue R., Big, W. F.	Simmons, Robert G.	Lincoln.	Pump.	Irrig.	.31	16	9	2E	Seward.	Sept.	11	1937	2784
Blue R., Big, W. F.	Baller, Albert L.	York.	Pump.	Irrig.	1.04	7	9	1	York.	Nov.	1	1938	2894
Blue R., Big, W. F.	Sack, Dean.	York.	Miller Plant.	Power.	28.00	10	9	2	York.	Aug.	31	1939	2955
Blue R., Big, W. F.	Harrington, Wayne W.	York.	Pump.	Irrig.	.99	9	9	1	York.	Nov.	1	1939	3003
Blue R., Big, W. F.	Buller, Cornelius P.	Fairmont.	Pump.	Irrig.	.20	36	9	4	York.	Nov.	14	1939	3017
Blue R., Big, W. F.	Brochi, C. A.	Grafton.	Pump.	Irrig.	.29	35	9	4	York.	Dec.	23	1939	3066
Blue R., Big, W. F.	Novak, Joe H.	Fairmont.	Pump.	Irrig.	.24	2	8	3	Fillmore.	Jan.	24	1940	3085
Blue R., Big, W. F.	Bors, Joe, Jr. and McGowan, James A.	McCool Jct.	Pump.	Irrig.	.84	36	9	3	York.	Apr.	12	1940	3133
Blue R., Big, W. F.	Phelps, Guy J.	Exeter.	Pump.	Irrig.	.44	9	9	1	York.	May	14	1940	3159
Blue R., Big, W. F.	Steenburg, Donald B.	Aurora.	Pump.	Irrig.	.18	26	9	5	Hamilton.	July	5	1940	3194
Blue R., Big, W. F.	Kubicek, Ralph.	Waco.	Pump.	Irrig.	.37	2	9	1	York.	July	15	1940	3199
Blue R., Big, W. F.	Madison, M.	Seward.	Pump.	Irrig.	.31	17	9	2E	Seward.	Aug.	7	1940	3226
Blue R., Big, W. F.	Cast, Robert.	Beaver Crossing	Pump.	Irrig.	.38	17	9	2E	Seward.	Aug.	23	1940	3238
Blue R., Big, W. F.	Farney and Work.	Aurora.	Pump.	Irrig.	.10	33	9	6	Hamilton.	Aug.	27	1940	3242
Blue R., Big, W. F.	Bors, Victor E.	McCool Jct.	Pump.	Irrig.	.23	36	9	3	York.	Sept.	4	1940	3254
Blue R., Big, W. F.	Simmons, Robert G.	Lincoln.	Pump No. 2.	Irrig.	.27	16	9	2E	Seward.	Sept.	24	1940	3273
Blue R., Big, W. F.	Janda, Gust.	McCool Jct.	Pump.	Power.	.15	35	9	3	York.	Sept.	28	1940	3277
Blue R., Big, W. F.	O'Connor, P. J., et al.	Fairmont.	Pump.	Irrig.	.10	8	8	3	Fillmore.	Oct.	19	1940	3300
Blue R., Big, W. F.	Lauber, Herbert E.	Geneva.	Pump.	Irrig.	.66	9	8	3	Fillmore.	Apr.	21	1941	3432
Blue R., Big, W. F.	Cast, Robert.	Beaver Crossing	Pump.	Irrig.	.39	17	9	2E	Seward.	Apr.	30	1941	3436
Blue R., Big, W. F.	Gocke, H. F.	Waco.	Pump.	Irrig.	.59	3	9	1	York.	Aug.	9	1941	3484
Blue R., Big, W. F.	Cranston, Harlan.	Stockham.	Pump.	Irrig.	.21	25	9	6	Hamilton.	Dec.	4	1942	3590
Blue R., Big, W. F.	Lauber, Herbert E.	Geneva.	Pump.	Irrig.	.92	9	8	3	Fillmore.	May	1	1943	3610
Blue R., Big, W. F.	Miller, Sam.	Dorchester.	Pump.	Irrig.	.39	3	8	3E	Saline.	Aug.	3	1943	3628
Blue R., Big, W. F.	Bors, Joe, Jr.	McCool Jct.	Pump.	Irrig.	.09	36	9	3	York.	Apr.	19	1944	3715

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Blue R., Big, W. F.	Deremer, Wm. G.	Beaver Crossing	Pump	Irrig. ....	.06	31	10	1E	Seward	Aug.	9	1944	3749
Blue R., Big, W. F.	Bergstrand, Harry.	Fairmont	Pump	Irrig. ....	.41	8	8	3	Fillmore	Mar.	21	1945	3816
Blue R., Big, W. F.	Harvey, Harry E.	Lincoln	Pump	Irrig. ....	.96	22	9	2E	Seward	May	15	1945	3833
Blue R., Big, W. F.	Laukota, James.	Friend	Pump	Irrig. ....	.21	35	9	4	York	July	23	1945	3847
Blue R., Big, W. F.	Clark, W. C., Estate.	Dorchester	Pump	Irrig. ....	.35	3	8	3E	Saline	Apr.	17	1946	3893
Blue R., Big, W. F.	Borchers, Henry, et al.	Henderson	Pump	Irrig. ....	.49	25	9	5	Hamilton	Aug.	7	1946	3942
Blue R., Big, W. F.	Komarek, J. G.	Hastings	Pump	Irrig. ....	.66	27	9	5	Hamilton	Nov.	14	1947	4146
Blue R., Big, W. F.	Hanthorn, Lindell L.	Huskerville	Pump	Irrig. ....	.44	28	9	4	York	Nov.	24	1947	4153
Blue R., Big, W. F.	Labort, Otis	Lushton	Pump	Irrig. ....	.28	9	4	York	Apr.	30	1948	4252	
Blue R., Big, W. F.	Burkey, William	Milford	Pump	Irrig. ....	.25	9	2E	Seward	May	11	1948	4263	
Blue R., Big, W. F.	Williams, L. W.	McCool Jct.	Pump	Irrig.		8	9	2	York	May	24	1948	4272
Blue R., Big, W. F.	Dickson, Lloyd	Fairmont	Pump	Irrig.		6	8	3	Fillmore	June	1	1948	4275
Blue R., Big, W. F.	Peterson, Emil	Waco	Pump	Irrig.		10	9	1	York	June	16	1948	4289
Blue R., Big, W. F.	Schaare, Hertha	Crete	Pump	Irrig. ....	.16	10	8	3E	Saline	Sept.	25	1939	2975
Trib. to													
Blue R., Big, S. F.	Smith, Richard A., et al	Geneva	Pump	Irrig. ....	.08	1	8	4	Fillmore	Oct.	11	1941	3518
Cub Creek	Keuten, Diedrich	Jansen	Pump	Irrig. ....	.20	8	3	4E	Jefferson	Nov.	4	1940	3322
Cub Creek	Von Riesen, Catherine	Beatrice	Pump	Irrig. ....	.74	23	4	5E	Gage	Mar.	29	1944	3704
Ground Water	Holm, Chris	Hampton	Holm Well	Irrig.		4	10	5	Hamilton	Dec.	3	1940	3340*
Ground Water	Holm, Chris	Hampton	Holm Well	Irrig.		4	10	5	Hamilton	Feb.	24	1944	3689*
Ground Water	Heinzman, Scott E.	Phillips	Heinzman Well	Irrig.		33	11	8	Hamilton	Feb.	29	1944	3691*
Ground Water	Weber, Paul A.	Phillips	Weber Well	Irrig.		2	10	8	Hamilton	Mar.	2	1944	3692*
Ground Water	McKelvie Brothers Co.	Aurora	McKelvie Brothers Well	Irrig.		31	10	6	Hamilton	Mar.	6	1944	3695*
Ground Water	Eskildsen, Hans M.	Hampton	Eskildsen Well	Irrig.		21	11	5	Hamilton	Mar.	15	1944	3698*
Ground Water	Schumacher, J., Estate	Hampton	Peterson Well	Irrig.		28	11	5	Hamilton	Mar.	15	1944	3699*

REPORT OF THE STATE ENGINEER

Ground Water...	Thieszen, Daniel.....	Henderson.....	Thieszen Well.....	Irrig.....	35	10	5	Hamilton...	Mar.	31	1944	3705*
Ground Water...	Barnesberger, Carl G....	Hampton.....	Barnesberger Well.....	Irrig.....	2	10	5	Hamilton...	Apr.	3	1944	3707*
Ground Water...	Purdy, Alvin.....	Phillips.....	Purdy Well.....	Irrig.....	19	11	7	Hamilton...	Apr.	11	1944	3710*
Ground Water...	Huenefeld, C. H.....	Aurora.....	Huenefeld Well.....	Irrig.....	25	10	7	Hamilton...	Apr.	17	1944	3713*
Ground Water...	Byers, Chas. E., et al...	Aurora.....	Byers Well.....	Irrig.....	31	11	6	Hamilton...	Apr.	29	1944	3720*
Ground Water...	Otto, Harvey E. and Son	Phillips.....	Otto Well.....	Irrig.....	11	10	8	Hamilton...	Dec.	12	1944	3787*
Ground Water...	Stuhr, Walter H.....	York.....	Stuhr Well No. 1.....	Irrig.....	29	12	2	York.....	Mar.	31	1945	3820*
Ground Water...	Hansen, C. C.....	Aurora.....	Hansen Well.....	Irrig.....	15	11	6	Hamilton...	Apr.	16	1945	3827*
Ground Water...	Miller, Edna M., et al.	Dorchester...	Miller Well.....	Irrig.....	17	8	3E	Saline.....	May	7	1945	3830*
Ground Water...	Klute, Gerhardt W.....	Hampton.....	Klute Well.....	Irrig.....	27	11	5	Hamilton...	July	27	1945	3850*
Ground Water...	Daehlig, Ernest.....	Staplehurst...	Daehling Well.....	Irrig.....	33	12	2E	Seward.....	Apr.	4	1946	3888*
Ground Water...	Scott, Robert A.....	Phillips.....	Scott Well.....	Irrig.....	28	11	8	Hamilton...	May	14	1946	3907*
Ground Water...	Harman, Cleo.....	Trumbull.....	Harman Well No. 1.....	Irrig.....	12	8	9	Adams.....	Oct.	3	1946	3972*
Ground Water...	Harman, Cleo.....	Trumbull.....	Harman Well No. 2.....	Irrig.....	11	8	9	Adams.....	Oct.	3	1946	3973*
Ground Water...	Harman, Cleo.....	Trumbull.....	Harman Well No. 3.....	Irrig.....	14	8	9	Adams.....	Oct.	3	1946	3974*
Ground Water...	Harrington, Wayne W...	York.....	Harrington Well.....	Irrig.....	13	12	4	York.....	Nov.	1	1946	3996*
Ground Water...	Harrington, Eunice.....	York.....	Harrington Well.....	Irrig.....	9	9	1	York.....	Nov.	1	1946	3997*
Ground Water...	Harrington, Eunice.....	York.....	Harrington Well No. 3...	Irrig.....	9	9	1	York.....	Nov.	1	1946	3998*
Ground Water...	Andelt, Ed., Sr.....	Crete.....	Andelt Well.....	Irrig.....	24	8	3	Saline.....	Mar.	19	1947	4048*
Ground Water...	Ellis, Ford A.....	Dorchester...	Ellis Well.....	Irrig.....	20	8	3E	Saline.....	Apr.	9	1947	4065*
Ground Water...	Haas, Chas.....	Dorchester...	Haas Well.....	Irrig.....	27	8	2E	Saline.....	May	22	1947	4077*
Ground Water...	Warren, Harley.....	Giltner.....	Warren Well.....	Irrig.....	33	10	6	Hamilton...	June	3	1947	4078*
Ground Water...	Rinderspacher, Otto K...	Hastings.....	Rinderspacher Well.....	Irrig.....	8	7	8	Clay.....	June	16	1947	4082*
Ground Water...	Goudy, Paul.....	Stromsburg...	Goudy Well.....	Irrig.....	14	12	2	York.....	Dec.	19	1947	4161*
Ground Water...	Heinzman, S. E.....	Phillips.....	Heinzman Wells.....	Irrig.....	28	11	8	Hamilton...	Dec.	29	1947	4163*
					33	11	8	Hamilton...	Dec.	29	1947	4163*
Ground Water...	Erickson Bros.....	Stromsburg...	Erickson Bros. Well.....	Irrig.....	6	13	2	Polk.....	Jan.	8	1948	4171*
Ground Water...	Plucknett, W. H.....	De Witt.....	Plucknett Well.....	Irrig.....	4	4	5E	Gage.....	Feb.	3	1948	4199*
Ground Water...	Nickolous, Harlan.....	Stockham.....	Nickolous Well.....	Irrig.....	21	9	5	Hamilton...	Apr.	6	1948	4240*
Ground Water...	Fenster, Raymond.....	Bradshaw.....	Fenster Well.....	Irrig.....	33	11	4	York.....	Apr.	30	1948	4253*
Ground Water...	Luethji, Dale.....	Bradshaw.....	Luethji Well.....	Irrig.....	33	11	4	York.....	Apr.	30	1948	4254*
Ground Water...	Richters, Elmer H.....	Stromsburg...	Richters Well No. 1.....	Irrig.....	3	12	3	York.....	May	22	1948	4269*
Ground Water...	Richters, Elmer H.....	Stromsburg...	Richters Well No. 2.....	Irrig.....	30	13	3	Polk.....	May	22	1948	4270*

* Denotes application pending.

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Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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...	Strong, Earl L.....	Trumbull.....	Strongs Well.....	Irrig.....		2	8	8	Clay.....	June	15	1948		4287*
Ground Water...	Adams, Charles F.....	Aurora.....	Adams Well.....	Irrig.....		35	10	8	Hamilton.....	June	26	1948		4299*
Ground Water...	Schulz, Daniel F.....	Beaver Crossing	Schulz Well.....	Irrig.....		24	10	1E	Seward.....	July	29	1948		4315*
Ground Water...	Griess, August.....	Sutton.....	Griess Well.....	Irrig.....		32	9	4	York.....	Aug.	13	1948		4326*
Ground Water...	Overturf, Max.....	Edgar.....	Overturf Well.....	Irrig.....		18	6	5	Clay.....	Aug.	16	1948		4327*
Ground Water...	Rinderspacher, Otto K...	Hastings.....	Rinderspacher Well.....	Irrig.....		20	8	9	Adams.....	Aug.	31	1948		4334*
Ground Water...	Carlson, Nettie.....	Poik.....	Carlson Well.....	Irrig.....		12	13	4	Polk.....	Sept.	24	1948		4346*
Indian Creek (See Spring Branch)	Fink, Alvin M.....	Wymore.....	Pump.....	Irrig.....	.10	25	2	6E	Gage.....	Feb.	23	1935		2518
Indian Creek....	Sailing, Clyde.....	Wymore.....	Pump.....	Irrig.....	.21	25	2	6E	Gage.....	Sept.	4	1947		4104
Lincoln Creek....	Thorp and Harris.....	Thayer.....	Thayer Mills.....	Power.....		25	12	2	York.....				1053*	
Lincoln Creek....	Ritterbush, Fred.....	Seward.....	Pumps.....	Irrig.....	.67	33	12	2E	Seward.....	Nov.	22	1934		2496
Lincoln Creek....	Daehling, Ernest.....	Staplehurst.....	Pump.....	Irrig.....		4	11	2E	Seward.....	Nov.	22	1934		2496
Lincoln Creek....	Imig, Edw. P., et al....	Seward.....	Pump No. 1.....	Irrig.....	.36	33	12	2E	Seward.....	July	22	1937		2764
Lincoln Creek....	Imig, Edw. P., et al....	Seward.....	Pump No. 1.....	Irrig.....	.31	20	11	3E	Seward.....	July	27	1937		2765
Lincoln Creek....	Nelson, Lee M.....	Rochester, Minnesota	Pumps.....	Irrig.....	.34	13	11	2E	Seward.....	Aug.	18	1937		2773
Lincoln Creek....	Nelson, Lee M.....	Rochester, Minnesota	Pumps.....	Irrig.....	.32	24	11	2E	Seward.....	Aug.	18	1937		2773
Lincoln Creek....	Curry, J. F.....	Seward.....	Pump.....	Irrig.....	.94	19	11	3E	Seward.....	Apr.	12	1938		2861
Lincoln Creek....	Kruse, Herman F., et al.	Seward.....	Pump.....	Irrig.....	.81	19	11	3E	Seward.....	Sept.	12	1938		2883
Lincoln Creek....	Lindstrom, Annie B., et al	Waco.....	Pump.....	Irrig.....	.36	21	12	1	York.....	Nov.	8	1939		3013
Lincoln Creek....	Zieme, Wm.....	Utica.....	Pump.....	Irrig.....	.26	31	12	1E	Seward.....	Dec.	1	1939		3034
Lincoln Creek....	Jones, Mrs. Dorothy.....	Seward.....	Pump.....	Irrig.....	.28	13	11	2E	Seward.....	Dec.	11	1939		3045
Lincoln Creek....	Schneebeck, Mrs. Sophia.	Seward.....	Pump.....	Irrig.....	.46	24	11	2E	Seward.....	Dec.	18	1939		3056
Lincoln Creek....	Curry, J. F.....	Seward.....	Pump.....	Irrig.....	1.15	19	11	3E	Seward.....	Feb.	28	1940		3097

BUREAU OF IRRIGATION

Lincoln Creek...	Mayland, Mrs. Chas. H.	Staplehurst...	Pump No. 2.....	Irrig.....	.36	11	11	2E	Seward.....	July	30	1940	3223
Lincoln Creek...	Parker, Cora Belle.....	Utica.....	Pump.....	Irrig.....	.35	34	12	2	York.....	Sept.	16	1940	3266
Lincoln Creek...	Steenburg, Donald B....	Aurora.....	Pumps.....	Irrig.....	.34	2	10	6	Hamilton...	Sept.	27	1940	3276
Lincoln Creek...	Grosshans, Andrew.....	York.....	Pump.....	Irrig.....	.28	14	11	3	York.....	Oct.	21	1940	3303
Lincoln Creek...	Schneebeck, Mrs. Sophia.	Seward.....	Pump.....	Irrig.....	.37	24	11	2E	Seward.....	Oct.	21	1940	3304
Lincoln Creek...	Hurlbut, M. A.....	York.....	Pump.....	Irrig.....	.56	19	11	2	York.....	Aug.	5	1941	3481
Lincoln Creek...	Edgerton, Frank E.....	Aurora.....	Pump.....	Irrig.....	.68	30	11	5	Hamilton...	Sept.	9	1943	3644
Lincoln Creek...	Frank, Geo. C.....	York.....	Pump.....	Irrig.....	.31	35	12	2	York.....	Feb.	19	1946	3874
Lincoln Creek...	Lusk, C. E.....	York.....	Pump.....	Irrig.....	.88	3	11	2	York.....	Oct.	23	1947	4134
Lincoln Creek...	Tietmeyer, Herman.....	York.....	Pump.....	Irrig.....	.48	18	11	2	York.....	Dec.	18	1947	4159
Lincoln Creek...	Slezak, Milo.....	York.....	Pump.....	Irrig.....	.37	8	11	2	York.....	May	11	1948	4264
Lincoln Creek...	Scamehorn, Carl.....	York.....	Pump.....	Irrig.....		10	11	3	York.....	June	25	1948	4298
School Creek.....	Trautman, Henry, et al.	Sutton.....	Pump.....	Irrig.....	.16	17	8	4	Fillmore....	Apr.	29	1940	3141
School Creek.....	Fitzgerald, Tom.....	Grafton.....	Pump.....	Irrig.....	.05	20	8	4	Fillmore....	June	3	1942	3572
Spring Branch (See Indian Creek)	Fink, Alvin M.....	Wymore.....	Pump.....	Irrig.....	.07	25	2	6E	Gage.....	Feb.	23	1935	2518
Swan Creek.....	Schmidt, Frederick.....	De Witt.....	Pump.....	Irrig.....	.03	19	5	4E	Saline.....	Apr.	6	1937	2728
Swan Creek.....	Smith, Clifford L.....	De Witt.....	Pump.....	Irrig.....		19	5	4E	Saline.....	June	1	1948	4276
Swan Creek.....	Schmidt, Frederick.....	De Witt.....	Pump.....	Irrig.....		16	5	4E	Saline.....	June	1	1948	4277
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.....	Pump.....	Irrig.....	1.23	4	7	1E	Saline.....	May	3	1934	2376
Turkey Creek...	Diyoky, Rudolph.....	Friend.....	Pump.....	Irrig.....	1.13	34	8	1E	Saline.....	May	25	1934	2386
Turkey Creek...	Dilley, Edward A., Est.	Friend.....	Pump.....	Irrig.....	2.11	33	8	2E	Saline.....	June	30	1934	2414
Turkey Creek...	Belka, John.....	Dorchester.....	Pump.....	Irrig.....	.58	4	7	3E	Saline.....	July	13	1934	2424
Turkey Creek...	Engel, H. H.....	Friend.....	Pump.....	Irrig.....	.73	8	7	1E	Saline.....	July	19	1934	2432
Turkey Creek...	Hasenohr, Fred.....	De Witt.....	Pump.....	Irrig.....	.33	24	5	4E	Saline.....	May	3	1935	2546
Turkey Creek...	Stokebrand, Edwin.....	De Witt.....	Pump.....	Irrig.....	.49	29	5	5E	Gage.....	Oct.	18	1935	2562

* Denotes application pending, or claim not adjudicated.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Turkey Creek...	Ebke, Henry.....	De Witt.....	Pump.....	Irrig.....	.40	24	5	4E	Saline.....	Oct.	16	1936	2645
Turkey Creek...	Hamouz, Lew.....	Milligan.....	Pump.....	Irrig.....	.04	35	7	1	Fillmore...	Nov.	3	1936	2651
Turkey Creek...	Yokel, J. C.....	Friend.....	Pump.....	Irrig.....	.96	17	7	1E	Saline.....	Mar.	24	1938	2853
Turkey Creek...	Barney, John E.....	Friend.....	Pump.....	Irrig.....	.30	32	8	2E	Saline.....	Sept.	8	1939	2961
Turkey Creek...	Eret, Adolph.....	Dorchester.....	Pump.....	Irrig.....	.41	34	8	2E	Saline.....	July	23	1940	3209
Turkey Creek...	Damkroger, Henry W.....	De Witt.....	Pumps.....	Irrig.....	.46	29	5	5E	Gage.....	Aug.	20	1940	3235
Turkey Creek...	Waldo, Mrs. Lizzie.....	De Witt.....	Pumps.....	Irrig.....	.53	24	5	4E	Saline.....	Aug.	27	1940	3243
						19	5	5E	Saline.....	Aug.	27	1940	3243
Turkey Creek...	Drake, D. E.....	Friend.....	Pump.....	Irrig.....	.61	32	8	2E	Saline.....	Sept.	24	1940	3274
Turkey Creek...	Vossler, Mrs. Esther A.....	Friend.....	Pump.....	Irrig.....	.09	36	8	1E	Saline.....	Oct.	9	1940	3288
Turkey Creek...	Dvorak, John.....	Wilber.....	Pump.....	Irrig.....	.11	33	6	4E	Saline.....	Dec.	7	1940	3344
Turkey Creek...	Svejda, Vaclav.....	Crete.....	Pump.....	Irrig.....	.04	23	7	3E	Saline.....	July	28	1941	3473
Turkey Creek...	Semrad, James.....	Crete.....	Pump.....	Irrig.....	.16	14	7	3E	Saline.....	Aug.	4	1941	3479
Turkey Creek...	Arnold, Lillie D.....	Dorchester.....	Pump.....	Irrig.....	.23	35	8	2E	Saline.....	May	14	1942	3566
Turkey Creek...	Southwick, P. O.....	Friend.....	Pump.....	Irrig.....	.28	2	7	1E	Saline.....	Feb.	2	1946	3872
Turkey Creek...	Sloan, William M.....	Eugene, Ore.....	Pump.....	Irrig.....	.07	20	7	2	Fillmore...	Sept.	21	1946	3967
Turkey Creek...	Barney, Geo. W.....	Friend.....	Pump.....	Irrig.....	.30	32	8	2E	Saline.....	Sept.	10	1947	4108
Turkey Creek...	Brown, Pearl F.....	Geneva.....	Brown Reservoir.....	Storage.....		21	7	2	Fillmore...	July	26	1948	4314*
Turkey Creek, North Fork	Brown, Guy A.....	Geneva.....	Valley View Reservoir.....	Storage.....		32	7	2	Fillmore...	July	26	1948	4312*
Valley View Res.	Brown, Guy A.....	Geneva.....	Valley View Canal.....	Irrig.....		32	7	2	Fillmore...	July	26	1948	4313*

* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Bennett Reservoir.	Rodman, Walter M.	Kimball.	Bennett Canal.	Supple.I..	A-691	22	15	55	Kimball.	Oct.	2	1902	691
Bennett Reservoir.	Rodman, Walter M.	Kimball.	Bennett Canal.	Stor-only..		22	15	55	Kimball.	Jan.	13	1928	1975
Flood Water.	Fifield, C. M.	Kimball.	Fifield Canal.	Irrig. ....	.57	22	15	56	Kimball.	Apr.	27	1911	1091
Ground Water (Lodgepole Cr.)	McIntosh, J. L. and Martin, Paul L.	Sidney.	McIntosh-Martin Well..	Irrig.	1.23	35	14	50	Cheyenne. ...	Nov.	22	1922	1695
Ground Water.	S. A. Foster Lumber Co.	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	Kimball.	May	27	1940	3167*
						35	15	54	Kimball.	May	27	1940	3167*
Ground Water.	Johnson, Julius J.	Dix.	Johnson Well.	Irrig.		34	15	53	Kimball.	Feb.	27	1941	3403*
Ground Water.	Gunderson, Howard.	Dix.	Gunderson Well.	Irrig.		2	14	53	Cheyenne. ...	Mar.	25	1941	3419*
Ground Water.	Mohatt, Everett.	Sidney.	Mohatt Well.	Irrig.		4	13	50	Cheyenne. ...	Jan.	26	1942	3546*
Ground Water.	Patrowsky, L. H.	Sidney.	Patrowsky Well.	Irrig.		32	14	49	Cheyenne. ...	Oct.	28	1946	3993*
Ground Water.	Beyer, Frank A.	Sidney.	Beyer Well.	Irrig.		34	14	29	Cheyenne. ...	Dec.	4	1946	4010*
Lodgepole Creek.	Stahla, Henry, et al.	Kimball.	Bickel Canal.	Irrig. ....	.30	30	15	55	Kimball.	Dec.	31	1876	347
Lodgepole Creek.	Alfred Forsling Estate. Inc.	Kimball.	Owasco Canal.	Irrig.	1.20	29	15	55	Kimball.	Dec.	31	1876	347R

Supple. 1. Denotes storage water in addition to direct flow.
 Stor-only. Land does not have a direct flow appropriation.
 * Denotes application pending.
 "R." Denotes relocation.

BUREAU OF IRRIGATION

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

Source	Appropriator or Operator	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 Creek..	Gunderson, Walter.....	Tie Siding, Wyoming	Gunderson Canal.....	Irrig.....	1.43	1	14	52	Cheyenne...	June	1	1879	305	
Lodgepole Creek..	Dimery, Martin.....	Sidney.....	Runge Canal No. 1.....	Irrig.....	1.71	20	14	50	Cheyenne...	Apr.	15	1880	339	
Lodgepole Creek..	Dimery, Martin.....	Sidney.....	Runge Canal No. 2.....	Irrig.....	.50	20	14	50	Cheyenne...	Apr.	15	1882	338	
Lodgepole Creek..	Carlson, Mrs. Christina..	Potter.....	Anderson Canal No. 1....	Irrig.....	2.50	8	14	51	Cheyenne...	June	30	1882	373	
Lodgepole Creek..	Rodman, Walter M.....	Kimball.....	Circle Arrow Canal.....	Irrig.....	3.71	30	15	54	Kimball....	July	1	1882	346	
Lodgepole Creek..	Fuller, Clark H., et al..	Sidney.....	Urbach Canal.....	Irrig.....	.86	15	14	51	Cheyenne...	Sept.	1	1882	308	
Lodgepole Creek..	Booth, Esther, Estate...	Sunol.....	Booth Canal.....	Irrig.....	4.29	29	14	47	Cheyenne...	May	31	1883	309	
													310	
Lodgepole Creek..	McAuliffe, John F.....	Chappell.....	McAuliffe Canal.....	Irrig.....	2.29	21	13	45	Deuel.....	Dec.	31	1884	814	
Lodgepole Creek..	Ferguson, John H.....	Kimball.....	Kinney Canal No. 2.....	Irrig.....	2.71	33	15	56	Kimball....	Dec.	31	1884	348	
Lodgepole Creek..	Wise, Chas. C.....	Lodgepole....	Libby Canal.....	Irrig.....	2.00	36	14	47	Cheyenne...	Dec.	31	1884	312	
Lodgepole Creek..	Dickinson, Florence Pearl	Lodgepole....	Dickinson Canal.....	Irrig.....	1.14	26	14	47	Cheyenne...	Jan.	1	1885	969	
Lodgepole Creek..	Ruttner, Edward A.....	Lodgepole....	Howard Canal.....	Irrig.....	.86	31	14	47	Cheyenne...	Apr.	10	1885	336	
Lodgepole Creek..	Krueger, Wm. F., et al.	Sidney.....	Krueger Canal No. 3....	Irrig.....	1.14	32	14	48	Cheyenne...	May	1	1885	323	
Lodgepole Creek..	Wolf, Mrs. H. D.....	Chappell.....	Wolf Canal.....	Irrig.....	1.00	18	13	45	Deuel.....	Dec.	31	1885	813	
Lodgepole Creek..	Rodman, Walter M.....	Kimball.....	McIntosh Canal.....	Irrig.....	3.31	23	15	55	Kimball....	Apr.	16	1886	351	
Lodgepole Creek..	Krueger, Wm. F., et al.	Sidney.....	Krueger Canal No. 2....	Irrig.....	2.29	32	14	48	Cheyenne...	Oct.	10	1886	324	
Lodgepole Creek..	Beyer, Frank.....	Sidney.....	Borquist Canal.....	Irrig.....	.71	34	14	49	Cheyenne...	Apr.	30	1887	300	
Lodgepole Creek..	Beyer, Frank.....	Sidney.....	Borquist Canal.....	Irrig.....	1.29	34	14	49	Cheyenne...	Apr.	30	1887	301	
Lodgepole Creek..	Dickinson, Friend.....	Sunol.....	McLaughlin Canal.....	Irrig.....	1.00	25	14	48	Cheyenne...	May	1	1887	966	
Lodgepole Creek..	George, J. Harvey.....	Sidney.....	Mitchell Canal.....	Irrig.....	.86	8	14	51	Cheyenne...	Sept.	1	1887	304	
Lodgepole Creek..	Barstow, L. C.....	Sidney.....	Tobin Canal.....	Irrig.....	.83	28	14	47	Cheyenne...	July	31	1888	330	
Lodgepole Creek..	Barstow, L. C.....	Sidney.....	Pump No. 1.....	Irrig.....	.50	28	14	47	Cheyenne...	July	31	1888	330R	
Lodgepole Creek..	Barstow, L. C.....	Sidney.....	Pump No. 2.....	Irrig.....	.96	28	14	47	Cheyenne...	July	31	1888	330R	
Lodgepole Creek..	Peez, John.....	Sidney.....	Bordwell Canal.....	Irrig.....	1.43	35	14	49	Cheyenne...	Aug.	1	1888	303	

BUREAU OF IRRIGATION

Lodgepole Creek..	Benziger, Adelrick.....	Pine Bluffs, Wyoming	Premier Canal.....	Irrig.....	2.43	3	14	58	Kimball....	Apr.	11	1889	340
Lodgepole Creek..	Peetz, John.....	Sidney.....	Bordwell Canal.....	Irrig.....	.86	35	14	49	Cheyenne...	Apr.	27	1889	302
Lodgepole Creek..	Farmer, Marion.....	Kimball.....	Atkins-Polly Canal.....	Irrig.....	.79	30	15	55	Kimball....	May	6	1889	342
Lodgepole Creek..	Gross and Benziger.....	Pine Bluffs, Wyoming	Independent Canal.....	Irrig.....	3.14	7	14	58	Kimball....	May	6	1889	343
Lodgepole Creek..	Atkins, Vernon D.....	Kimball.....	Atkins-Polly Canal.....	Irrig.....	.43	30	15	55	Kimball....	May	6	1889	344
Lodgepole Creek..	Ferguson, John H.....	Kimball.....	Kinney Canal.....	Irrig.....	2.00	31	15	56	Kimball....	May	14	1889	345
Lodgepole Creek..	Haberstroh, W. A.....	Omaha.....	Young Canal.....	Irrig.....	.50	33	15	57	Kimball....	May	28	1889	349
Lodgepole Creek..	Linn, Vernon E.....	Kimball.....	Ruttner (Old) Canal....	Irrig.....	.81	31	15	56	Kimball....	June	4	1889	350
Lodgepole Creek..	Linn, Vernon E.....	Kimball.....	Ruttner (New) Canal....	Irrig.....	.33	36	15	57	Kimball....	June	4	1889	350R
Lodgepole Creek..	Oberfelder, Irving T....	Detroit, Mich.	Oberfelder Canal.....	Irrig.....	.43	31	14	46	Cheyenne...	June	10	1889	333
Lodgepole Creek..	Mayborn, Thos. W.....	Chappell.....	Bullock Canal.....	Irrig.....	1.43	3	13	46	Deuel.....	June	25	1889	296
Lodgepole Creek..	Carlson, Myron F.....	Chappell.....	Persinger Canal.....	Irrig.....	4.57	33	14	46	Deuel.....	June	25	1889	297
Lodgepole Creek..	Krueger, Wm. F., et al.	Sidney.....	Krueger Canal No. 1....	Irrig.....	3.00	29	14	48	Cheyenne...	June	26	1889	325
Lodgepole Creek..	Atkins, Vernon, et al....	Kimball.....	Brady Canal.....	Irrig.....	.71	28	15	54	Kimball....	Aug.	16	1889	352
Lodgepole Creek..	Gross, Chas. C.....	Pine Bluffs, Wyoming	Hoover Canal.....	Irrig.....	1.43	12	14	59	Kimball....	Sept.	4	1889	353
Lodgepole Creek..	Equitable Life Ins. Co...	Des Moines, Iowa	Ickes Canal.....	Irrig.....	2.50	28	14	50	Cheyenne...	Mar.	25	1891	329
Lodgepole Creek..	Egging, Francis H.....	Potter.....	Adams Canal.....	Irrig.....	1.43	3	14	52	Cheyenne...	July	1	1891	371
Lodgepole Creek..	Garrard, Robert, et al.	Kimball.....	Hurley-Lilly-Polly Canal.	Irrig.....	2.57	26	15	56	Kimball....	Oct.	1	1891	354
Lodgepole Creek..	Thorstensen, Nels.....	Potter.....	Christensen Canal.....	Irrig.....	.57	7	14	51	Cheyenne...	Apr.	15	1893	366
Lodgepole Creek..	Thorstensen, Nels.....	Potter.....	Christensen Canal.....	Irrig.....	.43	7	14	51	Cheyenne...	Apr.	15	1893	367
Lodgepole Creek..	Van Aelstyn, Ed.....	Sidney.....	Trognitz Canal.....	Irrig.....	1.00	36	14	50	Cheyenne...	June	1	1893	365
Lodgepole Creek..	Oberfelder, Irving T....	Detroit, Mich.	Oberfelder Canal.....	Irrig.....	2.00	31	14	46	Cheyenne...	Dec.	30	1893	306
Lodgepole Creek..	Borgmann, Henry F.....	Lodgepole....	Barrett Canal.....	Irrig.....		32	14	46	Cheyenne...				334*
Lodgepole Creek..	Krueger, Wm. F., et al.	Sidney.....	Krueger Canal.....	Irrig.....	1.00	29	14	48	Cheyenne...	May	1	1894	968
Lodgepole Creek..	Lyngholm, Hannah.....	Sidney.....	Lyngholm Canal.....	Irrig.....	.36	14	14	51	Cheyenne...	Nov.	1	1894	337
Lodgepole Creek..	Dickinson, Geo. W., et al	Lodgepole....	Dickinson Canal.....	Irrig.....	2.29	33	14	47	Cheyenne...	May	10	1896	967
Lodgepole Creek..	Carlson, Myron F.....	Chappell.....	Bullock Canal.....	Irrig.....	.57	4	13	46	Deuel.....	Feb.	16	1898	437
Lodgepole Creek..	Alfred Forsing Est., Inc.	Kimball.....	Maltese Cross Canal....	Irrig.....	.21	36	15	57	Kimball....	May	16	1898	454

'R' Denotes relocation.
* Denotes claim not adjudicated.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Lodgepole Creek.	Benziger, Aderlick.....	Pine Bluffs, Wyoming	Bushnell Canal.....	Irrig.....	3.00	2	14	58	Kimball.....	Apr.	15	1899		504
Lodgepole Creek.	Wiegand, Lyle H.....	Chappell.....	Wiegand Canal.....	Irrig.....	2.00	17	13	45	Deuel.....	May	31	1900		563
Lodgepole Creek.	Brown, G. B.....	Chappell.....	Neuman Canals 1-2.....	Irrig.....	1.89	36	13	45	Deuel.....	June	12	1900		565
Lodgepole Creek.	Peterson, H. C.....	Chappell.....	Wertz Canal.....	Irrig.....	2.86	12	13	46	Deuel.....	Feb.	14	1901		600
Lodgepole Creek.	Neuman, Guy C.....	Chappell.....	Neuman Canal.....	Irrig.....	1.29	26	13	45	Deuel.....	Apr.	17	1901		611
Lodgepole Creek.	Williams, Albert.....	Chappell.....	Johnson Canal.....	Irrig.....	2.01	23	13	45	Deuel.....	Apr.	17	1901		612
Lodgepole Creek (Sec A-1974)	Rodman, Walter M.....	Kimball.....	Bennett Reservoir.....	Storage..	700AF	22	15	55	Kimball.....	Mar.	13	1902		657
Lodgepole Creek.	Rabe, George H.....	Chappell.....	Naslund Canal.....	Irrig.....	.90	1	12	45	Deuel.....	Apr.	16	1902		661
Lodgepole Creek.	Rodman, Walter M.....	Kimball.....	Bennett Canal.....	Irrig.....	1.22	22	15	55	Kimball.....	Oct.	2	1902		691
Lodgepole Creek.	Forsling, Alfred.....	Kimball.....	Forsling Canal.....	Irrig.....	1.50	34	15	57	Kimball.....	Apr.	24	1903		703
Lodgepole Creek.	Quinn, Harold.....	Casper, Wyo.	Kinney-Forsling Canal..	Irrig.....	1.07	33	15	56	Kimball.....	July	25	1903		718
Lodgepole Creek.	Quinn, Harold.....	Casper, Wyo.	Ruttner-Kinney Canal..	Irrig.....	.75	31	15	56	Kimball.....	July	25	1903		718R
Lodgepole Creek.	Stahla, Henry.....	Kimball.....	Bickel Canal.....	Irrig.....	.93	30	15	55	Kimball.....	Aug.	3	1903		719
Lodgepole Creek.	Fuller, Clark H., et al.	Sidney.....	Pomeroy Canal No. 1...	Irrig.....	.57	15	14	51	Cheyenne...	Aug.	20	1903		723
Lodgepole Creek.	Atkins, Vernon D.....	Kimball.....	Faden Canal.....	Irrig.....	.14	30	15	55	Kimball.....	Sept.	9	1903		724
Lodgepole Creek.	Rodman, Walter M.....	Kimball.....	Owasco Canal.....	Irrig.....	9.84	29	15	55	Kimball.....	Sept.	12	1903		725
Lodgepole Creek.	Linn, Vernon E.....	Kimball.....	Ruttner (New) Canal..	Irrig.....	.51	36	15	57	Kimball.....	Sept.	16	1903		727
Lodgepole Creek.	Rodman, Walter M. and Uhl, David	Kimball	McIntosh Canal.....	Irrig.....	1.75	23	15	55	Kimball.....	Dec.	15	1903		734
Lodgepole Creek.	Clark, Donald.....	Chappell.....	Smith Canal.....	Irrig.....	3.86	12	12	45	Deuel.....	Aug.	18	1906		850
Lodgepole Creek.	Soderquist, Peter, Estate	Chappell.....	Ralton System.....	Irrig.....	2.59	12	12	45	Deuel.....	Jan.	4	1907		847
Lodgepole Creek.	Quinn, Harold.....	Casper, Wyo.	Ruttner (New) Canal..	Irrig.....	2.71	36	15	57	Kimball.....	Apr.	9	1907		857
Lodgepole Creek.	Walker, I. S., Estate...	Kimball.....	Ruttner (New) Canal..	Irrig.....	.63	36	15	57	Kimball.....	Sept.	16	1907		869
Lodgepole Creek.	Gross, Chas. C.....	Pine Bluffs, Wyoming	Tracy Canal.....	Irrig.....	.50	12	14	59	Kimball.....	Sept.	21	1907		870
Lodgepole Creek.	Soderquist, Peter, Estate	Chappell.....	Ralton Canal.....	Irrig.....	12.40	36	13	45	Deuel.....	Dec.	4	1907		882

Lodgepole Creek	Kimball Irrig. District	Kimball	Oliver Reservoir	Storage	†2000AF	36	15	57	Kimball	Apr.	15	1908	897	
Lodgepole Creek	Kimball Irrig. District	Kimball	Kimball Canal	Irrig.		36	15	57	Kimball	Apr.	15	1908	897	
Lodgepole Creek	Atkins, Vernon D.	Kimball	Atkins-Polly Canal	Irrig.		.11	30	15	55	Kimball	Apr.	15	1908	897R
Lodgepole Creek	Wilds, Turner	Chappell	Wilds Canal	Irrig.		.57	11	13	46	Deuel	June	2	1908	904
Lodgepole Creek	Ruttner, Joseph B.	Sunol	Ruttner Canal	Irrig.		.57	30	14	47	Cheyenne	June	25	1908	906
Lodgepole Creek	Rodman, Walter M.	Kimball	Bennett Canal No. 3	Irrig.		1.00	29	15	54	Kimball	Feb.	17	1909	934
Lodgepole Creek	Maginnis, P.	Kimball	Maginnis Pond	Ice	†500AF	26	15	56	Kimball	Sept.	19	1911	1127	
Lodgepole Creek	La Selle, Vernice C.	Chappell	Soderquist Canal	Irrig.		2.00	36	13	45	Deuel	Oct.	22	1912	1237
Lodgepole Creek	Heming, Howard C.	Chappell	Wiegand Canal No. 3	Irrig.		1.21	16	13	45	Deuel	Sept.	10	1913	1322
Lodgepole Creek	Heming, Howard C.	Chappell	Wiegand Canal No. 2	Irrig.		.43	16	13	45	Deuel	Sept.	10	1913	1323
Lodgepole Creek	La Selle, Vernice C.	Chappell	Soderquist Canal	Irrig.		2.33	36	13	45	Deuel	June	29	1915	1420
Lodgepole Creek	Neumann, A. G.	Chappell	Neumann Canal	Irrig.		1.03	26	13	45	Deuel	Jan.	5	1916	1445
Lodgepole Creek	Bentley, Bertha M.	Sidney	Bentley Reservoir	Dom.	†50AF	34	14	50	Cheyenne	Feb.	14	1917	1478	
Lodgepole Creek	Sudman, Mrs. Minnie	Chappell	Sudman Canal	Irrig.		.79	22	13	45	Deuel	Apr.	5	1917	1483
Lodgepole Creek	McAuliffe, Beulah	Omaha	McAuliffe Canal	Irrig.		1.77	21	13	45	Deuel	Oct.	6	1919	1559
Lodgepole Creek	Ruttner, Joseph B.	Sunol	Howard-Ruttner Canal	Irrig.		.20	31	14	47	Cheyenne	Mar.	7	1922	1645
Lodgepole Creek	Patrowsky, L. H.	Sidney	Stuht Canal	Irrig.		.40	32	14	49	Cheyenne	Apr.	26	1922	1659
Lodgepole Creek	Schulte, Grace	Sidney	Bluhm Canal	Irrig.		1.00	36	14	48	Cheyenne	May	24	1926	1811
Lodgepole Creek	Stahla, Phillip	Kimball	Kinney Canal	Irrig.		.20	31	15	56	Kimball	July	14	1926	1828
Lodgepole Creek	Benziger, Adelrick	Pine Bluffs, Wyoming	Wearin Canal	Irrig.		1.50	8	14	58	Kimball	Sept.	28	1926	1864
Lodgepole Creek (See A-657)	Rodman, Walter M.	Kimball	Bennett Reservoir	Storage	†262AF	22	15	55	Kimball	Jan.	13	1928	1974	
Lodgepole Creek	Peterson, Geo. H.	Chappell	Peterson Canal	Irrig.		.66	26	13	45	Deuel	Apr.	17	1928	2006
Lodgepole Creek	McLernon, Mrs. Emma	Sidney	McLernon Canal	Irrig.		.24	31	14	49	Cheyenne	Sept.	1	1928	2027
Lodgepole Creek	Pantenburg, Wm. F.	Sidney	Pantenburg Canal	Irrig.		1.00	34	14	49	Cheyenne	Nov.	15	1929	2113
Lodgepole Creek	Thorstensen, Nels	Potter	Pump	Irrig.		.29	7	14	51	Cheyenne	Mar.	10	1936	2569
Lodgepole Creek	Anderson, Harry	Sidney	Pump	Irrig.		.20	10	14	51	Cheyenne	Feb.	14	1938	2839
Lodgepole Creek	Peetz, John	Sidney	Pump	Irrig.		.20	35	14	49	Cheyenne	Feb.	21	1939	2909
Lodgepole Creek	Radcliffe, C. S.	Sidney	Pumps	Irrig.		.41	31	14	49	Cheyenne	Dec.	21	1939	3064
							6	13	49	Cheyenne	Dec.	21	1939	3064
Lodgepole Creek	Dimery, Martin	Sidney	Pump	Irrig.		.33	20	14	50	Cheyenne	June	25	1940	3191

† Reservoir capacity alleged by applicant.
"R" Denotes relocation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Lodgepole Creek..	Dimery, Martin.....	Sidney.....	Runge Canal No. 1.....	Irrig.....	.48	20	14	50	Cheyenne...	Jan.	8	1941	3363
Lodgepole Creek..	Dimery, Martin.....	Sidney.....	Pump	Irrig.....	.64	20	14	50	Cheyenne...	Jan.	8	1941	
Lodgepole Creek..	Schnell, G. Geo.....	Sidney.....	Jones Canal.....	Irrig.....	1.80	36	14	49	Cheyenne...	Feb.	14	1941	3392
Lodgepole Creek..	Fuller, Clark H.....	Sidney.....	Pump	Irrig.....	.71	15	14	51	Cheyenne...	Apr.	5	1941	3425
Lodgepole Creek..	George, J. Harvey.....	Sidney.....	George Canal.....	Irrig.....	.71	7	14	51	Cheyenne...	Oct.	27	1941	3525
Lodgepole Creek..	George, J. Harvey.....	Sidney.....	Mitchell Canal.....	Irrig.....	.29	8	14	51	Cheyenne...	Oct.	27	1941	3526
Lodgepole Creek..	McHatton, Howard L....	Chappell.....	Pump	Irrig.....	1.27	7	13	45	Deuel.....	Mar.	12	1942	3560
Lodgepole Creek..	Barstow, L. C.....	Sidney.....	Pump No. 3.....	Irrig.....	.19	28	14	47	Cheyenne...	Apr.	10	1945	3825
Oliver Reservoir..	Kimball Irrig. District..	Kimball.....	Kimball Canal.....	Supple. I..	A-897	36	15	57	Kimball....	Apr.	15	1908	897
Springs.....	Oberfelder, Irving T....	Detroit, Mich.	Oberfelder Canal.....	Irrig.....	2.29	31	14	46	Cheyenne...	May	29	1889	307
Springs.....	Chambers, Chas. P., Est.	Sidney.....	Private Canal.....	Irrig.....	.04	14	13	51	Cheyenne...	Mar.	19	1895	335
Springs.....	Wise, Chas. C.....	Lodgepole.....	Spring Branch Canal....	Irrig.....	.29	36	14	47	Cheyenne...	July	1	1901	623

"R" Denotes relocation.
Supple. 1. Denotes storage water in addition to direct flow.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Cottonwood Creek.	Powell, Guy R.....	Dawson.....	Pump.....	Irrig.....		21	2	14E	Richardson.	June	22	1948		4295
Hooper Creek....	Lanning, Elmer M.....	Eagle.....	Pump.....	Irrig.....		10	9	9E	Otoe.....	Aug.	12	1948		4325
Nemaha River....	City of Falls City.....	Falls City....	City Supply.....	Dom.....	4.63	22	1	16E	Richardson.	Aug.	5	1936		2605
Nemaha R., N. F..	C. B. & Q. R. R. Co....	Lincoln.....	Table Rock Pipe Line...	Dom.....	1.00	33	3	12E	Pawnee....	Aug.	8	1922		1687
Nemaha R., N. F..	Estes, E. B.....	Tecumseh.....	Pumps.....	Irrig.....	1.43	19	5	11E	Johnson... Aug.	15	1930		2159	
						29	5	11E	Johnson... Aug.	15	1930		2159	
Nemaha R., N. F..	Goracke, Roy C.....	Tecumseh.....	Pumps.....	Irrig.....	4.20	13	5	10E	Johnson... May	4	1934		2377	
Nemaha R., N. F..	Goracke, Raymond A....	Tecumseh.....	Pumps.....	Irrig.....	.54	14	5	10E	Johnson... July	16	1934		2428	
Nemaha R., N. F..	Goracke, Joe.....	St. Mary.....	Pumps.....	Irrig.....	1.12	14	5	10E	Johnson... Sept.	26	1934		2478	
Nemaha R., N. F..	City of Humboldt.....	Humboldt....	Humboldt Lake.....	Resort	†25A	10	2	13E	Richardson.	June	20	1935		2551
Nemaha R., N. F..	City of Tecumseh.....	Tecumseh.....	City Supply.....	Dom.....	2.30	33	5	11E	Johnson... Sept.	5	1936		2634	
Nemaha R., N. F..	Elk Cr. Recreation Club.	Elk Creek....	Elk Lake Reservoir.....	Fish.....		25	4	11E	Johnson... Apr.	26	1938		2864	
Nemaha R., N. F..	Binder, W. R.....	Table Rock... Pump		Irrig.....	1.54	33	3	12E	Pawnee.... Jan.	24	1940		3086	
Nemaha R., N. F..	Heuke, Herman.....	Table Rock... Pump		Irrig.....	.62	20	3	12E	Pawnee.... Aug.	6	1941		3482	
Nemaha R., N. F..	Binder, W. R.....	Table Rock... Pump		Irrig.....	1.73	33	3	12E	Pawnee.... Aug.	15	1941		3487	
Nemaha R., N. F..	Binder, W. R.....	Table Rock... Pump		Irrig.....	.19	33	3	12E	Pawnee.... Sept.	25	1941		3511	
Nemaha R., N. F..	Huston, H. H.....	Salem.....	Pump.....	Irrig.....	.10	3	1	5E	Richardson.	June	29	1946		3921
Nemaha R., N. F..	Binder, W. R.....	Table Rock... Pump No. 2		Irrig.....	1.33	17	3	12E	Pawnee.... Aug.	13	1947		4096	
Nemaha R., S.F..	Auxier, M. Ethel.....	Dawson.....	Pump.....	Irrig.....	1.15	4	1	14E	Richardson.	Mar.	31	1947		4057
Nemaha R., Little	Clarke, J. E.....	Brock.....	Pumps.....	Irrig.....	1.23	25	6	13E	Nemaha... Nov.	20	1937		2806	
					.74	31	6	14E	Nemaha... Nov.	20	1937		2806	
Nemaha R., Little	Missouri Pacific Railway Corporation	St. Louis, Mo.	Mo. Pac. Water Supply (Auburn)	Dom.....	3.00	15	5	14E	Nemaha... May	11	1938		2873	

† Reservoir capacity alleged by applicant.

BUREAU OF IRRIGATION

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Rock Creek.....	Stevenson, Julien R.....	Nebraska City	Pump	Irrig.....	.70	30	7	14E	Otoe.....	Dec.	5	1936		2668
Rock Creek.....	Huston, H. H.....	Salem.....	Pump	Irrig.....		20	1	15E	Richardson	May	10	1948		4262
Walnut Creek.....	Kimmel, R. P.....	Nebraska City	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.....	Pump	Irrig.....	.57	35	10	13E	Cass.....	Nov.	27	1936		2664
Weeping Water Creek	Department of Roads and Irrigation	Lincoln.....	Pump	Irrig.....	.71	35	10	13E	Cass.....	Jan.	18	1937		2681

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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.....	Pump	Irrig.....	2.95	7	14	20	Custer.....	May	17	1932	2271
Barnum Creek...	Sheldon, Charles H.....	Columbus.....	Pump No. 1.....	Irrig.....	.13	31	17	1E	Platte.....	Nov.	4	1939	3007
Barnum Creek...	Mueller, Paul.....	Columbus.....	Pump	Irrig.....	.06	36	17	1	Platte.....	Jan.	27	1940	3087
Barnum Creek...	Wagner, August.....	Columbus.....	Pump	Irrig.....	1.08	32	17	1E	Platte.....	Oct.	10	1941	3517
#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...	Consumers P. P. Dist.....	Columbus.....	Albion Plant.....	Power.....	67.00	26	20	6	Boone.....	Oct.	3	1901	639
Beaver Creek...	Consumers P. P. Dist.....	Columbus.....	St. Edward Plant.....	Power.....	130.00	27	19	5	Boone.....	Feb.	11	1911	1058
Beaver Creek...	Consumers P. P. Dist.....	Columbus.....	Albion Plant.....	Power.....	70.00	26	20	6	Boone.....	Feb.	20	1917	1480
Beaver Creek...	Umbarger, Arthur.....	Genoa.....	Pump	Irrig.....	.99	10	17	4	Nance.....	July	8	1933	2329
Beaver Creek...	Peterson, Homer S.....	St. Edward.....	Pump	Irrig.....	.64	18	18	4	Platte.....	Sept.	10	1934	2471
Beaver Creek...	Peterson, Henry M.....	St. Edward.....	Pump	Irrig.....	.63	2	18	5	Boone.....	Aug.	7	1935	2554
Beaver Creek...	Self, Irene.....	Omaha.....	Pump	Irrig.....	.38	20	19	5	Boone.....	June	19	1936	2582
Beaver Creek...	Battles, S. T.....	Genoa.....	Pump	Irrig.....	.19	14	17	4	Nance.....	Oct.	21	1936	2647
Beaver Creek...	Metz, Urban.....	Petersburg.....	Pump	Irrig.....	.50	10	21	7	Boone.....	Dec.	1	1936	2665
Beaver Creek...	Delarm, Ara V.....	Albion.....	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.....	Pump	Irrig.....	.71	1	20	7	Boone.....	Sept.	1	1937	2779
Beaver Creek...	Qualsett, Olaf.....	Petersburg.....	Pump	Irrig.....	.29	30	22	7	Boone.....	Nov.	16	1937	2803
Beaver Creek...	Watson, W. B.....	Albion.....	Pump	Irrig.....	.44	16	19	5	Boone.....	Dec.	2	1937	2811
Beaver Creek...	Kent-Burke Company.....	Genoa.....	Genoa Ranch Canal.....	Irrig.....	.29	24	17	4	Nance.....	Dec.	6	1937	2812
Beaver Creek...	Olson, Mrs. Frank.....	Genoa.....	Pump	Irrig.....	.47	15	17	4	Nance.....	Feb.	8	1938	2835
Beaver Creek...	Mansfield, F. E.....	Albion.....	Pumps	Irrig.....	.38	36	20	6	Boone.....	Feb.	21	1938	2840
Beaver Creek...	Harris, Thomas.....	St. Edward.....	Pump	Irrig.....	.72	31	20	5	Boone.....	Feb.	21	1938	2840
Beaver Creek...					.39	27	19	5	Boone.....	Mar.	8	1938	2843

See appropriations under Mud (Beaver) Creek.

BUREAU OF IRRIGATION

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Beaver Creek.....	Gillespie, H. H.....	Boone.....	Pump.....	Irrig.....	.59	8	19	5	Boone.....	Mar.	15	1938	2846
Beaver Creek.....	Hunter, Elga B.....	Albion.....	Pump.....	Irrig.....	.52	10	21	7	Boone.....	Mar.	24	1938	2856
Beaver Creek.....	Battles, Newell H.....	Genoa.....	Pump.....	Irrig.....	.69	14	17	4	Nance.....	Oct.	27	1938	2893
Beaver Creek.....	Ohlson, C. L.....	Petersburg.....	Pump.....	Irrig.....	1.39	4	21	7	Boone.....	May	25	1939	2926
Beaver Creek.....	Stretter, S. W.....	Petersburg.....	Pump.....	Irrig.....	.13	32	22	7	Boone.....	Aug.	14	1939	2950
Beaver Creek.....	Blough, L. N.....	Lincoln.....	Pump.....	Irrig.....	.35	10	21	7	Boone.....	Sept.	21	1939	2969
Beaver Creek.....	Woodworth, Mark A.....	Albion.....	Pump.....	Irrig.....	.41	16	20	6	Boone.....	Feb.	27	1940	3096
Beaver Creek.....	Shaffer, C. J.....	St. Edward.....	Pump.....	Irrig.....	.25	2	18	5	Boone.....	Apr.	10	1940	3132
Beaver Creek.....	Blough, L. N.....	Lincoln.....	Pump.....	Irrig.....	.04	10	21	7	Boone.....	Apr.	18	1940	3140
Beaver Creek.....	Hall, Edward C.....	St. Edward.....	Pump No. 1.....	Irrig.....	.66	12	18	5	Boone.....	Aug.	17	1940	3234
Beaver Creek.....	Carter, Chas. E., Est.....	Overton.....	Pump.....	Irrig.....	.37	34	19	5	Boone.....	Apr.	21	1941	3430
Beaver Creek.....	Brown, C. H., Jr.....	Albion.....	Pump.....	Irrig.....	1.02	17	20	6	Boone.....	Sept.	3	1941	3491
Beaver Creek.....	Choat, Clarence.....	St. Edward.....	Pump.....	Irrig.....	.60	28	19	5	Boone.....	Feb.	24	1942	3554
Beaver Creek.....	Zurovski, Leo J.....	Albion.....	Pump.....	Irrig.....	.50	21	19	5	Boone.....	Apr.	13	1943	3606
Beaver Creek.....	Rumstick, Mrs. Leona.....	Albion.....	Pump.....	Irrig.....	.50	26	20	6	Boone.....	Sept.	13	1943	3649
Beaver Creek.....	Self, Irene.....	Omaha.....	Pump.....	Irrig.....	.52	20	19	5	Boone.....	Oct.	25	1943	3661
Beaver Creek.....	Gray, Raymond E.....	Albion.....	Pump.....	Irrig.....	.87	7	20	6	Boone.....	Dec.	20	1943	3665
Beaver Creek.....	Jasa, Amos.....	St. Edward.....	Pump.....	Irrig.....	.66	21	19	5	Boone.....	Feb.	7	1944	3681
Beaver Creek.....	Carstenson, Lawrence P.....	Columbus.....	Pump.....	Irrig.....		13	17	4	Nance.....	Mar.	31	1944	3706*
Beaver Creek.....	Nielsen, E. M.....	Columbus.....	Pump.....	Irrig.....		14	17	4	Nance.....	Apr.	28	1944	3719*
Beaver Creek.....	Harris, F. C.....	Monroe.....	Pump.....	Irrig.....	.64	9	19	5	Boone.....	Sept.	6	1944	3763
Beaver Creek.....	Sallach, Roy E.....	Loretto.....	Pump.....	Irrig.....	.69	35	21	7	Boone.....	Feb.	1	1945	3805
Beaver Creek.....	Dannelly, Everett.....	Genoa.....	Pump.....	Irrig.....	.36	10	17	4	Nance.....	June	23	1945	3845
Beaver Creek.....	Miller, A. D.....	Albion.....	Pump.....	Irrig.....	.97	8	20	6	Boone.....	July	31	1946	3936
Beaver Creek.....	Imus, C. R.....	Albion.....	Pump.....	Irrig.....	.06	16	20	6	Boone.....	Apr.	7	1947	4064
Beaver Creek.....	Fonda, Mrs. N. I.....	Los Angeles.....	Pump.....	Irrig.....	.39	21	19	5	Boone.....	Aug.	30	1947	4103
Beaver Creek.....	Koeppen, George.....	Albion.....	Pump.....	Irrig.....	.35	6	19	5	Boone.....	Jan.	7	1948	4168
Beaver Creek.....	Bowman, Eldon E.....	Lincoln.....	Pump.....	Irrig.....		36	20	6	Boone.....	May	1	1948	4255

Beaver Creek.....	Zurowski, Leo J.....	Albion.....	Pump.....	Irrig.....		21	19	5	Boone.....	July	23	1948	4311
Bogus Creek.....	Carter, Kenneth W.....	St. Edward.....	Pump.....	Irrig.....	1.02	11	18	5	Boone.....	May	11	1937	2741
Bogus Creek.....	Hall, Edward C.....	St. Edward.....	Pump No. 2.....	Irrig.....	.11	12	18	5	Boone.....	Sept.	5	1940	3255
Calamus River.....	Calamus Irrig. District.....	Harrop.....	Calamus Canal.....	Irrig.....	121.18	5	24	20	Loup.....	Oct.	31	1925	1785
Calamus River.....	Calamus Irrig. District.....	Harrop.....	Calamus Reservoir.....	Storage.....	†650AF	5	24	20	Loup.....	June	8	1926	1816
Calamus River.....	Calamus Irrig. District.....	Harrop.....	Calamus Canal.....	Irrig.....	4.86	5	24	20	Loup.....	Jan.	12	1927	1883
Calamus River.....	Philipps, J. C., et al.....	Burwell.....	Pump.....	Irrig.....	.53	25	25	21	Brown.....	June	13	1932	2273
Calamus River.....	Hesselgesser, Glen.....	Burwell.....	Pump.....	Irrig.....	.34	9	22	17	Loup.....	Oct.	28	1941	3527
Calamus River.....	Webb, H. H.....	Burwell.....	Pump.....	Irrig.....	.70	25	22	17	Loup.....	Apr.	26	1948	4249
Calamus River.....	Walford, R. B.....	Burwell.....	Pump.....	Irrig.....	.88	25	22	17	Loup.....	May	8	1948	4261
Cedar River.....	Consumers P. P. Dist.....	Columbus.....	Van Ackeren Plant.....	Power.....	290.00	5	18	7	Boone.....	May	1	1881	1049
Cedar River (See A-1686)	Consumers P. P. Dist.....	Columbus.....	Fullerton Plant.....	Power.....	200.00	11	16	6	Nance.....	Sept.	9	1901	636
Cedar River.....	Consumers P. P. Dist.....	Columbus.....	Ericson Plant.....	Power.....	175.00	25	21	12	Wheeler.....	May	24	1915	1415
Cedar River.....	Consumers P. P. Dist.....	Columbus.....	Ericson Plant.....	Rs. Dam.....	A-1415	25	21	12	Wheeler.....	May	17	1929	2081
Cedar River (See A-636)	Consumers P. P. Dist.....	Columbus.....	Fullerton Plant.....	Power.....	250.00	11	16	6	Nance.....	Aug.	8	1922	1686
Cedar River.....	Consumers P. P. Dist.....	Columbus.....	Fullerton Plant.....	Rs. Dam.....	A-636	11	16	6	Nance.....	Jan.	27	1925	1758
					A-1686								
Cedar River.....	Christensen, Chas.....	Fullerton.....	Pump.....	Irrig.....	2.37	30	17	6	Nance.....	Sept.	29	1931	2240
Cedar River.....	Dopslauf, Donald L.....	Houston, Texas	Pumps.....	Irrig.....	4.01	23	19	8	Boone.....	Feb.	14	1934	2364
	Dopslauf, Bozena.....					24	19	8	Boone.....	Feb.	14	1934	2364
Cedar River.....	Haggerty, John C.....	Spalding.....	Pump.....	Irrig.....	.30	34	20	9	Greeley.....	May	31	1934	2390
Cedar River.....	Haggerty, John C.....	Spalding.....	Pump.....	Irrig.....	.76	34	20	9	Greeley.....	July	20	1936	2592
Cedar River.....	Kinnier, Susan, et al.....	Spalding.....	Pump.....	Irrig.....	.57	28	20	9	Greeley.....	Aug.	17	1936	2617
Cedar River.....	Dodson, W. H., et al.....	Cedar Rapids.....	Pump.....	Irrig.....	1.11	25	19	8	Boone.....	Feb.	24	1937	2702
Cedar River.....	Dodson, W. H.....	Cedar Rapids.....	Pump.....	Irrig.....	.98	23	19	18	Boone.....	Feb.	24	1937	2702R
Cedar River.....	Wise, Rudolph.....	Houston.....	Pump.....	Irrig.....	.65	17	19	8	Boone.....	Nov.	22	1937	2807
Cedar River.....	Batenhorst, Mrs. Anna.....	Cedar Rapids.....	Pump.....	Irrig.....	2.00	15	18	7	Boone.....	Dec.	29	1937	2819
Cedar River.....	Warren, Viola L.....	New York.....	Pump.....	Irrig.....	.30	9	18	7	Boone.....	Jan.	25	1938	2830

† Reservoir capacity alleged by applicant.
See appropriations under Mud (Beaver) Creek.
'R' Denotes relocation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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.....	Dodd, Mary.....	Redondabeach,	Pump	Irrig.....	.79	9	18	7	Boone.....	Jan.	25	1938	2830R
Cedar River.....	Homan, John M.....	Cedar Rapids.	Pump	Irrig.....	.81	9	18	7	Boone.....	Feb.	7	1938	2834
Cedar River.....	Scott, Leonard A.....	Belgrade.....	Pump	Irrig.....	.89	1	17	7	Nance.....	Oct.	4	1938	2887
Cedar River.....	Noble, Leah E.....	Lincoln.....	Pump	Irrig.....	.49	32	19	7	Boone.....	Nov.	19	1938	2895
Cedar River.....	Cedar Valley Public Pow. and Irrig. Dist.	Cedar Rapids.	Cedar Valley Canal.....	Irrig.....		5	20	10	Greeley.....	Apr.	24	1939	2916a*
Cedar River.....	Cedar Valley Public Pow. and Irrig. Dist.	Cedar Rapids.	Cedar Valley Canal.....	Irrig.....		5	20	10	Greeley.....	Apr.	24	1939	2916b*
Cedar River.....	Cedar Valley Public Pow. and Irrig. Dist.	Cedar Rapids.	Cedar Valley Canal.....	Irrig.....		22	19	8	Boone.....	Apr.	24	1939	2916c*
Cedar River.....	Cedar Valley Public Pow. and Irrig. Dist.	Cedar Rapids.	Cedar Valley Reservoir..	Storage...		4	20	11	Greeley.....	May	11	1939	2921*
Cedar River.....	Hodges, Herbert and Herbert F.	Fullerton.....	Pump	Irrig.....	.23	31	17	6	Nance.....	Sept.	30	1939	2979
Cedar River.....	Vanderheiden, Louis L.....	Cedar Rapids.	Pump	Irrig.....	.41	5	18	7	Boone.....	Oct.	20	1939	2993
Cedar River.....	Lowery, J. B.....	Burwell.....	Pump	Irrig.....	.29	21	24	14	Garfield....	Nov.	22	1939	3027
Cedar River.....	Palmer, George.....	Fullerton.....	Pump	Irrig.....	.15	33	17	6	Nance.....	Dec.	15	1939	3051
Cedar River.....	Stanton and Young.....	Alliance, Ohio.	Pumps	Irrig.....	.53	29	17	6	Nance.....	Jan.	8	1940	3071
						33	17	6	Nance.....	Jan.	8	1940	3071
Cedar River.....	Foland, Ona B.....	Anaheim, Cal.	Pump	Irrig.....	.51	26	18	7	Boone.....	Aug.	17	1940	3233
Cedar River.....	Swerczek, Walter.....	Cedar Rapids.	Pump	Irrig.....	.91	31	19	7	Boone.....	Sept.	9	1940	3257
Cedar River.....	Miller, Jacob, et al.....	Primrose.....	Pump	Irrig.....	1.51	17	19	8	Boone.....	Sept.	12	1940	3264
Cedar River.....	DeWulf, Gus.....	Cedar Rapids.	Pump	Irrig.....	.26	15	18	7	Boone.....	Oct.	24	1940	3309
Cedar River.....	Homan, Mat.....	Cedar Rapids.	Pump	Irrig.....	.20	31	19	7	Boone.....	Nov.	15	1940	3330
Cedar River.....	McKinney, Brayton F.....	Spalding.....	Pump No. 1.....	Irrig.....	.50	30	19	7	Boone.....	Feb.	14	1941	3390
Cedar River.....	Davis, William D.....	Primrose.....	Pump	Irrig.....	.69	25	19	8	Boone.....	Sept.	10	1941	3499
Cedar River.....	Homan, John M.....	Cedar Rapids.	Pump	Irrig.....	.08	9	18	7	Boone.....	Mar.	11	1942	3559

Cedar River.....	Diessner, Magnus A.....	Primrose.....	Pump.....	Irrig.....	.58	1	19	9	Greeley.....	Sept.	16	1943	3650
Cedar River.....	Thompson, D. C.....	Spalding.....	Pump.....	Irrig.....	.59	34	20	9	Greeley.....	Sept.	22	1943	3654
Cedar River.....	Paalman, Arend J.....	Cedar Rapids.....	Pump.....	Irrig.....	.44	22	18	7	Boone.....	Oct.	20	1943	3660
Cedar River.....	Wise, Mrs. Marie.....	Houston.....	Pump.....	Irrig.....	.58	25	19	8	Boone.....	Nov.	18	1943	3662
Cedar River.....	Campbell, H. V.....	Belgrade.....	Pump.....	Irrig.....	.49	35	18	7	Nance.....	Feb.	7	1944	3682
Cedar River.....	Burnside, Mrs. Fannie.....	Belgrade.....	Pump.....	Irrig.....	.58	22	18	7	Boone.....	Feb.	10	1944	3685
Cedar River.....	Zabka, Chas.....	Belgrade.....	Pump.....	Irrig.....	.24	35	18	7	Nance.....	Feb.	15	1944	3686
Cedar River.....	Walker, Fred G.....	Cedar Rapids.....	Pump.....	Irrig.....	.22	5	18	7	Boone.....	June	22	1944	3736
Cedar River.....	Casper, Jennie E.....	Belgrade.....	Pump.....	Irrig.....	.22	25	19	8	Boone.....	July	31	1944	3747
Cedar River.....	Dodson, W. H.....	Cedar Rapids.....	Pump.....	Irrig.....	.46	23	19	8	Boone.....	Aug.	16	1944	3752
Cedar River.....	McKinney, Brayton F.....	Spalding.....	Pump.....	Irrig.....	.09	30	19	7	Boone.....	Feb.	6	1945	3807
Cedar River.....	Ewing, Fred E.....	Cedar Rapids.....	Pump.....	Irrig.....	.80	30	19	7	Boone.....	Feb.	19	1945	3810
Cedar River.....	Smith, Eldon J.....	Burwell.....	Pump.....	Irrig.....	.52	4	20	11	Greeley.....	Feb.	4	1947	4030
Cedar River.....	Primrose, Wm.....	Primrose.....	Pump.....	Irrig.....	.64	8	19	8	Boone.....	Feb.	17	1947	4037
Cedar River.....	Weil, Billie A.....	Ericson.....	Pump.....	Irrig.....	.40	3	20	11	Greeley.....	Feb.	20	1947	4040
Cedar River.....	Scott, Leonard.....	Belgrade.....	Pump.....	Irrig.....	.11	1	17	7	Nance.....	Mar.	29	1947	4055
Cedar River.....	Campbell, H. V.....	Belgrade.....	Pump.....	Irrig.....	.29	35	18	7	Nance.....	Mar.	31	1947	4058
Cedar River.....	Vosburgh, S. H.....	Belgrade.....	Pump.....	Irrig.....	1.36	13	17	7	Nance.....	Mar.	31	1947	4059
Cedar River.....	Smith, Eldon J.....	Burwell.....	Pump.....	Irrig.....	.72	4	20	11	Greeley.....	Oct.	7	1947	4122
Cedar River.....	Bernt, John C.....	Spalding.....	Pump No. 2.....	Irrig.....	.19	6	20	10	Greeley.....	Nov.	14	1947	4145
Cedar River.....	McManigal, G. E.....	Los Angeles.....	Pump.....	Irrig.....	.81	26	18	7	Boone.....	Dec.	8	1947	4155
Cedar River.....	Lockhart, Gerald.....	Ericson.....	Pump.....	Irrig.....	1.00	31	21	11	Wheeler.....	Jan.	2	1948	4164
Cedar River.....	Swanson, Max V.....	Belgrade.....	Pump.....	Irrig.....	.30	19	17	6	Nance.....	Feb.	14	1948	4208
Cedar River.....	Swerczek, Walter.....	Cedar Rapids.....	Pump.....	Irrig.....		31	19	7	Boone.....	July	10	1948	4304
Cedar River.....	Malander, Gerald.....	Belgrade.....	Pump.....	Irrig.....		12	17	7	Nance.....	Sept.	8	1948	4339
Clear Creek.....	Sherbeck, Albert I., Estate	Westerville.....	Pumps.....	Irrig.....	4.13	5	16	17	Custer.....	Feb.	7	1927	1894
Clear Creek.....	Dean, Paul H.....	Broken Bow.....	Pump.....	Irrig.....		4	16	17	Custer.....	Feb.	7	1927	1894
Clear Creek.....	Lowery, Maurice T.....	Mason City.....	Pump.....	Irrig.....	2.43	36	16	17	Custer.....	Oct.	18	1927	1962
Clear Creek.....					1.11	1	15	17	Custer.....	Aug.	22	1928	2026

"R" Denotes relocation.

* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Clear Creek.....	Dean, Paul H.....	Broken Bow...	Pump.....	Irrig.....	2.00	22	16	17	Custer.....	Oct.	9	1928		2040
Clear Creek.....	Banker, Louis, Jr.....	Kanawha, Ia...	Pump.....	Irrig.....	.13	36	14	16	Sherman...	Mar.	30	1934		2370
Clear Creek.....	Vansant and Scott.....	Ansley.....	Pump.....	Irrig.....	.96	27	17	18	Custer.....	Dec.	15	1938		2900
Clear Creek.....	Heapy, Albert.....	Litchfield....	Pump.....	Irrig.....	.15	10	14	16	Sherman...	Nov.	2	1939		3004
Clear Creek.....	Casteel, A.....	Ansley.....	Pump.....	Irrig.....	.93	1	16	18	Custer.....	Dec.	12	1939		3049
Clear Creek.....	Heapy, Albert.....	Litchfield....	Pump No. 2....	Irrig.....	.17	10	14	16	Sherman...	Jan.	9	1941		3364
Clear Creek.....	Kohls, L. J.....	Litchfield....	Pump.....	Irrig.....	.13	4	14	16	Sherman...	May	3	1945		3829
Clear Creek.....	Cherry, John J.....	Litchfield....	Pump.....	Irrig.....	.18	33	15	16	Sherman...	Sept.	28	1945		3855
Clear Creek.....	Kusek, Vincent.....	Loup City.....	Pump.....	Irrig.....	.29	17	15	16	Sherman...	June	15	1946		3916
Clear Creek.....	Packer, Darrell R.....	Loup City.....	Pump.....	Irrig.....	.16	7	15	16	Sherman...	Feb.	10	1947		4031
Clear Creek.....	Bernt, John C.....	Spalding.....	Pump No. 1....	Irrig.....	.16	6	20	10	Greeley....	Nov.	14	1947		4144
Clear Creek.....	Vocke, W. L.....	Litchfield....	Pump.....	Irrig.....	.30	17	15	16	Sherman...	Jan.	6	1948		4167
Clear Creek.....	Kusek, Vincent.....	Loup City.....	Pump.....	Irrig.....	.15	17	15	16	Sherman...	June	19	1948		4292
Clear Creek.....	Cherry, John J.....	Litchfield....	Pump No. 2....	Irrig.....		33	15	16	Sherman...	June	21	1948		4294
Clear Creek.....	Burton, Delbert.....	Litchfield....	Pump.....	Irrig.....		3	14	16	Sherman...	July	31	1948		4317
Clear Creek Ravine, Trib. to #Clear Creek...	Welsh, W. M.....	Lincoln.....	Welsh Reservoir.	Storage...	†28AF	36	17	18	Custer.....	May	2	1941		3437
Coble Reservoir..	Glaser, Louis N.....	Spalding.....	Pump.....	Irrig.....	.99	31	21	10	Wheeler...	June	7	1943		3616
Cold Spring Cr...	Coble, W. C.....	Whitman.....	High Line Canal.	Supple. I..	A-2525	20	28	35	Cherry.....	Oct.	10	1934		2574
Cold Spring Cr...	Ballweg, Michael.....	Spalding.....	Pump.....	Irrig.....	.84	11	20	10	Greeley....	Mar.	14	1940		3118
Cold Spring Cr...	Glaser, Joseph.....	Spalding.....	Pump.....	Irrig.....	.85	14	20	10	Greeley....	Sept.	11	1942		3586
Columbus Drain Ditch	Segelke, Bess.....	Columbus.....	Pump.....	Irrig.....	.54	8	17	1E	Platte.....	Mar.	5	1941		3408
Cotton Creek....	Olsen, James.....	Farwell.....	Pump.....	Irrig.....	.12	6	14	11	Howard....	Oct.	25	1940		3311
Cow Creek.....	Hanna, Don E.....	Brownlee.....	Homestead Canal.	Irrig.....	2.29	7	26	27	Cherry.....	July	14	1894	194	

BUREAU OF IRRIGATION

Dane Creek.....	Koupal, Frank.....	Ord.....	Koupal Canal.....	Irrig.....	.14	20	19	14	Valley.....	July	5	1912	1207
Davis Creek.....	Christensen, Martin.....	Solvang, Cal..	Pump.....	Irrig.....	.25	7	16	12	Howard.....	Aug.	4	1937	2769
Deer Creek.....	Eighmy, Mervin R.....	Lincoln.....	Pump.....	Irrig.....	1.00	8	13	19	Custer.....	Mar.	7	1946	3881
Deer Creek.....	Wood, Frank.....	Sumner.....	Pump.....	Irrig.....	1.72	8	13	19	Custer.....	Oct.	10	1946	3978
Dismal River....	Van Antwerp, A. J., et al	Broken Bow..	Dismal Canal.....	Irrig.....		21	21	26	Thomas.....	Aug.	18	1938	2880*
Duck Creek.....	Bartunek, Edward.....	Linwood.....	Pump.....	Irrig.....	.41	23	17	4E	Butler.....	Sept.	23	1941	3509
Dutchman Creek (See Spg. Br.)													
Elm Creek.....	Stewart, Wayne E.....	Ord.....	Pump.....	Irrig.....	1.68	25	19	14	Valley.....	Sept.	30	1929	2107
Elm Creek.....	Rutar, Joe, Jr.....	Ord.....	Pump.....	Irrig.....	.16	24	19	14	Valley.....	June	12	1943	3619
Elm Creek.....	Rutar, Stanley.....	Ord.....	Pump.....	Irrig.....	.31	25	19	14	Valley.....	Dec.	21	1944	3789
Fish Creek.....	Boilsen, Chris.....	Cotesfield.....	Pumps.....	Irrig.....	.15	1	16	12	Howard.....	Dec.	19	1940	3355
						6	16	11	Howard.....	Dec.	19	1940	3355
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
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*
Ground Water....	The Prudential Ins. Co.	Omaha.....	Prudential Well.....	Irrig.....		21	18	2E	Colfax.....	July	25	1941	3468*
Ground Water....	The Prudential Ins. Co.	Omaha.....	Prudential Well.....	Irrig.....		6	15	18	Custer.....	July	25	1941	3469*
Ground Water....	The Prudential Ins. Co.	Omaha.....	Prudential Well.....	Irrig.....		21	18	2E	Colfax.....	July	25	1941	3470*
Ground Water....	Lewin, Inez F.....	Arcadia.....	Lewin Well.....	Irrig.....		36	17	17	Custer.....	Oct.	6	1941	3514*

* Denotes application pending.

† Reservoir capacity alleged by applicant.

Clear Creek in Wheeler County is a different stream than Clear Creek in Sherman and Custer Counties.

Supple. 1. Denotes storage water in addition to direct flow.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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...	Craft, Burt.....	North Loup...	Craft Well.....	Irrig.....		6	17	12	Greeley.....	Jan.	11	1943	3593*
Ground Water...	Tomek, Phillip A.....	David City.....	Tomek Well.....	Irrig.....		12	16	2	Butler.....	Apr.	9	1943	3605*
Ground Water...	Patterson, Kenneth O.....	Primrose.....	Patterson Well.....	Irrig.....		15	19	8	Boone.....	Oct.	7	1943	3657*
Ground Water...	Patterson, Catherine.....	Primrose.....	Patterson Well.....	Irrig.....		4	19	8	Boone.....	Oct.	7	1943	3658*
Ground Water...	Benham, Emma L.....	Albion.....	Benham Well.....	Irrig.....		31	19	7	Boone.....	Oct.	15	1943	3659*
Ground Water...	Rinder, H. A.....	Columbus.....	Rinder Well.....	Irrig.....		19	19	2	Platte.....	Feb.	16	1944	3687*
Ground Water...	Bryan, Laurence M.....	St. Edward.....	Bryan Well.....	Irrig.....		28	19	5	Boone.....	Feb.	16	1944	3688*
Ground Water...	Nielsen, E. M.....	Columbus.....	Nielsen Well.....	Irrig.....		33	17	1	Platte.....	May	12	1944	3726*
Ground Water...	Choat, Elmer.....	St. Edward.....	E. Choat Well.....	Irrig.....		16	19	5	Boone.....	Sept.	7	1944	3764*
Ground Water...	Choat, M. L.....	St. Edward.....	Choat Well.....	Irrig.....		4	19	5	Boone.....	Sept.	9	1944	3765*
Ground Water...	Choat, Clarence.....	St. Edward.....	Choat Well.....	Irrig.....		28	19	5	Boone.....	Jan.	31	1945	3804*
Ground Water...	Fisher, Marion.....	Albion.....	Fisher Well.....	Irrig.....		29	19	5	Boone.....	Oct.	25	1946	3989*
Ground Water...	Johnson, Zonger.....	St. Edward.....	Johnson Well.....	Irrig.....		32	19	5	Boone.....	Oct.	31	1946	3995*
Ground Water...	Parrott, George.....	Albion.....	Parrott Well.....	Irrig.....		33	19	5	Boone.....	Nov.	20	1946	4008*
Ground Water...	Packer, Darrell R.....	Loup City.....	Packer Well.....	Irrig.....		7	15	16	Sherman.....	Feb.	10	1947	4032*
Ground Water...	Cosner, John.....	Sargent.....	Cosner Well.....	Irrig.....		27	20	18	Custer.....	June	13	1947	4081*
Ground Water...	Fellows, Oliver W.....	Sargent.....	Fellows Well.....	Irrig.....		34	20	18	Custer.....	Aug.	21	1947	4099*
Ground Water...	Mares, Victor.....	Schuyler.....	Mares Well.....	Irrig.....		31	18	4	Colfax.....	Oct.	9	1947	4124*
Ground Water...	Slangal, Frank, et al.....	Sargent.....	Slangal Well.....	Irrig.....		27	20	18	Custer.....	Jan.	12	1948	4179*
Ground Water...	Jensen, Chris.....	Fullerton.....	Jensen Well No. 1.....	Irrig.....		5	15	5	Nance.....	Jan.	21	1948	4187*
Ground Water...	Wolf, Robert F. and James M.....	Albion.....	Wolf Well.....	Irrig.....		15	20	6	Boone.....	Feb.	5	1948	4201*
Ground Water...	Wolf, Robert F. and James M.....	Albion.....	Wolf Well.....	Irrig.....		15	20	6	Boone.....	Feb.	5	1948	4202*
Ground Water...	Semler, G. R.....	Sargent.....	Semler Well.....	Irrig.....		3	19	18	Custer.....	Feb.	25	1948	4214*
Ground Water...	Grint, Harold.....	Sargent.....	Grint Well.....	Irrig.....		9	19	17	Custer.....	Apr.	20	1948	4247*
Ground Water...	Urban, Willie.....	Comstock.....	Urban Well.....	Irrig.....		31	18	16	Valley.....	May	3	1948	4256*

Ground Water	Morback, Joseph J.	Bellwood	Morback Well	Irrig.	.27	16	2E	Butler	May	3	1948	4258*	
Ground Water	Johnson, L. O.	Sweetwater	Johnson Well	Irrig.	.36	13	15	Sherman	July	19	1948	4308*	
Ground Water	Johnson, J. Victor	Sweetwater	Johnson Well	Irrig.	.35	13	15	Sherman	Aug.	23	1948	4330*	
Ground Water	Lindly Brothers	Anselmo	Lindly Bros. Well	Irrig.	.22	19	22	Custer	Sept.	8	1948	4336*	
Hawthorne Creek	Hughes, Ralph	Arcadia	Pump	Irrig.	.37	26	17	16	Valley	Jan.	8	1946	3862
Homan Creek	Homan, Matt.	Cedar Rapids	Pump	Irrig.	1.40	31	19	7	Boone	Jan.	6	1938	2820
Lake Creek	Toman, Joseph C.	St. Paul	Toman Lake	Resort	†15AF	36	15	10	Howard	Nov.	11	1936	2658
Lee Creek	Lewin, Inez F.	Arcadia	Lewin Reservoir	Storage	†49AF	19	17	16	Valley	June	7	1946	3913
Lillian Creek	Davis, Frank J.	Broken Bow	Pump	Irrig.	4.90	1	19	20	Custer	Feb.	7	1927	1895
Lillian Creek	Phillips, Seba. E.	Gates	Myers Canal	Irrig.	.11	15	19	20	Custer	Aug.	30	1927	1956
Looking Glass Creek	Gerrard, E. A. and F. H. Gerrard	Monroe	Monroe Canal	Irrig.	2.86	1	17	3	Platte	June	12	1894	289
Looking Glass Creek	Christman, Minnie.	Monroe	Pump	Irrig.	.94	5	17	3	Platte	July	26	1941	3472
Loseke Creek	Klug, Arthur and Emil.	Columbus	Pump	Irrig.	.27	13	18	1E	Platte	Nov.	2	1939	3005
Lost Creek (Warm Slough)	Kolouch, Fred.	Schuyler	Pump	Irrig.	1.30	28	17	3E	Colfax	Oct.	12	1928	2041
Lost Creek (Slough)	Ballou, James	Schuyler	Ballou Lake	Resort	†14AF	29	17	3E	Colfax	June	11	1934	2406
Lost Creek	Ballou, James	Schuyler	Pump	Irrig.	.91	29	17	3E	Colfax	Aug.	28	1936	2628
Lost Creek	City of Schuyler	Schuyler	Community Park Lake	Resort	†15AF	21	17	3E	Colfax	May	15	1937	2742
Lost Creek	Reisch, Mary	Springfield, Illinois	Pump	Irrig.	.51	21	17	2E	Colfax	Jan.	7	1938	2824
Lost Creek	Oehlrich, Herman, et al.	Columbus	Pump	Irrig.	.76	20	17	2E	Colfax	Nov.	15	1939	3018
Lost Creek	Siefken, John H.	Columbus	Pump	Irrig.	.25	30	17	2E	Colfax	Dec.	15	1939	3054
Lost Creek	Hellbusch, Herman	Columbus	Pump	Irrig.	.57	18	17	1E	Platte	Dec.	18	1939	3059
Lost Creek	Shuster, Leonard	Schuyler	Pump	Irrig.	1.66	23	17	3E	Colfax	Sept.	17	1941	3507

* Denotes application pending.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Lost Creek	Sheldon, Blanche	Columbus	Pump	Irrig.	.69	11	17	1	Platte	May	9	1944		3724
Lost Creek	Burley, Lowell	Columbus	Pump	Irrig.	.64	30	17	2E	Colfax	July	28	1947		4088
Lost Creek	Nelson, Roy	Schuyler	Pump	Irrig.	.70	27	17	2E	Colfax	Aug.	11	1947		4092
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	Increase Head	A-2287	6	16	4	Nance	Apr.	4	1936		2573
Loup River	Forbes, Everett	Palmer	Pump	Irrig.	.16	16	15	8	Nance	Oct.	18	1939		2989
Loup River	Sheldon, Charles H.	Columbus	Pump No. 2	Irrig.	.15	25	17	1	Platte	Nov.	4	1939		3008
Loup River	Carter, Kathryn	Columbus	Columbus-Genoa Power Canal	Irrig.	.70	6	16	4	Nance	Feb.	23	1940		3093
Loup River	Forbes, Mrs. J. A.	Palmer	Pump	Irrig.	.57	16	15	8	Nance	June	4	1940		3171
Loup River	Santin and Vaughn	Fullerton	Pump	Irrig.	2.30	6	15	6	Nance	Aug.	8	1940		3227
Loup River	Paulsen, G. W.	Cushing	Pump	Irrig.	.29	12	15	9	Howard	May	7	1941		3440
Loup River	Swanson, J. S.	St. Paul	Pump	Irrig.	1.59	32	14	10	Howard	Nov.	22	1941		3533
Loup River	Schubert, Max Franz	Palmer	Pump	Irrig.	.16	7	15	8	Merrick	Jan.	8	1942		3543
Loup River	Twin Valley Irrigation Association	St. Paul	St. Paul Reservoir	Storage		9	15	9	Howard	June	28	1944		3740*
Loup River	Luchsinger, Ernest	Columbus	Columbus-Genoa Power Canal	Irrig.	1.23	6	14	4	Nance	June	9	1947		4079
Loup River	Zuroske, John, Estate	Fullerton	Pump	Irrig.		31	16	6	Nance	June	10	1948		4284
Loup River	Cook, Otto	Columbus	Columbus-Genoa Power Canal	Irrig.		6	16	4	Nance	Sept.	8	1948		4340
Loup River Slough, Trib. to	Hunter, Helen S.	Columbus	Pump	Irrig.	.29	15	17	1	Platte	June	22	1944		3735
Loup R., Middle (See A-1224)	Consumers P. P. Dist.	Columbus	Lundy Power Plant	Power	200.00	9	19	19	Custer	Aug.	1	1886	1024	

Loup R., Middle.	Muhlbach, Fred.....	Mullen.....	Mullen Power Plant.....	Power.....	124.00	6	24	32	Hooker.....	Mar.	12	1912	1185
Loup R., Middle.	St. Paul Elec. Works.....	St. Paul.....	St. Paul Plant.....	Power.....	2000.00	3	14	10	Howard.....	Aug.	12	1912	1216
Loup R., Middle (See D-1024)	Consumers P. P. Dist.....	Columbus.....	Lundy Power Plant.....	Power.....	400.00	9	19	19	Custer.....	Sept.	16	1912	1224
Loup R., Middle.	U. S. of America.....	Halsey.....	Bessey Nursery Canal....	Irrig.....	1.00	3	22	26	Thomas.....	Sept.	16	1912	1226
Loup R., Middle.	Holmes, Ted W., et al.....	Milburn.....	Loup Valley Canal.....	Irrig.....	.86	36	20	21	Custer.....	May	31	1913	1294
Loup R., Middle.	Consumers P. P. Dist.....	Columbus.....	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.	Middle Loup Public Power & Irrig. Dist.	Arcadia.....	Arcadia Plant.....	Power.....		35	18	17	Custer.....	Apr.	4	1927	1918*
Loup R., Middle.	Knapp, Harry R.....	Broken Bow.....	Pump.....	Irrig.....	5.49	32	15	14	Sherman.....	July	18	1927	1943
Loup R., Middle.	Klausen, Earl, et al.....	Rockville.....	Klausen Canal.....	Irrig.....	2.17	36	14	14	Sherman.....	Aug.	14	1929	2095
Loup R., Middle.	Kowalski, Mary.....	Loup City.....	John Canal.....	Irrig.....	.59	18	15	14	Sherman.....	Sept.	18	1929	2105
Loup R., Middle.	Obermiller, John H.....	Farwell.....	Pump.....	Irrig.....	.97	28	13	12	Howard.....	May	7	1930	2139
Loup R., Middle.	Haesler, John.....	Loup City.....	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.....	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.....	Pump.....	Irrig.....	1.36	36	20	21	Custer.....	July	8	1933	2330
Loup R., Middle.	Leininger, John P.....	Loup City.....	Pump.....	Irrig.....	.93	12	15	15	Sherman.....	June	2	1934	2395
Loup R., Middle.	McMillan, Thos. Wright, et al	Milburn.....	Rankin Canal.....	Irrig.....	14.59	4	21	23	Blaine.....	Sept.	22	1934	2477
Loup R., Middle.	McMillan, Thos. Wright, et al	Milburn.....	McMillan Canal.....	Irrig.....	6.97	23	21	22	Blaine.....	Sept.	22	1934	2477 R
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

* Denotes application pending.

"R" Denotes relocation.

**By stipulation entered into by each of the following districts: The Loup 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. See Supreme Court Opinion Number 31410.

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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.	McMillan, Thos. Wright, et al	Broken Bow...	McMillan Canal.....	Irrig.....	8.21	23	21	22	Blaine.....	Oct.	22	1937	2797
Loup R., Middle.	Vandeventer, A.....	Dunning.....	Pump.....	Irrig.....	1.10	30	22	24	Blaine.....	Oct.	7	1938	2888
Loup R., Middle.	Sargent Public Irrig. District	Sargent.....	Milburn-Sargent Canal...	Irrig.....	109.74	15	21	22	Blaine.....	Sept.	23	1939	2970
Loup R., Middle.	Drobny, Lad.....	Martin, S. D.....	Pump.....	Irrig.....	1.23	35	18	17	Custer.....	Oct.	23	1939	2995
Loup R., Middle.	Game, Forestation and 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...	Storage...	†1334AF	15	21	22	Blaine.....	Mar.	6	1940	3105
Loup R., Middle (Winnegar Canyon)	Sargent Public Irrig. District	Sargent.....	Winnegar Reservoir.....	Storage...	†1530AF	15	21	22	Blaine.....	Mar.	6	1940	3106
Loup R., Middle.	Coslor, Earl A.....	Sargent.....	Doris Lake Canal.....	Irrig.....	1.23	9	19	19	Custer.....	June	25	1940	3190
Loup R., Middle.	Ogle, Arthur C.....	Loup City.....	Pump.....	Irrig.....	.31	4	14	14	Sherman....	Sept.	3	1940	3250
Loup R., Middle.	Fisher, Hattie.....	Ravenna.....	Pump.....	Irrig.....	.36	25	13	13	Sherman....	Oct.	24	1940	3307
Loup R., Middle.	Hedglin, E. L., Estate..	Eddyville.....	Pump.....	Irrig.....	.28	27	13	12	Howard.....	Dec.	2	1940	3338
Loup R., Middle.	Bals, Herbert H.....	Loup City.....	Pump.....	Irrig.....	.42	16	14	14	Sherman....	Jan.	15	1941	3368
Loup R., Middle.	Lemburg, W. H.....	Boelus.....	Pump.....	Irrig.....	.49	29	13	11	Howard.....	Jan.	8	1942	3542
Loup R., Middle.	Hadenfeldt, Wm. Mrs..	Dannebrog....	Pump.....	Irrig.....	.19	28	13	11	Howard.....	June	10	1942	3575
Loup R., Middle.	Leonard, Jess Calvin, Estate	Oklahoma City, Okla.	Pump.....	Irrig.....	.09	10	19	18	Custer.....	Jan.	8	1944	3669
Loup R., Middle.	Ohme, Otto F.....	Mitchell.....	Pump.....	Irrig.....	2.19	1	17	17	Custer.....	Mar.	27	1944	3703
Loup R., Middle.	Seeber, Henry T.....	Boelus.....	Pump.....	Irrig.....	.40	29	13	12	Howard.....	Apr.	4	1944	3708
Loup R., Middle.	Twin Valley Irrig. Ass'n.	St. Paul.....	Fullerton South Canal...	Irrig.....		36	15	10	Howard.....	June	28	1944	3739*
Loup R., Middle.	Hunkins, Ivan.....	Comstock.....	Pump.....	Irrig.....		23	18	17	Custer.....	Feb.	6	1945	3806*
Loup R., Middle.	Dainton, F. Archie....	Sargent.....	Pump.....	Irrig.....	.50	10	19	19	Custer.....	Aug.	5	1946	3939

REPORT OF THE STATE ENGINEER

Loup R., Middle.	Middle Loup Public Power & Irrig. District	Arcadia.....	Canal No. 1 (South).....	Irrig.....	10	19	18	Custer.....	Oct.	11	1946	3979a*	
			Canal No. 2 (North).....	Irrig.....	10	19	18	Custer.....	Oct.	11	1946	3979b*	
			Canal No. 3.....	Irrig.....	1	17	17	Custer.....	Oct.	11	1948	3979c*	
			Canal No. 4.....	Irrig.....	36	18	17	Custer.....	Oct.	11	1946	3979d*	
Loup R., Middle.	Middle Loup Public Power & Irrig. District	Arcadia.....	Canal No. 1 (South).....	Irrig.....	10	19	18	Custer.....	Oct.	11	1946	3981a*	
			Canal No. 2 (North).....	Irrig.....	10	19	18	Custer.....	Oct.	11	1946	3981b*	
			Canal No. 3.....	Irrig.....	1	17	17	Custer.....	Oct.	11	1946	3981c*	
			Canal No. 4.....	Irrig.....	36	18	17	Custer.....	Oct.	11	1946	3981d*	
Loup R., Middle.	Nebraska Mid-State Pub. Power & Irrig. District	Grand Island.	Rockville Reservoir.....	Storage.....	8	13	13	Sherman...	Jan.	6	1947	4019*	
Loup R., Middle.	Paulsen, Raymond E....	St. Paul.....	Pump.....	Irrig.....	.11	10	14	Howard.....	Feb.	18	1947	4038	
Loup R., Middle.	Paul, Robert T.....	St. Paul.....	Pump.....	Irrig.....	1.15	10	14	Howard.....	Mar.	11	1947	4046	
Loup R., Middle.	Coslor, Earl A.....	Sargent.....	Pump.....	Irrig.....	3	19	19	Custer.....	Apr.	14	1947	4068*	
Loup R., Middle.	Visek, Ludvik.....	Comstock.....	Middle Loup District Canal No. 2	Irrig.....	.96	10	19	18	Custer.....	Oct.	22	1947	4131
Loup R., Middle Slough, Trib. to	Smedra, Ignac.....	Rockville.....	Pump.....	Irrig.....	.41	16	14	14	Sherman...	Sept.	30	1946	3971
Loup R., Middle Ravine, Trib. to	White, Allen.....	St. Paul.....	White Reservoir.....	Storage.....	†35AF	5	14	10	Howard.....	Oct.	29	1940	3313
Loup R., Middle Springs, Trib. to	Ash, Silas.....	Comstock.....	Middle Loup District Canal No. 1	Irrig.....	.34	10	19	18	Custer.....	Dec.	11	1939	3044 R
Loup R., Middle Springs, Trib. to	Erikson, G. Iver.....	Comstock.....	Pump.....	Irrig.....	.73	15	18	17	Custer.....	Apr.	17	1944	3714
Loup R., North...	Naab, J. Peter.....	Burwell.....	Pump.....	Irrig.....	1.40	28	21	17	Loup.....	Aug.	3	1929	2091
Loup R., North...	Anderson Brothers Irrig. Company	Hastings.....	Pump.....	Irrig.....	5.17	7	15	9	Howard.....	Apr.	5	1930	2131
Loup R., North...	Smith, Evet A., et al....	Ord.....	Pump.....	Irrig.....	2.25	9	19	14	Valley.....	Aug.	6	1930	2154

"R" Denotes relocation.

† Reservoir capacity alleged by applicant.

* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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., North...	Mortensen, Crawford J...	Ord.....	Taylor-Ord Canal.....	Irrig.....	1.94	13	21	19	Loup.....	Aug.	8	1930		2155
Loup R., North...	Stewart, Wm. J.....	Ord.....	Pump.....	Irrig.....	.54	9	19	14	Valley.....	Aug.	11	1930		2158
Loup R., North...	Jorgensen and Jensen...	St. Paul.....	Pump.....	Irrig.....	.83	16	15	10	Howard.....	Nov.	26	1930		2178
Loup R., North...	Salling, Ira L.....	St. Paul.....	Pump.....	Irrig.....	.86	7	15	9	Howard.....	Jan.	14	1931		2187
Loup R., North...	Cox, R. K.....	Purdum.....	Pumps.....	Irrig.....	4.87	9	24	25	Blaine.....	Feb.	25	1932		2255
						16	24	25	Blaine.....	Feb.	25	1932		2255
Loup R., North...	Newton Irrig. District...	Moulton.....	Newton Canal.....	Irrig.....	19.28	35	23	21	Blaine.....	Mar.	18	1932		2263
Loup R., North...	North Loup River	Ord.....	Taylor-Ord Canal	Irrig.....	120.18	13	21	19	Loup.....	Mar.	28	1933		2312**
	Public Power and Irrig. District		Ord-North Loup Canal...	Irrig.....	55.65	22	19	14	Valley.....	Mar.	28	1933		2312**
			Burwell-Sumter Canal...	Irrig.....	61.85	14	21	16	Garfield...	Mar.	28	1933		2312**
Loup R., North...	McOstrich, Darrel B.....	Ord.....	Pump.....	Irrig.....	.32	30	19	13	Valley.....	Mar.	28	1933		2312**R
Loup R., North...	Tetschner, Frank.....	Burwell.....	Pump.....	Irrig.....	.21	14	21	16	Garfield...	May	24	1933		2323
Loup R., North...	City of Ord.....	Ord.....	Pipe Line.....	Dom.....	1.00	22	19	14	Valley.....	Jan.	5	1934		2349
Loup R., North...	Cole, W. B., et al.....	Taylor.....	Taylor-Ord Canal.....	Irrig.....	1.31	13	21	19	Loup.....	July	6	1934		2417
Loup R., North...	Bales, Henry A.....	Burwell.....	Pump.....	Irrig.....	.65	11	21	16	Garfield...	July	14	1934		2427
Loup R., North...	Ford, Chas. F.....	Taylor.....	Pump.....	Irrig.....	.74	20	21	18	Loup.....	Aug.	6	1934		2455
Loup R., North...	Wake, Thos. H.....	Seward.....	Pump.....	Irrig.....	1.00	26	21	18	Loup.....	Aug.	20	1934		2467
Loup R., North...	Almeria Public Power and Irrig. District	Almeria.....	Almeria Canal.....	Irrig.....	12.09	10	22	20	Loup.....	Aug.	28	1934		2469
Loup R., North...	Coble, W. C.....	Whitman.....	Coble Canal.....	Irrig.....	.48	20	28	35	Cherry.....	Oct.	10	1934		2485
Loup R., North...	Coble, W. C.....	Whitman.....	Coble Reservoir.....	Storage.....	41A	20	28	35	Cherry.....	Oct.	10	1934		2486
Loup R., North...	Miller, Clinton J.....	Ord.....	Krebs Canal.....	Irrig.....	1.75	27	17	12	Greeley.....	Feb.	26	1935		2520
Loup R., North...	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.....	Pump.....	Irrig.....	1.32	36	23	21	Blaine.....	Sept.	8	1936		2635
Loup R., North...	Wells and Kilpatrick...	Cotesfield.....	Pump.....	Irrig.....	.12	12	16	12	Howard.....	Nov.	14	1936		2660
Loup R., North...	Rusho, Robert.....	Taylor.....	Pump.....	Irrig.....	1.11	33	22	19	Loup.....	Apr.	8	1937		2729
Loup R., North...	Pemberton, Jas. H., Est.	Palmer.....	Pump.....	Irrig.....	.46	2	16	12	Howard.....	Sept.	27	1937		2790

Loup R., North	Jensen, Bryan	St. Paul	Pump	Irrig.	.11	16	15	10	Howard	Nov.	27	1937	2808
Loup R., North	Van Diest, A. C. Estate	Taylor	Newton Canal	Irrig.	2.22	35	23	21	Blaine	Apr.	26	1938	2863
Loup R., North	Almeria Public Power and Irrig. District	Almeria	Almeria Canal	Irrig.	13.65	10	22	20	Loup	Apr.	29	1938	2868
Loup R., North	Cole, W. B., et al.	Taylor	Almeria Canal	Irrig.	6.46	10	22	20	Loup	Apr.	30	1938	2869
Loup R., North	Van Diest, A. C. Estate	Taylor	Pump	Irrig.	.89	24	21	17	Loup	May	12	1938	2874
Loup R., North	Newton Irrig. Dist.	Moulton	Newton Canal	Irrig.	.86	35	23	21	Blaine	May	29	1939	2927
Loup R., North	Wegner, F. C.	Palmer	Pump	Irrig.	.70	22	17	12	Greeley	Nov.	29	1939	3032
Loup R., North	Lakin, Glenn C.	Burwell	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*
Loup R., North	McOstrich, Darrell E.	Ord	Pump	Irrig.	.22	30	19	13	Valley	June	4	1940	3177
Loup R., North	North Loup River Public Power and Irrig. District	Ord	Taylor-Ord Canal	Irrig.		13	21	19	Loup	July	25	1940	3215a*
			Burwell-Sumter Canal	Irrig.		14	21	16	Garfield	July	25	1940	3215b*
			Ord-North Loup Canal	Irrig.		22	19	14	Valley	July	25	1940	3215c*
Loup R., North	Anderson, Carl F.	Elba	Pump	Irrig.	.25	17	15	10	Howard	Sept.	1	1942	3584
Loup R., North	Jensen, Bennie, et al.	North Loup	Ord-North Loup Canal	Irrig.	.47	22	19	14	Valley	Jan.	12	1944	3672
Loup R., North	Meyers, Charles	Burwell	Burwell-Sumpter Canal	Irrig.		14	21	16	Garfield	Mar.	9	1944	3697*
Loup R., North	Thomas, Vernon M.	North Loup	Pump	Irrig.	.29	19	18	12	Greeley	June	13	1944	3730
Loup R., North	Twin Valley Irrig. Ass'n	St. Paul	Scotia-St. Paul Canal	Irrig.		27	19	13	Valley	June	28	1944	3738a*
Loup R., North	Twin Valley Irrig. Ass'n	St. Paul	Fullerton North Canal	Irrig.		13	15	11	Howard	June	28	1944	3738b*
Loup R., North	Cook, W. J.	North Loup	Pump	Irrig.	.18	30	18	12	Greeley	Aug.	28	1944	3759
Loup R., North	Radke, Adam I.	Big Springs	Pump	Irrig.	.45	23	20	15	Valley	Sept.	23	1944	3768
Loup R., North	Farrell, L. R.	Scotia	Pump	Irrig.	.17	16	17	12	Greeley	Sept.	26	1944	3769
Loup R., North	Iwanski, James	Ord	Burwell-Sumpter Canal	Irrig.	.63	14	21	16	Garfield	Oct.	4	1944	3772
Loup R., North	Penas, J. W.	Burwell	Pump No. 1	Irrig.	.34	19	21	16	Garfield	Nov.	8	1944	3783
Loup R., North	Cook, W. J.	North Loup	Pump	Irrig.	.55	30	18	12	Greeley	Dec.	8	1944	3786
Loup R., North	Scott, Roy M.	Sargent	Pump	Irrig.	.69	13	21	19	Loup	Apr.	5	1945	3821
Loup R., North	Warford, John	Ord	Burwell-Sumpter Canal	Irrig.	.31	17	21	16	Garfield	Apr.	28	1945	3828
Loup R., North	Carson, Kit J.	Ord	Burwell-Sumpter Canal	Irrig.	.30	14	21	16	Garfield	May	9	1945	3831
Loup R., North	Noll, Clayton D.	Ord	Pump	Irrig.	.66	9	19	14	Valley	June	7	1945	3838

† Reservoir capacity alleged by applicant.

“R” Denotes relocation.

* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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., North...	Noll, Clayton D.....	Ord.....	Taylor-Ord Canal.....	Irrig.....	.12	13	21	19	Loup.....	June	7	1945	3839
Loup R., North...	Rogers, Wilbur A.....	Ord.....	Taylor-Ord Canal.....	Irrig.....	.47	13	21	19	Loup.....	July	10	1945	3846
Loup R., North...	Stewart, Ernest B.....	Ord.....	Taylor-Ord Canal.....	Irrig.....	.30	13	21	19	Loup.....	Apr.	15	1946	3892
Loup R., North...	Brown, Bashie.....	Denver, Colo.	Pump.....	Irrig.....	.10	22	20	15	Valley.....	May	10	1946	3906
Loup R., North...	North Loup River Pub. Power & Irrig. District	Ord.....	Taylor-Ord Canal.....	Irrig.....		18	13	21	Loup.....	Oct.	11	1946	3980a*
			Ord-North Loup Canal.....	Irrig.....		22	19	14	Valley.....	Oct.	11	1946	3980b*
			Burwell-Sumter Canal.....	Irrig.....		14	21	16	Garfield.....	Oct.	11	1946	3980c*
Loup R., North...	North Loup River Pub. Power & Irrig. District	Ord.....	Taylor-Ord Canal.....	Irrig.....		18	13	21	Loup.....	Oct.	11	1946	3982a*
			Ord-North Loup Canal.....	Irrig.....		22	19	14	Valley.....	Oct.	11	1946	3982b*
			Burwell-Sumpter Canal.....	Irrig.....		14	21	16	Garfield.....	Oct.	11	1946	3982c*
Loup R., North...	Honnold, C. L.....	Tuttle, Okla.	Pump.....	Irrig.....	.41	9	17	12	Greeley.....	Jan.	9	1947	4020
Loup R., North...	Wells, Lester M., et al.	Cotesfield.....	Pump.....	Irrig.....	.83	20	16	11	Howard.....	Apr.	4	1947	4061
Loup R., North...	Smith, Guy D.....	Brewster.....	Pump.....	Irrig.....	1.18	10	23	23	Blaine.....	July	1	1947	4084
Loup R., North...	Kruml, Frank.....	Burwell.....	Pump.....	Irrig.....	.40	21	21	16	Garfield.....	Oct.	25	1947	4137
Loup R., North...	Wallin, H. E.....	Taylor.....	Pump.....	Irrig.....	.54	13	21	19	Loup.....	Feb.	7	1948	4207
Loup R., North...	Knapp, Ray H.....	Ord.....	Ord-North Loup Canal.....	Irrig.....	.22	22	19	14	Valley.....	Mar.	12	1948	4231
Loup R., North...	Jurzenski, Anton.....	St. Paul.....	Pump.....	Irrig.....		16	15	10	Howard.....	June	5	1948	4279
Loup R., North...	Kruml, Frank.....	Burwell.....	Pump.....	Irrig.....		21	21	16	Garfield.....	July	10	1948	4303
Loup R., North...	Melville, Wm. A.....	Broken Bow.....	Pump.....	Irrig.....		5	26	27	Cherry.....	Aug.	26	1948	4332
Loup R., North...	Fisher, Frederick T.....	New Canaan, Conn.	Pump.....	Irrig.....		20	23	22	Blaine.....	Sept.	27	1948	4347*
Loup River, North Tributary to	Kent, Lulu.....	Burwell.....	Pump.....	Irrig.....	.05	29	21	15	Garfield.....	Oct.	5	1936	2644
Loup R., South...	Callaway Electric Co....	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	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	Pump	Irrig.	.57	5	12	13	Buffalo	June	7	1934	2400
Loup R., South	Wall, R. V.	Arnold	Pump	Irrig.	.32	35	18	26	Logan	June	18	1934	2410
Loup R., South	May, Jesse S.	Omaha	Pump	Irrig.	.75	15	15	22	Custer	Apr.	8	1937	2730
Loup R., South	Turley, F. E.	Arnold	Pump	Irrig.	.32	6	16	24	Custer	May	7	1937	2740
Loup R., South	Pressey, H. E., Estate	Oconto	Pump No. 2	Irrig.	.19	10	14	21	Custer	Feb.	28	1938	2841
Loup R., South	Smith, Lizzie B.	Long Beach	Pump	Irrig.	.77	16	15	22	Custer	Nov.	22	1939	3029
Loup R., South	Horn, Mrs. Charles R.	Broken Bow	Pump	Irrig.	1.23	32	15	21	Custer	Feb.	7	1940	3089
Loup R., South	Van Cleave, R. Harlen	Callaway	Pump	Irrig.	1.23	7	15	22	Custer	May	10	1940	3151
Loup R., South	Eichelberger, Alvin	Oconto	Pump	Irrig.	.45	10	14	21	Custer	June	21	1940	3186
Loup R., South	Glendy, Carl	Oconto	Pump	Irrig.	.66	13	14	21	Custer	July	6	1940	3195
Loup R., South	Hunter, Robert A.	Pleasanton	Pump	Irrig.	4.07	2	11	16	Buffalo	July	16	1940	3202
Loup R., South	Devine, Frank	Oconto	Pump	Irrig.	2.61	17	14	20	Custer	July	23	1940	3208
Loup R., South	Glendy, Leonard O.	Oconto	Pump	Irrig.	.25	13	14	21	Custer	July	26	1940	3218
Loup R., South	Popp, John	Mason City	Pump	Irrig.	.26	23	13	19	Custer	July	29	1940	3220
Loup R., South	Myers, Morris E.	Eddyville	Pump	Irrig.	.93	20	14	20	Custer	Aug.	14	1940	3231
Loup R., South	Lea, Joe W.	Pleasanton	Pump	Irrig.	.08	35	12	16	Buffalo	Oct.	7	1940	3282
Loup R., South	Glendy, Carl	Oconto	Pump	Irrig.	.27	13	14	21	Custer	Oct.	11	1940	3290
Loup R., South	Weaver, W. L.	Oconto	Pump	Irrig.	.30	24	15	22	Custer	Nov.	19	1940	3332
Loup R., South	Arrasmith, Wm. J.	Grand Island	Pump	Irrig.			5	12	Buffalo	Jan.	22	1941	3376*
Loup R., South	Michelson, James A.	Grand Island	Pump	Irrig.	1.69	35	13	12	Howard	Mar.	31	1943	3603
Loup R., South	Eggleston, Lige L.	Oconto	Pump	Irrig.	.55	14	14	21	Custer	Sept.	1	1943	3637
Loup R., South	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Cumro Reservoir	Storage		22	13	19	Custer	Jan.	6	1947	4018*
Loup R., South	Uhlig, Leonard	Callaway	Pump	Irrig.		24	15	22	Custer	June	17	1948	4290
Loup R., South	State Game and Parks Springs, Trib. to Commission	Lincoln	Ravenna State Lake	Resort	†80AF	9	12	14	Buffalo	Sept.	15	1939	2964

* Denotes application pending.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Messenger Creek..	Bartz, Paul.....	North Loup...	Pump.....	Irrig.....	.24	26	19	13	Valley.....	Dec.	20	1934	2501
Miller Reservoir...	Federal Land Bank.....	Omaha.....	Miller Canal.....	Irrig.....		35	14	11	Howard.....	Jan.	20	1934	2476
Mira Creek.....	Meyer, Paul H.....	North Loup...	Mira Reservoir.....	Storage...	†14AF	26	18	13	Valley.....	Mar.	8	1912	1182
Mira Res.....	Meyer, Paul H.....	North Loup...	Pump.....	Irrig.....		26	18	13	Valley.....	Mar.	8	1912	1239
Mira Creek.....	Otto, Chas.....	North Loup...	Hutchins Dam.....	Irrig.....	.03	26	18	13	Valley.....	Apr.	18	1916	1453
Mira Creek.....	Barber, Christa A.....	North Loup...	Pump.....	Irrig.....	.46	31	18	12	Greeley.....	Jan.	4	1945	3791
Morris Reservoir..	Morris, E. O.....	Ansley.....	Morris Canal.....	Irrig.....		9	15	18	Custer.....	Feb.	18	1941	3395
Mortensen Res....	Travelers Ins. Co.....	Omaha.....	Mortensen Canal.....	Irrig.....		21	14	11	Howard.....	Aug.	31	1931	2251
Mud (Beaver) Cr..	Ravenna Mills.....	Ravenna.....	Ravenna Mills.....	Power.....		8	12	14	Buffalo.....				1037*
Mud (Beaver) Cr..	Benson, C. W.....	Litchfield.....	Litchfield Mills.....	Power.....		33	14	16	Sherman.....				999*
Mud (Beaver) Cr..	Mason City Roller Mill and Light Plant	Mason City...	Mason City Mill and Light Plant	Power.....		31	15	17	Custer.....				1042*
Mud (Beaver) Cr..	Penn, Chas.....	Broken Bow..	Penn Canal.....	Irrig.....	.50	33	17	20	Custer.....	Aug.	14	1894	215
Mud (Beaver) Cr..	C. B. & Q. R. R. Co.	Lincoln.....	Ravenna Pipe Line.....	Dom.....	1.00	8	12	14	Buffalo.....	July	26	1919	1550
Mud (Beaver) Cr..	Grammer, Mrs. Sarah F.	Kearney.....	Pump.....	Irrig.....	1.21	13	14	17	Custer.....	Aug.	20	1926	1848
Mud (Beaver) Cr..	Skochdopole, Ernest	Ravenna.....	Pump.....	Irrig.....	2.10	1	12	15	Buffalo.....	Nov.	8	1926	1871
Mud (Beaver) Cr..	Wilson, Otis N.....	Litchfield.....	Pump.....	Irrig.....	.51	14	14	17	Custer.....	Dec.	10	1926	1879
Mud (Beaver) Cr..	Vansant, J. A.....	Broken Bow..	Pump.....	Irrig.....	.27	33	17	20	Custer.....	Dec.	13	1926	1880
Mud (Beaver) Cr..	Sorensen, U.....	Berwyn.....	Pump.....	Irrig.....	1.00	21	16	19	Custer.....	Jan.	14	1927	1884
Mud (Beaver) Cr..	Willoughby, C. D.....	Mason City...	Pump.....	Irrig.....	1.10	34	15	17	Custer.....	Feb.	8	1927	1896
Mud (Beaver) Cr..	Yanda, Geo. J.....	Ravenna.....	Pumps.....	Irrig.....	.90	8	12	14	Buffalo.....	Apr.	4	1927	1920
						9	12	14	Buffalo.....	Apr.	4	1927	1920
Mud (Beaver) Cr..	Duke, R. H., et al.....	Mason City...	Pump.....	Irrig.....	2.41	31	15	17	Custer.....	Nov.	10	1928	2051
Mud (Beaver) Cr..	Hammond, Wm. E.....	Broken Bow..	Pump.....	Irrig.....	.47	18	16	19	Custer.....	Jan.	3	1929	2059

Mud (Beaver) Cr.	Edson, Delmar.....	Mason City...	Pump.....	Irrig.....	.13	32	15	17	Custer.....	Apr.	23	1928	2079
Mud (Beaver) Cr.	Slote, E. A.....	Litchfield...	Pump.....	Irrig.....	.64	33	14	16	Sherman...	May	31	1934	2391
Mud (Beaver) Cr.	Haller, H. F.....	Litchfield...	Pump.....	Irrig.....	.71	19	14	16	Sherman...	July	13	1934	2423
Mud (Beaver) Cr.	Lang, J. R.....	Litchfield...	Pump.....	Irrig.....	1.25	13	14	17	Custer.....	July	27	1934	2445
Mud (Beaver) Cr.	Dietrich, Catherine, et al.	Ravenna.....	Pump.....	Irrig.....	1.26	4	12	15	Buffalo.....	Aug.	16	1934	2464
Mud (Beaver) Cr.	Perry, John J.....	Sweetwater...	Pump.....	Irrig.....	.47	3	12	15	Buffalo.....	Aug.	21	1936	2620
Mud (Beaver) Cr.	Amsberry, Rollie.....	Ansley.....	Pump.....	Irrig.....	.22	22	15	18	Custer.....	Jan.	26	1937	2684
Mud (Beaver) Cr.	Amsberry, Viola E., et al	Mason City...	Pump.....	Irrig.....	.56	23	15	18	Custer.....	Sept.	18	1937	2789
Mud (Beaver) Cr.	Hall, John.....	Ansley.....	Pump.....	Irrig.....	.54	15	15	18	Custer.....	Oct.	1	1937	2792
Mud (Beaver) Cr.	Lang, C. E.....	Litchfield...	Pump.....	Irrig.....	1.15	19	14	16	Sherman...	Oct.	4	1937	2793
Mud (Beaver) Cr.	Luther, Violet V.....	Mason City...	Pump.....	Irrig.....	.39	25	15	18	Custer.....	Oct.	4	1937	2794
Mud (Beaver) Cr.	Banning, Roy J.....	Mason City...	Pump.....	Irrig.....	.40	33	15	17	Custer.....	Nov.	5	1937	2800
Mud (Beaver) Cr.	West, Lyman and Schu- macher, Mrs. Theo.	Mason City Lincoln	Pump.....	Irrig.....	.84	23	15	18	Custer.....	Nov.	16	1937	2802
Mud (Beaver) Cr.	Sherbeck, Melvin H.....	Ansley.....	Pump.....	Irrig.....	.43	5	15	18	Custer.....	Sept.	14	1938	2884
Mud (Beaver) Cr.	Sanders, Ralph.....	Litchfield...	Pump.....	Irrig.....	.51	1	13	16	Sherman...	Sept.	25	1939	2973
Mud (Beaver) Cr.	Williams, Earl.....	Ansley.....	Pump.....	Irrig.....	.46	31	16	18	Custer.....	Nov.	10	1939	3015
Mud (Beaver) Cr.	Feldman, Fred.....	Litchfield...	Pump.....	Irrig.....	.17	33	14	16	Sherman...	Nov.	22	1939	3025
Mud (Beaver) Cr.	Cooper-Sharpless.....	Los Angeles...	Pump.....	Irrig.....	.54	15	15	18	Custer.....	Feb.	9	1940	3090
Mud (Beaver) Cr.	Neison, Charley A.....	Litchfield...	Pump.....	Irrig.....	.23	11	14	17	Custer.....	Mar.	1	1940	3100
Mud (Beaver) Cr.	Cooper, Bob C. and Anderson, John A.	Omaha Litchfield	Pump.....	Irrig.....	.53	28	14	16	Sherman...	Mar.	12	1940	3115
Mud (Beaver) Cr.	Mortensen, Pearl L.....	Ravenna.....	Pump.....	Irrig.....	.21	34	13	15	Sherman...	Mar.	15	1940	3119
Mud (Beaver) Cr.	Fisher, James H., Est.	Ravenna.....	Pump.....	Irrig.....	.67	34	13	15	Sherman...	Apr.	1	1940	3128
Mud (Beaver) Cr.	Moody, Cleon M.....	Ansley.....	Pump.....	Irrig.....	.40	5	15	18	Custer.....	May	13	1940	3157
Mud (Beaver) Cr.	Chamberlin, W. C.....	Mason City...	Pump.....	Irrig.....	.52	32	15	17	Custer.....	July	15	1940	3200
Mud (Beaver) Cr.	Zinnel, Ella.....	Sweetwater...	Pump.....	Irrig.....	.37	2	12	15	Buffalo.....	July	16	1940	3201
Mud (Beaver) Cr.	Schulz, Martin.....	Ravenna.....	Pumps.....	Irrig.....	1.02	7	12	14	Buffalo.....	July	18	1940	3205
						12	12	15	Buffalo.....	July	18	1940	3205
Mud (Beaver) Cr.	Talbot, V. C.....	Broken Bow...	Pump No. 2.....	Irrig.....	.18	17	16	19	Custer.....	July	24	1940	3210
Mud (Beaver) Cr.	Beranek, Louis.....	St. Michael...	Pump.....	Irrig.....	.09	8	12	14	Buffalo.....	July	24	1940	3213

† Reservoir capacity alleged by applicant.
* Denotes claim not adjudicated.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diverson or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County					Mo.	D	Yr.
Mud (Beaver) Cr.	Jungles, Peter R.	Ravenna	Pump	Irrig.	.85	12	12	15	Buffalo	Aug.	10	1940	3229
Mud (Beaver) Cr.	Morris, E. O.	Ansley	Pump	Irrig.	.87	9	15	18	Custer	Aug.	15	1940	3232
Mud (Beaver) Cr.	Nelsen, Chris.	Berwyn	Pump	Irrig.	1.15	36	16	19	Custer	Sept.	3	1940	3249
Mud (Beaver) Cr.	Givens, Charles	Litchfield	Pump	Irrig.	.40	35	14	16	Sherman	Jan.	2	1941	3361
Mud (Beaver) Cr.	McFadden, Clyde	Litchfield	Pump	Irrig.	.44	12	13	16	Sherman	Jan.	15	1941	3369
Mud (Beaver) Cr.	Church, Mrs. Irene	Denver, Colo.	Pump	Irrig.	.22	27	13	15	Sherman	Jan.	18	1941	3370
Mud (Beaver) Cr.	Farmers Mutual Ins. Co.	Lincoln	Pump	Irrig.	.49	2	14	17	Custer	Feb.	3	1941	3381
Mud (Beaver) Cr.	Zinnel, Herbert O., et al	Sweetwater	Pump	Irrig.	.36	2	12	15	Buffalo	Feb.	13	1941	3389
Mud (Beaver) Cr.	Muhlbach, Nora	Ravenna	Pump	Irrig.	.37	12	12	15	Buffalo	Mar.	3	1941	3407
Mud (Beaver) Cr.	City of Ravenna	Ravenna	Pump	Irrig.	.02	8	12	14	Buffalo	Mar.	17	1941	3415
Mud (Beaver) Cr.	Yanda, Louis	Ravenna	Pump	Irrig.	.25	1	12	15	Buffalo	June	19	1941	3454
Mud (Beaver) Cr.	Stevens, Howard B.	Broken Bow	Pump	Irrig.	.44	35	16	19	Custer	Aug.	5	1941	3480
Mud (Beaver) Cr.	McNeil, Mary J.	Loup City	Pumps	Irrig.	.68	29	13	15	Sherman	Sept.	8	1941	3494
Mud (Beaver) Cr.	Sielaff, F. R.	Ravenna	Pump	Irrig.	.50	7	12	14	Buffalo	Feb.	16	1942	3552
Mud (Beaver) Cr.	Minshull, Rhea L.	Kearney	Pump	Irrig.	.13	1	13	16	Sherman	July	16	1943	3625
Mud (Beaver) Cr.	Petrik, James	Ansley	Pump	Irrig.	.56	16	15	18	Custer	Jan.	8	1944	3670
Mud (Beaver) Cr.	McFadden, Russell	Burwell	Pump	Irrig.	.23	35	14	16	Sherman	Jan.	31	1944	3677
Mud (Beaver) Cr.	Frye, John, Estate	Sweetwater	Pump	Irrig.	.54	2	12	15	Buffalo	Mar.	8	1944	3696
Mud (Beaver) Cr.	Reinertson, Kenneth L.	Hazard	Pump	Irrig.	.23	33	13	15	Sherman	May	1	1944	3721
Mud (Beaver) Cr.	Nilsen, T. Miller	Hazard	Pump	Irrig.	.15	13	13	16	Sherman	May	8	1944	3723
Mud (Beaver) Cr.	Reinertson, Richard A.	Sweetwater	Pump	Irrig.	.60	4	12	15	Buffalo	July	10	1944	3743
Mud (Beaver) Cr.	Larsen, L. M.	Hazard	Pump	Irrig.	.38	33	13	15	Sherman	Aug.	11	1944	3750
Mud (Beaver) Cr.	Larsen, Mary, Estate	Hazard	Pump	Irrig.	.76	28	13	15	Sherman	Aug.	11	1944	3751
Mud (Beaver) Cr.	Kramer, John	Mason City	Pump	Irrig.	.52	30	15	17	Custer	Aug.	23	1944	3757
Mud (Beaver) Cr.	Cooper-Sharpless	Los Angeles	Pump	Irrig.	.10	15	15	18	Custer	Oct.	26	1944	3778
Mud (Beaver) Cr.	McFadden, Russell	Burwell	Pump	Irrig.	.17	34	14	16	Sherman	Jan.	29	1945	3801
Mud (Beaver) Cr.	Reinertson, Kenneth L.	Hazard	Pump	Irrig.	.58	33	13	15	Sherman	Mar.	24	1945	3817
Mud (Beaver) Cr.	Aden, John F.	Hazard	Pump	Irrig.	.12	29	13	15	Sherman	Mar.	11	1946	3882

Mud (Beaver) Cr.	Capellen, Floyd H.	Hazard	Pump	Irrig.	.44	13	13	16	Sherman	Mar.	11	1946	3883
Mud (Beaver) Cr.	McKeon, M. F.	Sweetwater	Pump	Irrig.	.90	3	12	15	Buffalo	Apr.	20	1946	3895
Mud (Beaver) Cr.	Wagner, F. F.	Burwell	Pump	Irrig.	.99	34	15	17	Custer	June	5	1946	3912
Mud (Beaver) Cr.	Foster, Doane C.	Berwyn	Pump	Irrig.	.42	22	16	19	Custer	July	23	1946	3930
Mud (Beaver) Cr.	Feldman, Fred H.	Litchfield	Pump	Irrig.	.20	33	14	16	Sherman	Oct.	31	1946	3994
Mud (Beaver) Cr.	Kohls, Elmer H.	Litchfield	Pump 2	Irrig.	.06	1	13	16	Sherman	Dec.	30	1946	4016
Mud (Beaver) Cr.	Reinertson, Conrad A.	Hazard	Pump	Irrig.	.34	19	13	15	Sherman	Dec.	31	1946	4017
Mud (Beaver) Cr.	Cooper and Sharpless	Los Angeles	Pump	Irrig.	.03	15	15	18	Custer	Mar.	28	1948	4053
Mud (Beaver) Cr.	Reinertson, Tobias	Hazard	Pump	Irrig.	.45	19	13	15	Sherman	Nov.	1	1947	4138
Mud (Beaver) Cr.	Wilson, Otis N.	Litchfield	Pump	Irrig.		11	14	17	Custer	May	25	1948	4273
Mud (Beaver) Cr.	Rogers, H. F., et al.	Broken Bow	Pump	Irrig.		3	16	20	Custer	June	16	1948	4288
Ravine, Trib. to	Morris, E. O.	Ansley	Morris Reservoir	Storage	†18AF	9	15	18	Custer	Feb.	18	1941	3394
Munson Creek	Lassen, Niels P.	Elba	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	Pump	Irrig.	.53	30	14	11	Howard	Mar.	5	1930	2126
Oak Creek	Village of Dannebrog	Dannebrog	Dannebrog Lake	Fish	†58AF	2	13	11	Howard	Nov.	29	1937	2309
Oak Creek	Krogh, Peter	Omaha	Pump	Irrig.	.25	30	14	11	Howard	Sept.	26	1939	2976
Oak Creek	Lamb, Hertha J.	Farwell	Pump	Irrig.	.09	23	14	12	Howard	Mar.	22	1940	3122
Oak Creek	Hatt, Hans N.	Dannebrog	Oak Creek Canal	Irrig.	.39	2	13	11	Howard	Nov.	10	1941	3530
Oak Creek	Vocke, Robert	Ashton	Pump	Irrig.	.59	1	14	13	Sherman	Apr.	14	1947	4067
Oconee Drain	Gerrard, Mary L.	Columbus	Pump	Irrig.	1.87	3	17	2	Platte	Nov.	7	1944	3781
Oconee Drain	Gerhold, A. N.	Columbus	Pump	Irrig.	.93	3	17	2	Platte	Mar.	8	1945	3513
Otter Creek, Ravine, Trib. to	Judy, Joy B.	Miller	Judy Reservoir	Storage	†45AF	18	12	18	Buffalo	Apr.	17	1941	3429
Platte River	Fremont Canal and Power Company	Fremont	Fremont Canal	Irrig. and Power	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, Trib. to	Klosterman, H. F.	David City	Klosterman Canal	Irrig.	.43	9	16	2E	Butler	Oct.	9	1939	2982
Qualsett Creek	Qualsett, Olaf	Petersburg	Pump	Irrig.	.26	30	22	7	Boone	Apr.	19	1937	2733

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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.....	Johnson, Floyd S.....	Callaway.....	Pump.....	Irrig.....	.24	10	15	23	Custer.....	Feb.	21	1916		1447
Sand Creek.....	Brega, R. E.....	Callaway.....	Pump.....	Irrig.....	.12	11	15	23	Custer.....	Feb.	25	1946		3875
Sand Creek, Ravine, Trib. to	Eaton, R. A.....	Pleasanton.....	Eaton Reservoir.....	Storage...	†29AF	5	11	15	Buffalo.....	Oct.	13	1944		3776
Shady Lake.....	Smith, Adam.....	Columbus.....	Pump.....	Irrig.....	1.66	15	17	1	Platte.....	Feb.	2	1939		2907
Shell Creek.....	Schmitt Bros.....	Columbus.....	Schmitt Canal.....	Irrig.....	2.29	19	18	1E	Platte.....	Dec.	17	1894	292a	
Shell Creek.....	Schmitt Bros.....	Columbus.....	Schmitt Canal.....	Power.....	30.50	19	18	1E	Platte.....	Dec.	17	1894	292b	
Shell Creek.....	Gottberg, Jacob.....	Columbus.....	Gottberg Canal.....	Irrig.....	1.00	24	18	1	Platte.....	June	6	1895		2
Shell Creek.....	Arndt, Edward.....	Platte Center.....	Pump.....	Irrig.....	2.21	24	18	2	Platte.....	July	31	1936		2603
Shell Creek.....	Herde, Phillip.....	Schuyler.....	Pump.....	Irrig.....	.39	34	18	3E	Colfax.....	Sept.	28	1936		2642
Shell Creek.....	Wolfe, John H.....	Schuyler.....	Pump.....	Irrig.....	.46	28	18	3E	Colfax.....	Aug.	9	1937		2771
Shell Creek.....	Herde, Phillip.....	Schuyler.....	Pump.....	Irrig.....	.25	34	18	3E	Colfax.....	Sept.	10	1937		2782
Shell Creek.....	Maher, Catherine M.....	New York.....	Pump.....	Irrig.....	2.36	30	18	1	Platte.....	Sept.	14	1937		2787
Shell Creek.....	Kavan, Emil L.....	Schuyler.....	Pump.....	Irrig.....	.48	29	18	3E	Colfax.....	Nov.	1	1937		2798
Shell Creek.....	Marohn, Herman, et al.....	Schuyler.....	Pump.....	Irrig.....	.64	23	18	2E	Colfax.....	Dec.	10	1937		2814
Shell Creek.....	Huff, Howard K.....	Ord.....	Pump.....	Irrig.....	.48	13	18	2	Platte.....	Dec.	18	1937		2815
Shell Creek.....	Bailey, John C.....	Schuyler.....	Pump.....	Irrig.....	1.69	1	17	3E	Colfax.....	May	6	1938		2871
Shell Creek.....	Krivohlavek, John F.....	Schuyler.....	Pump.....	Irrig.....	1.10	35	18	3E	Colfax.....	Apr.	29	1939		2918
Shell Creek.....	Bailey, T. O.....	Schuyler.....	Pump.....	Irrig.....	.69	12	17	3E	Colfax.....	May	19	1939		2923
Shell Creek.....	Bott, Fred.....	Schuyler.....	Pump.....	Irrig.....	1.06	22	18	2E	Colfax.....	May	24	1939		2925
Shell Creek.....	Hughes, Frank M., Est.....	Schuyler.....	Pump.....	Irrig.....	1.99	1	17	3E	Colfax.....	June	17	1939		2929
Shell Creek.....	Schmid, Adam.....	Columbus.....	Pump.....	Irrig.....	1.09	19	18	2E	Colfax.....	July	28	1939		2941
Shell Creek.....	Klug, Arthur and Emil.....	Columbus.....	Pump.....	Irrig.....	.26	24	18	1E	Platte.....	July	29	1939		2943
Shell Creek.....	De Bower, Garrett A.....	Schuyler.....	Pump.....	Irrig.....	.44	30	18	3E	Colfax.....	July	31	1939		2944
Shell Creek.....	Lusche, G. W.....	Columbus.....	Pumps.....	Irrig.....	.51	14	18	1E	Platte.....	Oct.	26	1939		2997
Shell Creek.....	Heibel, Julius.....	Columbus.....	Pump.....	Irrig.....	.37	22	18	1E	Platte.....	Oct.	26	1939		2997
Shell Creek.....	Heibel, Julius.....	Columbus.....	Pump.....	Irrig.....	.37	22	18	1E	Platte.....	Nov.	6	1939		3009

Shell Creek.....	Pose, Frank.....	Columbus.....	Pump No. 2.....	Irrig.....	.41	22	18	1E	Platte.....	Nov.	21	1939	3023
Shell Creek.....	Gossman, Charles A.....	Platte Center.....	Pump.....	Irrig.....	.47	19	18	1	Platte.....	Nov.	22	1939	3028
Shell Creek.....	Heibel, Carl.....	Columbus.....	Pump.....	Irrig.....	.21	24	18	1E	Platte.....	Dec.	1	1939	3035
Shell Creek.....	Mastny, Anton, Sr.....	Schuyler.....	Pump.....	Irrig.....	.90	35	18	3E	Colfax.....	Jan.	20	1940	3080
Shell Creek.....	Krivohlavek, John F.....	Schuyler.....	Pump.....	Irrig.....	.10	35	18	3E	Colfax.....	Mar.	31	1941	3420
Shell Creek.....	Horejsi, Milo.....	Schuyler.....	Pump.....	Irrig.....	.50	9	17	4E	Colfax.....	Apr.	2	1941	3424
Shell Creek.....	Lightner, Louis.....	Columbus.....	Pump.....	Irrig.....	.48	14	18	2	Platte.....	Sept.	9	1941	3496
Shell Creek.....	Haidley, Charles.....	Schuyler.....	Pump.....	Irrig.....	.23	8	17	4E	Colfax.....	Dec.	24	1941	3541
Shell Creek.....	Luckey, Emil F.....	Columbus.....	Pump.....	Irrig.....	.36	23	18	1E	Platte.....	Apr.	6	1942	3561
Shell Creek.....	Maxwell, David E.....	Columbus.....	Pump.....	Irrig.....	.96	29	18	1	Platte.....	Mar.	17	1943	3599
Shell Creek.....	Luckey, Emil F.....	Columbus.....	Pump.....	Irrig.....	.28	23	18	1E	Platte.....	Feb.	15	1947	4035
Shell Creek.....	Mares, Victor.....	Schuyler.....	Pump.....	Irrig.....	.50	36	18	3E	Colfax.....	Mar.	28	1947	4054
Shell Creek.....	Huff, Howard.....	Ord.....	Pump.....	Irrig.....		13	18	2	Platte.....	Apr.	26	1947	4069
Skull Creek.....	Dawson, H. H.....	Linwood.....	Pump.....	Irrig.....	1.18	26	17	4E	Butler.....	Nov.	20	1939	3022
Spring Branch.....	Milldale Farm and Live Stock Improvement 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.....	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
Spring Creek.....	Laursen, Rasmus.....	Cushing.....	Pump.....	Irrig.....	.26	32	16	9	Howard.....	Oct.	23	1940	3306
Spring Creek.....	Anderson, Clayton.....	Cushing.....	Pump.....	Irrig.....	.18	30	16	9	Howard.....	Mar.	27	1944	3702
Spring Creek.....	Wagner, Chas. J.....	Cushing.....	Pump.....	Irrig.....	.21	7	16	9	Howard.....	Aug.	21	1944	3756
Spring Creek.....	Wagner, C. J.....	Cushing.....	Pump No. 2.....	Irrig.....	.27	18	16	9	Howard.....	Sept.	19	1944	3767
#Spring Creek.....	Hanson, Earl.....	Ord.....	Pump.....	Irrig.....	.25	27	19	13	Valley.....	May	15	1944	3728
Timber Creek, Ravine, Trib. to	Robinson, Wm. A.....	Cedar Rapids.....	Robinson Reservoir.....	Storage...	†40.5AF	33	18	8	Boone.....	July	30	1946	3935
Tucker Creek....	Pressey, H. E., Estate.....	Oconto.....	Maples Canal.....	Irrig.....	.97	9	14	21	Custer.....	Sept.	13	1934	2475
Turkey Creek....	Travelers Ins. Co.....	Omaha.....	Mortensen Reservoir.....	Storage...	†6.25AF	21	14	11	Howard.....	Aug.	31	1931	2232
Turkey Creek....	Federal Land Bank.....	Omaha.....	Miller Reservoir.....	Storage...	†30AF	35	14	11	Howard.....	Jan.	20	1934	2356
Turkey Creek....	McKoski, Joe.....	Dannebrog.....	Pump.....	Irrig.....	.24	20	14	11	Howard.....	Aug.	26	1937	2778

Spring Creek in Howard County and Spring Creek in Valley County are separate streams.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Mo.			D	Yr.
Turtle Creek....	Rutar, Joseph.....	Elyria.....	Rutar Canal.....	Irrig.....	.72	27	20	15	Valley.....	May	5	1943	3611	
Victoria Creek...	Myers, Perry, Estate....	Anselmo.....	Victoria Canal No. 1....	Irrig.....	.71	1	19	21	Custer.....	Mar.	17	1894		210
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, Michael.....	Milburn.....	Laughran-Bell Canal....	Irrig.....	.31	3	19	21	Custer.....	Sept.	22	1894		217
Victoria Creek...	Myers, Perry, Estate....	Anselmo.....	Victoria Canal No. 1....	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	1845	
Victoria Creek...	McGraw, Chas.....	Broken Bow...	McGraw Canal.....	Irrig.....	2.86	6	19	20	Custer.....	Aug.	6	1928	1945	
Victoria Creek...	McGraw, Chas.....	Broken Bow...	Pump.....	Irrig.....	.80	6	19	20	Custer.....	June	4	1934	2023	
Wagner Creek....	Leui, Joseph.....	Comstock.....	Pump.....	Irrig.....	.82	3	18	17	Custer.....	July	18	1939	2398	
Wagner Creek....	Leui, Joseph.....	Comstock.....	Pump.....	Irrig.....	.21	11	18	17	Custer.....	Mar.	6	1948	2935	
Wallace Creek...	Farrell, L. R.....	Scotia.....	Pump.....	Irrig.....	.56	16	17	12	Greeley.....	Sept.	26	1944	4230	
Wallace Creek...	Honnold, C. L.....	Tuttle, Okla....	Pump.....	Irrig.....	.65	9	17	12	Greeley.....	Nov.	20	1944	3770	
Welsh Reservoir	Welsh, W. M.....	Lincoln.....	Welsh Canal.....	Irrig.....		36	17	18	Custer.....	May	2	1941	3785	
Wiggle Creek....	May, J. H.....	Callaway.....	Pump.....	Irrig.....	.30	3	15	23	Custer.....	Oct.	17	1928	3624	
Woten Creek....	Johnson, Emil.....	Rockville.....	Pump.....	Irrig.....	.49	6	13	13	Sherman....	Oct.	14	1940	2045	
													3293	

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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-Tomhagen ...	Battle Creek..	Battle Creek Mills.....	Power.....	10.67	36	24	3	Madison ...	Nov.	12	1898	484
Battle Creek.....	Hohenstein-Tomhagen ...	Battle Creek..	Battle Creek Mills.....	Power.....	20.00	36	24	3	Madison ...	Apr.	20	1906	818
Battle Creek.....	Lucht, Mary	Battle Creek..	Pump	Irrig.....	.59	12	23	3	Madison ...	Oct.	20	1939	2994
Battle Creek.....	Bierman, Herbert.....	Battle Creek..	Pump	Irrig.....	.64	14	23	3	Madison ...	Nov.	4	1939	3006
Battle Creek.....	Eyl, Carl.....	Battle Creek..	Pump	Irrig.....	.46	12	23	3	Madison ...	Nov.	8	1939	3012
Battle Creek.....	Lewis, Emma S.....	McLean, Va...	Pump	Irrig.....	.54	12	23	3	Madison ...	Nov.	22	1939	3026
Battle Creek.....	Bierman, Erich.....	Battle Creek..	Pump	Irrig.....	.32	12	23	3	Madison ...	Dec.	11	1939	3042
Buffalo Creek...	Lewis, Sylvester.....	Meadow Grove	Pump	Irrig.....	.79	23	24	4	Madison ...	Nov.	9	1936	2655
Buffalo Creek...	Lewis, Sylvester.....	Meadow Grove	Pump	Irrig.....	.48	23	24	4	Madison ...	Oct.	26	1939	3000
Camp Creek.....	Pinney, E. R.....	Lincoln.....	Pump	Irrig.....	.50	25	11	8E	Lancaster..	Nov.	22	1939	3024
Camp Creek.....	Boyd, Chas. A.....	Waverly.....	Pump	Irrig.....	.10	25	11	8E	Lancaster..	Aug.	25	1947	4100
Cedar Creek.....	Carlson, C. A.....	Elgin.....	Pump	Irrig.....	.15	3	23	6	Antelope...	Mar.	17	1937	2716
Cedar Creek.....	Johnson Brothers.....	Oakdale.....	Pump	Irrig.....	.41	11	24	6	Antelope...	Oct.	10	1938	2891
Cedar Creek.....	Ofe Brothers.....	Oakdale.....	Pump	Irrig.....	.09	1	24	6	Antelope...	Dec.	27	1938	2904
Cedar Creek.....	Cram, V. S.....	Oakdale.....	Pump	Irrig.....	.04	12	24	6	Antelope...	Mar.	1	1939	2911
Cedar Creek.....	Michaelson, Florence...	Battle Creek..	Pump	Irrig.....	.23	10	23	6	Antelope...	Oct.	16	1939	2987
Cedar Creek.....	Mills, G. O.....	Tilden.....	Pump	Irrig.....	.18	3	23	6	Antelope...	Oct.	18	1939	2991
Cedar Creek.....	Hunter, G. W.....	Oakdale.....	Pump	Irrig.....	.86	12	24	6	Antelope...	May	25	1940	3166
Cedar Creek.....	Clemensen, George.....	Oakdale.....	Pump	Irrig.....	.06	15	24	6	Antelope...	Oct.	14	1940	3295
Cedar Creek.....	Dworak, Mary, Est.....	Oakdale.....	Pump	Irrig.....	.84	1	24	6	Antelope...	May	9	1946	3094
Childs Reservoir..	Childs, F. A.....	Oakdale.....	Childs Canal.....	Irrig.....		3	24	5	Antelope...	Mar.	4	1940	3125
Cedar Creek.....	Obershow, Donald and Chester	Oakdale.....	Pump	Irrig.....		11	24	6	Antelope...	May	3	1948	4257
Clear Creek.....	Lyons Drainage Dist...	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

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Clearwater Creek.	Thiele, Carl J.....	Clearwater....	Pump	Irrig.....	.46	26	25	9	Holt.....	Dec.	12	1939	3048	
Clearwater Creek.	McDonald, Charles W....	Ewing.....	Pump	Irrig.....	.29	33	25	9	Holt.....	Dec.	18	1939	3055	
Clearwater Creek.	Schrunk, Mabel E.....	Atkinson.....	Pump	Irrig.....	.39	14	24	10	Wheeler....	Sept.	25	1940	3275	
Clearwater Creek.	Angus, Earl.....	Ewing.....	Pump	Irrig.....	.40	6	25	7	Antelope...	Mar.	4	1944	3694	
Dee Creek.....	Hilt, Peter, Jr.....	Waverly.....	Pump	Irrig.....	1.72	7	11	9E	Cass.....	June	12	1933	2326	
Deer Creek.....	DeLay, J. J.....	Norfolk.....	Pump	Irrig.....	1.54	30	24	3	Madison....	Apr.	11	1944	3711	
Dog Town Cr...	Beckman, John.....	Wayne.....	Pump	Irrig.....	.63	6	26	4E	Wayne.....	Aug.	15	1936	2613	
Dry Creek.....	Haas, Mitchel.....	Pierce.....	Pump	Irrig.....	.55	16	26	2	Pierce.....	Aug.	15	1946	3944	
Dry Creek.....	Fleming, Harry.....	Pierce.....	Pump	Irrig.....	.69	8	26	2	Pierce.....	Sept.	16	1947	4115	
Dry Gully.....	Scott, R. D.....	Lincoln.....	Scott Reservoir.....	Storage...	†72A	F	22	12	5E	Lancaster...	Dec.	7	1936	2669
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	263	
Elkhorn River...	Carlou, Thos.....	O'Neill.....	Carlou Canal No. 1....	Irrig.....	1.00	32	29	11	Holt.....	Feb.	8	1894	260	
Elkhorn River...	Carlou, Thos.....	O'Neill.....	Carlou Canal No. 2....	Irrig.....	5.00	30	29	11	Holt.....	Feb.	8	1894	261	
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.....	Omaha.....	Pump	Irrig.....	.79	10	25	7	Antelope...	July	5	1934	2416	
Elkhorn River...	Heitzman, Herman, Est.	West Point...	Pump	Irrig.....	.31	21	22	6E	Cuming....	Mar.	16	1935	2528	
Elkhorn River...	McGuire, F. V.....	Wisner.....	Pump	Irrig.....	1.21	32	24	4E	Cuming....	Aug.	14	1936	2612	
Elkhorn River...	Collins, John M.....	West Point...	Pump	Irrig.....	.39	22	22	6E	Cuming....	Aug.	31	1936	2630	

Elkhorn River...	Dwyer, Geo. F.....	Waterloo.....	Pump	Irrig. ....	.08	10	15	10E	Douglas ...	Sept.	22	1936	2641
Elkhorn River...	J. C. Robinson Real Estate Co.	Waterloo.....	Pump	Irrig.	1.10	3	15	10E	Douglas ...	Nov.	5	1936	2653
Elkhorn River...	Torbert, F. B., Estate.	Norfolk.....	Pump	Irrig. ....	.09	36	24	2	Madison ...	Dec.	21	1936	2674
Elkhorn River...	Rozmarin, Joseph R.	Stanton.....	Pump	Irrig. ....	.05	13	23	2E	Stanton....	Mar.	1	1937	2704
Elkhorn River...	Brink, Orris.....	Oakdale.....	Pump	Irrig. ....	.82	8	24	5	Antelope...	June	4	1937	2750
Elkhorn River...	Feldhahn, Albert.	Norfolk.....	Pump	Irrig. ....	.69	6	23	1E	Stanton....	July	30	1937	2767
Elkhorn River...	Stewart, J. B.....	Tilden.....	Pump	Irrig. ....	.69	15	24	4	Madison ...	Mar.	18	1938	2850
Elkhorn River...	Sunderland, John E.	Omaha.....	Pump	Irrig.	1.86	34	15	10E	Douglas ...	Apr.	4	1938	2860
Elkhorn River...	Bauermeister, C. H.	Battle Creek.	Pump	Irrig. ....	.88	30	24	2	Madison ...	Sept.	28	1939	2977
Elkhorn River...	Flesner and Unkel.	Battle Creek.	Pump	Irrig.	3.14	29	24	2	Madison ...	Oct.	11	1939	2983
Elkhorn River...	O'Brien, James, et al.	Tilden.....	Pump	Irrig. ....	.76	4	24	5	Antelope...	Oct.	18	1939	2990
Elkhorn River...	Ffelberg, Harry.	Stanton.....	Pump	Irrig. ....	.56	8	23	3E	Stanton....	Nov.	10	1939	3016
Elkhorn River...	Boldt, William, Jr.	Stanton.....	Pump	Irrig. ....	.27	29	23	2E	Stanton....	Dec.	13	1939	3050
Elkhorn River...	Eggers, Elman.....	Tilden.....	Pump	Irrig. ....	.64	11	24	5	Antelope...	Dec.	19	1939	3061
Elkhorn River...	Zimmerer, Joe.....	Humphrey...	Pump No. 1.	Irrig. ....	.40	17	23	3E	Stanton....	Jan.	2	1940	3069
Elkhorn River...	Martensen, Peter.	Oakdale.....	Pump	Irrig. ....	.42	8	24	5	Antelope...	Jan.	9	1940	3073
Elkhorn River...	Childs, F. A.....	Oakdale.....	Pump	Irrig. ....	.21	3	24	5	Antelope...	Mar.	4	1940	3102
Elkhorn River...	Idlewild Farm Co.	Fremont.....	Pumps.	Irrig. ....	.81	29	18	9E	Dodge- Washington	May	10	1940	3155
Elkhorn River...	Emerson, R. A.....	Oakdale.....	Pump	Irrig. ....	.09	1	24	6	Antelope...	Feb.	14	1941	3391
Elkhorn River...	Wittwer, Joe.....	Tilden.....	Pump	Irrig. ....	.38	3	24	5	Antelope...	Mar.	5	1941	3409
Elkhorn River...	Werner, Fred C.....	Meadow Grove	Pump	Irrig.	1.10	24	24	4	Madison ...	Nov.	18	1941	3532
Elkhorn River, Springs, Trib. to	Childs, F. A.....	Oakdale.....	Childs Reservoir.	Storage...	†102AF	3	24	5	Antelope...	Mar.	4	1940	3101
Elkhorn R., N.F.	Norfolk Cereal Flour Mills	Norfolk.....	Norfolk Cereal and Flour Mills	Power....	100.00	23	24	1	Madison ...	Mar.	1	1870	996
Elkhorn R., N.F.	Shurtleff, R. J.....	Norfolk.....	Pump	Irrig.	1.03	15	24	1	Madison ...	June	15	1929	2085
Elkhorn R., N.F.	Niles, Ted.....	Norfolk.....	Pump	Irrig. ....	.42	10	24	1	Madison ...	Aug.	17	1933	2343
Elkhorn R., N.F.	Zutz, Erwin.....	Norfolk.....	Pump	Irrig. ....	.50	15	24	1	Madison ...	Sept.	12	1934	2474
Elkhorn R., N.F.	Bathke, Robert.....	Norfolk.....	Pump	Irrig. ....	.02	22	24	1	Madison ...	Apr.	4	1935	2533
Elkhorn R., N.F.	Shurtleff, R. J.....	Norfolk.....	Pump	Irrig. ....	.53	15	24	1	Madison ...	May	2	1936	2577

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Elkhorn R., N.F. and Dry Cr.	Chilvers, C. H.	Pierce	Pumps	Irrig.	5.91	9	26	2	Pierce	July	14	1936	2588
						10	26	2	Pierce	July	14	1936	2588
						15	26	2	Pierce	July	14	1936	2588
Elkhorn R., N.F.	Werner, John	Norfolk	Pump	Irrig.	.56	26	24	1	Madison	July	24	1936	2597
Elkhorn R., N.F.	Koiterman, Erwin	Pierce	Pump	Irrig.	1.89	15	26	2	Pierce	July	30	1936	2602
Elkhorn R., N.F.	Koehler, Walter	Osmond	Pump	Irrig.	.71	19	27	2	Pierce	Aug.	13	1936	2611
Elkhorn R., N.F.	Doughty, L. H.	Norfolk	Pump	Irrig.	.24	26	24	1	Madison	Nov.	18	1936	2661
Elkhorn R., N.F.	Kirchmann, Christian C.	Pierce	Pump	Irrig.	.01	26	26	2	Pierce	Dec.	11	1936	2670
Elkhorn R., N.F.	Kluender, Bertha and Riggart, Mrs. M.	Norfolk	Pump	Irrig.	.21	22	24	1	Madison	May	25	1937	2747
Elkhorn R., N.F.	Richter, Herman	Norfolk	Pump	Irrig.	.43	36	24	1	Madison	Apr.	27	1938	2865
Elkhorn R., N.F.	Eberly, E. F.	Norfolk	Pumps	Irrig.	.15	26	24	1	Madison	May	26	1938	2875
Elkhorn R., N.F.	Eberly, E. F.	Norfolk	Pump	Irrig.	.29	26	24	1	Madison	May	26	1938	2875 R
Elkhorn R., N.F.	Risser, Andrew A.	Norfolk	Pump	Irrig.	1.05	28	25	1	Pierce	Nov.	20	1939	3021
Elkhorn R., N.F.	Meierhenry, Fred.	Norfolk	Pump	Irrig.	.18	33	25	1	Pierce	Dec.	11	1939	3043
Elkhorn R., N.F.	Brown, Willard H.	Norfolk	Pump	Irrig.	1.25	36	24	1	Madison	Mar.	8	1940	3110
Elkhorn R., N.F.	Baksa, Joseph	Norfolk	Pump	Irrig.	.22	26	24	1	Madison	Mar.	18	1940	3121
Elkhorn R., N.F.	Cook, Ethel Toll.	Norfolk	Pump	Irrig.	.08	26	24	1	Madison	Feb.	19	1941	3398
Elkhorn R., N.F.	Otto, Alfred	Pierce	Pump	Irrig.	1.23	26	26	2	Pierce	Aug.	3	1946	3937
Elkhorn R., N.F.	Massman, Frank G.	Pierce	Pump	Irrig.	.99	8	26	2	Pierce	Aug.	7	1946	3941
Elkhorn R., N.F.	Eichelberger, W. O.	Norfolk	Pump	Irrig.	.61	33	25	1	Pierce	Aug.	15	1946	3945
Elkhorn R., N.F.	Otto, Alfred	Pierce	Pump	Irrig.	.86	9	26	2	Pierce	Aug.	20	1946	3946
Elkhorn R., N.F.	Magdanz, Donald F., et al	Pierce	Pump	Irrig.	1.83	32	27	2	Pierce	Sept.	11	1946	3958
Elkhorn R., N.F.	Jochens, Gilbert	Pierce	Pump	Irrig.	.83	5	26	2	Pierce	Feb.	2	1948	4197
Elkhorn R., N.F.	Fenske, Walter	Hoskins	Pump	Irrig.		6	25	1	Pierce	June	4	1948	4278
Elkhorn R., N.F.	Wolf, David	Pierce	Pump	Irrig.	.29	23	26	2	Pierce	Sept.	14	1946	3961
Elkhorn R., S.F.	Rothleuter, Albert	Ewing	Flour Mills	Power	33.00	3	26	9	Holt	Aug.	21	1898	464

Elkhorn, R., S.F.	Hawk, James	Ewing	Pump	Irrig	17	26	10	Holt	Jan.	3	1948	4166	
Giles Creek	Young, Russell	Tilden	Pump	Irrig	.62	13	24	5	Antelope	Nov.	24	1936	2663
Ground Water	Reynolds, B. W.	Fremont	Reynolds Well	Irrig		3	17	8E	Dodge	Nov.	13	1940	3329*
Ground Water	Reynolds, Wilson B. and Cassius J.	Fremont	Reynolds Well	Irrig		33	18	8E	Dodge	Feb.	4	1941	3382*
Ground Water	Reesman, Mrs. Lillian E.	Falls City	Reesman Well	Irrig		25	18	6	Dodge	May	22	1947	4076*
Ground Water	Greeley, Ruth E.	Weston	Greeley Wells	Irrig		18	25	6	Antelope	Oct.	4	1947	4120*
Holt Creek	Schermerhorn, F. D.	Omaha	Schermerhorn Canal	Irrig	1.89	5	28	13	Holt	May	9	1941	3441
Knebel-Pofahl Lake	Knebel, Ernest H.	Norfolk	Pump	Irrig	.27	2	23	1	Madison	Nov.	20	1939	3020
Knebel-Pofahl Lake	Knebel, Sophia	Norfolk	Pump	Irrig	.35	2	23	1	Madison	Feb.	17	1940	3092
Logan Creek (Oakland Dr.)	Johnson, Harry G.	Oakland	Pump	Irrig	1.71	35	22	8E	Burt	Feb.	20	1931	2192
Logan Creek (Oakland Dr.)	Johnson, J. A.	Oakland	Pump	Irrig	.92	36	22	8E	Burt	Sept.	10	1931	2236
Logan Creek	Havekost, Bernard	Hooper	Pump	Irrig	.37	33	20	8E	Dodge	July	10	1936	2586
Logan Creek	Meyer, Laurence H. and Meyer, Christof	Hooper	Pump	Irrig	1.41	16	20	8E	Dodge	July	24	1936	2595
Logan Creek	Schole, George H.	Hooper	Pump	Irrig	.38	32	20	8E	Dodge	July	24	1936	2596
Logan Creek	Uehling, Orville T.	Uehling	Pump	Irrig	.26	3	20	8E	Dodge	July	25	1936	2598
Logan Creek	Meyer, Wm. J.	Bancroft	Pump	Irrig	1.33	26	24	7E	Cuming	July	27	1936	2599
Logan Creek (Oakland Dr.)	Kuhlman-Von Essen	Oakland	Pump	Irrig	.70	14	21	8E	Burt	Aug.	1	1936	2604
Logan Creek	Hoegermeyer, Otto	Hooper	Pump	Irrig	.69	33	20	8E	Dodge	Aug.	17	1936	2615
Logan Creek	Golder, J. S.	Oakland	Pump	Irrig	.14	3	20	8E	Dodge	Aug.	26	1936	2624
Logan Creek (Pender Dr.)	Novak, Victor	Pender	Pump	Irrig	.78	36	25	6E	Thurston	Sept.	2	1936	2632
Logan Creek	Havekost, William	Hooper	Pump	Irrig	.43	29	20	8E	Dodge	Nov.	12	1936	2659

"R" Denotes relocation.
* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Logan Creek (Bancroft Dr.)	Ronnenkamp, William	Bancroft	Pump	Irrig.	.26	26	24	7E	Cuming	Dec.	26	1936		2675
Logan Creek	Hall, D.	Wayne	Pump	Irrig.	.08	13	26	3E	Wayne	Jan.	28	1937		2688
Logan Creek (Pender Dr.)	Burmester, H. H.	Pender	Pump	Irrig.		16	25	6E	Thurston	Mar.	2	1937		2707
Logan Creek	Jordan and Moodie	Bancroft	Pump	Irrig.	1.42	22	24	7E	Cuming	Mar.	9	1937		2712
Logan Creek	Von Essen, Mrs. Marie	Oakland	Pump	Irrig.	.26	3	20	8E	Dodge	Mar.	13	1937		2714
Logan Creek	Ross, Albert T.	Bancroft	Pump	Irrig.	.76	15	24	7E	Cuming	May	4	1937		2739
Logan Creek (Lyons Dr.)	Roscoe, Irving G.	Lyons	Pump	Irrig.	1.04	23	23	8E	Burt	Oct.	5	1937		2795
Logan Creek (Bancroft Dr.)	Hughes, Helen M.	Gretna	Pump	Irrig.	.64	32	24	8E	Thurston	July	28	1939		2942
Logan Creek (Bancroft Dr.)	Samson, Kenneth	Bancroft	Pump	Irrig.	.35	23	24	7E	Cuming	Aug.	4	1939		2947
Logan Creek (Lyons Dr.)	White, H. S.	Lyons	Pump	Irrig.	.97	2	23	8E	Burt	Sept.	6	1939		2959
Logan Creek (Bancroft Dr.)	Kratochvil, Vaclav	Bancroft	Pump	Irrig.	1.73	22	24	7E	Cuming	Sept.	12	1939		2963
Logan Creek (Pender Dr.)	Hilker, John	Pender	Pumps	Irrig.	.66	5	25	7E	Cuming	Sept.	20	1939		2966
Logan Creek (Pender Dr.)	Branham, Ruth E.	Omaha	Pump	Irrig.	.49	6	25	7E	Cuming	Sept.	20	1939		2966
Logan Creek (Pender Dr.)	Branham, Ruth E.	Omaha	Pump	Irrig.	.49	22	25	6E	Thurston	Dec.	18	1939		3057
Logan Creek (Pender Dr.)	John Hancock Mutual Life Insurance Co.	Sioux City, Ia.	Pump	Irrig.	.96	22	25	6E	Thurston	Jan.	8	1940		3072
Logan Creek Logan Dr.)	Bradford, Richard	Winnebago	Pump	Irrig.	.49	25	26	5E	Thurston	Apr.	15	1940		3135
Logan Creek (Logan Dr.)	Collins, E. Ruth Collins, Edla A.	Wakefield	Pump	Irrig.	.20	36	27	4E	Dixon	Apr.	18	1940		3139

Logan Creek (Logan Dr.)	Mason, Wm.	Laurel.	Pump	Irrig.	.71	3	28	3E Cedar	June	17	1940	3181
Logan Creek	Preston, Keith	Lyons	Pump	Irrig.	.66	11	22	8E Burt	July	15	1946	3927
Logan Creek	Uehling, Kenneth C.	Lyons	Pump	Irrig.	.56	11	22	8E Burt	July	17	1946	3928
Logan Creek	Henningesen, Harvey C.	Allen	Pump	Irrig.	.91	2	27	4E Dixon	Sept.	7	1946	3954
Logan Creek	Borman, Ivan	Wakefield	Pump	Irrig.	1.41	18	27	5E Dixon	Jan.	30	1947	4029
Logan Creek	Blatchford, Robert	Wakefield	Pump	Irrig.	.81	19	27	5E Dixon	Aug.	30	1947	4102
Logan Creek	Kvois, Nick	Laurel	Pump	Irrig.	.71	13	28	3E Cedar	Sept.	22	1947	4117
Logan Creek	Meyer, Laurence H.	Hooper	Pump	Irrig.	1.35	16	20	8E Dodge	Mar.	16	1948	4233
Logan Creek	Peterson Arvid N.	Laurel	Pump	Irrig.	.43	19	28	4E Dixon	Apr.	13	1948	4244
Logan Creek	Carey, Floyd	Bancroft	Pump	Irrig.	1.33	25	24	7E Cuming	Apr.	27	1948	4251
Logan Creek	Graff, Robert V. and Harley B.	Bancroft	Pump	Irrig.	1.88	9	24	7E Cuming	May	14	1948	4265
Logan Creek	Gleeson, LeRoy	Lyons	Pump	Irrig.		34	24	8 Burt	June	19	1948	4291
Logan Creek	Graff, R. Chester	Bancroft	Pump	Irrig.		15	24	7E Cuming	June	24	1948	4297
Logan Creek	Peterson, Arvid N.	Laurel	Horseshoe Reservoir	Storage		19	28	4E Dixon	Aug.	17	1948	4328
Maple Creek	Luther, Howard J.	Nickerson	Pump	Irrig.	2.72	10	18	8E Dodge	Dec.	19	1934	2500
Maple Cr., East	Kovarik, Joseph F.	Howells	Pump	Irrig.	.36	10	19	4E Colfax	Aug.	7	1939	2949
Maple Cr., East	Svoboda, Milo	Dodge	Pump	Irrig.	.96	15	19	4E Colfax	Aug.	16	1939	2952
Maple Creek, Middle Fork	Janecek, James	Schuyler	Pump	Irrig.	.26	13	19	3E Colfax	Jan.	18	1940	3077
Middle Creek	Malone, Robert	Lincoln	Ice Plant	Ice	10.00	30	10	6E Lancaster	Dec.	26	1907	883
Middle Creek	Ivers, Claude B.	Lincoln	Pump	Irrig.	.26	28	10	6E Lancaster	Jan.	7	1938	2823
Middle Creek	Lilly, Richard J.	Lincoln	Pump	Irrig.	.73	28	10	6E Lancaster	Dec.	26	1939	3068
Middle Creek, So. Branch	Tolstead, Wm. L.	Fremont	Pump	Irrig.		21	10	5E Lancaster	Dec.	22	1947	4162
Oak Creek	Eiche, Herman	Lincoln	Eiche Plant	Irrig.	.71	17	10	6E Lancaster	Jan.	4	1899	489
Oak Creek	Cheney, E. J.	Lincoln	Pump	Irrig.	.45	8	10	6E Lancaster	Feb.	6	1929	2069
Oak Creek	Hanich, Edward	Lincoln	Pump	Irrig.	.15	8	10	6E Lancaster	Nov.	21	1929	2115
Oak Creek	Clark, Arthur	Lincoln	Pump	Irrig.	.14	17	10	6E Lancaster	Apr.	11	1930	2132
Oak Creek	Cheney, L. H.	McCook	Pump	Irrig.	.86	8	10	6E Lancaster	Sept.	22	1931	2239
Oak Creek	Witmer, J. L.	Lincoln	Pump	Irrig.	.04	15	10	6E Lancaster	Feb.	8	1933	2301

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Oak Creek.....	Burcham, W. F.....	Lincoln.....	Pump.....	Irrig.....	1.73	20	11	6E	Lancaster...	July	13	1934	2422
Oak Creek.....	Bennett, John R.....	Lincoln.....	Pump.....	Irrig.....	1.49	29	11	6E	Lancaster...	Sept.	14	1936	2639
Oak Creek, W. B.	Howe, Ed.....	Fairbury.....	Pump.....	Irrig.....		2	11	5E	Lancaster...	June	8	1948	4285
Pebble Creek....	Dahl, Howard C.....	Scribner.....	Pump.....	Irrig.....	.46	6	19	7E	Dodge.....	July	17	1936	2589
Pebble Creek....	Vakiner Brothers.....	West Point.....	Pumps.....	Irrig.....	1.63	34	20	5E	Dodge.....	Sept.	9	1936	2637
Pebble Creek....	Gordon, George S.....	Scribner.....	Pump.....	Irrig.....	.18	35	20	6E	Dodge.....	Dec.	8	1939	3039
Pebble Creek....	Dahl, Howard C.....	Scribner.....	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.....	Waterloo.....	Pump.....	Irrig.....	.46	17	16	10E	Douglas...	Aug.	7	1936	2606
Rawhide Creek..	Hollingsworth, R. E.....	Omaha.....	Pump.....	Irrig.....	.43	16	16	10E	Douglas...	June	9	1937	2751
Rock Creek.....	Stark, Chris.....	Ceresco.....	Pump.....	Irrig.....	1.08	31	13	7E	Saunders...	Aug.	6	1931	2225
Rock Creek.....	Jeffrey, Louis.....	Waverly.....	Pump.....	Irrig.....	.46	34	12	8E	Lancaster...	May	12	1934	2382
Rock Creek.....	Armstrong and Landon.....	Greenwood.....	Pump.....	Irrig.....	1.24	35	12	8E	Lancaster...	Sept.	2	1939	2956
Rock Creek.....	Jeffrey, James and Louis.....	Waverly.....	Pump.....	Irrig.....	.20	35	12	8E	Lancaster...	Sept.	29	1939	2978
Rock Creek.....	Van Landingham, Claude.....	Lincoln.....	Pump.....	Irrig.....	.50	25	13	6E	Saunders...	Nov.	27	1939	3031
Rock Creek.....	Brockmuller, Ernest.....	Waverly.....	Pump.....	Irrig.....	.31	3	12	8E	Lancaster...	Nov.	3	1947	4139
Ryans Creek....	Elkhorn River Drainage District	Fremont.....	Cutoff "H" Ditch.....	Drain.....		4	17	9E	Dodge.....	Oct.	16	1909	966
Salt Creek.....	C. E. & Q. R. R. Co.....	Lincoln.....	C. E. & Q. Supply.....	Dom.....	2.00	3	9	6E	Lancaster...	Sept.	20	1923	1722
Salt Creek.....	Rutherford, Frank.....	Hastings.....	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 Duck Pond.....	Resort.....		32	11	7E	Lancaster...	July	29	1926	1837
Salt Creek.....	Splain, William F.....	Lincoln.....	Pump.....	Irrig.....	.11	25	9	6E	Lancaster...	June	18	1934	2412

REPORT OF THE STATE ENGINEER

Salt Creek.....	Cropsey, Harry T.....	Lincoln.....	Pump.....	Irrig.....	.72	26	9	6E	Lancaster...	Dec.	8	1939	3040
Salt Creek.....	Cropsey, Harry T.....	Lincoln.....	Pump.....	Irrig.....	.33	26	9	6E	Lancaster...	May	24	1940	3164
Sand Creek.....	Hudec, Joe.....	Wahoo.....	Wanahoo Park Lake.....	Fish.....	†12AF	3	14	7E	Saunders...	July	25	1934	2442
Sand Creek.....	Dolezal, Edward.....	Wahoo.....	Dolezal Lake.....	Fish.....	†2.25AF	22	15	7E	Saunders...	Aug.	1	1934	2452
Scott Reservoir..	Scott, R. D.....	Lincoln.....	Pump.....	Irrig.....		22	12	5E	Lancaster...	Dec.	7	1936	2762
Silver Creek.....	Game, Forestation and Parks Commission	Lincoln.....	Armour & Co. Reservoir.	Ice.....	10.00	7	13	9E	Saunders...	Oct.	18	1897	415
Silver Creek.....	Hanké, Herman.....	Palmer.....	Pump.....	Irrig.....	.50	35	14	8E	Saunders...	July	23	1934	2436
Springs.....	Newton Land Co.....	Omaha.....	Spring Branch Canal.....	Irrig.....	.07	13	14	13E	Sarpy.....	June	18	1895	29
Springfield Cr...	Trumble, Floyd D.....	Papillion.....	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.....	Pump.....	Irrig.....	.65	25	22	2	Madison...	Aug.	19	1936	2619
Taylor Creek.....	Robertson, J. D.....	Madison.....	Pump.....	Irrig.....	.75	30	22	1	Madison...	Oct.	30	1939	3002
Taylor Creek.....	Leu, George.....	Madison.....	Pump.....	Irrig.....	.26	25	22	2	Madison...	Oct.	31	1940	3316
Taylor Creek.....	Leu, George.....	Madison.....	Pump.....	Irrig.....	.39	26	22	2	Madison...	Sept.	18	1943	3653
Union and Taylor Creeks	Brechler and Neeley.....	Madison.....	Union Valley Roller Mills	Power.....		32	22	1	Madison...				998*
Union Creek.....	Krueger, Fred L.....	Madison.....	Pump.....	Irrig.....	.43	24	21	2	Madison...	May	9	1934	2379
Union Creek.....	Steckelberg, Carl Frederic	Lincoln.....	Pump.....	Irrig.....	2.33	31	22	1E	Stanton....	Aug.	13	1934	2461
Union Creek.....	Fuchs, John B.....	Stanton.....	Pump.....	Irrig.....	.85	31	23	2E	Stanton....	May	22	1936	2580
Union Creek.....	Christian Bros.....	Madison.....	Pump.....	Irrig.....	1.68	32	22	1	Madison...	Nov.	4	1936	2652
Union Creek.....	Mastny, Frank.....	Stanton.....	Pump.....	Irrig.....	1.45	1	22	1E	Stanton....	Nov.	9	1936	2656
Union Creek.....	Jacobsen, Chas. H.....	Omaha.....	Pump.....	Irrig.....	.43	13	21	2	Madison...	Mar.	20	1937	2720
Union Creek.....	Long, Fred and Sons.....	Madison.....	Pump.....	Irrig.....	.72	29	22	1E	Stanton....	July	15	1937	2761
Union Creek.....	Luxa, Longin.....	Stanton.....	Pump.....	Irrig.....	1.02	1	22	1E	Stanton....	Aug.	29	1939	2954
Union Creek.....	Price, Willet J.....	Wisner.....	Pump.....	Irrig.....	.33	21	22	1E	Stanton....	Sept.	8	1939	2960
Union Creek.....	Martin and Purdy.....	Madison.....	Pump.....	Irrig.....	.43	1	21	1	Madison...	Oct.	26	1939	2998

* Claim not adjudicated.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Union Creek....	Mortimer, Daisy A. Balzer, Irene M.	Compton, Cal. De Snet, S. D.	Pump.....	Irrig.....	.39	35	21	2	Madison....	Dec.	19	1939	3062
Union Creek....	Martin, J. E., et al....	Madison.....	Pump.....	Irrig.....	.07	1	21	1	Madison....	May	2	1940	3146
Wahoo Creek....	Wahoo Hunting Club....	Lincoln.....	Ayr Lake.....	Resort....	†60AF	28	13	9E	Saunders...	Dec.	30	1930	2184
Wahoo Creek....	Treptow, Herman.....	Ithaca.....	Pumps.....	Irrig.....	1.43	20	14	8E	Saunders...	July	25	1934	2444
Wahoo Creek....	Ludvik, Antonie.....	Wahoo.....	Pump.....	Irrig.....	.96	29	14	8E	Saunders...	Aug.	15	1934	2463
Wahoo Creek....	Lanik, Joe L.....	Wahoo.....	Pump.....	Irrig.....	.64	8	14	7E	Saunders...	May	6	1940	3150
Walz Lake.....	Walz, Dorothy C.....	Battle Creek..	Pump.....	Irrig.....	.17	22	24	3	Madison....	Mar.	3	1937	2708
Willow Creek...	Hetrick, Geo. J.....	Pierce.....	Pump.....	Irrig.....	.05	26	26	4	Pierce.....	May	18	1937	2743
Willow Creek...	Synovec, Fred.....	Pierce.....	Pump.....	Irrig.....	.64	32	26	3	Pierce.....	June	19	1939	2931
Willow Creek...	Askey, H. A.....	Lincoln.....	Pump.....	Irrig.....		21	26	4	Pierce.....	July	24	1942	3461*
Willow Creek...	Vinson, Alfred A.....	Pierce.....	Vinson Reservoir	Storage...	†10AF	33	26	3	Pierce.....	Sept.	19	1946	3964
Willow Creek...	Hetrick, George.....	Pierce.....	Hetrick Reservoir	Storage...	†6AF	26	26	4	Pierce.....	Sept.	21	1946	3965
Willow Creek...	Kruntorad, James.....	Pierce.....	Kruntorad Reservoir	Storage...	†3AF	3	25	3	Pierce.....	Sept.	23	1946	3968
Willow Creek...	Schulz, Geo.....	Pierce.....	Pump	Irrig.....	.11	27	26	2	Pierce.....	Jan.	16	1948	4185
Zimmerer-Kuehn Lake	Zimmerer, Joe.....	Humphrey....	Pump No. 2.....	Irrig.....	.48	17	23	3E	Stanton....	Jan.	16	1940	3076

* Denotes application pending, or claim not adjudicated.
 † Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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. B.....	Atkinson.....	Fullerton Canal No. 2...	Irrig.....	.36	18	30	13	Holt.....	Mar.	23	1896		278
Anderson Res....	Anderson, Otto.....	Hay Springs..	Anderson Canal.....	Stor-Only..		2	29	47	Dawes.....	Oct.	16	1940		3396
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.....	Pump.....	Irrig.....	.12	30	33	41	Sheridan...	May	22	1933		2322
Antelope Creek...	Green, M. E.....	Gordon.....	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 Bros. Realty Co..	Lincoln.....	Woods Brothers Canal...	Irrig.....	11.78	29	34	35	Cherry.....	Sept.	21	1928		2035
Bear Creek.....	Cole, D. Jason.....	Merriman.....	Cole Dams.....	Irrig.....	8.19	13	34	37	Cherry.....	Feb.	24	1932		2254
						14	34	37	Cherry.....	Feb.	24	1932		2254
						7	34	36	Cherry.....	Feb.	24	1932		2254
						8	34	36	Cherry.....	Feb.	24	1932		2254
						10	34	36	Cherry.....	Feb.	24	1932		2254
Bear Creek.....	Bates, Harold S.....	Merriman.....	Bates Dams.....	Irrig.....	6.50	8	34	37	Cherry.....	July	12	1932		2276
						7	34	37	Cherry.....	July	12	1932		2276
						12	34	38	Cherry.....	July	12	1932		2276
Bear Creek.....	Bowring, Mrs. Arthur...	Merriman.....	Bar 99 Ranch Canal.....	Irrig.....	.43	15	34	37	Cherry.....	Aug.	31	1932		2282
Bear Creek.....	Bowring, Mrs. Arthur...	Merriman.....	Bar 99 Ranch Canal.....	Irrig.....	.37	16	34	37	Cherry.....	Aug.	31	1932		2282R
Bear Creek.....	Bowring, Mrs. 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
Bear Creek.....	Bowring, Eva.....	Merriman.....	Bar 99 Ranch Canal.....	Irrig.....	.65	16	34	37	Cherry.....	Oct.	31	1940		3321

Stor-only. Land does not have a direct flow appropriation.

Bear Creek in Keya Paha County is a different stream than Bear Creek in Cherry County.

"R" Denotes relocation.

* Denotes application pending.

BUREAU OF IRRIGATION

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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.....	Game, Forestation and Parks Commission	Lincoln.....	Cottonwood Lake.....	Fish.....		16	34	37	Cherry.....	Nov.	4	1941		3529*
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	
Beeman Creek...	Rickman, A. L.....	Springview.....	Beeman Canal.....	Irrig.....	.30	23	32	20	Cherry.....	July	25	1895	613	
Big Sandy Creek.	Pickler, W. S.....	Cody.....	Badger Canal.....	Irrig.....	1.14	12	33	14	Holt.....	May	16	1902		667
Big Sandy Creek.	Johnson, C. A.....	Butte.....	Badger Mill.....	Power.....	35.00	12	33	14	Holt.....	Aug.	28	1902		685
Black Bird Creek	Mullen, A. F.....	O'Neill.....	Mullen Canal.....	Irrig.....	1.00	20	31	11	Holt.....	Aug.	18	1894	267	
Blue Bird Creek..	Murphy, P.....	O'Neill.....	Murphy Canal.....	Irrig.....	1.00	26	30	11	Holt.....	Sept.	7	1894	273	
Boardman Creek.	Ravenscraft, Olin.....	Kennedy.....	Bachelor Canal.....	Irrig.....	27.29	33	30	32	Cherry.....	Jan.	17	1935		2506
Boardman Creek.	Bachelor, C. B.....	Valentine.....	Bachelor Canal.....	Irrig.....	9.17	31	30	32	Cherry.....	May	11	1939		2922
Bone Creek.....	Bailey, R. R.....	Ainsworth.....	Pump.....	Irrig.....	1.15	14	30	22	Brown.....	Jan.	29	1942		3549
Box Butte Creek.	Sandoz, Wm.....	Marsland.....	Billys Canal.....	Irrig.....	.21	29	29	45	Sheridan...	Jan.	13	1900		533
Brush Creek.....	Nebraska Townsite Co.	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
Burton Creek.....	Horton, C. B. and F. T.	Springview.....	Placid Reservoir.....	Storage.....	†80AF	17	34	19	Keya Paha.	Feb.	24	1941		3400

Burton Creek Springs, Trib. to	Baker, Jno. D.	Burton	Pheasant Roost Lake	Fish	†12AF	5	34	19	Keya Paha	May	15	1940	3160
Canyon, Trib. to	Gilmore, Emery	South 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
Coffee Lake, et al	Coffey Lake Drainage District	Valentine	Coffey Lake Ditch	Drain.		33	39		Cherry	Nov.	22	1923	1729
						33	38		Cherry	Nov.	22	1923	1729
Coon Creek (See Laughing Water Creek)	Leonard, J. R.	Bassett	Pump	Irrig.	1.00	24	32	19	Rock	Aug.	17	1933	2344
Coon Creek	Leonard, J. R.	Bassett	J. R. Leonard Canal	Irrig.	1.14	24	32	19	Rock	Oct.	19	1940	3301
Coon Creek	Hughes, Joe	Bassett	Hughes Canal	Irrig.	.06	25	32	19	Rock	Oct.	21	1940	3302
Cottonwood Creek	Morrissey, Tim	Hemingford	Morrissey Canal	Irrig.	.71	17	29	48	Dawes	Feb.	16	1895	481
Cottonwood Creek	Fendrich and Lichte	Hemingford	Fendrich-Lichte Canal	Irrig.	.64	22	29	48	Dawes	May	9	1896	336
Cottonwood Creek	Lichte, Hugo	Chadron	Dunlap Canal	Irrig.	.38	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 Spring Reservoir	Storage	†15AF	16	27	54	Sioux	Apr.	1	1936	2572
Coyote Springs Reservoir	Watson, Claude R.	Mitchell	Coyote Springs Canal	Stor-only		16	27	54	Sioux	Apr.	1	1936	2579
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

† Reservoir capacity alleged by applicant.
 * Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Dry Creek.....	Game, Forestation and Parks Commission	Lincoln.....	Cottonwood Lake.....	Fish.....		16	34	37	Cherry.....	Feb.	26	1942		3555*
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.....	Riverview.....	Lamb Canal.....	Irrig.....	.01	6	31	19	Rock.....	Feb.	3	1934		2359
Elk Creek.....	Lamb Brothers.....	Riverview.....	Lamb Power Plant.....	Power.....	3.00	6	31	19	Rock.....	Feb.	3	1934		2360
Elk Creek.....	Koenig, Joe.....	Riverview.....	Pine Grove Lake.....	Fish.....	†1AF	8	31	19	Rock.....	Apr.	30	1934		2375
Fairfield Creek..	Kuhre, Wm. M.....	Johnstown....	Kuhre Plant.....	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. G.....	Johnstown....	Glencove Canal.....	Irrig.....	.86	26	33	24	Brown.....	Mar.	1	1911		1087
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 and Parks Commission	Lincoln.....	Hackberry Lake.....	Fish.....	†5000AF	7	30	29	Cherry....	Oct.	18	1932		2289
Gordon Creek....	Fawn Lake Ranch Co..	Rushville.....	Gordon Valley Reservoir.	Storage..	†95AF	3	28	39	Cherry....	July	27	1940		3219
Gordon Creek....	Young, Phylander H....	Simeon.....	Young Lake.....	Resort....		24	32	29	Cherry....	Sept.	9	1940		3258
Gordon Valley Reservoir	Fawn Lake Ranch Co..	Rushville.....	Gordon Valley Canal...	Stor-only..		3	28	39	Cherry....	July	27	1940		3427
Ground Water...	Newswanger, George...	Alliance.....	Newswanger Well No. 3.	Irrig.....		35	28	47	Box Butte..	Nov.	18	1947		4149*
Ground Water...	Newswanger, E. L.....	Alliance.....	Newswanger Well No. 2.	Irrig.....		34	26	47	Box Butte..	Nov.	18	1947		4150*
Ground Water...	Newswanger, E. L.....	Alliance.....	Newswanger Well No. 1.	Irrig.....		34	26	47	Box Butte..	Nov.	18	1947		4151*
Hay Creek.....	Johnson, K. T., Estate.	Cody.....	Johnson Canal.....	Irrig.....	.50	19	35	34	Cherry....	June	21	1940		3187

Hay Creek.....	Douglas Realty Co.....	Omaha.....	Hay Valley Canal.....	Irrig.....	7.96	26	35	34	Cherry.....	Dec.	15	1941	3540
Hay Springs Cr.	Barnes and Phillips.....	Hay Springs..	Barnes-Phillip Reservoir.	Storage...	†12AF	8	31	46	Sheridan...	Apr.	15	1935	2539
Hay Springs Cr.	Game, Forestation and Parks Commission	Lincoln.....	Walgren Lake.....	Fish.....	†1280AF	29	31	45	Sheridan...	May	20	1935	2549
Hay Springs Cr., North Branch	State Game and Parks Commission	Lincoln.....	Walgren Lake.....	Supple. S..	A-2549	19	31	45	Sheridan...	Dec.	15	1939	3053
Heckel Creek.....	Metzger, Paul.....	Merriman....	Metzger Project No. 1..	Irrig.....	.71	26	35	38	Cherry.....	Mar.	21	1938	2851
Heckel Creek.....	Metzger, Paul.....	Merriman....	Metzger Project No. 2..	Irrig.....	.14	23	35	38	Cherry.....	Mar.	21	1938	2852
Holt Creek.....	Schoettger, F. J.....	Burton.....	Schoettger Canal.....	Irrig.....	.14	32	35	20	Keya Paha.	Feb.	23	1895	595
Holt Creek, 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 Head Cr., Trib. to	Conger, C. K.....	Norden.....	Conger Canal.....	Irrig.....	.10	5	33	24	Keya Paha.	Sept.	16	1895	158
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 and Parks Commission	Lincoln.....	Shell Lake.....	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
Jewett Creek....	Jewett, C. P.....	Meadville....	B. L. Canal.....	Irrig.....	.71	5	32	21	Keya Paha.	Oct.	23	1894	590
Keyapaha River..	Yocum, J. C.....	Butte.....	Yocum Canal.....	Irrig.....	1.14	23	34	15	Boyd.....	Sept.	7	1894	573
Keyapaha River..	Bruce, Andrew & Son..	Naper.....	Bruce Roller Mills.....	Power.....	100.00	24	34	16	Boyd.....	Oct.	5	1903	729
Keyapaha River..	Cook, James E.....	Mills.....	Pump.....	Irrig.....	.28	3	34	18	Keya Paha.	Feb.	24	1948	4211
Kibby Creek....	Green, Martha J.....	Hillside.....	Green Canal.....	Irrig.....	.01	28	34	16	Boyd.....	Apr.	1	1904	747

*Denotes application pending.

† Reservoir capacity alleged by applicant.

Stor-only. Land does not have a direct flow appropriation.

Supple. S. Denotes additional storage water.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Laughing Water Creek (See Coon Creek)	Leonard, J. R.	Bassett.	Pump.	Irrig.	.43	25	32	19	Rock.	Aug.	17	1933		2344
Laughing Water Creek	Leonard, J. R. and Raymond S.	Bassett.	Leonard Canal.	Irrig.	.68	24	32	19	Rock.	Oct.	31	1940		3320
Long Pine Creek.	Consumers P. P. Dist.	Columbus.	Long Pine Plant.	Power.	48.00	30	30	20	Brown.	Apr.	2	1909		941
Long Pine Creek.	Ainsworth Outdoor Club.	Ainsworth.	Ainsworth Reservoir.	Storage.	†86AF	19	29	20	Brown.	Sept.	9	1946		3955
Long Pine Creek. Trib. to	Grant, C. G.	Long Pine.	Grant Canal.	Irrig.	.14	4	31	20	Rock.	Jan.	1	1895	400	
Louse Creek	Lansberry, Mrs. Frankie	Red Bird.	Lansberry Canal.	Irrig.	.50	12	32	10	Holt.	Sept.	18	1930		2166
Middle Cr., E. B.	McGuire, M. W.	Norden.	McGuire Canal.	Irrig.	.71	32	33	23	Keya Paha.	June	1	1884	606	
Middle Cr., W. B.	Allen, M. M.	Norden.	Allen Canal.	Irrig.	.50	29	33	23	Keya Paha.	June	1	1891	616	
Middle Cr., W. B.	Allen, M. M.	Norden.	Allen Canal.	Irrig.	1.00	29	33	23	Keya Paha.	May	2	1904		753
Mile Board Lake.	Ed. of Co. Commissioners	Valentine.	Mile Board Ditch.	Drain.		5	34	35	Cherry.	Sept.	17	1924		1750
Minnehadazu Cr.	Consumers P. P. Dist.	Columbus.	Pierce Milling Plant.	Power.	35.00	30	34	27	Cherry.	Sept.	12	1896		359
Minnehadazu Cr.	City of Valentine.	Valentine.	Valentine Plant.	Power.	40.00	29	34	27	Cherry.	Apr.	16	1913		1279
Minnehadazu Cr.	Village of Crookston.	Crookston.	Community Lake.	Resort.	†27AF	7	34	29	Cherry.	Dec.	13	1935		2568
Minnehadazu Cr.	Game, Forestation and Parks Commission	Lincoln.	Valentine Lake.	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.	Lokotah 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

BUREAU OF IRRIGATION

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...	Wilkins, Orville T., et al	Marsland.....	McLaughlin Canal.....	Irrig.....	7.14	9	28	52	Box Butte..	May	1	1888	566
Niobrara River...	Cook, J. H.....	Agate.....	McGinley-Stover Lower South Canal	Irrig.....	1.71	25	29	56	Sioux.....	May	1	1890	513b
Niobrara River...	Hughes, John.....	Marsland.....	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-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	36	29	51	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., Estate..	Boulder, Colo.	Meridian Canal.....	Irrig.....	.57	25	29	50	Dawes.....	Jan.	10	1894	459
Niobrara River...	Taylor, Geo. L., Estate..	Nonpariel....	Enterprise Canal.....	Irrig.....	5.71	27	29	50	Dawes.....	Jan.	27	1894	461
Niobrara River...	Furman, 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.....	2.09	35	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, Hannah.....	Omaha.....	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, Frank.....	Marsland.....	LaBelle Canal.....	Irrig.....	2.00	6	28	54	Sioux.....	Mar.	12	1895	518
Niobrara River...	Furman, Willis B.....	Marsland.....	Snow Canal.....	Irrig.....	2.86	35	29	51	Dawes.....	Mar.	26	1895	485
Niobrara River...	Wilkins, Orville T., et al	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	
Niobrara River...	Bourett, John S.....	Harrison.....	Bourett South Canal...	Irrig.....	1.16	29	30	56	Sioux.....	June	10	1895	
Niobrara River...	Harris, Frank.....	Marsland.....	LaBelle Canal.....	Irrig.....	3.14	6	28	54	Sioux.....	July	3	1895	
Niobrara River...	Todd, Claude E.....	Marsland.....	Moore Canal.....	Irrig.....	5.71	9	28	53	Sioux.....	July	22	1895	

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†Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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...	Sandoz, George, et al.	Milan, Minn.	Mettlen Canal.....	Irrig.....	4.90	4	28	54	Sioux.....	Apr.	27	1896	292
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 Plant.....	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, James H.....	Hemingford...	Montague Canal.....	Irrig.....	.43	27	29	48	Dawes.....	Sept.	27	1900	575
Niobrara River...	Montague, 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...	Consumers P. P. Dist.	Columbus.....	Valentine Plant.....	Power.....	1600.00	27	34	27	Cherry.....	Jan.	29	1902	652
Niobrara River	Taylor, D. T.....	Hay Springs...	Taylor Canal.....	Irrig.....	4.57	28	29	47	Dawes.....	Aug.	8	1904	766
and Pepper Cr.													
Niobrara River...	Kirk, E. L.....	Sioux City, Ia.	Nebr. Pwr. Co. Plant...	Power.....	900.00	34	32	7	Knox.....	Sept.	24	1909	961
Niobrara River...	Kirk, E. L.....	Sioux City, Ia.	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.....	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	43	Sheridan...	Apr.	10	1911	1087
Niobrara River...	Sparks, Henrietta.....	Lincoln.....	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.....	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., et al.	Marsland.....	Mettlen Canal.....	Irrig.....	.75	4	28	54	Sioux.....	Dec.	18	1912	1248
Niobrara River...	Davison, F. B., et al.	Marsland.....	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...	Consumers P. P. Dist..	Columbus.....	Northern Neb. Plant No.1	Power.....	1450.00	30	33	11	Boyd-Holt..	Oct.	30	1923	1725
(See A-3574)													
Niobrara River...	Consumers P. P. Dist..	Columbus.....	Northern Neb. Plant No.1	Rs. Dam..	A-1725	30	33	11	Boyd-Holt..	Aug.	20	1925	1777
Niobrara River...	Consumers P. P. Dist..	Columbus.....	Northern Neb. Plant No.1	Rs. Dam..	A-1725	30	33	11	Boyd-Holt..	Aug.	29	1927	1955
Niobrara River...	Braadstreet, W. D.....	Spencer.....	Verdigris Plant.....	Power.....		32	32	7	Knox.....	Dec.	30	1930	2183*
Niobrara River...	Sandoz, Geo. E.....	Milan, Minn..	Mettlen Canal.....	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...	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.....	Irrig.....	1.92	10	28	52	Box Butte..	Mar.	28	1932	2264
Niobrara River...	Hucke, Sarah E.....	Hemingford..	Montague Canal.....	Irrig.....	1.76	28	29	48	Dawes.....	Mar.	31	1932	2266
Niobrara River...	Harris, Frank, et al..	Marsland.....	Harris-Neece Canal.....	Irrig.....	7.27	3	28	55	Sioux.....	July	11	1932	2275
Niobrara River...	Nellis, Claud.....	Monowi.....	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, Chas.....	Hemingford..	Lichte Canal.....	Irrig.....	2.95	27	29	48	Dawes.....	Mar.	2	1935	2523
Niobrara River...	Johndreau, J. N.....	Gordon.....	Pumps.....	Irrig.....	.96	24	31	42	Sheridan...	Aug.	9	1935	2555
						25	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...	Woodhouse, Earl.....	Gordon.....	Pump.....	Irrig.....	.34	17	31	41	Sheridan...	Apr.	25	1936	2623
Niobrara River...	Kuchera, Harry J.....	Rushville...	Pump.....	Irrig.....	.90	32	30	44	Sheridan...	Nov.	6	1936	2654
Niobrara River...	U. S. of America.....	Denver, Colo.	Mirage Flats Canal.....	Irrig.....	158.38	26	29	48	Dawes.....	Jan.	25	1937	2683
Niobrara River...	U. S. of America.....	Denver, Colo.	Box Butte Reservoir....	Storage...	†15,000AF	28	29	49	Dawes.....	Mar.	6	1937	2709a
						33	29	49	Dawes.....	Mar.	6	1937	2709a
(See A-3456)													
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..	Pump.....	Irrig.....	1.64	26	29	48	Dawes.....	Feb.	11	1938	2838
Niobrara River...	Liska, Vac C.....	Niobrara.....	Pump.....	Irrig.....	.35	17	32	6	Knox.....	June	19	1939	2930
Niobrara River...	Dalton, Charles S., et al	Niobrara.....	Pump.....	Irrig.....	15.47	2	31	7	Knox.....	Sept.	21	1939	2968
Niobrara River...	Bauder, G. E.....	Lewiston, Id..	Pump.....	Irrig.....	1.54	29	33	37	Cherry.....	Feb.	27	1941	3404
Niobrara River...	Hrbek, Fred.....	Monowi.....	Pump.....	Irrig.....	.03	2	32	9	Boyd.....	June	12	1941	3449
Niobrara River...	U. S. of America.....	Denver, Colo.	Box Butte Reservoir....	Storage...	†32,670AF	28	29	49	Dawes.....	June	24	1941	3456
						33	29	49	Dawes.....	June	24	1941	3456
(See A-2709a)													

*Denotes application pending.
†Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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... (See A-1725)	Consumers P. P. Dist...	Columbus.....	Northern Nebraska Plant No. 1	Power.....	550.00	30	33	11	Boyd-Holt..	June	8	1942	3574
Niobrara River...	Iodence, Chas. G.....	Hemingford...	Lichte Canal.....	Irrig.....	.66	27	29	48	Dawes.....	Dec.	28	1942	3592
Niobrara River...	U. S. of America.....	Denver, Colo.	Mirage Flats Canal....	Irrig.....	40.46	26	29	48	Sheridan...	May	18	1944	3729
Niobrara River...	Furman, H. G.....	Marsland.....	Pioneer Canal No. 2....	Irrig.....	.78	36	29	51	Dawes.....	Mar.	8	1945	3812
Niobrara River...	Montague and Sparks...	Hemingford...	Montague Canal.....	Irrig.....	.60	27	29	48	Dawes.....	July	11	1946	3923
Niobrara River, Ravine, Trib. to	Anderson, Otto.....	Hay Springs...	Anderson Reservoir....	Storage...	†20AF	2	29	47	Dawes.....	Oct.	16	1940	3297
Niobrara River, Ravine, Trib. to	Wilson, John L.....	Harrison.....	Wilson Reservoir.....	Storage...	†7AF	27	33	57	Sioux.....	Nov.	26	1940	3337
Pine Creek.....	Colclessler, Lewis.....	Rushville.....	Pine Creek Mills.....	Power.....	32.00	33	30	44	Sheridan...	June	5	1893	415
Pine Creek.....	Game, Forestation and Parks Commission	Lincoln.....	Smith Lake Reservoir...	Storage...	†3500AF	16	28	44	Sheridan...	Sept.	15	1947	4114
Plum Creek.....	Plum Creek Irrig. Co...	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.....	Consumers P. P. Dist...	Columbus.....	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
Red Bird Creek..	Mellor, G. W., Estate...	Red Bird.....	Pump.....	Irrig.....	.32	14	32	10	Holt.....	Oct.	24	1940	3308
Richman Creek...	Byington, Mrs. W. W...	Riverview...	Byington Canal.....	Irrig.....	1.00	22	32	20	Keya 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 Cr.	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.	Luedtke, Elmer.	Red Bird.	Pump.	Irrig.	.57	6	32	9	Holt.	Dec.	15	1934		2499
Sand Creek.	Peacock, Gardie M.	Newport.	Peacock Reservoir.	Storage.		35	32	18	Rock.	Aug.	30	1948		4333
Sandy Creek, Big	Hewett, Mrs. Mary.	Atkinson.	Hewett Canal.	Irrig.		2	32	15	Holt.	Sept.	13	1948		4342
Shobe Branch.	Lamb, A. J.	Spencer.	Lamb Canal.	Irrig.	.14	30	33	11	Holt.	July	6	1896		322
Snider Creek.	Pickler, W. C.	Springview.	Old Canal.	Irrig.	.01	31	33	19	Keya Paha.	May	1	1894	607	
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.	Horse Shoe Lake.	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, Everett E.	Naper.	Smith Canal.	Irrig.	.16	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.	Irrig.	.23	1	32	11	Holt.	Apr.	9	1935		2535
Turkey Creek.	LaRue, Chas.	Long Pine.	LaRue Canal No. 1.	Irrig.	.43	35	33	23	Keya Paha.	Feb.	9	1900		539
Turkey Creek.	LaRue, Chas.	Long Pine.	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.	Densberger, Warren A.	Norden.	Logan Canal.	Irrig.	.03	23	33	23	Keya Paha.	Aug.	7	1934		2457
Turkey Creek.	Bates, Harry M.	Meadville.	Pump.	Irrig.	.07	36	33	23	Keya Paha.	Oct.	29	1934		2489
Turkey Creek, Trib. to	O. H. Johnson & Co.	Norfolk.	Pump.	Irrig.	.01	23	33	23	Keya Paha.	Apr.	23	1935		2541

Spring Creek in each county is a different stream.

† Reservoir capacity alleged by applicant.

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Diversion or Dam Location of				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Verdigre Creek...	Hanson, J. W.....	Emmetburg, Iowa	Drayton Canal.....	Irrig.....	2.86	8	28	8	Antelope...	Aug.	11	1894	248	
Verdigre Creek Ravine, Trib. to	Creighton Rod and Gun Club	Creighton....	Rod and Gun Club Reservoir	Storage...	†62AF	1	28	7	Antelope...	July	12	1946		3926
Verdigre Creek Springs, Trib. to	Backers, Lydia O.....	North Platte..	Backers Canal.....	Irrig.....	5.94	15	29	9	Holt.....	June	15	1942		3577
Whistle Creek...	Davison, Ella.....	Marsland....	Whistle Creek Canal.....	Irrig.....	1.00	12	28	54	Sioux.....	June	28	1895		58
Whistle Creek...	Harris, Frank.....	Marsland....	Home Canal.....	Irrig.....	.86	13	28	54	Sioux.....	July	3	1895		65
Wilson Reservoir.	Wilson, John L., et al.	Harrison....	Wilson Canal.....	Stor-Only.		27	33	57	Sioux.....	Nov.	26	1940		3490
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

† Reservoir capacity alleged by applicant.
Stor-only. Land does not have a direct flow appropriation.

REPORT OF THE STATE ENGINEER

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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, Gregory R.....	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, Gregory R.....	Whitney.....	Cripps Reservoir.....	Storage...	†90AF	12	32	51	Dawes.....	Sept.	28	1934		2481
Ash Creek.....	Cartwright, Cora H. C., Estate	Whitney.....	Pump.....	Irrig.....	.07	7	32	50	Dawes.....	Mar.	13	1940		3117
Ash Creek, East.	Smith, Wm. J.....	Whitney.....	Ox Yoke (Tomlin) Canal.	Irrig.....	1.38	29	32	50	Dawes.....	May	31	1880	447R	
Ash Creek, East.	Ivins, Myrtle L. and Hamm, Royce.....	Crawford Whitney	Stumph Canal.....	Irrig.....	1.00	32	32	50	Dawes.....	May	31	1880	447R	
Ash Creek, East.	Sprague, Lewis Edgar, Est. and Hamm, Royce	Chadron Whitney	Barron Canal.....	Irrig.....	1.14	32	32	50	Dawes.....	July	1	1888	438	
Ash Creek, East.	Hamm, Royce.....	Whitney.....	Stumph Canal.....	Irrig.....	.20	31	32	50	Dawes.....	Sept.	5	1892	1023½	
Ash Creek, East.	Hamm, Royce.....	Whitney.....	Ox Yoke-Stumph Canal..	Irrig.....		31	32	50	Dawes.....				1051*	
Ash Creek, East.	Ivins, Orville R.....	Crawford.....	Sheldon Canal.....	Irrig.....	1.43	30	32	50	Dawes.....	Jan.	28	1899		493
Ash Creek, East.	Vetter, Andrew, Jr.....	Whitney.....	Todd Canal.....	Irrig.....	.38	5	31	50	Dawes.....	Sept.	12	1899		520
Ash Creek, East (See Indian Cr.)	Norman, Harry.....	Whitney.....	Norman Reservoir.....	Storage...	†776AF	32	32	50	Dawes.....	Aug.	22	1927		1953
Ash Creek, East.	Sprague, Lewis Edgar, et al	Chadron.....	Barron Canal.....	Irrig.....	.89	32	32	50	Dawes.....	Aug.	15	1928		2024
Ash Creek, East.	Thomas, Olive S.....	Chadron.....	Thomas Canal.....	Irrig.....	1.00	19	32	50	Dawes.....	Dec.	17	1928		2057
Ash Creek, East.	Seegrist, Cloid.....	Whitney.....	Seegrist Plant.....	Power.....	3.00	8	31	50	Dawes.....	May	20	1930		2140
Ash Creek, East.	Hamm, Royce.....	Whitney.....	Ox Yoke-Stumph Canal..	Irrig.....		31	32	50	Dawes.....	June	6	1931		2205*
Ash Creek, West	Vetter, Jos. and Leo....	Crawford....	Mace Canal.....	Irrig.....	1.00	2	31	51	Dawes.....	July	31	1884	428	
Ash Creek, West	Ivins, Orville R., et al.	Crawford....	West Ash Creek Canal..	Irrig.....	.40	36	32	51	Dawes.....	July	4	1893	452	
Ash Creek, West	Ivins, Myrtle L., et al.	Crawford....	West Ash Creek Canal..	Irrig.....	.80	35	32	51	Dawes.....	July	4	1893	452R	

† Reservoir capacity alleged by applicant.
* Denotes claim not adjudicated, or application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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, West	Ivins, Orville R.....	Crawford.....	Wall Canal.....	Irrig.....	.57	35	32	51	Dawes.....	Feb.	3	1898		434
Ash Creek, West	Ivins, Myrtle L., et al.	Crawford.....	West Ash Creek Canal..	Irrig.....	1.31	35	32	51	Dawes.....	Jan.	6	1941		3362
Beaver Creek....	Pegues, Mrs. Gladys, Henry, Doris	Chadron Palo Alto	Lockler Canal.....	Irrig.....	1.83	34	35	47	Dawes.....	Sept.	15	1892	1017	
Beaver Creek....	Pegues, Mrs. Gladys, Henry, Doris	Chadron Palo Alto	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	34	47	Dawes.....	Nov.	24	1897		463
Beaver Creek....	U. R. Land & Cattle Co.	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....	Pegues, Mrs. Gladys, Henry, Doris	Chadron Palo Alto	Braddock Canal.....	Irrig.....	.39	18	34	46	Sheridan...	Sept.	19	1928		2033
Beaver Creek....	Pegues, Mrs. Gladys, Henry, Doris	Chadron Palo Alto	Lockler Canal.....	Irrig.....	.49	34	35	47	Dawes.....	Sept.	19	1928		2034
Beaver Creek....	Tulloss, Frank L.....	Hay Springs..	Tulloss Lake.....	Fish.....	†4AF	3	32	46	Sheridan...	May	22	1930		2141
Bordeaux, Big..	O'Donnell, Pat.....	Chadron.....	O'Donnell Canal.....	Irrig.....	.14	9	34	48	Dawes.....	Jan.	17	1898		432
Bordeaux, Big..	Thomas Brothers.....	Chadron.....	Thomas Canal.....	Irrig.....	.16	34	34	48	Dawes.....	Sept.	12	1924		1748
Bordeaux, Big..	O'Donnell, Pat.....	Chadron.....	O'Donnell Canal.....	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..	Bass, Verner.....	Chadron.....	Pump.....	Irrig.....	.10	14	33	48	Dawes.....	July	24	1930		2151
Bordeaux, Big..	Nelson, Oluffine N., et al	Chadron.....	Pump No. 1.....	Irrig.....	.14	14	33	48	Dawes.....	Aug.	11	1932		2279
Bordeaux, Big..	Bass, Verner.....	Chadron.....	Pump No. 2.....	Irrig.....	.03	14	33	48	Dawes.....	July	7	1933		2328
Bordeaux, Big..	Gochnauer, Chris. H....	Chadron.....	Gochnauer Canal.....	Irrig.....	.17	10	33	48	Dawes.....	July	11	1934		2420
Bordeaux, Big..	Martens, Paul A.....	Chadron.....	Pump.....	Irrig.....	.21	16	34	48	Dawes.....	Nov.	16	1937		2801
Bordeaux, Big..	Nelson, Ernest E.....	Chadron.....	Pump.....	Irrig.....	1.06	14	33	48	Dawes.....	May	25	1942		3570
Bordeaux, Big..	Bass, Verner.....	Chadron.....	Bass Nursery Canal.....	Irrig.....	1.23	23	33	48	Dawes.....	Apr.	11	1946		3891

Bordeaux, Little.	Schmidt, Elwin.....	Crawford.....	Hartzell Canal.....	Irrig.....	.57	13	33	48	Dawes.....	June	1	1893	448	
Bordeaux, Little.	Fraday, C. H.....	Chadron.....	Fraday Canal.....	Irrig.....		30	33	47	Dawes.....				1009*	
Chadron Creek...	City of Chadron.....	Chadron.....	Chadron Water Works..	Dom.....	1.00	18	32	48	Dawes.....	Dec.	31	1888	1022	
Chadron Creek...	Gorr, James O., Estate..	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 Works..	Dom.....	4.50	18	32	48	Dawes.....	Apr.	8	1920		1583
Chadron Creek...	State Park Board.....	Lincoln.....	State Park Lake.....	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, Big.	Whitney Irrig. District..	Whitney.....	Moody Reservoir.....	Storage..		10	33	52	Dawes.....	Feb.	27	1948		4224*
Cottonwood, Big.	Moody, Tom.....	Crawford.....	Hawk Nest Reservoir...	Storage..	†17AF	31	34	52	Dawes.....	Dec.	8	1941		3537
Ravine, Trib. to														
Cottonwood, Big.	Moody, Tom.....	Crawford.....	North Draw Reservoir...	Storage..	†34AF	32	34	52	Dawes.....	Dec.	8	1941		3538
Ravine, Trib. to														
Cottonwood, Big.	Norman, Ben.....	Crawford.....	Norman Reservoir.....	Storage..	†150AF	35	34	53	Sioux.....	July	6	1942		3580
Ravine, Trib. to									Sioux.....	July	6	1942		3580
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	Crawford.....	Stuart Bros. North Canal	Irrig.....	1.43	18	32	52	Dawes.....	June	10	1895		8
	Golden, T. F., Estate													
Cottonwood, Lit.	Price, J. A. B. and	Crawford.....	Stuart Bros. South Canal	Irrig.....	1.43	18	32	52	Dawes.....	June	10	1895		8R
	Golden, T. F., Estate													
Cottonwood, Lit.	Dahlheimer, Frank E...	Crawford.....	Dunn Canal.....	Irrig.....	1.43	9	32	52	Dawes.....	Jan.	14	1902		649
Cottonwood, Lit.	Erickson, John R.....	Crawford.....	Stewart-Maple Canal...	Irrig.....	.70	3	32	52	Dawes.....	Mar.	10	1902		656
Cottonwood, Lit.	Hanks, Vera, et al.....	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 Reservoir	Storage..	†480AF	13	32	53	Sioux.....	Apr.	15	1913		1276
Cottonwood, Lit.	Simons, Raner.....	Crawford.....	Simons Canal.....	Irrig.....	.77	9	32	51	Dawes.....	Feb.	12	1934		2363

† Reservoir capacity alleged by applicant.

* Denotes application pending.

"R." Denotes relocation.

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

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Source	Appropriator or Operator	Post Office	Carrier	Applied which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Cottonwood, Lit. (See White R.)	Whitney Irrig. District..	Crawford.....	Simmons Supply Canal..	Supple.S. A-1603	†359AF	7	32	51	Dawes.....	Aug.	11	1936		2607
Cottonwood, Lit.	Whitney Irrig. District..	Crawford.....	Blust Supply Canal.....	Supple.S. A-1603	†2000AF	7	32	51	Dawes.....	Aug.	11	1936		2607
Cripps Reservoir.	Cripps, Gregory R.....	Whitney.....	Pump	Stor-only..		12	32	51	Dawes.....	Sept.	28	1934		2571
Cuff Canyon.....	Sanders, Warren.....	Chadron.....	Sanders Canal.....	Irrig.....	.07	5	31	49	Dawes.....	Nov.	2	1932		2290
Dead Horse Creek	Schumacher, Edw. A....	Chadron.....	Kemery Canal.....	Irrig.....	.01	5	31	49	Dawes.....	Sept.	1	1880	493	
Dead Horse Creek	Woodruff, F. B., et al..	Chadron.....	Flag Butte Canal.....	Irrig.....	.03	32	32	49	Dawes.....	Apr.	10	1891	427	
Dead Horse Creek	Geiser, B. A.....	Chadron.....	Geiser Canal.....	Irrig.....	.16	17	32	49	Dawes.....	Mar.	18	1902		658
Dead Horse Creek	White, Mrs. C. M., et al	Chadron.....	Slattery Canal.....	Irrig.....	.99	32	33	49	Dawes.....	Apr.	6	1904		749
Dead Horse Creek	White, Mrs. C. M., et al	Chadron.....	Slattery Canal.....	Irrig.....	.95	30	33	49	Dawes.....	Apr.	6	1904		749R
Dead Horse Creek	White, Mrs. C. M.....	Chadron.....	Slattery Canal.....	Irrig.....	.55	32	33	49	Dawes.....	June	15	1928		2021
Dead Horse Creek	Rowe, George R.....	Chadron.....	Rowe Canal.....	Irrig.....	1.15	29	32	49	Dawes.....	Oct.	21	1946		3987
Dead Horse Cr. Spgs., Trib. to	Goff, Theodore.....	Chadron.....	Goff Canal.....	Irrig.....	.14	30	32	49	Dawes.....	Apr.	2	1891	441	
Dead Man Creek	City of Crawford.....	Crawford.....	Dead Man Canal.....	Dom.....	1.00	26	31	53	Sioux.....	Dec.	15	1938		2899
Deep Creek.....	Yohe, Wayne.....	Crawford.....	Deep Creek Canal.....	Irrig.....	.06	9	30	53	Sioux.....	May	1	1887	525	
Deep Creek.....	Yohe, Wayne.....	Crawford.....	Holberg Lake.....	Storage..	†1.50AF	4	30	53	Sioux.....	July	19	1933		2334
Deep Creek.....	Yohe, Wayne.....	Crawford.....	Deep Creek Canal.....	Irrig.....	.22	9	30	53	Sioux.....	July	19	1933		2335
Dodd-McDowell Reservoir	Dodd, Mrs. Calvin H....	Crawford.....	Dodd-McDowell Canal..	Stor-only..		17	32	52	Dawes.....	Apr.	15	1913		1571
Dry Canyon.....	Betson, Wm. A.....	Crawford.....	Betson Canal.....	Irrig.....	1.00	33	32	51	Dawes.....	Mar.	22	1917		1481

REPORT OF THE STATE ENGINEER

Dry Creek (See White R.)	Whitney Irrig. District..	Crawford.....	Pilister Reservoir.....	Supple.S. A-1603	†360AF	15	33	51	Dawes.....	Aug.	11	1936	2608
Dry Creek.....	Whitney Irrig. District..	Crawford.....	Stewart Reservoir.....	Supple.S. A-1603	†700AF	15	33	51	Dawes.....	Aug.	11	1936	2608
Dry Creek.....	Whitney Irrig. District..	Crawford.....	Balwin Reservoir.....	Supple.S. A-1603	†340AF	15	33	51	Dawes.....	Aug.	11	1936	2608
Dry Draw.....	Ernest, Geo. A.....	Chadron.....	Ernest Canal.....	Irrig.....	3.71	22	35	49	Dawes.....	Feb.	20	1911	1061
Dry Draw.....	Heath, Mrs. W. E.....	Crawford.....	Heath Reservoir.....	Storage...	†200AF	12	32	53	Sioux.....	Feb.	7	1917	1475
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, Robt. H.....	Crawford.....	McDowell System.....	Irrig.....	.87	12	31	52	Dawes.....	Oct.	24	1904	772
English Creek...	McDowell, Mrs. Effie...	Crawford.....	McDowell Lake No. 3...	Fish.....	†5AF	2	31	52	Dawes.....	Jan.	22	1929	2064
English Creek...	McDowell, Mrs. Effie...	Crawford.....	McDowell Lake No. 1...	Fish.....	†36AF	12	31	52	Dawes.....	Jan.	22	1929	2064
Flood Waters...	Lenehan, Della.....	Crawford.....	Lenehan Reservoir.....	Storage...	†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
Harris Reservoir.	Dodd, Clara A.....	Crawford.....	Harris Canal.....	Stor-only.		32	33	52	Dawes.....	Sept.	29	1922	1996
Hawk Nest Res..	Moody, Tom.....	Crawford.....	Moody Canal No. 1.....	Supple. I..	A-3536	32	34	52	Dawes.....	Dec.	8	1941	3818
Heath Reservoir.	Heath, Mrs. W. E.....	Crawford.....	Heath Canal.....	Stor-only.		12	32	53	Sioux.....	Feb.	7	1917	1612
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 Reservoir.....	Storage...	1.21	31	32	51	Dawes.....	Nov.	17	1905	803
Hooker Creek...	Scott and Steenburg...	Aurora.....	Alcorn Canal.....	Irrig.....		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

Supple. S. Denotes additional storage water.

Stor-only. Land does not have a direct flow appropriation.

† Reservoir capacity alleged by applicant.

"R." Denotes relocation.

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

Source	Appropriator or Operator	Post Office	Carrier	which which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						Diversion or Dam	Mo.	D	Yr.	Mo.	D			Yr.
Indian Creek.....	Renfro, Oscar S.....	Chadron.....	Seegrist Canal.....	Irrig.....	.86	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.....	Storage..	†60AF	3	31	50	Dawes.....	June	21	1926	1822
Indian Creek.....	Norman, Elmer D.....	Whitney.....	Norman Canal.....	Irrig.....	1.28	16	32	50	Dawes.....	Aug.	18	1927	1952
Indian Creek (Sec E. Ash Creek)	Norman, Harry.....	Whitney.....	Norman Reservoir.....	Storage..		28	32	50	Dawes.....	Aug.	22	1927	1953
Indian Creek.....	Renfro, Oscar S.....	Chadron.....	Flood Canal.....	Irrig.....	.10	34	32	50	Dawes.....	July	16	1931	2216
Indian Creek, Trib. to	Honnold Brothers.....	Whitney.....	Honnold-Wilson Canal..	Irrig.....	.07	3	31	50	Dawes.....	May	25	1912	1199
Indian Tree Cr..	Moody, Tom.....	Crawford.....	Moody Canal.....	Irrig.....	.74	32	34	52	Dawes.....	Dec.	8	1941	3536
Larabee Creek...	Sawyer, Clarence O....	Rushville.....	Larabee Canal.....	Irrig.....	1.12	6	34	44	Sheridan...	Apr.	14	1931	2197
Larabee Creek...	McParland, J. F., Jr...	Rushville.....	McParland Canal.....	Irrig.....	.33	22	34	44	Sheridan...	Jan.	9	1942	3544
Madden Cr. and North Creek	Flannigan, O. R.....	Chadron.....	Dams.....	Irrig.....	.57	31	35	48	Dawes.....	Oct.	17	1904	771
Minneapolis Cr..	Smoke, Wm. H.....	Chadron.....	Minneapolis Reservoir..	Irrig.....	.14	19	33	48	Dawes.....	July	21	1930	2149
Norman Reservoir	Norman, Harry.....	Whitney.....	Harry Canal.....	Stor-only..		8	32	50	Dawes.....	Aug.	22	1927	2179
North Draw Res.	Moody, Tom.....	Crawford.....	Moody Canal No. 2.....	Stor-only..		33	34	52	Dawes.....	Dec.	8	1941	3819
Patton Creek.....	Greenwood, Claude H....	White Clay....	Pump.....	Irrig.....	1.07	32	35	44	Sheridan...	Mar.	14	1938	2845
Pinney-Denslow Reservoir	Pinney, Ralph B.....	Crawford.....	Pinney Canal No. 2.....	Stor-only..		17	32	51	Dawes.....	Aug.	10	1911	2493

Renfro Reservoir	Renfro, Oscar	Chadron	Seegrst Canal	Stor-only		3	31	50	Dawes	June	21	1926	1823	
Rush Creek	Braddock, H. T.	Chadron	Braddock Canal	Irrig.	3.00	10	34	49	Dawes	May	4	1903	706	
Sand Creek	Arner and Everson	Crawford	Bendix Canal	Irrig.	.57	35	33	53	Sioux	Nov.	19	1895	189	
Sand Creek	Arner and Everson	Crawford	Bendix Canal	Irrig.	.83	35	33	53	Sioux	May	27	1922	1669	
Sand Creek	Whitney Irrig. Dist.	Whitney	Pitman Reservoir	Storage		33	33	52	Dawes	Feb.	27	1948	4225*	
Sand Creek	Whitney Irrig. Dist.	Whitney	Dunn Reservoir	Storage		32	33	52	Dawes	Feb.	27	1948	4226*	
Sand Creek, Ravine, Trib. to	Arner, Frank	Crawford	Arner Reservoir	Storage		29	33	53	Sioux	Mar.	12	1948	4232	
Saw Log, East	Young, Chas. A.	Crawford	Stephenson 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	Storage	†7A	F	32	33	52	Dawes	Sept.	29	1922	1689
Sheridan Creek	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	
Soldier Creek	James, George A.	Crawford	James Canal	Irrig.	2.89	5	31	53	Sioux	Mar.	22	1941	3417	
Soldier Creek	James, Geo. A.	Crawford	James Reservoir	Storage		5	31	53	Sioux	Jan.	19	1948	4186*	
Spring Branch (Tucker Cr.)	Cutler, Jennie R.	Harrison	Tucker Canal	Irrig.	.17	34	31	54	Sioux	June	1	1883	557	
Spring Creek	Galbreath, Alfred Lee, Galbreath, Albert Earl	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 Cr. Canal No. 1.	Irrig.	2.00	13	32	52	Dawes	Dec.	1	1894	473	

† Reservoir capacity alleged by applicant.
 Stor-only. Land does not have a direct flow appropriation.
 * Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Spring Creek.....	Lawrence, Fay E.....	Crawford.....	Spring Creek Canal.....	O. D.....	D-473	7	32	51	Dawes.....	Dec.	1	1894	2078
Spring Creek.....	Hanks, Vera.....	Chadron.....	Kusel Canal No. 2.....	Irrig.....	.43	8	32	51	Dawes.....	May	19	1900	560
Spring Creek.....	Forbes, J. D., Estate.....	Crawford.....	Forbes Canal No. 1.....	Irrig.....	.43	20	32	52	Dawes.....	Apr.	28	1902	663
Spring Creek.....	Lawrence, Fay E.....	Crawford.....	Spring Cr. Canal No. 1.....	Irrig.....	2.29	13	32	52	Dawes.....	Apr.	29	1905	788
Spring Creek.....	Benthack, Peter L.....	Chadron.....	Benthack Canal.....	Irrig.....	4.71	11	33	49	Dawes.....	Sept.	12	1924	1749
Squaw Creek.....	Hall, LeRoy and Frank.....	Crawford.....	Cooper Canal.....	Irrig.....	2.29	36	32	52	Dawes.....	May	8	1896	333
Squaw Creek.....	McDowell, Robt. H.....	Crawford.....	Squaw Creek Reservoir.....	Storage...	†200AF	12	31	52	Dawes.....	Oct.	3	1911	1132
Squaw Creek.....	McDowell, Robt. H.....	Crawford.....	McDowell Lake No. 4.....	Fish.....	†4AF	12	31	52	Dawes.....	Nov.	12	1931	2249
Squaw Creek Res.	McDowell, Robt. H.....	Crawford.....	Squaw Creek Canal.....	Stor-only..		12	31	52	Dawes.....	Oct.	3	1911	1631
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 Creek.	Tandy, Mrs. A. N.....	Crawford.....	McFarland Canal.....	Irrig.....	1.64	35	32	52	Dawes.....	May	18	1891	960
White Clay Creek (See White R.)	White River Irrig. Co.....	Crawford.....	White River Canal.....	Irrig.....	1.00	34	32	52	Dawes.....	Dec.	31	1894	477
White Clay Creek.	Pine Ridge Indian Agency	Pine Ridge, S. D.	Pine Ridge Canal.....	Irrig.....		35	45	Sheridan...					419*
White Clay Creek.	Hall, LeRoy and Frank.....	Crawford.....	Cooper Canal.....	Irrig.....	3.66	2	31	52	Dawes.....	June	22	1895	42
White Clay Creek.	McDowell, Robt.....	Crawford.....	Cooper Canal.....	Irrig.....	.05	2	31	52	Dawes.....	June	22	1895	42R
White Clay Creek.	Raben, Lorentz F.....	Crawford.....	Rinicker Canal.....	Irrig.....	.57	11	31	52	Dawes.....	June	8	1901	618
White Clay Creek.	Hutzel, John C.....	Crawford.....	Hutzel Canal.....	Irrig.....	.57	13	31	52	Dawes.....	Apr.	30	1903	704
White Clay Creek (See Saw Log)	Stewart, H. E.....	Crawford.....	Little Saw Log Canal.....	Irrig.....		12	30	52	Dawes.....	Jan.	23	1907	849
White Clay Creek.	Townsend, Chas.....	White Clay.....	Townsend Canal.....	Irrig.....	.80	25	35	45	Sheridan...	Jan.	21	1911	1054
White Clay Creek.	Raben, Lorentz F.....	Crawford.....	Handschugel Lake.....	Storage...	†150AF	11	31	52	Dawes.....	Dec.	17	1915	1441
White Clay Creek.	McDowell, Mrs. Effie.....	Crawford.....	Cooper Canal.....	Fish.....	†30AF	2	31	52	Dawes.....	Jan.	22	1929	2063
White Clay Creek.	North, A. C.....	Ft. Morgan, Colo.	Pump.....	Irrig.....	.38	36	35	45	Sheridan...	Mar.	26	1934	2369

White River.....	Raben, 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)	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.....	11.10	34	32	52	Dawes.....	Jan.	10	1895	478c
White River.....	C. B. & Q. R. R. Co.....	Lincoln.....	Crawford Pipe Line.....	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, J. Dawson, Est.....	Crawford.....	Rasher Canal.....	Irrig.....	.50	19	32	51	Dawes.....	May	23	1898	456
White River.....	Moody, Sarah L.....	Crawford.....	Rasher Canal.....	Irrig.....	1.43	19	32	51	Dawes.....	Jan.	16	1900	534
White River.....	Schwabe, August.....	Chadron.....	Schwabe 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 S. B.....	Irrig.....	1.43	25	32	52	Dawes.....	Mar.	11	1909	936
White River.....	Pinney and Denslow.....	Crawford.....	Harris-Cooper Canal.....	Storage.....	†50AF	26	32	52	Dawes.....	Aug.	10	1911	1122
White River.....	Moody, Sarah L.....	Crawford.....	Rasher-Forbes Canal.....	Irrig.....	.50	19	32	51	Dawes.....	Sept.	26	1911	1128
White River.....	Whitney Irrig. District.....	Whitney.....	Whitney Canal.....	Storage.....	†10,000AF	26	32	52	Dawes.....	Apr.	28	1921	1603
White River.....	Norman, Wm.....	Whitney.....	Whitney Pipe Line.....	Irrig.....	3.60	24	32	52	Dawes.....	May	2	1921	1604
White River.....	Whitney Irrig. District.....	Whitney.....	Whitney Pipe Line.....	Irrig.....	25.00	26	32	52	Dawes.....	Nov.	7	1921	1625
White River.....	Simons, Raner.....	Crawford.....	Whitney Pipe Line.....	Irrig.....	2.07	26	32	52	Dawes.....	Nov.	18	1921	1626
White River.....	Norman, Wm.....	Whitney.....	Whitney Pipe Line.....	Irrig.....	.41	26	32	52	Dawes.....	Apr.	26	1922	1660
White River.....	Fisher, H. L., Mrs.....	Chadron.....	Hageman Canal.....	Irrig.....	1.14	26	33	50	Dawes.....	Oct.	18	1928	2046
White River.....	City of Crawford.....	Crawford.....	Pump.....	Irrig.....	.57	3	31	52	Dawes.....	Mar.	12	1929	2075
White River.....	Bartlett, Alfred F.....	Chadron.....	Bartlett Canal.....	Irrig.....	.30	19	34	48	Dawes.....	Sept.	8	1932	2285
White River.....	Mobley, A. L.....	Crawford.....	Pump.....	Irrig.....	.05	3	31	52	Dawes.....	May	10	1934	2381
White River (See Dry Cr.)	Whitney Irrig. District.....	Crawford.....	Stewart-Balwin Res.....	Supple.S.....	A-1603	26	32	52	Dawes.....	Aug.	11	1936	2609
White River.....	Village of Whitney.....	Whitney.....	Whitney Water Supply.....	Dom.....	2.00	1	32	51	Dawes.....	Aug.	28	1936	2627

O.D. Denotes optional diversion.

† Reservoir capacity alleged by applicant.

Stor-only. Land does not have a direct flow appropriation.

* Denotes claim not adjudicated.

"R." Denotes relocation.

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
White River.....	Kennedy, Howard, Trustee	Omaha.....	Pump	Irrig.....	1.31	26	34	49	Dawes.....	Nov.	24	1939		3030
White River.....	Neill, B. E.....	Chadron.....	Pump	Irrig.....	.64	30	33	49	Dawes.....	Dec.	7	1939		3038
White River.....	Schumacher, T. A.....	Chadron.....	Schumacher Cistern.....	Dom.....	†.16AF	19	33	49	Dawes.....	Apr.	2	1940		3129
White River.....	Jones, H. C.....	Chadron.....	Pump.....	Irrig.....	.51	5	34	57	Dawes.....	Jan.	10	1947		4021
White River, Ravine, Trib. to	Wright, Floyd.....	Whitney.....	Wright Reservoir.....	Storage...	†18AF	10	32	51	Dawes.....	Apr.	8	1946		3889
Whitney Reservoir	Whitney Irrig. District..	Whitney.....	Whitney Pipe Line.....	Supple.I...	A-1625	4	32	51	Dawes.....	Apr.	28	1921		1787
						34	33	51	Dawes.....	Apr.	28	1921		1787
						35	33	51	Dawes.....	Apr.	28	1921		1787

† Reservoir capacity alleged by applicant.
Supple. I. Denotes storage water in addition to direct flow.

REPORT OF THE STATE ENGINEER

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Andrews Res....	Andrews, Agnes.....	Harrison.....	Andrews Canal.....	Stor-only..		5	32	55	Sioux.....	Mar.	26	1935		2558
Antelope Creek..	Jordan, Allen.....	Montrose.....	Jordan Reservoir.....	Storage...	†776AF	9	34	55	Sioux.....	Aug.	23	1940		3239
Antelope Creek,	Jordan, Allen.....	Montrose.....	Lower Jordan Reservoir.	Storage...	†137AF	16	34	55	Sioux.....	Aug.	24	1940		3239
Ravine, Trib. to										Feb.	28	1941		3405
Antelope, North..	Story, Amy E., et al....	Harrison.....	Story Canal.....	Irrig.....	2.00	8	34	56	Sioux.....	Nov.	11	1895		168
Antelope, North..	Story, Amy E., et al....	Harrison.....	Story Canal.....	Irrig.....	5.71	9	34	56	Sioux.....	Mar.	26	1918		1509
Antelope, South..	Schnurr, Wm. E. and Clarence A.	Harrison.....	Turner Canal.....	Irrig.....	1.14	26	34	57	Sioux.....	Oct.	31	1894	537	
Antelope, South..	Seaman, Samuel R.....	Harrison.....	Ellis Canal.....	Irrig.....	.29	9	33	57	Sioux.....	May	17	1896		338
Antelope, South..	Schnurr, Wm. E. and Clarence A.	Harrison.....	Turner Reservoir.....	Storage...	†250AF	26	34	57	Sioux.....	July	3	1922		1675
Antelope, South,	Schnurr, Wm. E., et al..	Harrison.....	Schnurr Reservoir No. 2.	Storage...	†122.5AF	23	34	57	Sioux.....	Oct.	10	1944		3775
Ravine, Trib. to														
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 Cattle Co..	Harrison.....	Wickersham Canal.....	Irrig.....	3.00	31	33	54	Sioux.....	Feb.	28	1903		701
Boggy Creek.....	Wickersham Cattle Co..	Harrison.....	Wickersham Reservoir..	Storage...	†250AF	31	33	54	Sioux.....	Dec.	24	1930		2182
Boggy Creek.....	Wickersham Cattle Co..	Harrison.....	Wickersham Canal.....	Irrig.....	.96	31	33	54	Sioux.....	May	15	1931		2204
Boggy Cr., Mid..	Bannon, J. F.....	Harrison.....	Bannon Canal.....	Irrig.....	.06	7	32	54	Sioux.....	July	1	1886	560	
Boggy Cr., Mid..	Marten, Wm.....	Harrison.....	Marten Canal.....	Irrig.....	.36	18	32	54	Sioux.....	May	19	1896		342
Boggy Cr., West.	Serres, E. J.....	Harrison.....	Hill Canal.....	Irrig.....	.86	11	32	55	Sioux.....	Jan.	20	1908		886
Caladonia Res....	Mackey, Andrew R.....	Boulder, Colo.	Caladonia Canal.....	Stor-only..		13	33	57	Sioux.....	July	20	1922		1681
Caladonia Res....	Mackey, Andrew R.....	Boulder, Colo.	Caladonia Canal.....	Stor-only..		13	33	57	Sioux.....	July	20	1922		1683

Stor-only. Land does not have a direct flow appropriation.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			No. No.	No. No.	
						S	T	R	County	Mo.	D			Yr.
Caladonia Res....	Mackey, Andrew R.....	Boulder, Colo.	Caladonia Canal.....	Supple. I..	D-543	13	33	57	Sioux.....	July	20	1922		1683
Canyons	Konrath, James.....	Harrison.....	Konrath Canal.....	Irrig.....	1.43	17	34	54	Sioux.....	Dec.	28	1905		803
Cedar Creek.....	Parsons, Con.....	Harrison.....	Schilt Cedar Cr. 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	
Cedar Creek.....	Grote, Wm.....	Harrison.....	Grote Reservoir.....	Storage...	†19AF	3	32	56	Sioux.....	June	4	1940		3172
Cherry Creek....	Ruffing, M.....	Harrison.....	Cherry Creek Canal.....	Irrig.....	.03	29	33	54	Sioux.....	May	1	1893	549	
Cherry Creek....	Serres, Harry.....	Harrison.....	Merlo Reservoir.....	Storage...	†15AF	29	33	54	Sioux.....	May	21	1946		3009
Crystal Lake Res.	Hall, F. M.....	Harrison.....	Crystal Lake Canal.....	Stor-only..		6	32	55	Sioux.....	Aug.	22	1927		2286
Dout Reservoir 1.	Dout, Clarence.....	Harrison.....	Dout Canal No. 1.....	Stor-only..		7	33	56	Sioux.....	Apr.	2	1928		2000
Dout Reservoir 2.	Dout, Clarence.....	Harrison.....	Dout Canal No. 2.....	Stor-only..		7	33	56	Sioux.....	Apr.	2	1928		2002
Dry Gulch.....	Child, L. M.....	Harrison.....	Child Canal.....	Irrig.....	.57	28	34	56	Sioux.....	Aug.	14	1914		1376
Eberspacher Res.	Eberspacher, Frank.....	Harrison.....	Eberspacher Canal.....	Stor-only..		28	33	54	Sioux.....	Sept.	10	1945		3896
Geike Creek.....	Geike, Henry.....	Harrison.....	Geike Canal.....	Irrig.....	.43	19	33	56	Sioux.....	Nov.	4	1927		1967
Geiser Reservoir.	Geiser, John.....	Ardmore, S.D.	Geiser Canal.....	Stor-only..		34	55	54	Sioux.....	Oct.	4	1940		3439
Grote Reservoir.	Grote, William.....	Harrison.....	Grote Canal.....	Stor-only..		3	32	56	Sioux.....	June	4	1940		3450
Grote Reservoir.	Grote, Wm.....	Harrison.....	Grote Canal.....	Supple. I..	D-976	3	32	56	Sioux.....	June	4	1940		3451
Haas Reservoir..	Haas, Dominic.....	Harrison.....	Haas Canal.....	Stor-only..		6	32	54	Sioux.....	Oct.	20	1944		3851
Hat Creek.....	Thayer, Chas. L.....	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, Chas. L.....	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 Flood Canal.....	Irrig.....	6.00	14	33	55	Sioux.....	Oct.	22	1912		1236
Hat Creek.....	Zerbe, Harry T.....	Harrison.....	Zerbe Reservoir.....	Storage...	†25AF	35	33	55	Sioux.....	Mar.	25	1915		1407
Hat Creek.....	Wasserburger, Harry and Martin	Montrose.....	Pump.....	Irrig.....	.66	24	34	55	Sioux.....	Oct.	11	1940		3291
Hat Creek.....	Semroska, Barbara.....	Montrose.....	Semroska Canal.....	Irrig.....	.43	5	34	54	Sioux.....	July	2	1946		3922
Hat Creek, Ravine, Trib. to	Wasserburger, Jacob.....	Montrose.....	Wasserburger Reservoir.....	Storage...	†45AF	29	34	54	Sioux.....	May	6	1940		3149
Hat Creek, Ravine, Trib. to	Zerbe, Frank.....	Harrison.....	Zerbe Reservoir.....	Storage...	†22AF	4	32	55	Sioux.....	July	6	1940		3196
Hat Creek, Ravine, Trib. to	Geiser, John.....	Ardmore, S.D.	Geiser Reservoir.....	Storage...	†28AF	34	35	54	Sioux.....	Oct.	4	1940		3279
Hat Creek, Ravine, Trib. to	Vyzourek, Emil W.....	Ardmore, S.D.	Vyzourek Res. No. 2.....	Storage...	†7AF	28	35	54	Sioux.....	Oct.	7	1940		3281
Hat Creek, Ravine, Trib. to	Vyzourek, Emil W.....	Ardmore, S.D.	Vyzourek Res. No. 3.....	Storage...	†4AF	27	35	54	Sioux.....	Dec.	6	1940		3343
Hat Creek, Ravine, Trib. to	Serres, E. J.....	Harrison.....	Serres Reservoir No. 1.....	Storage...	†27AF	30	33	54	Sioux.....	June	18	1945		3843
Hat Creek, Ravine, Trib. to	Serres, Harry.....	Harrison.....	Serres Reservoir No. 2.....	Storage...	†54AF	29	33	54	Sioux.....	June	18	1945		3844
Horse Creek.....	Haas, Dominic.....	Harrison.....	Haas Reservoir.....	Storage...	†28AF	5	32	54	Sioux.....	Oct.	30	1944		3779
Indian Creek.....	Meler, August.....	Ardmore, S.D.	Meler Canal.....	Irrig.....	.69	24	35	55	Sioux.....	Nov.	14	1946		4004
Indian Creek, Ravine, Trib. to	Wallace, Merritt C.....	Harrison.....	Wallace Reservoir.....	Storage...	†39AF	29	35	56	Sioux.....	Sept.	16	1946		3962
Indian Creek, Ravine, Trib. to	Mader, Harry I.....	Ardmore, S.D.	Mader Reservoir No. 1.....	Storage...	†148AF	21	35	55	Sioux.....	Oct.	15	1946		3983

Supple. I. Denotes storage water in addition to direct flow.

† Reservoir capacity alleged by applicant.

Stor-only. Land does not have a direct flow appropriation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Jim Creek.....	Dout, Clarence H.....	Harrison.....	Dout Brothers Canal.....	Irrig.....	.86	7	33	56	Sioux.....	May	15	1889	981	
Jim Creek.....	Mackey, Andrew R.....	Boulder, Colo.....	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.....	Mackey, Andrew R.....	Boulder, Colo.....	Slattery Canal.....	Irrig.....	.29	13	33	57	Sioux.....	May	31	1891	543	
Jim Creek.....	Mackey, Andrew R.....	Boulder, Colo.....	Caladonia Reservoir.....	Storage...	†42AF	13	33	57	Sioux.....	July	20	1922		1680
Jim Creek.....	Mackey, Andrew R.....	Boulder, Colo.....	High Line Canal.....	Irrig.....	.34	13	33	57	Sioux.....	July	20	1922		1682
Jim Creek and No. Jim Creek	Dout, Clarence.....	Harrison.....	Dout Reservoir No. 1.....	Storage...	†145AF	7	33	56	Sioux.....	Apr.	2	1928		1999
Jim Creek.....	Dout, Clarence.....	Harrison.....	Dout Reservoir No. 2.....	Storage...	†16AF	7	33	56	Sioux.....	Apr.	2	1928		2001
Jim Creek.....	Staudenmaier, Charles...	Harrison.....	Jim Creek Canal.....	Irrig.....	.27	15	33	54	Sioux.....	May	17	1945		3834
Jim Creek, Ravine, Trib. to	Snyder, John A.....	Harrison.....	Snyder Reservoir.....	Storage...	†45AF	17	33	56	Sioux.....	Dec.	23	1940		3358
Jim Creek, East..	Wasserburger, J.....	Montrose.....	Wasserburger Canal.....	Irrig.....	2.29	29	34	54	Sioux.....	Oct.	13	1900		581
Jim Creek, East..	Staudenmaier, Charles...	Harrison.....	Staudenmaier Canal.....	Irrig.....	.56	23	33	54	Sioux.....	July	26	1945		3848
Jim Creek, East, Trib. to	Coffee, S. B.....	Harrison.....	Homestead Canal.....	Irrig.....	.22	22	33	54	Sioux.....	May	31	1890	984	
Jim Creek, East, Trib. to	Hunter, H. C.....	Orella.....	Hunter Canal.....	Irrig.....	.03	26	33	54	Sioux.....	May	12	1898		451
Jim Creek, East, Ravine, Trib. to	Eberspecher, Frank.....	Harrison.....	Eberspecher Reservoir....	Storage...	†16AF	28	33	54	Sioux.....	Sept.	10	1945		3853
Jordan Draw.....	Jordan, Dan.....	Harrison.....	Dan Jordan Reservoir....	Storage...	†50AF	32	33	55	Sioux.....	Feb.	20	1929		2071
Jordan, C. Res...	Dout, Clarence H.....	Harrison.....	Cornellious Jordan Canal..	Supple. I..	A-841	13	33	56	Sioux.....	Nov.	12	1906		841
Jordan, C. Res...	Dout, Clarence H.....	Harrison.....	Cornellious Jordan Canal..	Supple. I..	A-841	13	33	56	Sioux.....	Jan.	14	1915		1469
Jordan, C. Res...	Dout, Clarence H.....	Harrison.....	Kite Canal.....	Supple. I..	A-1375	13	33	56	Sioux.....	Jan.	14	1915		1470
Jordan, D. Res...	Jordan, Dan.....	Harrison.....	Dan Jordan Canal.....	Stor-only..		32	33	56	Sioux.....	Feb.	20	1929		2072
Jordan A., Res...	Jordan, Allen.....	Montrose.....	Jordan Canal.....	Stor-only..		9	34	55	Sioux.....	Aug.	23	1940		3446

Jordan, Allen (Lower Res.)	Jordan, Allen	Montrose	Lower Jordan Canal	Stor-only	16	34	55	Sioux	Feb.	28	1941	3446	
Lickett Creek	Coffee, S. B.	Harrison	Lickett Canal	Irrig.		27	33	54	Sioux			1005*	
Lickett Creek	Coffee, S. B.	Harrison	Lickett Canal	Irrig.	1.43	27	33	54	Sioux	Mar.	21	1900	549
Little Red Creek	Grimm, Wm. O.	Harrison	Zerbst Canal	Irrig.	.90	34	33	56	Sioux	Apr.	3	1928	2003
Long Branch	Turnbull, S. C.	Ardmore, S.D.	O'Connell Canal	Irrig.	.20	22	35	54	Sioux	Nov.	10	1900	587
Long Branch	Ebert, L. J.	Ardmore, S.D.	Ebert Canal	Irrig.	.14	19	35	53	Sioux	Aug.	22	1901	635
Mader Reservoir	Mader, Harry I.	Ardmore, S.D.	Mader Canal	Irrig.		21	35	55	Sioux	Oct.	15	1946	4236
Merlo Reservoir	Serres, Harry J.	Harrison	Merlo Canal No. 1	Irrig.		29	33	54	Sioux	May	21	1946	4087
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, Wm.	Harrison	Noreisch Canal	Irrig.	.04	33	33	56	Sioux	July	19	1895	83
Monroe Creek	Dout, Clarence H.	Harrison	Cornelious Jordan Canal	Irrig.	2.20	13	33	56	Sioux	Nov.	12	1906	841
Monroe Creek	Dout, Clarence H.	Harrison	Cornelious Jordan Res.	Storage	†271AF	13	33	56	Sioux	Nov.	12	1906	841
Monroe Creek	Dout, Clarence H.	Harrison	Kite Canal	Irrig.	2.00	13	33	56	Sioux	July	30	1914	1375
Monroe Creek	Dout, Clarence H.	Harrison	Cornelious Jordan Canal	Storage	†400AF	13	33	56	Sioux	Jan.	14	1915	1399
Monroe Creek	Wasserburger, Harry A. and Martin L.	Montrose	Richard Jordan Canal	Irrig.	1.67	22	33	56	Sioux	Sept.	19	1928	2032
Monroe Creek	Parsons, Bruce	Harrison	Keel Canal	Irrig.	.02	5	32	56	Sioux	Aug.	20	1931	2228
Monroe Creek	Hebner, Fred W., et al.	Harrison	Monroe Reservoir	Fish	†3AF	8	32	56	Sioux	Jan.	16	1933	2297
Monroe Creek	Knori, Samuel	Harrison	Big Monroe Canal	Irrig.	2.10	33	33	56	Sioux	Apr.	16	1934	2372
Monroe Creek, Ravine, Trib. to	Parsons, Con.	Harrison	Parsons Reservoir	Storage		27	33	56	Sioux	May	21	1946	3908*
Plunkett Reservoir	Plunkett, Thos.	Harrison	Plunkett Canal	Stor-only		25	33	56	Sioux	Sept.	18	1928	2070
Prairie Dog (or Little Red) Cr.	Parsons, Con.	Harrison	Schilt-Prairie Dog Canal	Irrig.	1.14	35	33	56	Sioux	May	31	1886	508

† Reservoir capacity alleged by applicant.
Stor-only. Land does not have a direct flow appropriation.
Supple. I. Denotes storage water in addition to direct flow.

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional 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 (or Little Red) Cr.	Plunkett, Thomas.....	Harrison.....	Zerbst Canal.....	Irrig.....	.14	25	33	56	Sioux.....	May	1	1893	551	
Prairie Dog (or Little Red) Cr.	Plunkett, Thos.....	Harrison.....	Plunkett Reservoir.....	Storage...	+110AF	25	33	56	Sioux.....	Sept.	18	1928		2031
Prairie Dog (or Little Red) Cr.	Plunkett, Thomas.....	Harrison.....	Plunkett Canal.....	Irrig.....	1.34	25	33	56	Sioux.....	June	24	1944		3737
Prairie Dog (or Little Red) Cr.	Plunkett, Thomas.....	Harrison.....	Plunkett Canal.....	Irrig.....	.36	25	33	56	Sioux.....	June	14	1945		3842
Schaefer Res. Nos. 1 and 2	Schaefer Cattle Co.....	Harrison.....	Leonard Canals 1 and 2.	Stor-only..		5	32	55	Sioux.....	Feb.	27	1933		3557
Schnurr Reservoir	Schnurr, Wm. E. & C. A.	Harrison.....	Schnurr Canal.....	Stor-only..		13	34	57	Sioux.....	Oct.	10	1944		3871
Serres Res. No. 1	Serres, E. J.....	Harrison.....	Serres Canal No. 1.....	Stor-only..		30	33	54	Sioux.....	June	18	1945		3969
Serres Res. No. 2	Serres, E. J.....	Harrison.....	Serres Canal No. 2.....	Stor-only..		29	33	54	Sioux.....	June	18	1945		3970
Shepherd Res....	Shepherd Cattle Co.....	Harrison.....	Shepherd Reservoir Canal	Supple.I..	A-1965	36	34	57	Sioux.....	Jan.	29	1931		3795
Snyder Reservoir.	Snyder, John A.....	Harrison.....	Snyder Canal.....	Stor-only..		32	33	55	Sioux.....	Dec.	23	1940		3445
Sow Belly Creek.	Schaefer Cattle Co.....	Harrison.....	Old Sow Belly Canal...	Irrig.....	3.00	7	32	55	Sioux.....	June	1	1887	533	
Sow Belly Creek.	Zerbe, Frank.....	Harrison.....	Montgomery Canal.....	Irrig.....	1.00	21	33	55	Sioux.....	Dec.	1	1890	559	
Sow Belly Creek.	Jordan, Sarah, Estate...	Harrison.....	Jordan Canal.....	Irrig.....	.43	21	33	55	Sioux.....	June	1	1895	556	
Sow Belly Creek.	Jordan, Sarah, Estate...	Harrison.....	Jordan Canal.....	Irrig.....	.50	21	33	55	Sioux.....	May	11	1896		424
Sow Belly Creek.	Nutto, F.....	Harrison.....	Nutto Canal.....	Irrig.....	.43	24	32	56	Sioux.....	Sept.	4	1897		404
Sow Belly Creek.	Carroll, M. J.....	Harrison.....	Carroll Canal.....	Irrig.....	.14	7	32	55	Sioux.....	July	12	1899		516
Sow Belly Creek.	Zimmerman, Cleve G. and Emery J.	Harrison.....	Zimmerman Canal.....	Irrig.....	.57	34	33	55	Sioux.....	Jan.	11	1900		532
Sow Belly Creek.	Jordan, Sarah, Estate...	Harrison.....	Jordan Canal.....	Irrig.....	.14	21	33	55	Sioux.....	May	26	1902		668

REPORT OF THE STATE ENGINEER

Sow Belly Creek.	O'Connell, M. J.....	Montrose.....	O'Connell Canal.....	Irrig.....	10.00	9 33 55	Sioux.....	May	5 1913	1288
Sow Belly Creek.	Schaefer Cattle Co.....	Harrison.....	Old Sow Belly Canal.....	Storage...	†150AF	7 32 55	Sioux.....	Feb.	27 1933	2306
Sow Belly Creek.	Schaefer Cattle Co.....	Harrison.....	New Sow Belly Canal...	Storage...	†150AF	8 32 55	Sioux.....	Feb.	27 1933	2306R
Sow Belly Creek.	Andrews, Agnes.....	Harrison.....	Andrews Canal.....	Storage...	†24AF	5 32 55	Sioux.....	Mar.	26 1935	2530
Sow Belly Creek, Sprgs., Trib. to	Lundy, Effie.....	Harrison.....	Lundy Reservoir.....	Storage...	†3AF	24 32 56	Sioux.....	Apr.	17 1946	3894
Spring Creek.....	Hall, W. S. and F. M...	Harrison.....	Hall Spring Canal.....	Irrig.....	.57	6 32 55	Sioux.....	Mar.	26 1889	550
Spring Creek.....	Schaefer Cattle Co.....	Harrison.....	Spring Creek Canal.....	Irrig.....	.29	7 32 55	Sioux.....	June	1 1893	532
Spring Creek.....	Hall, F. M.....	Harrison.....	Crystal Lake Reservoir...	Storage...	†40AF	6 32 55	Sioux.....	Aug.	22 1927	1954
Spring Creek.....	Schaefer Cattle Co.....	Harrison.....	Spring Creek Reservoir...	Storage...	†66AF	12 32 56	Sioux.....	Oct.	13 1939	2985
Spring Creek Res.	Schaefer Cattle Co.....	Harrison.....	Spring Creek Canal.....	Stor-only..		7 32 55	Sioux.....	Oct.	13 1939	3310
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.....	Thomas, Ira.....	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 Creek, So.	Shepherd Cattle Co.....	Harrison.....	Shepherd Reservoir.....	Storage...	†80AF	2 33 57	Sioux.....	Jan.	29 1931	2189
Turner Reservoir.	Schnurr, Wm. E. and Clarence A.	Harrison.....	Turner Canal.....	Supple.I..	D-537	26 34 57	Sioux.....	July	3 1922	1676
Turner Reservoir.	Schnurr, Wm. E. and Clarence A.	Harrison.....	Turner Canal.....	Stor-only..		26 34 57	Sioux.....	July	3 1922	1677
Vyzourek Reser- voir No. 2	Vyzourek, Emil W.....	Ardmore, S. D.	Emil Canal.....	Stor-only..		27 35 54	Sioux.....	Oct.	7 1940	3457
Vyzourek Reser- voir No. 3	Vyzourek, Emil W.....	Ardmore, S. D.	Vyzourek Canal.....	Stor-only..		27 35 54	Sioux.....	Dec.	6 1940	3458
Wallace Reservoir	Wallace, Merritt C.....	Harrison.....	Wallace Canal.....	Irrig.....		29 35 56	Sioux.....	Sept.	16 1946	4036
Warbonnet Creek.	Coffee, John T.....	Harrison.....	Warbonnet Canal.....	Irrig.....	3.63	21 33 56	Sioux.....	July	31 1880	548
Warbonnet Creek.	Mackey, Andrew R.....	Boulder, Colo.	Nolan Canal No. 1.....	Irrig.....	.01	23 33 57	Sioux.....	Mar.	15 1887	957

† Reservoir capacity alleged by applicant.
Stor-only. Land does not have a direct flow appropriation.
Supple. I. Denotes storage water in addition to direct flow.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Warbonnet Creek.	Mackey, Andrew R.....	Boulder, Colo.	Nolan Canal No. 2.....	Irrig.....	.29	23	33	57	Sioux.....	May	1	1888	959	
Warbonnet Creek.	Coffee, John T.....	Harrison.....	Dout Canal.....	Irrig.....	.29	30	33	56	Sioux.....	Dec.	31	1891	539b	
Warbonnet Creek.	Coffee, John T.....	Harrison.....	Warbonnet Canal No. 2.	Irrig.....	1.50	20	33	56	Sioux.....	Mar.	11	1908		892
Warbonnet Creek.	Slattery L. and C. Co...	Harrison.....	Zerbst Canal No. 2.....	Irrig.....	.17	25	33	57	Sioux.....	Mar.	6	1915		1404
Warbonnet Creek.	Wasserberger, Gertrude..	Ardmore, S. D.	O'Connell Canal.....	Irrig.....	.35	17	33	55	Sioux.....	June	20	1932		2274
Warbonnet Creek, Branch of	Slattery L. and C. Co...	Harrison.....	Zerbst Canal No. 1.....	Irrig.....	.03	26	33	57	Sioux.....	Mar.	6	1915		1405
Warbonnet Creek, North Branch	Coffee, John T.....	Harrison.....	Kay Canal.....	Irrig.....	.14	26	33	57	Sioux.....	May	1	1887	958	
Warbonnet Creek, North Branch	Coffee, John T.....	Harrison.....	Dout Canal.....	Irrig.....	.71	30	33	56	Sioux.....	May	31	1889	539a	
Warbonnet Creek, Spr. Br., Trib. to	Coffee, John T.....	Harrison.....	Biehle Canal.....	Irrig.....	.23	32	33	56	Sioux.....	Apr.	1	1891	538	
Warbonnet Creek, Spr. Br., Trib. to	Coffee, John T.....	Harrison.....	Garton Canal.....	Irrig.....	1.43	31	33	56	Sioux.....	Oct.	16	1893	503	
Wasserburger Reservoir	Wasserburger, Jacob....	Montrose.....	Wasserburger Canal.....	Supple. I..	A-581	29	34	54	Sioux.....	May	6	1940		3581
Wasserburger Reservoir	Wasserburger, Jacob....	Montrose.....	Wasserburger Canal.....	Stor.-only.		29	34	54	Sioux.....	May	6	1940		3581
Whitehead Creek.	U. S. of America and Geiser, John	Washington Ardmore, S. D.	Geiser Canal.....	Irrig.....	1.24	4	34	54	Sioux.....	Mar.	13	1941		3414
Whitehead Creek, Ravine, Trib. to	Raben, Ellen M.....	Crawford.....	Raben Reservoir.....	Storage...	†15AF	22	34	54	Sioux.....	Feb.	19	1942		3553
Whitehead Creek, Spg. Br., Trib. to	Howard, Mrs. Margaret.	Orella.....	Harrison Canal.....	Irrig.....	.06	13	33	54	Sioux.....	May	30	1888	547	

Wickersham Res..	Wickersham Cattle Co...	Harrison.....	Wickersham Canal.....	Stor-Only..	30	33	54	Sioux.....	Dec.	24	1930	2203
Zerbe Reservoir..	Zerbe, Frank.....	Harrison.....	Zerbe Canal.....	Stor-Only..	4	32	55	Sioux.....	July	6	1940	3422

Supple. I. Denotes storage water in addition to direct flow.
 Stor-only. Land does not have a direct flow appropriation.
 † Reservoir capacity alleged by applicant.

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Aowa Creek.....	Iverson, E. C.....	Ponca.....	Pump.....	Irrig.....	.34	23	30	6E	Dixon.....	Aug.	5	1946		3938
Bazille Creek....	Jirous, Frank, Estate....	Creighton....	Creighton Mill Race.....	Power.....		21	29	5	Knox.....				1002*	
Bazille Creek....	Moss and Buckler.....	Battle Creek..	Creighton Mills.....	Power.....	30.00	21	29	5	Knox.....	Sept.	24	1908		914
Bazille Creek....	Benedict, Guy.....	Creighton....	Benedict Water Wheel....	Irrig.....	.13	28	29	5	Knox.....	Apr.	17	1931		2198
Bazille Creek....	McGill, Wm. R.....	Center.....	Pump.....	Irrig.....	1.03	27	31	5	Knox.....	Oct.	1	1931		2242
Bazille Creek....	Dalton, Chas. S.....	Niobrara.....	Pump.....	Irrig.....	.96	10	31	5	Knox.....	Aug.	17	1936		2616
Bazille Creek....	Huigens and Norwood....	Creighton....	Pump.....	Irrig.....	.15	21	29	5	Knox.....	Feb.	5	1937		2693
Bazille Creek....	Lutt, Elmer F.....	Niobrara.....	Pump.....	Irrig.....	.31	22	31	5	Knox.....	Oct.	13	1939		2984
Bazille Creek....	Condon, Helen F., et al.	Creighton....	Pump.....	Irrig.....	1.11	34	29	5	Knox.....	Apr.	8	1948		4242
Bazille Creek....	Ebel, Victor.....	Creighton....	Pump.....	Irrig.....	.09	8	28	5	Antelope....	May	24	1948		4271
Bazille Cr., Little	York, Elmer.....	Center.....	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.....	Pump.....	Irrig.....	1.00	11	32	2E	Cedar.....	Dec.	19	1936		2673
Bow Creek.....	Elliott, Robert B.....	Hartington....	Pump.....	Irrig.....	.26	13	30	1	Cedar.....	Oct.	9	1946		3977
Bow Creek.....	Bennett, Evelyn J.....	Omaha.....	Pump.....	Irrig.....	.33	11	31	2E	Cedar.....	July	30	1947		4089
Bow Creek.....	Tigges, Charles.....	Fordyce.....	Pump.....	Irrig.....	.36	14	31	2E	Cedar.....	Feb.	6	1948		4203
Bow Creek.....	Heimes, William.....	Hartington....	Pump.....	Irrig.....	.31	22	31	2E	Cedar.....	Mar.	16	1948		4234
Bow Creek.....	Leise, Otto.....	Crofton.....	Pump.....	Irrig.....		29	31	2E	Cedar.....	July	6	1948		4302
Bow Creek.....	Kathol, Lorenz.....	Hartington....	Pump.....	Irrig.....		11	30	1E	Cedar.....	July	21	1948		4309
Bow Creek, W.....	Eickhoff, Frank.....	Fordyce.....	Pump.....	Irrig.....	.45	1	31	1	Cedar.....	Aug.	22	1941		3489
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 Company..	South Sioux City	Crystal Lake Dam.....	Ice.....	15.00	28	29	8E	Dakota.....	Apr.	12	1923		1714
Norwegian Bow Creek	Arens, F. H.....	Hartington....	Pump.....	Irrig.....	.34	20	31	1E	Cedar.....	June	17	1938		2877

REPORT OF THE STATE ENGINEER

Papillion Cr., W.	Borman, Herman.....	Papillion.....	Pump	Irrig.....	.82	17	14	12E	Sarpy.....	July	24	1936	2594
Papillion Cr., W.	Trumble, Harland.....	Papillion.....	Pump	Irrig.....	.51	21	14	12E	Sarpy.....	Nov.	19	1940	3331
Papillion, Big, North Fork	Krska, J. C.....	So. Omaha.....	Pump	Irrig.....	1.53	19	14	13E	Sarpy.....	Nov.	10	1936	2657
Perrin Creek.....	Bartels, Lester.....	Laurel.....	Pump	Irrig.....	.66	30	29	3E	Cedar.....	May	3	1937	2738
Pearl Creek.....	Christensen, Raymond...	Hartington.....	Pump	Irrig.....	.16	34	30	1E	Cedar.....	Feb.	24	1948	4212
South Creek.....	Stark, Frank.....	Ponca.....	Pump	Irrig.....	.69	28	30	6E	Dixon.....	Feb.	26	1942	3556
South Creek.....	Lund, Jay E.....	Allen.....	Pump	Irrig.....	.11	15	29	5E	Dixon.....	July	25	1946	3931
South Creek.....	Lund, Jay E.....	Allen.....	Pump	Irrig.....	.04	22	29	5E	Dixon.....	Dec.	26	1946	4014
South Creek.....	Lahrs, Henry W.....	Allen.....	Pump	Irrig.....	.20	28	29	5E	Dixon.....	Mar.	29	1948	4237
South Creek.....	Refshauge, E. E.....	Lincoln.....	Pump	Irrig.....		21	29	5E	Dixon.....	Apr.	1	1948	4239
Spring Creek.....	Stochl, Chas. H.....	Creighton.....	Pump	Irrig.....	.03	21	29	5	Knox.....	Oct.	25	1935	2564
Springs.....	Nye, Ellen.....	Plainview.....	Nye Reservoir.....	Storage...	†15A	26	28	5	Antelope....	Aug.	31	1936	2631
Springs.....	Village of Crofton.....	Crofton.....	Crofton Water Supply...	Dom.....	.25	26	32	2	Knox.....	Oct.	29	1930	2169

* Denotes claim not adjudicated.

† Reservoir capacity alleged by applicant.

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OPTIONAL DIVERSIONS

RECORD OF OPTIONAL DIVERSION—DIVISION 1-A

Optional Appropriation Number	Optional Source	Optional Diversion		Optional Diversion Carrier	Original Appropriation Number	Original Source	Original Diversion		Filing Date for Optional Diversion Permit
			S - T - R					S - T - R	
A-1290	Akers or Nelson Draw..		12-23-57	Nelson Draw Canal..	D- 920	North Platte River...	NW¼ NW¼	27-23-57	May 21, 1913
P- 189*	Alliance Feeder Drain...	NW¼ SE¼	18-22-53	Tri-State Canal.....	D- 918	North Platte River...	SW¼ SE¼	3-23-58	Mar. 11, 1935
A-2248	Anderson Seep.....	NW¼ SE¼	26-20-51	Gordon Canal.....	D- 858	North Platte River...	SE¼ SW¼	18-20-51	Nov. 7, 1941
A-1450	Atkins Drain.....	SW¼ SW¼	15-19-40	Atkins Canal.....	D- 828	North Platte River...	SE¼ SW¼	18-20-51	Mar. 27, 1916
A-1776	Bayard Sugar Fety. Dr..	SE¼ NE¼	5-20-52	Alliance Canal.....	D- 874	North Platte River...	NW¼ SW¼	5-20-52	Aug. 13, 1925
A-1495	Buffalo Creek.....	NW¼ SE¼	22-10-21	Savins Pump.....	D- 622	Platte River.....	N½ NW¼	18-10-23	Aug. 17, 1917
A-1648	Buffalo Creek.....	NW¼ NW¼	21-10-21	Doughty Pump.....	D- 622	Platte River.....	N½ NW¼	18-10-23	Mar. 24, 1922
A-1868	Buffalo Creek.....	W¼	33-10-20	Hodgson Pump.....	D- 622	Platte River.....	N½ NW¼	18-10-23	Oct. 28, 1926
A-2088	Camp Clark Seep.....	NW¼ SW¼	6-20-51	Alliance Canal.....	A- 418	North Platte River...	SW¼ SW¼	16-20-51	June 22, 1929
A-1397	Cedar Creek.....	SW¼ SW¼	23-18-48	Cedar Creek Feeder..	D- 828	North Platte River...	SE¼ SW¼	18-20-51	Jan. 7, 1915
P- 201	Dawson Co. Drainage District No. 1	NW¼ SE¼	1- 9-22	Murray Pump.....	D- 621	Platte River.....	NW¼ NW¼	18-10-23	June 2, 1937
A-2777*	Dawson Co. Drainage District No. 1	SE¼ SW¼	18- 9-20	Beatty Pump.....	A-2083	Strever Creek.....	SE¼ SW¼	18- 9-20	Aug. 24, 1937
A-2129	Dawson Co. Drainage District No. 1	NW¼	14- 9-21	Rosenberg Pump.....	D- 624	Platte River.....	N½ NW¼	18-10-23	Mar. 15, 1930
P- 197	Dawson Co. Drainage District No. 1	SW¼ SW¼	11- 9-21	Sheldon Pump.....	A-2145	Platte River.....	N½ NW¼	18-10-23	May 7, 1937
P- 226	Degraw Drain.....	NW¼ SE¼	14-20-51	Mitchell Pump.....	A- 418	North Platte River...	SW¼ SW¼	16-20-51	Apr. 23, 1940
A-1241	Dry Spotted Tail Creek..	SW¼ NW¼	16-23-56	Hrasky Canal.....	D- 918	North Platte River...	SW¼ SE¼	3-23-58	Nov. 6, 1912
P- 188*	Dry Spotted Tail Creek..	SW¼ SW¼	4-23-56	Tri-State Canal.....	D- 918	North Platte River...	SW¼ SE¼	3-23-58	Mar. 11, 1935
P- 195	Dry Spotted Tail Creek..	SW¼ NW¼	16-23-56	Kellum Pump.....	D- 918	North Platte River...	SW¼ SE¼	3-23-58	Mar. 24, 1937
P- 236	Dry Spotted Tail Creek..	NE¼ NE¼	20-23-56	Dry Spotted Tail Creek Lateral	D- 920	North Platte River...	NW¼ NW¼	27-23-57	Oct. 15, 1940

BUREAU OF IRRIGATION

A-2281	Ground Water.....	SW¼ NW¼	20- 9-20	Beatty Well.....	D- 624	Platte River.....	N½ NW¼	18-10-23	Aug. 29, 1932
A-2513	Ground Water.....	SW¼ SE¼	19- 9-20	Beatty Well.....	D- 624	Platte River.....	N½ NW¼	18-10-23	Feb. 15, 1935
P- 204*	Ground Water.....	NW¼ SE¼	33-10-23	Neil Well.....	D- 627	Platte River.....	NW¼ SW¼	9-10-24	Feb. 18, 1938
A-1473	Hoth Draw.....	N½	28-21-52	O'Holleren Pump.....	D- 918	North Platte River...	SW¼ SE¼	3-23-58	Jan. 26, 1917
A-1744	Kearney Tail Race.....	N½ NW¼	11- 8-16	Peaker Pump.....	D-1023	Platte River.....	SW¼	4- 8-18	May 8, 1924
A-2638	Lincoln Co. Drainage Dist. No. 1, Ditch 1	NW¼ SW¼	26-14-31	Evans Pump.....	D- 662	North Platte River...	NE¼ SE¼	12-14-33	Sept. 14, 1936
A-2694	Lincoln Co. Drainage Dist. No. 1, Ditch 1	SW¼ NE¼	30-14-31	Frame Pump.....	D- 635	North Platte River...	NE¼ SE¼	13-14-34	Feb. 6, 1937
P- 213	Lincoln Co. Drainage Dist. No. 1, Ditch 1	SW¼ NW¼	25-14-32	Suburban Canal.....	D- 662	North Platte River...	NE¼ SE¼	12-14-33	Oct. 15, 1938
A-2459	Lincoln Co. Drainage Dist. No. 1, Ditch 2	NW¼ NE¼	30-14-31	Reimers Pump.....	D- 635	North Platte River...	NE¼ SE¼	13-14-34	Aug. 13, 1934
A-2648	Lincoln Co. Drainage Dist. No. 1, Ditch 2	W½ NW¼	29-14-31	Suburban Canal.....	D- 662	North Platte River...	NE¼ SE¼	12-14-33	Oct. 22, 1936
P- 198	Lincoln Co. Drainage Dist. No. 1, Ditch 2	N½	26-14-31	Evans Pump.....	D- 662	North Platte River...	NE¼ SE¼	12-14-33	May 15, 1937
P- 245	Minatare Drain.....	SW¼ SW¼	3-21-53	Minatare Lateral.....	D- 919	North Platte River...	NW¼ SE¼	32-22-54	Nov. 13, 1941
P- 265	Minatare Drain.....	NW¼ NW¼	10-21-53	Redding Pump.....	D- 919	North Platte River...	NW¼ SE¼	32-22-54	Apr. 13, 1946
A-1742	North Platte River.....	N½ SE¼	4-16-44	Overland-Midland....	D- 800	Blue Creek.....	SW¼ SW¼	28-17-42	Mar. 31, 1924
A-2150	North Platte River.....	NW¼ SE¼	26-22-55	Gering Factory Pump.	A-2054	North Platte River...	NW¼ NW¼	36-22-55	July 24, 1930
A-1431	Nine Mile Draw.....	NW¼ SW¼	10-21-53	Nine Mile Canal.....	D- 925	North Platte River...	NE¼ SW¼	18-21-53	Aug. 19, 1915
P- 185	Paxton Creek.....	SE¼ SE¼	31-15-37	Coyner Canal.....	A- 662b	White Tail Creek....	SE¼ NE¼	26-15-38	Feb. 28, 1935
A-1860	Pedens Lake.....	SE¼ SE¼	12-11-23	Excell Canal.....	D- 645b	Platte River.....	NW¼ SW¼	19-12-26	Sept. 16, 1926
A-1429	Red Willow Creek.....	NW¼ SW¼	6-20-51	Alliance Canal.....	D- 874	North Platte River...	NW¼ SW¼	5-20-52	Aug. 5, 1915
A-1432	Red Willow Creek.....	SE¼ SE¼	12-20-51	Dobson Canal.....	A-1181	North Platte River...	NW¼ SW¼	5-20-52	Sept. 10, 1915
A-2088	Red Willow Creek.....	NE¼ NE¼	9-20-51	Alliance Canal.....	A- 418	North Platte River...	SW¼ SW¼	16-20-51	June 22, 1929

RECORD OF OPTIONAL DIVERSION—DIVISION 1-A—Concluded

Optional Appropriation Number	Optional Source	Optional Diversion		Optional Diversion Carrier	Original Appropriation Number	Original Source	Original Diversion		Filing Date for Optional Diversion Permit
			S - T - R					S - T - R	
P- 262	Red Willow Creek.....	NE ¼ SE ¼	32-21-51	Belden Pump.....	D- 925	North Platte River...	SE ¼ SE ¼	18-21-53	Aug. 24, 1945
A-1176	Sheep Creek.....	NE ¼ NE ¼	17-23-57	Sheep Creek Lateral...	D- 918	North Platte River...	SW ¼ SE ¼	3-23-58	Feb. 26, 1912
A-1398	Sheep Creek.....	NE ¼ NE ¼	17-23-57	Sheep Creek Lateral...	D- 918	North Platte River...	SW ¼ SE ¼	3-23-58	Jan. 12, 1915
P- 191*	Sheep Creek.....	NE ¼ SW ¼	8-23-57	Tri-State Canal.....	D- 918	North Platte River...	SW ¼ SE ¼	3-23-58	Mar. 11, 1935
P- 248*	South Platte River.....	NW ¼	8-13-36	Sutherland Canal.....	A-2350	North Platte River...	SE ¼	2-14-38	July 29, 1943
A-2049	Strever Creek.....	NW ¼ NW ¼	35- 9-20	Jurgenson Pump.....	D- 624	Platte River.....	N ½ NW ¼	18-10-23	Oct. 19, 1928
A-2101	Strever Creek.....	SW ¼ SE ¼	27- 9-20	Wengler Pump.....	A-2039	Platte River.....	N ½ NW ¼	18-10-23	Aug. 27, 1929
A-2502	Taylor Drain.....	SW ¼ NW ¼	3-21-53	Oberlies Canal.....	D- 919	North Platte River...	NW ¼ SE ¼	32-22-54	Dec. 21, 1934
A-2413	Toohy Drain.....	W ½ SW ¼	20-23-56	Fanning Pump.....	D- 920	North Platte River...	NW ¼ NW ¼	27-23-57	June 25, 1934
P- 192*	Tub Springs Feeder.....	SE ¼ SW ¼	27-23-55	Tri-State Canal.....	D- 918	North Platte River...	SW ¼ SE ¼	3-23-58	Mar. 11, 1935
P- 234	Tub Springs.....	SW ¼ SW ¼	33-23-55	Tub Springs Lateral...	D- 920	North Platte River...	NW ¼ NW ¼	27-23-57	Oct. 15, 1940
A-1769	Warner's Seep Lake.....	SE ¼ SW ¼	12-23-57	Warner Canal.....	D- 918	North Platte River...	SW ¼ SE ¼	3-23-58	July 10, 1925
A- 449	Wet Spotted Tail Creek..	SW ¼ SW ¼	10-23-56	Stewart Canal.....	D- 918	North Platte River...	SW ¼ SE ¼	3-23-58	May 2, 1898
P- 190*	Wet Spotted Tail Creek..	NW ¼ SW ¼	10-23-56	Tri-State Canal.....	D- 918	North Platte River...	SW ¼ SE ¼	3-23-58	Mar. 11, 1935
P 235	Wet Spotted Tail Creek..	SW ¼ NW ¼	22-23-56	Wet Spotted Tail Lateral	D- 920	North Platte River...	NW ¼ NW ¼	27-23-57	Oct. 15, 1940
A 1446	Winters Creek.....	SW ¼ NE ¼	19-22-54	Winters Creek Canal..	D- 952	North Platte River...	NW ¼ SE ¼	17-22-55	Feb. 9, 1916
A-2409	Winters Creek.....	NE ¼ SE ¼	8-22-54	Enterprise Canal.....	D- 920	North Platte River...	NW ¼ NW ¼	27-23-57	June 18, 1934
P- 216	Winters Creek Drain....	NW ¼ NE ¼	31-22-54	Gering Factory Pump..	[A-2054 [A-2150	North Platte River...	NW ¼ NW ¼	36-22-55	May 26, 1939
							NW ¼ NW ¼	36-22-55	

RECORD OF OPTIONAL DIVERSION—DIVISION 1-B

Optional Appropriation Number	Optional Source	Optional Diversion		Optional Diversion Carrier	Original Appropriation Number	Original Source	Original Diversion		Filing Date for Optional Diversion Permit
			S-T-R					S-T-R	
A-1523	Canyon No. 10.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$	17- 3-31	Wacker Canal.....	D-10	Frenchman River....	NE $\frac{1}{4}$ NW $\frac{1}{4}$	11- 3-32	Sept. 4, 1918
A-1573	Canyon No. 10.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$	17- 3-31	Crews Canal.....	D-10	Frenchman River....	NE $\frac{1}{4}$ NW $\frac{1}{4}$	11- 3-32	Jan. 21, 1920

RECORD OF OPTIONAL DIVERSION—DIVISION 2-D

A-2078	Spring Creek.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$	7-32-51	Lawrence Pump.....	D-473	Spring Creek.....	NE $\frac{1}{4}$	13-32-52	Apr. 19, 1929
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CLAIMS AND APPLICATIONS CANCELED OR DISMISSED FROM SEPTEMBER 30, 1946 to SEPTEMBER 30, 1948.

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Cancellation or Dismissal			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
DIVISION 1-A														
Buffalo Creek, W.	Hladky, J. W.	Lexington	Hladky Pump	Irrig.		30	12	22	Dawson	Nov.	8	1947		4060
Camp Clark Seep.	Harrington, Blanch	Bridgeport	O'Neal Canal	Irrig.		9	20	51	Morrill	Sept.	27	1948		4228**
Dugout Creek, Lower	Hecht, Tilford M.	Broadwater	Cooper-Hagerty Canal	Irrig.		4	19	48	Morrill	June	1	1948		4136
Lawrence Fork	Schneider, Chas.	Redington	Schneider Stock Pond	Stock		25	19	52	Morrill	Sept.	30	1948		4072
North Platte R.	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	Irrig.	*38.14	3	23	58	Scotts Bluff	Jan.	24	1948	918	
North Platte R.	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	Irrig.	*8.95	3	23	58	Scotts Bluff	Jan.	24	1948		660
Pawnee Creek	Hadley, Orley J.	Brady	Hadley Canal	Irrig.		29	13	27	Lincoln	Dec.	4	1947		4052
Prairie Creek	Adkisson, Oscar E.	Columbus	Adkisson Pump	Irrig.		16	16	2	Platte	Oct.	15	1947		4026
Prairie Creek	Lippincott, Harvey R.	Shelton	Harvey Pump	Irrig.		26	15	6	Merrick	July	12	1948		4156
White Horse Cr., Trib. to	Larson, Leo L.	North Platte	Larson Pump	Irrig.		1	14	31	Lincoln	May	13	1948		4113
DIVISION 1-B														
Beaver Creek	Mosbarger, C. W.	Arapahoe	Mosbarger Pump	Irrig.		14	2	22	Furnas	Oct.	16	1947		4045
Cottonwood, Little	Gardner, Chas. D.	Bloomington	Gardner Pump	Irrig.		6	1	15	Franklin	May	12	1948		4125
Crooked Creek	Gilham, Sarah C.	Red Cloud	Wolfe Pump No. 1	Irrig.		6	1	10	Webster	Nov.	9	1946		3878
Frenchman River	Sheridan, Ellen T.	McCook	Aberdeen Canal	Irrig.	1.57	2	5	38	Chase	Jan.	31	1948		1117
Frenchman River	F. C. Krotter, Estate	Palisade	Krotter Pump	Irrig.		4	5	38	Chase	Dec.	3	1946		3503
Gilham Reservoir	Gilham, Sarah C.	Red Cloud	Wolfe Pump No. 2	Irrig.		31	2	10	Webster	Nov.	9	1946		3880

Medicine Creek...	Maywood Mill Co.....	Maywood.....	Maywood Mills.....	Power.....	11.88	16	8 29	Frontier....	Jan.	31	1948	858
Medicine Creek...	Berck, Burdette C.....	Maywood.....	Nelson Pump.....	Irrig.....	.61	21	8 29	Frontier....	Jan.	31	1948	1865
Medicine Creek...	Pursel, Ori O.....	Curtis.....	Pursel Pump.....	Irrig.....		1	7 28	Frontier....	Sept.	27	1948	4165
Red Willow Creek	Kelley, Chas.	Sumrall, Miss.	Kelley Canal.....	Irrig.....	52.00	36	5 30	Frontier....	Sept.	27	1948	2901
Republican River.	Anderson, Anders	Max.....	Anderson Canal.....	Irrig.....	1.90	1	1 37	Dundy.....	Jan.	31	1948	151
Republican River.	Gupton, L. H.....	Oxford.....	Gupton Pump.....	Irrig.....		21	3 20	Harlan....	Apr.	11	1947	3744
Republican River.	Blank, Harry W.....	Franklin.....	Blank Pump.....	Irrig.....		6	1 14	Franklin...	Dec.	2	1946	3766
Republican River.	Frenchman-Cambridge Irrigation District	McCook.....	Orleans Canal.....	Irrig.....		27	4 25	Furnas....	Feb.	18	1946	3869f**
Republican River.	Myers, H. Leslie.....	Superior.....	Myers Pump.....	Irrig.....		36	1 7	Nuckolls...	Nov.	9	1946	3959**
Republican River.	Grant, Ray.....	Naponee.....	Grant Pump.....	Irrig.....		16	1 16	Franklin...	Nov.	8	1947	4063
Republican River, Ravine, Trib. to	Gilham, Sarah C.....	Red Cloud....	Gilham Reservoir.....	Storage...		31	2 10	Webster....	Nov.	9	1946	3879
Rock Creek.....	Anderson, Hugh L.....	Benkelman...	Phelan Canal.....	Irrig.....	2.43	17	1 39	Dundy.....	Jan.	31	1948	138
Stinking Water Creek	Cannon, Elmer.....	Benkelman...	Cannon Pump.....	Irrig.....		9	5 34	Hayes.....	Nov.	7	1947	3594
Thompson Creek East Branch	Tupper, W. J.....	Riverton.....	Tupper Pump.....	Irrig.....		3	2 13	Franklin...	Oct.	18	1946	3986
DIVISION 1-C												
Blue River, Little	Spady, John.....	Hastings.....	Spady Pump.....	Irrig.....		25	6 10	Adams.....	Oct.	15	1947	4024
Blue River, Little	Korpf, W. W.....	Hebron.....	Korpf Pump.....	Irrig.....		1	2 3	Thayer.....	Sept.	27	1948	4194
DIVISION 1-D												
Beaver Creek ...	Wilcox, Edson A.....	York.....	Wilcox Pump.....	Irrig.....		6	10 2	York.....	Feb.	9	1948	4071
Beaver Creek ...	Marquardt, Caroline.....	Avoca.....	Marquardt Pump.....	Irrig.....		30	10 1	Seward.....	May	12	1948	4123
Blue River, Big..	Pence, B. E.....	Holmesville...	Pence Pump.....	Irrig.....		32	3 7E	Gage.....	May	12	1948	4133
Blue River, Big, W. F.	Griess, John O.....	Stockham.....	Griess Pump.....	Irrig.....		27	9 5	Hamilton...	Nov.	8	1947	4022

CLAIMS AND APPLICATIONS CANCELED OR DISMISSED FROM SEPTEMBER 30, 1946 to SEPTEMBER 30, 1948.

Source	Appropriator or Operator	Post Office	Carrier	Use to which Applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Cancellation or Dismissal			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Blue River, Big, W. F.	Kahle, Adam.....	Dorchester...	Kahle Pump.....	Irrig.....		11	8	3E	Saline.....	Sept.	27	1948		4141
Lincoln Creek....	Slezak, Milo.....	York.....	Slezak Pump.....	Irrig.....		8	11	2	York.....	Apr.	9	1948		4097
Turkey Creek....	Moore, Clarence.....	Wilber.....	Moore Pump.....	Irrig.....		6	6	4E	Saline.....	Oct.	15	1947		4012
DIVISION 2-A														
Calamus River...	Walford, R. B.....	Burwell.....	Walford Pump.....	Irrig.....		25	22	17	Loup.....	May	4	1948		4111
Columbus Drain..	Luchsinger, Ernest.....	Columbus.....	Luchsinger Pump.....	Irrig.....	1.23	9	17	1E	Platte.....	July	9	1947		3165
Dane Creek.....	Ulrich, Ernest.....	Ord.....	Ulrich Pump.....	Irrig.....		21	19	14	Valley.....	Feb.	12	1947		3915
Lost Creek.....	Oberg, Geo. A.....	Schuyler.....	Oberg Pump.....	Irrig.....		21	17	2E	Colfax.....	Dec.	3	1946		3722
Lost Creek.....	Burley, Lovell.....	Columbus.....	Burley Pump.....	Irrig.....		30	17	2E	Colfax.....	Feb.	15	1947		3910
Loup River.....	Cook, Otto.....	Columbus.....	Cook Pump.....	Irrig.....		6	16	4	Nance.....	May	12	1948		4107
Loup R., Middle.	Evans, Elwood.....	Arcadia.....	Middle Loup Canal No. 1	Irrig.....		36	18	17	Custer.....	Oct.	16	1947		4034
Loup River, North	Keown, Clyde.....	Scotia.....	Keown Pump.....	Irrig.....		16	17	12	Greeley.....	Mar.	7	1947		3934
Loup River, North	Mead, Mrs. Hildred.....	St. Paul.....	Mead Pump.....	Irrig.....		16	17	12	Greeley.....	Apr.	11	1947		3956
Loup River, North	Augustyn, Ben.....	Ord.....	Ord-North Canal.....	Irrig.....		22	19	14	Valley.....	Mar.	20	1948		4074
Loup River, North	Cain, Wm. B.....	Scotia.....	Cain Pump.....	Irrig.....		35	17	12	Greeley.....	May	12	1948		4132
Loup R., South..	Christensen, Julia A.....	Brush, Colo..	Christensen Pump.....	Irrig.....		14	15	22	Custer.....	Nov.	19	1946		3858
Loup R., South..	Arrasmith, W. J.....	Grand Island.	Arrasmith Pump.....	Irrig.....		5	12	18	Buffalo.....	Nov.	19	1946		3898
Loup R., South..	Fotchman, Bert E.....	Arnold.....	Fotchman Pump.....	Irrig.....		14	15	22	Custer.....	Oct.	15	1947		4011
Mira Creek.....	Porter, Eugene T.....	Denver, Colo..	Porter Pump.....	Irrig.....		25	18	13	Valley.....	Sept.	27	1948		4189
Mud (Beaver) Cr.	Niedt, Senate.....	Broken Bow..	Niedt Pump.....	Irrig.....		17	16	19	Custer.....	Dec.	2	1946		3259
Mud (Beaver) Cr.	Talbot, V. C.....	Broken Bow..	Talbot Pump.....	Irrig.....		17	16	19	Custer.....	Dec.	3	1946		3374

Mud (Beaver) Cr.	Engelman, A. G.	Litchfield.	Engelman Pump.	Irrig.	20	14	16	Sherman.	June	23	1947	3999	
Mud (Beaver) Cr.	Hansen, Herbert S.	Litchfield.	Hansen Pump.	Irrig.	12	13	16	Sherman.	Nov.	8	1947	4039	
Timber Creek.	Hoffman, F. A.	Belgrade.	Hoffman Pump.	Irrig.	21	17	7	Nance.	Dec.	2	1946	3346	
Turkey Creek.	Runyan, Merle M.	Omaha.	Runyan Reservoir.	Storage.	20	14	11	Howard.	Dec.	4	1947	4056	
DIVISION 2-B													
Logan Creek.	Lincoln Joint Stock Land Bank	Lincoln.	Beckenhauer Pump.	Irrig.	9	24	7E	Cuming.	June	1	1948	2697	
Logan Creek.	Nelson, L. R.	Fremont.	Nelson Pump.	Irrig.	10	20	8E	Dodge.	Apr.	5	1947	3963	
Taylor Creek.	Schmidt, Ernest.	Madison.	Schmidt Pump.	Irrig.	32	22	1	Madison.	Apr.	13	1948	4106	
Willow Creek.	Schulz, Arthur H.	Pierce.	Schultz Pump.	Irrig.	27	26	2	Pierce.	May	16	1947	4073	
DIVISION 2-C													
Antelope Creek.	Thorsen, Niels.	Gordon.	Thorsen Pump.	Irrig.	11	32	41	Sheridan.	May	12	1948	4126	
Drain Ditch.	Smith, Myron A.	Eli.	Smith Canal.	Irrig.	3	34	36	Cherry.	Sept.	27	1948	4075**	
Drain Ditch.	Friman, Laurence J.	Hay Springs.	Rushville Pump.	Irrig.	31	30	45	Sheridan.	Feb.	21	1948	4095**	
Schlagle Creek.	Lovejoy, Walter S.	Valentine.	Lovejoy Power Plant.	Power.	12.00	24	33	28	Cherry.	Dec.	4	1947	4062
Verdigre Creek.	Nelson, Lyle.	Verdigre.	Nelson Pump.	Irrig.	32	31	6	Knox.	Apr.	7	1947	3947	
DIVISION 2-D													
Bordeaux, Big.	Gernhart, C. H.	Chadron.	Gernhart Pump.	Irrig.	14	33	48	Dawes.	July	19	1947	3861	
White River, Ravine, Trib. to	McDerby, Floyd.	Crawford.	McDarby Reservoir.	Storage.	9	31	51	Dawes.	Oct.	15	1947	4013	
DIVISION 2-E													
Monroe Creek.	Parsons, Con	Harrison.	Big Monroe Canal.	Irrig.	33	33	56	Sioux.	Apr.	11	1947	1054* *	
DIVISION 2-F													
South Creek.	Smith, Hulet B.	Allen.	Smith Pump.	Irrig.	15	29	5E	Dixon.	Apr.	13	1948	4098	

**Denotes claim, or application dismissed.

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PUBLIC POWER DISTRICTS

and

PUBLIC IRRIGATION DISTRICTS

**PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 70, ARTICLE 6, REVISED STATUTES, 1943
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.....	Strohl Voting Precinct in Loup County.....	3,603	
*Beaver-Sappa Public Power and Irrigation District	Stamford.....	Emerson, Eldorado, Orleans, Fairfield and Sappa Townships 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 Creek 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 Pre- cinct in Morrill County	30,000	35,000
*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; Timber Creek, Cedar, Council Creek and Fullerton Voting Precincts and City of Fullerton in Nance County	30,800	20,000
The Central Nebraska Public Power and Irrigation District	Hastings.....	Adams, Phelps, Gosper and Kearney Counties.....	205,154	2,000,000

Consumers Public Power District	Columbus.....	All Voting Precincts in State comprised in whole or in part of any incorporated City or Village furnished electrical energy at retail by the District		
*Dismal River Public 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	
*Harvard Public Power and Irrigation District	Harvard.....	Eldorado, Harvard First, Harvard Second and Lynn Voting Precincts in Clay County	20,000	
Loup River Public Power District	Columbus.....	Platte County.....		11,000 Regulating Reservoir
*Merrick County Public Pump Irrigation 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	49,473	
*Nebraska Mid-State Public Power and Irrigation District	Grand Island..	Buffalo, Hall and Merrick Counties.....	500,000	578,000
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	36,302	

*District inactive.

**PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 70, ARTICLE 6, REVISED STATUTES, 1943
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
Omaha Public Power District	Omaha.....	Washington County, exclusive of City of Blair; Douglas County; Sarpy County; Arizona and Summit No. 2 Voting Precincts in Burt County; Logan, Cuming, Everett, Hooper-Hooper, Hooper-Winslow, Nickerson, Maple, Cotterell, Union, North Bend, Platte-Ames, Platte-East and Elkhorn Voting Precincts in Dodge County; Colfax and Rogers Voting Precincts in Colfax County; North Cedar, South Cedar, Morse Bluff, Douglas, Pohoeco, Leshara, Union, Marietta, North Center, South Stocking, Wahoo, Marble, Clear Creek, Green, West Ashland and East Ashland Voting Precincts in Saunders County; Plattsmouth, Plattsmouth City, Eight Mile Grove, Louisville, South Bend, Salt Creek, Greenwood, Elmwood, Center, Mount Pleasant, Nehawka, Avoca, Weeping Water, Weeping Water City, Stove Creek and Tipton Voting Precincts in Cass County; Berlin and North Branch Voting Precincts in Otoe County		
*Panhandle Public Pump Irrigation District	Alliance.....	Boyd, Lake, Box Butte, Wright Running 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...	198,773	200,000

*Republican River Public Power and Irrigation District	Superior.....	Turkey Creek, Farmers, Oak Grove, Bloomington, Franklin, Marion, Washington 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; Corner Voting Precinct (formerly Sargent Voting Precinct No. 2); West Union Voting Precinct and Milburn Voting Precinct in Custer County	15,363	
*United Public Power and Irrigation District	Cambridge.....	Frontier County; Furnas County; Harlan County; Red Willow County, exclusive of City of McCook; Stratton, Pleasant View, Trenton, Grant, Logan, Union, Freedom, Upper, Cornell and Driftwood Voting Precincts in Hitchcock County	13,000	34,000
*White Tail Public Power and Irrigation District	Keystone.....	White Tail Voting Precinct in Keith County.....	7,000	21,000

*District inactive.

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 70, ARTICLE 6, REVISED STATUTES 1943
RURAL ELECTRIFICATION DISTRICTS

Name of District	Headquarters	Municipalities Constituting District
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, exclusive of City of David City; Bohemia, Chester, Elk, Newman, Oak Creek, Mariposa and Douglas Townships in Saunders County
Cedar-Knox County Rural Public Power District.....	Hartington.....	Cedar County; Hill, Herrick, Frankfort, Eastern, Dalphin, Dowling, Lincoln, Columbia, Morton, Peoria, Harrison, Central and Cleveland 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
Cornhusker Rural Public Power District.....	Columbus.....	Boone County, exclusive of City of Albion; Colfax County, exclusive of City of Schuyler; Nance County, exclusive of City of Fullerton and City of Genoa; Platte County, exclusive of city of Columbus
Cuming County Rural Public Power District.....	West Point.....	Cuming County, exclusive of City of Wisner and City of West Point
Custer Public Power District.....	Broken Bow.....	Custer County, exclusive of the cities of Broken Bow, Sargent, Arnold and Ansley
Dawson County Public Power District.....	Lexington.....	Dawson County
Eastern Nebraska Public Power District.....	Syracuse.....	Richardson, Pawnee, Nemaha, Johnson, Cass and Otoe Counties; Mill and Stevens Creek Voting Precincts in Lancaster County; Saunders County, except Oak Creek, Newman, Elk, Chester, Bohemia, Morse Bluff, Douglas and Mariposa Voting Precincts

Gering Valley Rural Public Power District.....	Gering.....	Roubadeaux and Gering Voting Precincts, exclusive of City of Gering in Scotts Bluff County
Howard-Greeley Rural Public Power District.....	St. Paul.....	Howard County, exclusive of City of St. Paul; Spring Creek, Brayton, Fish Creek, Scotia, Logan, O'Connor, Center, Leo Valley, and Freeman Valley Voting Precincts in Greeley County
McCook Public Power District.....	McCook.....	City of McCook in Red Willow County
Madison County Rural Public Power District.....	Battle Creek....	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, Norfolk, exclusive of City of Norfolk, and Madison, exclusive of City of Madison, Voting Precincts in Madison County
Norris Rural Public Power District.....	Beatrice.....	Thayer County, exclusive of City of Hebron; Jefferson County, exclusive of City of Fairbury; Saline County, exclusive of City of Crete and City of Wilber; Gage County, exclusive of City of Beatrice and City of Wymore; Lancaster County, exclusive of Lancaster Voting Precinct and City of Lincoln
North Central Nebraska Rural Public Power District.....	Creighton.....	Western, Washington, Walnut Grove, Logan, Jefferson, Bohemia, Niobrara, exclusive of Village of Niobrara, Sparta, Verdigre, exclusive of Village of Verdigre, Miller, exclusive of Village of Winnetoon, Spade, Union, Valley, exclusive of Village of Center, Creighton, exclusive of City of Creighton, Cleveland, Central and Harrison Voting Precincts in Knox County; Sherman, Verdigris, Eden, Bazile, Garfield, exclusive of Village of Orchard, Royal, exclusive of Village of Royal, Ellsworth, exclusive of Village of Brunswick, Crawford, Custer and Willow Voting Precincts in Antelope County; Golden, Verdigris, exclusive of Village of Page, Antelope, Iowa, Willowdale, Steel Creek and Scott Voting Precincts in Holt County; North Dry Creek, exclusive of City of Plainview, South Dry Creek, exclusive of City of Plainview, and Willow Creek Voting Precincts in Pierce County

**PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 70, ARTICLE 6, REVISED STATUTES 1943
RURAL ELECTRIFICATION DISTRICTS**

Name of District	Headquarters	Municipalities Constituting District
Northeast Nebraska Rural Public Power District.....	Emerson.....	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
Polk County Rural Public Power District.....	Stromsburg.....	Silver Creek and Clarksville No. 1 Voting Precincts in Merrick County; Polk County, exclusive of City of Stromsburg and City of Osceola
Roosevelt Rural Public Power District.....	Mitchell.....	Ford, Fanning, Kiowa, 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
Southern Nebraska Rural Public Power District.....	Grand Island...	Phelps County, exclusive of City of Holdrege; Kearney County, exclusive of City of Minden; Hamilton County, exclusive of City of Aurora; West Blue, Highland, Verona, Kenesaw, Wanda, Juniata, Denver, Blaine, Hanover, Ayr, Roseland and Cottonwood Voting Precincts in Adams County; Lake, Prairie Creek, Mayfield, South Loup, Camaron, Harrison, Center, Washington, exclusive of City of Grand Island, Alda, Wood River, Jackson, Martin, Doniphan and South Platte Voting Precincts in Hall County; Palmer, Loup, Prairie Creek, Viereg, Midland, Chapman, Mead, Lone Tree, Prairie Island, Clarksville No. 2 and Central Voting Precincts in Merrick County
Stanton County Rural Public Power District.....	Stanton.....	Stanton County
Wayne County Rural Public Power District.....	Wayne.....	Wayne County
York County Rural Public Power District.....	York.....	York County, exclusive of City of York

PUBLIC DISTRICTS DISSOLVED

Name of District	Headquarters	Remarks	Date of Dissolution
Boone and Nance Rural Public Power District...	St. Edward.....	All of District included in Cornhusker Rural Public Power District	Feb. 11, 1944
Dawson County Public Pump Irrigation District..	Lexington.....		Nov. 2, 1942
Hall County Public Pump Irrigation District.....	Wood River.....		June 3, 1944
Hall County Rural Public Power District.....	Wood River.....	All of District included in Southern Nebraska Rural Public Power District	April 11, 1942
Hamilton County Rural Public Power District....	Aurora.....	All of District, excepting City of Aurora, included in Southern Nebraska Rural Public Power District	April 11, 1942
Imperial Valley Public Power and Irrigation Dist..	Pallsade.....		April 11, 1946
Lancaster County Rural Public Power District....	Walton.....	All of District, excepting Lancaster Voting Precinct, included in Norris Rural Public Power District	Aug. 3, 1942
Merrick County Rural Public Power District.....	Central City.....	All of District included in Southern Nebraska Rural Public Power District, excepting Clarksville No. 1 and Silver Creek Voting Precincts which are included in Polk County Rural Public Power District	April 11, 1942
Mirage Flats Public Power and Irrigation District	Hay Springs.....	Craig Voting Precinct in Dawes County; Mirage and Running Water Voting Precincts in Sheridan County	Oct. 4, 1948
South Platte Public Power and Irrigation District.	Ogallala.....		July 2, 1942
Southeastern Nebraska Rural Public Power District	Beatrice.....	All of District, excepting Cities of Beatrice and Wymore, included in Norris Rural Public Power District	June 15, 1942
Thayer County Rural Public Power District.....	Hebron.....	All of District, excepting the City of Hebron, included in Norris Rural Public Power District	Dec. 5, 1942

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DRAINAGE DISTRICTS

DRAINAGE DISTRICTS

Below is a complete list of drainage districts of record in the Bureau of Irrigation, Water Power and Drainage.

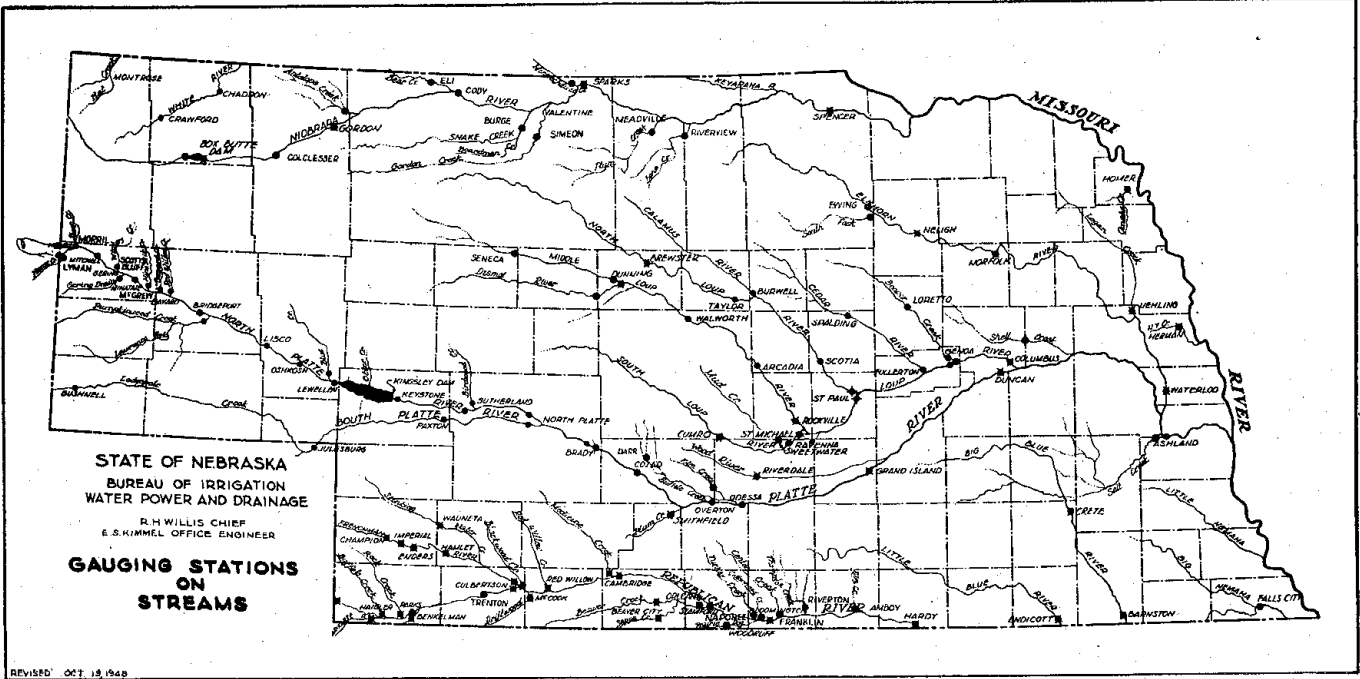
County	Name of District	Date of Approval of Plans
Buffalo	John Swenson Drainage Ditch	Nov. 5, 1929
Burt-Thurston	Lyons Drainage Ditch	
Burt-Washington	Burt-Washington County Drainage Dist. No. 1	Aug. 2, 1915
Burt-Washington	Burt-Washington County Drainage Dist. No. 2	Feb. 19, 1925
Burt-Washington	Peterson 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	Horsehoe 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 Ditch 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
Garden	Garden County Improvement and Drainage District No. 1. (Oshkosh Drainage District)	June 28, 1932
Knox	Frankfort Bottom Drainage District	Mar. 3, 1923 (Retards)

DRAINAGE DISTRICTS—Concluded

County	Name of District	Date of Approval of Plans
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	Dec. 24, 1921
Richardson	Drainage District No. 4	April 13, 1916
Richardson	Drainage District No. 5	May 8, 1920
Richardson	Drainage District No. 6	Sept. 18, 1930
Richardson	Barada Drainage District	June 6, 1921
Sarpy	Western Sarpy Drainage District	Nov. 15, 1917
Sarpy	Western Sarpy Drainage District (Extension of Henrichs Ditch)	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	Humbug Drainage District	Mar. 15, 1921
Thurston	Fender Drainage District	Feb. 21, 1918
Thurston	Drainage District No. 2	Sept. 2, 1932
Washington	Papio Valley Drainage District	Mar. 8, 1926

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DIVISION OF HYDROGRAPHY



DESCRIPTIONS OF GAGING STATIONS

NORTH PLATTE RIVER BELOW PATHFINDER DAM, WYOMING

LOCATION:—Water-stage recorder in Section 24, Township 29 North, Range 84 West, about $\frac{1}{4}$ mile below dam. Discharge measurements made from a cable located about 25 yards above the recorder shelter. Datum of gage is approximately 5,650 feet above mean sea level.

DRAINAGE AREA:—10,700 square miles.

RECORDS AVAILABLE:—May 1905 to September 1948.

EXTREMES:—Maximum daily discharge, 18,900 second-feet June 25, 26 and 27, 1917. Minimum daily discharge regulated to a few second-feet almost every year during the non-irrigation season.

REMARKS:—Records furnished by the United States Bureau of Reclamation but not published.

NORTH PLATTE RIVER BELOW ALCOVA DAM, WYOMING

LOCATION:—Water-stage recorder in Section 19, Township 30 North, Range 82 West, about $\frac{1}{4}$ mile below dam. Discharge measurements made from a cable located about 10 yards above the recorder shelter. Datum of gage is approximately 5,330 feet above mean sea level.

DRAINAGE AREA:—10,720 square miles.

RECORDS AVAILABLE:—June 1935 to September 1948.

EXTREMES:—Maximum daily discharge 7,020 second-feet July 10, 1937. Minimum daily discharge regulated to a few second-feet during the non-irrigation season each year.

REMARKS:—Records furnished by the United States Bureau of Reclamation in cooperation with the United States Geological Survey.

NORTH PLATTE RIVER BELOW GUERNSEY DAM, WYOMING

LOCATION:—Water-stage recorder in Section 27, Township 27 North, Range 66 West, $\frac{3}{4}$ mile below Guernsey Dam, 1 mile northwest of Guernsey and 192 miles downstream from Pathfinder Reservoir. Discharge measurements are made from a cable located about 100 yards below the recorder. Datum of gage is approximately 4,430 feet above mean sea level.

DRAINAGE AREA:—16,200 square miles.

RECORDS AVAILABLE:—October 1927 to September 1948.

EXTREMES:—Maximum daily discharge, 14,450 second-feet June 4, 1928. Minimum daily discharge 6 second-feet October 8 and 9, 1942.

REMARKS:—Records furnished by the United States Bureau of Reclamation.

NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE HENRY, NEBRASKA

LOCATION:—Water-stage recorder 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 800 feet below the headgate of the Mitchell Canal and 240 miles downstream from Pathfinder Reservoir. Datum of gage is approximately 4,035 feet above mean sea level.

DRAINAGE AREA:—22,100 square miles.

RECORDS AVAILABLE:—May 1929 to September 1948.

EXTREMES:—Maximum daily discharge, 17,900 second-feet June 2, 1929. Minimum daily discharge, 21 second-feet May 16, 1934.

REMARKS:—Flow is regulated by several reservoirs above station. Maintained by Nebraska, Wyoming, and the United States Geological Survey, Denver District office.

NORTH PLATTE RIVER AT MITCHELL

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 34, Township 23 North, Range 56 West on an island 10 feet downstream from State Highway bridge $\frac{1}{2}$ mile south of Mitchell and 253 miles downstream from Pathfinder Reservoir. Datum of gage is 3,931.3 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—24,300 square miles.

RECORDS AVAILABLE:—June 1901 to July 1913 and April 1916 to September 1948.

EXTREMES:—Water year 1947. Maximum discharge, 7,070 second-feet (gage height 6.59), June 25. Minimum daily discharge 245 second-feet August 9.

Water year 1948. Maximum discharge, 2,050 second-feet (gage height 3.47), June 18. Minimum daily discharge, 148 second-feet May 20.

1901-13, 1916-48: Maximum daily discharge, 23,600 second-feet June 17, 1921; minimum daily, 45 second-feet May 10, 1934.

REMARKS:—Records good for the entire 1947 water year. For the 1948 water year, the records are good except for those periods of doubtful gage height record, May 7-13, or no gage height record, February 26-29, which are poor. Flow regulated by several reservoirs above station.

NORTH PLATTE RIVER NEAR MINATARE

LOCATION:—Water-stage recorders (two channels). Main channel gage in SE $\frac{1}{4}$ Section 13, Township 21 North, Range 54 West, 350 feet upstream on left bank from State Highway bridge. Nine Mile Channel gage in SE $\frac{1}{4}$ Section 13, Township 21 North, Range 54 West, 30 feet upstream on left bank from State Highway bridge. Both gages are about 1 $\frac{3}{4}$ miles southwest of Minatare and 270 miles downstream from

NORTH PLATTE RIVER NEAR MINATARE—Concluded

Pathfinder Reservoir. Datum of main channel gage is 3,812.7 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—24,700 square miles.

RECORDS AVAILABLE:—May 1916 to October 1919, and April 1922 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge 6,690 second-feet June 26; minimum daily discharge, 401 second-feet August 10.

Water year 1948: Maximum discharge 2,400 second-feet, June 17; minimum daily discharge, 155 second-feet May 20.

1916-19, 1922-48: Maximum daily discharge 23,400 second-feet June 18, 1921, computed on basis of discharge at Mitchell and Bridgeport stations.

REMARKS:—Records good except for the period February 9, 10 and 11, 1947, when the gage heights were affected by backwater from ice; and October 14, 15 and 16 on the main channel and no gage height record on Nine Mile Channel February 3 to 17 and 21 to 29, 1948, which are poor. Figures given herein represent combined flow of both the main channel and Nine Mile Channel. Flow regulated by several reservoirs above station.

NORTH PLATTE RIVER AT BRIDGEPORT

LOCATION:—Water-stage recorders (two channels). Main channel gage in Section 28, Township 20 North, Range 50 West, at bridge on U. S. Highway No. 26, ½ mile north of Bridgeport. Browns Creek Channel gage in Section 28, Township 20 North, Range 50 West, on left bank ¼ mile above bridge on Highway 26, 750 feet north of main channel, and ¾ mile north of Bridgeport. This station is 293 miles downstream from Pathfinder Reservoir. Datum of main channel gage is 3,656.1 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—25,300 square miles.

RECORDS AVAILABLE:—May 1902 to November 1906, and June 1915 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge 7,850 second-feet, June 30; minimum daily discharge, 451 second-feet August 11.

Water year 1948: Maximum discharge 2,840 second-feet on July 15; minimum daily discharge, 256 second-feet May 21.

1902-06, 1915-48: Maximum daily discharge 23,000 second-feet June 19, 1921; minimum daily discharge, 55 second-feet May 28, 1934, and August 15, 1940.

REMARKS:—Records good except those for periods of ice effect, December 29-31, 1946, January 1-31, February 1-16, 1947, January 28-31, February 1-17, 1948, on the main channel, and January 2-6, 1947, or no gage height record December 29-31, 1947, on Browns Creek Channel, which are poor. On October 3, 1947, the Browns Creek Irrigation

NORTH PLATTE RIVER AT BRIDGEPORT—Concluded

Company built an earth dam across the channel 400 feet upstream from the recorder shelter stopping the flow in order for them to build a new spillway structure on the canal $\frac{3}{4}$ mile downstream from the shelter. The dam was removed and the recorder resumed operation on May 22, 1948. Figures given herein represent combined flow of both the main channel and Browns Creek Channel. Flow regulated by several reservoirs above station.

NORTH PLATTE RIVER AT LISCO

LOCATION:—Water-stage recorder in Section 33, Township 18 North, Range 46 West, at Highway bridge $\frac{1}{2}$ mile south of Lisco and 321 miles downstream from Pathfinder Reservoir. Datum of gage is 3,475.5 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—26,900 square miles.

RECORDS AVAILABLE:—April to September 1916; April to October 1917; September 1931 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 7,320 second-feet, June 29; minimum daily 477 second-feet on August 10.

Water year 1948: Maximum discharge, 2,880 second-feet June 24; minimum daily, 378 second-feet May 22.

1931-48: Maximum discharge, 12,100 second-feet June 15, 1935; minimum daily, 8 second-feet August 4, 1934.

REMARKS:—Records good except for periods of ice effect, December 28, 1946 to March 10, 1947, and January 27, 1948 to February 19, and March 4 to 14, 1948, which records are fair, or November 9-13, 1947, no gage heights, which records are poor. Flow regulated by several reservoirs above station.

NORTH PLATTE RIVER AT OSHKOSH

LOCATION:—Water-stage recorder near line between Section 3 and 10, Township 16 North, Range 44 West, at bridge on State Highway 27, 1 mile south of Oshkosh and 348 miles downstream from Pathfinder Reservoir. Datum of gage is 3,369.6 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—27,500 square miles.

RECORDS AVAILABLE:—April 1916 to October 1917, and March 1928 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 8,180 second-feet, June 29; minimum daily, 449 second-feet August 11.

Water year 1948: Maximum discharge, 2,820 second-feet June 19; minimum daily, 265 second-feet May 23.

1916-17, 1928-48: Maximum daily discharge, 19,200 second-feet June 4, 1929; no flow July 21 to August 11, August 21, 24-31, 1934.

NORTH PLATTE RIVER AT OSHKOSH—Concluded

REMARKS:—Records good except those for periods of ice effect, December 29, 1946, to February 17, 1947, February 25 to March 14, 1947, January 6, 7, 18-31, February 1-25, March 5-16, 1948, or no gage height record October 19-21, 1947, January 2-5, 1948, which are poor. Flow regulated by several reservoirs above station.

NORTH PLATTE RIVER AT LEWELLEN

LOCATION:—Water-stage recorders (two channels) in Section 34, Township 16 North, Range 42 West, at highway bridges, $\frac{1}{2}$ mile upstream from high-water line of McConaughy Lake, 1 mile southeast of Lewellen and 365 miles downstream from Pathfinder Reservoir. Data of north and south gages are 3,283.6 and 3,284.7 feet above mean sea level, respectively, datum of 1929.

DRAINAGE AREA: 28,500 square miles.

RECORDS AVAILABLE:—July to September 1931, December 1940 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 8,520 second-feet June 30; minimum daily, 430 second-feet August 11.

Water year 1948: Maximum discharge, 3,470 second-feet February 19; Minimum daily, 313 second-feet May 23.

1931, 1940-48: Maximum discharge, 8,520 second-feet June 30, 1947; minimum daily, 81 second-feet August 15, 1941.

REMARKS:—Records good except those for periods of ice effect, December 18, 1946 to March 16, 1947, November 22-25; December 4-20, 25-31, 1947, January 1 to February 20, 1948, or no gage height record on the south channel December 4-10, 25-31, 1947, January 1-5, 1948, which are poor. River flows in two channels for which separate records are computed; figures given here represent combined flow. Flow regulated by several reservoirs above station.

NORTH PLATTE RIVER NEAR KEYSTONE

LOCATION:—Water-stage recorder in SW $\frac{1}{4}$ Section 1, Township 14 North, Range 38 West, about $\frac{1}{4}$ mile downstream from diversion dam of Sutherland Reservoir Supply Canal, 2 $\frac{1}{2}$ miles southwest of Keystone. It is 2 miles downstream from Kingsley Reservoir and 388 miles downstream from Pathfinder Reservoir.

RECORDS AVAILABLE:—July to September 1939, May to September 1940, January to May 1941, March 1942 to September 1948.

EXTREMES (regulated):—Water year 1947: Maximum discharge, 3,010 second-feet August 18; minimum daily, 2 second-feet April 14-22.

Water year 1948: Maximum discharge, 2,980 second-feet July 25; minimum daily, 3 second-feet March 28-30.

1939-48: Maximum discharge, 3,700 second-feet July 31, 1944, maximum gage height 5.78 feet July 30, 1945; minimum daily, an observation of no flow was made on March 21, 1945.

NORTH PLATTE RIVER NEAR KEYSTONE—Concluded

REMARKS:—Records good at high stages but poor at low stages as the water surface in the channel is reflected in the stilling well only by seepage. Inlet pipe to well operates when flow exceeds 8 second-feet. Flow regulated by control gates of Kingsley Dam (McConaughy Lake) located 2 miles above station.

NORTH PLATTE RIVER NEAR SUTHERLAND

LOCATION:—Water-stage recorder in Section 4, Township 14 North, Range 33 West, at highway bridge, 2½ miles upstream from Birdwood Creek, and 3½ miles north of Sutherland. It is 19 miles downstream from Kingsley Reservoir and 405 miles downstream from Pathfinder Reservoir.

DRAINAGE AREA:—31,700 square miles.

RECORDS AVAILABLE:—July to September 1931, June to September 1932, April 1936 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 2,860 second-feet August 20; minimum daily, 13 second-feet June 8.

Water year 1948: Maximum discharge 2,940 second-feet July 29; minimum daily, 50 second-feet January 23.

1931, 1932, 1936-48: Maximum discharge, 3,770 second-feet April 29, 1938 (gage height 4.95); minimum daily, no flow July 20-28, 1940.

REMARKS:—Records good except those for periods of ice effect, December 28, 1946 to March 12, 1947, December 4-20, January 1-11, 14-28, 1948, and no gage height record, February 4-24, 1948, which are poor. Flow regulated at Kingsley Dam (McConaughy Lake).

NORTH PLATTE RIVER AT NORTH PLATTE

LOCATION:—Water-stage recorder in Section 28, Township 14 North, Range 30 West, at bridge on U. S. Highway No. 183, ½ mile north of the city of North Platte, and 4½ miles upstream from the confluence with South Platte River. It is 36 miles downstream from Kingsley Reservoir and 422 miles downstream from Pathfinder Reservoir. Datum of gage is 2,794.9 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—32,000 square miles.

RECORDS AVAILABLE:—February 1895 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 2,570 second-feet August 21; minimum daily, 170 second-feet January 2.

Water year 1948: Maximum discharge, 3,240 second-feet July 30; minimum daily, 110 second-feet February 13.

1895-1948: Maximum daily discharge, 27,100 second-feet June 6, 1909; minimum daily, 20 second-feet September 20, 1904.

REMARKS:—Record good except for those periods of ice effect, December 17-22, 28-31, 1946, January 1 to February 15, 24-28, March

NORTH PLATTE RIVER AT NORTH PLATTE—Concluded

1-9, December 4-20, 1947, January 1-11, 14-28, 1948, which are fair, and no gage height record February 4-24, 1948, which are poor. Flow regulated by Kingsley Reservoir above station.

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

LOCATION:—Water-stage recorders in Section 33, Township 12 North, Range 44 West, about 1 mile south of Julesburg, Colorado, on Highway No. 51, and 4 miles upstream from Colorado-Nebraska State Line. The river is divided into four channels, numbered 1, 2, 3 and 4, beginning with the south channel. During the last 16 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. Datum of gage is 3,446.76 feet above mean sea level.

DRAINAGE AREA:—22,800 square miles (revised).

RECORDS AVAILABLE:—April 1902 to November 1906; May 1908 to September 1914; January 1923 to September 1948.

EXTREMES:—Maximum daily discharge, 30,800 second-feet June 16, 1921. Minimum daily discharge 1 second-foot August 18, 19, 20, 1902, July 20 to August 16, 1903.

REMARKS:—Records fair since 1926. Some records prior to 1926 are not complete for entire year. The published record represents the combined flow of all four channels. Flow partly regulated by reservoirs in Colorado. Maintained by the State of Colorado and the State of Nebraska.

SOUTH PLATTE RIVER AT PAXTON

LOCATION:—Water-stage recorder in Section 8, Township 13 North, Range 35 West, at highway bridge $\frac{1}{2}$ mile south of Paxton. Datum of gage is 3,048.84 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—23,600 square miles.

RECORDS AVAILABLE:—August 1939 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 12,100 second-feet June 30 (gage height 7.10 feet); minimum daily, 5 second-feet May 25, 26 and 27.

Water year 1948: Maximum discharge, 2,550 second-feet March 17; minimum daily, 5 second-feet October 19, 20 and July 10, 11, 12 and 13.

1939-48: Maximum discharge, 16,900 second-feet May 7, 1942, maximum gage height, 8.0 feet April 30, 1942; minimum daily discharge, 0.1 second-feet September 26-29, 1940.

REMARKS:—Records good except those for periods of ice effect, February 5-8, 25-28, March 1-4, 1947, which are fair, or no gage height record, December 24, 1947 to January 2, 1948, which are poor. Flow is regulated by reservoirs and canals in Colorado and canals in Nebraska.

SOUTH PLATTE RIVER AT NORTH PLATTE

LOCATION:—Water-stage recorder in Section 9, Township 13 North, Range 30 West, at bridge on U. S. Highway 183, $\frac{3}{4}$ mile south of city of North Platte and 4 miles upstream from confluence with North Platte River. Datum of gage is 2,795.20 feet above mean sea level (city of North Platte bench mark). Prior to July 19, 1945, at datum 1.02 feet higher. Weather Bureau gages on both banks are 3.02 feet higher datum.

DRAINAGE AREA:—24,300 square miles.

RECORDS AVAILABLE:—April 1915 to Septmeber 1948 (fragmentary prior to March, 1922).

EXTREMES:—Water year 1947: Maximum discharge 11,500 second-feet July 1 (gage height 6.64); minimum daily, 50 second-feet December 29.

Water year 1948: Maximum discharge, 2,450 second-feet March 18; minimum daily, 70 second-feet February 3.

1915-48: Maximum discharge observed, 37,100 second-feet June 3, 1935 (gage height, 9.12 feet, present datum); no flow at times during summers of most years prior to 1938.

REMARKS:—Records good except for periods of ice effect, December 28-31, 1946, January 1-24, 29-31, February 1-15, March 1-7, 13-15, 1947, January 28-31, February 1-18, 1948, which are fair. Flow is regulated by reservoirs and canals in Colorado and canals in Nebraska.

PLATTE RIVER AT BRADY

LOCATION:—Water-stage recorders (two channels) in Sections 11 and 23, Township 12 North, Range 27 West, at highway bridges on county road south of Brady, 18 miles downstream from confluence of North Platte and South Platte Rivers and 444 miles downstream from Pathfinder Reservoir.

RECORDS AVAILABLE:—April to September 1937, May 1938 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 10,000 second-feet July 1; minimum daily, 50 second-feet January 30.

Water year 1948: Maximum discharge, 2,730 second-feet February 17; minimum daily, 74 second-feet July 7.

1937-48: Maximum discharge, 15,400 second-feet May 7, 1942 (North Channel gage No. 1, 6.25 feet; South Channel gage No. 4, 2.20 feet); minimum daily, no flow August 22-24, 1941.

REMARKS:—Records good except those for periods of ice effect, November 10-13, December 18-23, 28-31, 1946, January 1 to March 17, 1947, January 24 to February 17, March 10-14, 1948, which are poor. Tri-County main supply canal (capacity about 2,000 second-feet) diverts water from river 8 miles above station; diversion started November 26,

PLATTE RIVER AT BRADY—Concluded

1940. River flows in two channels for which separate records are computed; figures given herein represent combined flow. Flow regulated by several reservoirs above station.

PLATTE RIVER NEAR COZAD

LOCATION:—Water-stage recorders (two channels) in Section 18, Township 10 North, Range 23 West, at county highway bridges 1½ miles south of Cozad, 84 miles downstream from Kingsley Reservoir and 470 miles downstream from Pathfinder Reservoir.

DRAINAGE AREA:—57,200 square miles (approx.).

RECORDS AVAILABLE:—July to September 1932, October 1936 to September 1937 (fragmentary), May to September 1938, March 1939 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 10,300 second-feet July 2; minimum daily, 16 second-feet September 8 and 9.

Water year 1948: Maximum discharge, 2,640 second-feet July 29; Minimum daily, 7 second-feet September 20-23.

1932, 1936-48: Maximum discharge, 16,600 second-feet May 10, 1942; minimum daily, no flow at times 1937-40.

REMARKS:—Records good except those for periods of ice effect, December 28-31, 1946, January 7-22, 29-31, February 1-18, 25-28, March 1-11, 1947, January 1, 27-31, February 1-7, 13-19, 21-25, 1948, which are fair, and those for periods of no gage height record December 18-20, 1946, April 9-24, 1947, January 23-26, February 8-12, March 5-15, 1948 (north channel), January 2-6, 1947, March 5-11, April 2-6, 21, 22, 1948 (south channel) which are poor. Jeffrey Power Return from Tri-County Canal enters river just above station. River flows in two channels for which separate records are computed; figures given herein represent combined discharge. Flow partly regulated by several reservoirs above station.

PLATTE RIVER NEAR OVERTON

LOCATION:—Water-stage recorder in Section 12, Township 8 North, Range 20 West, at highway bridge, 4 miles south of Overton, 4 miles downstream from Plum Creek and 490 miles downstream from Pathfinder Reservoir.

DRAINAGE AREA:—58,400 square miles.

RECORDS AVAILABLE:—June 1918 to December 1923, January 1925 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 13,900 second-feet June 23; minimum daily, 216 second-feet August 17.

Water year 1948: Maximum discharge, 4,480 second-feet June 23; minimum daily, 28 second-feet September 6.

PLATTE RIVER NEAR OVERTON—Concluded

1918-23, 1925-48: Maximum discharge, 37,600 second-feet June 5, 1935 (gage height, 6.25 feet) from rating curve extended above 18,000 second-feet; minimum daily, no flow at times during 1925, 1927, 1928, 1930-41.

REMARKS:—Records mediocre except those for periods of ice effect, January 2-26, 29-31, February 1-15, 19-28, March 1-9, 1947, January 23-31, February 1-28, March 9-13, 1948, which are fair, or no gage height record November 10-12, December 28-31, 1946, January 1, 1947, which are poor. Flow regulated by Johnson Power Return from Tri-County Canal and several reservoirs above station.

PLATTE RIVER NEAR ODESSA

LOCATION:—Water-stage recorder in Section 16, Township 8 North, Range 17 West, at highway bridge $2\frac{1}{2}$ miles south of Odessa, 5 miles downstream from Elm Creek, 119 miles downstream from Kingsley Dam and 505 miles downstream from Pathfinder Reservoir.

DRAINAGE AREA:—58,800 square miles.

RECORDS AVAILABLE:—March 1937 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 20,100 second-feet June 24; minimum daily, 140 second-feet September 8.

Water year 1948: Maximum discharge, 4,480 second-feet June 23; minimum daily, 28 second-feet September 6.

1937-48: Maximum discharge, 17,500 second-feet May 10, 1942; minimum daily, no flow for periods in each year 1937-46.

REMARKS:—Records fair except those for periods of ice effect, December 17-22, 1946, January 1, 7-28, February 3-28, March 1-19, December 5-31, 1947, January 2-31, February 1-29, March 1-19, 1948, or no gage height record, November 9, 10, December 28-31, 1946, January 2-6, 29-31, February 1, 2, November 7-13, December 4, 1947, March 10, 1948, which are poor. Flow regulated by several reservoirs above station.

PLATTE RIVER NEAR GRAND ISLAND

LOCATION:—Water-stage recorder in Section 36, Township 11 North, Range 9 West, at bridge on U. S. Highway 34, 2 miles upstream from Chicago, Burlington and Quincy Railroad bridge, 5 miles southeast of Grand Island and 560 miles downstream from Pathfinder Reservoir.

DRAINAGE AREA:—59,500 square miles.

RECORDS AVAILABLE:—May 1933 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 20,300 second-feet June 23 (gage height, 5.66 feet); minimum daily, 16 second-feet August 22.

PLATTE RIVER NEAR GRAND ISLAND—Concluded

Water year 1948: Maximum discharge, 15,900 second-feet March 18; maximum gage height, 5.62 feet March 18 (backwater from ice); no flow July 28, August 31 to September 2.

1933-48: Maximum discharge, 30,000 second-feet June 6, 1935 (gage height 5.99 feet), from rating curve extended above 14,000 second-feet; no flow at times during 1934-44, 1946, 1948.

REMARKS:—Records fair except those for periods of ice effect, December 18-23, 30-31, 1946, January 1 to March 20, December 4-31, 1947, January 1 to March 18, 1948, which are poor. Flow regulated by several reservoirs above station.

PLATTE RIVER NEAR DUNCAN

LOCATION:—Water-stage recorder in Section 12 Township 16 North, Range 2 West, at highway bridge 1½ miles south of Duncan, 12 miles upstream from mouth of Loup River, and 632 miles downstream from Pathfinder Reservoir. Datum of gage is 1,478.55 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—61,600 square miles.

RECORDS AVAILABLE:—October 1928 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 23,800 second-feet June 24 (gage height 5.91 feet); minimum daily, 8 second-feet August 23.

Water year 1948: Maximum discharge, 14,000 second-feet March 20 (gage height 4.93 feet); minimum daily, 10 second-feet September 19-22.

1928-48: Maximum discharge, 30,000 second-feet June 7, 1935 (gage height 6.28 feet); no flow at times.

REMARKS:—Records fair except those for periods of ice effect, December 17-23, 1946, December 28, 1946, to March 19, 1947; December 6, 1947 to March 19, 1948, which are poor. Flow partly regulated by several reservoirs above station. Maximum discharge for period of record is corrected figure; revised daily discharge for the high-water period in June 1935 may be found in U. S. G. S. Water Supply Paper 956.

PLATTE RIVER NEAR ASHLAND

LOCATION:—Water-stage recorder in Section 29, Township 13 North, Range 10 East, at bridge on U. S. Highway 6, 100 feet downstream from Chicago, Burlington and Quincy Railroad bridge, 2 miles upstream from Salt Creek, 3 miles northeast of Ashland, and 719 miles downstream from Pathfinder Reservoir. Datum of gage is 1052.51 feet above mean sea level, datum of 1929. Prior to June 17, 1948, at site ½ mile upstream at datum 1,054.79 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—83,800 square miles.

PLATTE RIVER NEAR ASHLAND—Concluded

RECORDS AVAILABLE:—August 1928 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 79,400 second-feet June 25 (gage height, 7.35 feet); minimum daily, 920 second-feet January 2-3.

Water year 1948: Maximum discharge, 58,500 second-feet March 1 (gage height 8.0 feet); minimum daily, 1,200 second-feet January 19.

1928-48: Maximum discharge, 107,000 second-feet June 12, 1944, includes overbank flow caused by breaking of dikes; maximum gage height 8.33 feet March 5, 1936, (site then in use), ice jam; minimum daily discharge 265 second-feet August 18, 1941.

REMARKS:—Records good except for periods of ice effect, December 18-22, 1946, December 28, 1946 to March 15, 1947, December 8, 1947 to February 29, 1948, March 5-15, 1948, or no gage height record July 30 to August 2, August 12, 14-15, September 1-6, 12-16, 20-30, October 18, 1947, June 11-17, August 28 to September 1, September 4-9, 1948, which are poor. Flow partly regulated by several reservoirs above station.

ANTELOPE CREEK NEAR GORDON

LOCATION:—Staff gage in Section 13 Township 32 North, Range 41 West, about 4 miles upstream from mouth and about 8 miles southeast of Gordon.

RECORDS AVAILABLE:—January to September 1948.

EXTREMES:—Maximum discharge during period, 500 second-feet March 15 (gage height 5.78 feet); minimum daily, 0.1 second-foot July 7-13, August 16 to September 6.

REMARKS:—Records poor.

ARIKAREE RIVER AT HAIGLER

LOCATION:—Water stage recorder in Section 28, Township 1 North, Range 41 West, $\frac{1}{4}$ mile downstream from bridge on U. S. Highway 34, $\frac{1}{2}$ mile northwest of Haigler, and $\frac{1}{2}$ mile upstream from mouth. Datum of gage is 3,242.36 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—1,460 square miles of which only 1,330 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—March 1942 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 2,400 second-feet April 28 (gage height 5.80 feet); no flow August 8-14, 21-24, September 4-7.

Water year 1948: Maximum gage height 8.47 feet June 16 (discharge not determined); minimum daily discharge 0.1 second-foot September 15-16.

ARIKAREE RIVER AT HAIGLER—Concluded

1932-48: Maximum discharge, 50,000 second-feet May 31, 1935 (gage height, 12.2 feet, present datum, from floodmarks), by slope-area method; no flow for periods in most years.

REMARKS:—Records poor.

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD

LOCATION:—Water-stage recorder above concrete flume in SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5, Township 20 North, Range 52 West, about 800 feet downstream from Alliance Canal Diversion and $\frac{1}{4}$ miles southwest of Bayard.

RECORDS AVAILABLE:—October 1931 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 356 second-feet June 29 (gage height 3.93 feet); minimum daily 1.7 second-feet June 2.

Water year 1948: Maximum discharge, 141 second-feet June 17 (gage height 2.36 feet); minimum daily, 4.5 second-feet July 11.

1931-48: Maximum discharge, 383 second-feet June 10, 1941 (gage height 3.62 feet), from rating curve extended above 120 second-feet; no flow June 1, 2, July 4-8, 1934, May 16, 17, 1936.

REMARKS:—Records good except those for periods of ice effect, February 8, 1947, or no gage-height record, December 13, 1947 to January 2, 1948, January 23-28, February 11, 1948, which are fair.

BEAR CREEK NEAR ELI

LOCATION:—Staff gage in SW $\frac{1}{4}$ Section 28, Township 34 North, Range 35 West, about 4 miles southeast of Eli, and about 5 miles above mouth.

RECORDS AVAILABLE:—January to September 1948.

EXTREMES:—1948: Maximum discharge observed, 90 second-feet March 19 (gage height 3.50 feet); minimum daily, 1.3 second-feet September 14-15.

REMARKS:—Records fair except those for periods of ice effect, January 21 to March 13, 1948, which are poor.

BEAVER CREEK AT LORETTO

LOCATION:—Water-stage recorder in E $\frac{1}{2}$ Section 26, Township 21 North, Range 7 West, at west edge of Loretto and just downstream from county highway bridge.

DRAINAGE AREA:—311 square miles.

RECORDS AVAILABLE:—October 1944 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 793 second-feet June 12 (gage height 9.87 feet); minimum daily, 24 second-feet September 9.

BEAVER CREEK AT LORETTO—Concluded

Water year 1948: Maximum discharge, 807 second-feet February 28 (gage height 9.81 feet); minimum daily, 25 second-feet February 9, 12.

1944-48: Maximum discharge, that of February 28, 1948; minimum daily, 22 second-feet August 2, 1946.

REMARKS:—Records good except those for periods of ice effect, December 16-19, 28-31, 1946, January 1-23, 28-31, February 1-14, 19-28, March 1-6, December 9-21, 1947, January 1-3, 15-31, February 1-14, March 9-11, 1948, which are fair.

Discharges for high water of May 1946 published in previous report have been revised. Correct figures are contained in U. S. G. S. Water Supply Paper, part 6, for 1946.

BEAVER CREEK AT GENOA

LOCATION:—Water-stage recorder in $W\frac{1}{2}SE\frac{1}{4}$ Section 14, Township 17 North, Range 4 West, at bridge on State Highway 22, $\frac{1}{5}$ mile upstream from Union Pacific Railroad bridge, 1 mile southwest of Genoa, and about 3 miles upstream from mouth.

DRAINAGE AREA:—(Revised) 627 square miles of which about 410 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—October 1940 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 2,410 second-feet June 22 (gage height, 11.20 feet); minimum daily, 34 second-feet August 11.

Water year 1948: Maximum discharge 3,700 second-feet February 28 (gage height, 13.67 feet); minimum daily, 35 second-feet December 31.

1940-48: Maximum discharge, 3,930 second-feet June 21, 1942 (gage height, 15.5 feet from floodmarks); minimum daily, 25 second-feet December 15, 1943.

REMARKS:—Records good except those for periods of ice effect, December 17-22, 1946, December 28, 1946 to March 18, 1947, December 5, 1947 to February 19, 1948, March 10-13, 1948, which are poor.

BIRDWOOD CREEK NEAR HERSHEY

LOCATION:—Water-stage recorder in $NE\frac{1}{4}NW\frac{1}{4}$ Section 2, Township 14 North, Range 33 West, at bridge on county road, 1 mile upstream from mouth, and 5 miles northwest of Hershey.

DRAINAGE AREA:—286 square miles.

RECORDS AVAILABLE:—May to September 1920, January 1922 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 501 second-feet June 18; minimum daily, 85 second-feet August 11.

BIRDWOOD CREEK NEAR HERSHEY—Concluded

Water year 1948: Maximum discharge, 360 second-feet August 2; minimum daily, 93 second-feet July 24.

1920-48: Maximum daily discharge, 850 second-feet October 12, 1930; minimum discharge, 30 second-feet January 19, 1935, from rating curve extended below 100 second-feet.

REMARKS:—Records good except those for periods of ice effect, December 28-31, 1946, January 1-11, 15-19, January 29 to February 14, March 1-2, 1947, January 1-2, January 27 to February 16, March 11-13, 1948, which are poor.

BLACKWOOD CREEK NEAR CULBERTSON

LOCATION:—Water-stage recorder in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 10, Township 3 North, Range 31 West, 60 feet upstream from bridge on U. S. Highway 6 and 34, 1 $\frac{1}{4}$ miles east of Culbertson, and 2 miles upstream from mouth. Datum of gage is 2,555.25 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—290 square miles.

RECORDS AVAILABLE:—May 1946 to September 1948.

EXTREMES:—Water year 1947: Maximum gage height 13.67 feet, June 22 (discharge not determined); minimum daily discharge, 0.1 second-foot on several days.

Water year 1948: Maximum discharge, 595 second-feet June 28 (gage height 8.32 feet); minimum daily, 0.1 second-foot on several days.

1946-48:—Maximum gage height, that of June 22, 1947 (discharge not determined); minimum daily discharge, 0.1 second-foot on many days.

REMARKS:—Records poor.

BLUE CREEK NEAR LEWELLEN

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ Section 30, Township 16 North, Range 42 West, 60 feet downstream from county highway bridge, $\frac{1}{2}$ mile downstream from bridge on U. S. Highway 26, $\frac{3}{4}$ mile upstream from mouth, and 1 $\frac{1}{2}$ miles west of Lewellen.

DRAINAGE AREA:—267 square miles.

RECORDS AVAILABLE:—June 1919 to September 1948 (1919 and 1920, irrigation seasons only).

EXTREMES:—Water year 1947: Maximum discharge, 313 second-feet June 29 (gage height 3.79 feet); no flow May 23-26.

Water year 1948: Maximum discharge, 223 second-feet July 28; maximum gage height, 4.93 feet, February 12 (backwater from ice); minimum daily discharge, 0.2 second-foot May 19-20.

BLUE CREEK NEAR LEWELLEN—Concluded

1919-48: Maximum discharge, 720 second-feet May 20, 1938, from rating curve extended above 150 second-feet; no flow July 3, 4, 1921; October 22, 1940; May 23-26, 1947.

REMARKS:—Records good except those for periods of no gage height or periods of ice effect, November 9, 10, 23, 24, 1946, December 4, 1946, January 5, 1947, March 17, July 19, September 6, 7, October 11-13, 17, 18, 22-30, 1947, January 17-22, January 24, February 17, May 13, 14, 1948.

BLUE RIVER, BIG, NEAR CRETE

LOCATION:—Wire-weight gage in S½ Section 3, Township 7 North, Range 4 East, at bridge on State Highway 82, 1¼ miles south of Crete and 3.3 miles downstream from Walnut Creek. Datum at gage is 1,311.5 feet (corrected) above mean sea level, datum of 1929.

DRAINAGE AREA:—2,680 square miles (revised).

RECORDS AVAILABLE:—April 1945 to September 1948. (Medium and high flows only.)

EXTREMES:—Water year 1947: Maximum discharge, 8,200 second-feet June 14 (gage height, 23.57 feet, from floodmark).

Water year 1948: Maximum discharge observed, 15,800 second-feet March 20 (gage height 25.86 feet).

1945-48: Maximum discharge observed, that of March 20, 1948.

REMARKS:—Records good. Stage-discharge relation below about 10 feet affected by backwater from power dam downstream; discharge computed only for stages above 10 feet.

BLUE RIVER, BIG, AT BARNSTON

LOCATION:—Water stage recorder in NE¼SW¼ Section 13, Township 1 North, Range 7 East, in tail water of power plant, ¾ mile northwest of Barnston, 2 miles upstream from Plum Creek, and 5 miles upstream from Nebraska-Kansas State line.

DRAINAGE AREA:—4,420 square miles (revised).

RECORDS AVAILABLE:—October 1932 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 34,400 second-feet June 23 (gage height, 29.76 feet); minimum daily, 62 second-feet September 21.

Water year 1948: Maximum discharge, 17,200 second-feet March 23 (gage height, 24.29 feet); minimum daily, 3 second-feet, January 2.

1932-48: Maximum discharge, 57,700 second-feet June 9, 1941 (gage height, 34.3 feet); minimum daily, 1 second-foot November 30, 1945.

REMARKS:—Records good except those for periods ice effect, December 29-31, 1946, January 1-5, February 6, 9-10, 1947, January 15 to February 12, 1948, which are fair.

BLUE RIVER, LITTLE, NEAR ENDICOTT

LOCATION: Water-stage recorder in Section 6, Township 1 North, Range 3 East, 300 feet downstream from county highway bridge, 1½ miles upstream from Chicago, Burlington and Quincy Railroad bridge, and 2 miles northwest of Endicott.

DRAINAGE AREA:—2,340 square miles.

RECORDS AVAILABLE:—October 1930 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 16,400 second-feet June 23 (gage height 13.18 feet); minimum daily, 50 second-feet February 3.

Water year 1948: Maximum discharge, 11,900 second-feet February 28 (gage height, 12.80 feet); minimum daily, 70 second-feet December 31, January 2.

1930-48: Maximum discharge, 26,800 second-feet June 9, 1941 (gage height, 16.23 feet); minimum, 14 second-feet November 22, 1929 (discharge measurement).

REMARKS:—Records good except those periods of ice effect December 18-21, 29-31, 1946, January 1-22, 30-31, February 1-13, 22-28, March 1-3, December 4-5, 8-17, 24, 30-31, 1947, January 1-10, 13-31, February 1-18, March 5-14, 1948, or no gage-height record, February 21-24, 1948, which are poor.

BUFFALO CREEK NEAR DARR

LOCATION:—Water-stage recorder in NE¼ Section 28, Township 11 North, Range 22 West, 12 feet downstream from county highway bridge and 6½ miles northeast of Darr. Datum of gage is 2,466.7 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—63 square miles.

RECORDS AVAILABLE:—October 1946 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 9,000 second-feet June 22 (gage height, 18.4 feet, from flood mark), by slope-area method; no flow on many days.

Water year 1948: Maximum discharge, 1,440 second-feet June 21 (gage height, 13.33 feet); no flow on many days.

1946-48:—Maximum discharge, that of June 22, 1947; no flow on many days.

REMARKS:—Records poor.

BUFFALO CREEK NEAR HAIGLER

LOCATION:—Water-stage recorder in NW¼ Section 20, Township 1 North, Range 40 West, just downstream from county highway bridge, ¾ mile upstream from mouth, and 4 miles northeast of Haigler. Datum of gage is 3,204.57 feet above mean sea level, datum of 1929.

BUFFALO CREEK NEAR HAIGLER—Concluded

DRAINAGE AREA:—180 square miles of which only about 21 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—February to November 1922, January 1924 to September 1931, October 1940 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 34 second-feet April 28; maximum gage height, 4.62 feet December 30, backwater from ice; minimum daily discharge, 0.8 second-foot August 14.

Water year 1948: Maximum gage height, 4.37 feet June 27 (discharge not determined); minimum daily discharge, 5.5 second-feet October 1, June 26.

1922, 1924-31, 1940-48: Maximum discharge not determined, occurred June 27, 1948; maximum gage height, 4.62 feet December 30, 1946, (backwater from ice); no flow September 8 to October 10, 1922.

REMARKS:—Records fair except those for periods of ice effect November 10-13, December 17-19, 28-31, 1946, January 1-11, 14-20, 28-31, February 1-14, 20, 21, 24-28, March 1-3, 5-8, 13, 15, November 7, 11, 21-24, December 3-20, 30, 31, 1947, January 1-4, 13-21, 23-31, February 1-18, 20-22, March 4-14, 1948, or no gage height record, November 14-17, 1946, June 7-13, July 3-6, 10-13, 18, 21-31, August 1-31, September 1, 3-13, 1948, which are poor.

CALAMUS RIVER NEAR BURWELL

LOCATION:—Water-stage recorder in NW¼ Section 9, Township 21 North, Range 16 West, 300 feet downstream from county highway bridge, 1½ miles upstream from mouth, and 3 miles northwest of Burwell.

DRAINAGE AREA:—(Revised) 1,260 square miles of which only about 110 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—October 1940 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 606 second-feet June 22; maximum gage height, 3.85 feet February 15 (backwater from ice); minimum daily discharge, 160 second-feet December 18.

Water year 1948: Maximum discharge, not determined, occurred during period of ice effect; maximum gage height, 3.53 feet February 17 (backwater from ice); minimum daily discharge 130 second-feet, January 23.

1940-48: Maximum discharge, not determined, probably occurred during period of ice effect March 20, 1943; maximum gage height, 3.85 feet February 15, 1947 (backwater from ice); minimum daily discharge, 100 second-feet February 5, 6, 1946.

REMARKS:—Records good except those for periods of ice effect, December 16-20, 28-31, 1946, January 1-24, 29-31, February 1-16, 25-28, March 1, 2, November 19-24, December 4-14, 1947, January 2-4, 14-31, February 1-18, March 10-14, 1948, which are poor.

CEDAR RIVER NEAR SPALDING

LOCATION:—Water-stage recorder in NW¼ Section 5, Township 20 North, Range 10 West, 40 feet downstream from county highway bridge, 10½ miles northwest of Spalding.

DRAINAGE AREA:—(Revised) 794 square miles of which only about 50 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—March 1945 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 4,000 second-feet June 23 (gage height, 7.50 feet), slope area determination; minimum daily, 40 second-feet January 15.

Water year 1948: Maximum discharge, 554 second-feet February 16 (gage height, 3.56 feet); minimum daily, 60 second-feet August 11.

1945-48: Maximum discharge, that of June 23, 1947 minimum daily, 30 second-feet January 30, 1946.

REMARKS:—Records fair October 1946 to June 1947 and good thereafter, except for those periods of ice effect, December 29-31, 1946, January 1-23, 29-31, February 1-17, 22-28, March 1, 2, December 4-16, 31, 1947. January 1-6, 16-31, February 1-15, March 10-14, 1948, or periods of no gage-height record, October 4-9, 1946, which are poor.

CEDAR RIVER NEAR FULLERTON

LOCATION:—Water-stage recorder and staff gage on line between SE¼SE¼ Section 33, Township 17 North, Range 6 West, and NE¼NE¼ Section 4, Township 16 North, Range 6 West, at bridge on State Highway 52, 3 miles northwest of Fullerton, and 5¾ miles upstream from mouth.

DRAINAGE AREA:—(Revised) 1,220 square miles of which only about 480 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—October 1940 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 7,510 second-feet June 23 (gage height, 8.40 feet); minimum daily, 45 second-feet December 10.

Water year 1948: Maximum discharge, 9,760 second-feet February 28 (gage height, 9.40 feet); minimum daily, 80 second-feet January 1.

1940-48: Maximum discharge that of February 28, 1948; minimum daily, 40 second-feet March 16, 17, 20, 1943.

REMARKS:—Records good except those computed from staff gage readings, June 25, 1947 to April 7, 1948, which are fair, or those for periods of ice effect December 17-31 1946, January 1 to March 22, November 24, December 4-31, 1947, January 1 to February 25, March 11-15, 1948, or indefinite stage discharge relation June 5-9, 1947, which are poor.

DISMAL RIVER AT DUNNING

LOCATION:—Staff gage in Section 4, Township 21 North, Range 24 West, at bridge on State Highway 2, at southeast corner of Dunning, and 1 mile upstream from mouth. Datum of gage is 2,606.3 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—1,780 square miles of which only about 50 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—September 1945 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge observed, 572 second-feet October 5; maximum gage-height observed, 5.21 feet January 19 (backwater from ice); minimum daily discharge, 220 second-feet December 29, 30.

Water year 1948: Maximum discharge observed, 412 second-feet July 18; maximum gage height observed, 5.20 feet February 13 (backwater from ice); minimum daily discharge 1,240 second-feet January 28 to February 5.

1945-48: Maximum discharge observed, that of October 5, 1947; minimum daily, that of December 29, 30, 1946.

REMARKS:—Records fair except those for periods of ice effect. December 29-31, 1946, January 1-23, 30, 31, February 1-15, December 5-11, 1947, January 28 to February 17, March 10-13, 1948, which are poor.

DRIFTWOOD CREEK NEAR McCOOK

LOCATION:—Water-stage recorder in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 12, Township 2 North, Range 30 West, at county highway bridge, 4 miles southwest of McCook and 4 $\frac{1}{2}$ miles upstream from mouth. Datum of gage is 2,493.78 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—360 square miles.

RECORDS AVAILABLE:—March 1946 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 2,270 second-feet June 25 (gage height, 18.85 feet); no flow October 3.

Water year 1948: Maximum discharge, 1,520 second-feet June 21 (gage height, 15.77 feet); no flow September 1.

1946-48: Maximum discharge, 3,400 second-feet (corrected) September 9, 1946 (gage height, 20.57 feet), by slope area method; no flow on many days.

REMARKS:—Records poor.

ELKHORN RIVER AT EWING

LOCATION:—Water-stage recorder in SW $\frac{1}{4}$ Section 35, Township 27 North, Range 9 West, 50 feet downstream from bridge on State Highway 108, $\frac{3}{4}$ mile north of Ewing and 1 $\frac{1}{2}$ miles upstream from South Fork Elkhorn River.

ELKHORN RIVER AT EWING—Concluded

RECORDS AVAILABLE:—August 1947 to September 1948.

EXTREMES:—Maximum discharge during period August 1947 to September 1948, 193 second-feet June 29; maximum gage height, 2.86 feet March 9 (backwater from ice); minimum daily discharge, 28 second-feet September 17-19, 1948.

REMARKS:—Records good except for periods of ice effect November 22 to December 31, 1947, January 1-31, February 1-17, 20-26, March 1-16, 1948, which are poor.

ELKHORN RIVER, SOUTH FORK, AT EWING

LOCATION:—Staff gage in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 2, Township 26 North, Range 9 West, at bridge on State Highway 108 at southeast edge of Ewing.

RECORDS AVAILABLE:—July 1947 to September 1948.

EXTREMES:—The period July 1947 to September 1948: Maximum discharge not determined; minimum daily, 15 second-feet January 4-6, 16.

Discharge measurement of 1,020 second-feet obtained June 26, 1947. Flood of June 22, 1947 is believed to be greatest known (stage and discharge not determined).

REMARKS:—Records poor.

ELKHORN RIVER AT NELIGH

LOCATION:—Water-stage recorder in Section 20, Township 25 North, Range 6 West, at Neligh, just downstream from bridge on State Highway 14.

DRAINAGE AREA:—2,200 square miles of which only about 1,800 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—March 1931 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, about 12,000 second-feet June 23 (gage height, 12.53 feet), from main channel rating curve extended above 4,900 second-feet and field estimation of flow through highway break; minimum daily, 60 second-feet December 18.

Water year 1948: Maximum discharge, 879 second-feet August 11 (gage height, 5.05 feet); minimum daily, 76 second-feet September 17.

1931-48: Maximum discharge, that of June 23, 1947; minimum daily, 12 second-feet July 2, 1932.

REMARKS:—Records good except those for periods of ice effect, December 17-31, 1946, January 1 to March 7, November 20-26, December 6-31, 1947, January 1-31, February 1-17, 20-26, March 2-8, 11-14, 1948, and those for period of indefinite stage-discharge relation due to break in highway fill, June 23 to July 1, 1948, which are poor.

ELKHORN RIVER AT NORFOLK

LOCATION:—Water-stage recorder in NW¼NW¼ Section 3, Township 23 North, Range 1 West, 250 feet downstream from bridge on U. S. Highway 81, 1 mile south of Norfolk and 3¾ miles upstream from North Branch. Prior to August 15, 1947, there was a wire weight gage 250 feet upstream at same datum.

DRAINAGE AREA:—2,790 square miles of which only about 2,400 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—October 1945 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 12,600 second-feet, June 26 (gage height, 11.1 feet, from graph based on gage readings); minimum daily, 128 second-feet, September 1.

Water year 1948: Maximum discharge not determined; maximum gage height, 12.25 feet February 28 (backwater from ice); minimum daily discharge, 130 second-feet September 17-18.

1945-48: Maximum discharge, that of June 26, 1947; maximum gage height, that of February 28, 1948; minimum daily discharge, 60 second-feet December 10, 11, 1945.

REMARKS:—Records fair except those for periods of ice effect December 17, 1946 to March 21, 1947, and those for period of indefinite stage-discharge relation water year 1948, which are poor.

ELKHORN RIVER AT WATERLOO

Location:—Water-stage recorder in SE¼ Section 21, Township 16 North, Range 10 East, just downstream from Rawhide Creek and 3½ miles north of Waterloo.

DRAINAGE AREA:—6,900 square miles of which only about 6,500 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—July 1940 to September 1948. May 1911 to July 1913, (fragmentary), October 30, 1930 to July 1940, site at Waterloo, 4½ miles downstream. April 1899 to November 1903, and July 1913 to September 1915, (fragmentary) at site 10 miles upstream published as Elkhorn River at (or near) Arlington.

EXTREMES:—Water year 1947: Maximum discharge, 14,100 second-feet June 13 (gage height, 7.16 feet); minimum daily, 230 second-feet December 29.

Water year 1948: Maximum discharge not determined (occurred during period of ice effect); maximum gage height, 8.25 feet March 19 (backwater from ice); minimum daily discharge, 290 second-feet December 10.

1911-13, 1930-48:—Maximum discharge, 100,000 second-feet June 12, 1944 (gage height, 16.6 feet), from flood mark in gage well), from current meter measurement of main channel and velocity-area studies of overflow section; minimum observed, 50 second-feet November 12, 1940.

ELKHORN RIVER AT WATERLOO—Concluded

REMARKS:—Records good except for periods of ice effect, December 28-31, 1946, January 1 to March 21, November 23-26, December 8-31, 1947, January 1-31, February 1-19, 27, March 6-19, 1948, and periods of doubtful or no gage-height record, March 27 to April 9, August 6 to September 10, September 13, 14, 16, 20, 21, 26-28, 1947, which are fair.

ELM CREEK NEAR OVERTON

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 17, Township 10 North, Range 19 West, 250 feet downstream from county highway bridge, and 7 $\frac{3}{4}$ miles northeast of Overton.

DRAINAGE AREA:—31.3 square miles.

RECORDS AVAILABLE:—September 1946 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, about 8,000 second-feet June 22 (gage height 19.65), by velocity-area studies; no flow on many days.

Water year 1948: Maximum discharge, 747 second-feet, June 27 (gage height 14.59 feet); no flow on many days.

1946-48: Maximum discharge, that of June 22, 1947; no flow on many days.

REMARKS:—Records poor.

FRENCHMAN RIVER BELOW CHAMPION

LOCATION:—Water-stage recorder in SW $\frac{1}{4}$ Section 22, Township 6 North, Range 39 West, 0.4 mile downstream from bridge on State Highway 48 at Champion and $\frac{3}{4}$ mile upstream from Sand Creek.

DRAINAGE AREA:—940 square miles of which only 570 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—March 1935 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 651 second-feet June 24 (gage height, 5.24 feet), minimum daily, 10 second-feet August 7.

Water year 1948: Maximum discharge 99 second-feet, March 17 (gage height 2.08 feet); minimum daily, 24 second-feet May 26-28, 30, August 13.

1935-48:—Maximum discharge, 11,600 second-feet June 7, 1940 (gage height, 13.7 feet), by slope-area method; minimum daily, 5 second-feet March 27, 29, April 3, July 3, 1938.

REMARKS:—Records good except those for period of ice effect, February 7, 8, 1947, or no gage-height record August 15, 16, 1948, which are fair.

FRENCHMAN RIVER NEAR IMPERIAL

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 3, Township 5 North, Range 38 West, $\frac{1}{4}$ mile downstream from county highway bridge and 6 miles south of Imperial. (Formerly published as Frenchman River near Harvey Dam site).

RECORDS AVAILABLE:—October 1940 to September 1948. January 1924 to December 1930, at site 2 miles upstream.

EXTREMES:—Water year 1947: Maximum discharge, 208 second-feet June 24 (gage height, 2.31 feet); minimum daily, 35 second-feet December 29.

Water year 1948: Maximum discharge, 200 second-feet June 27; maximum gage height, 2.13 feet February 11 (backwater from ice); minimum daily discharge, 48 second-feet May 23, 27, July 29.

1924-30, 1940-48: Maximum discharge, 1,860 second-feet June 14, 1943 (gage height, 7.00 feet); an observation of no flow was made June 27, 1929.

REMARKS:—Records good for 1947 water year except for periods of ice effect January 30, 31, or no gage-height record December 28 to January 6, which are fair. Records fair for 1948 water year except for period of ice effect February 11-13, which are poor.

FRENCHMAN RIVER NEAR ENDERS

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 10, Township 5 North, Range 37 West, $\frac{1}{2}$ mile downstream from Enders Dam, and 2 $\frac{1}{2}$ miles southeast of Enders. Prior to June 14, 1948, at site 800 feet upstream at datum 1.03 feet higher.

DRAINAGE AREA:—1,300 square miles of which only 820 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—February 1946 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 236 second-feet June 25 (gage height 4.35 feet), from rating curve extended above 110 second-feet; minimum daily, 53 second-feet December 29.

Water year 1948: Maximum discharge, 188 second-feet February 13 (gage height, 3.88 feet), site and datum then in use; minimum daily, 56 second-feet February 11.

1946-48: Maximum discharge, 244 second-feet September 12, 1946 (gage height, 4.50 feet, former site and datum); minimum daily, 53 second-feet June 17, 18, August 10, December 29, 1946.

REMARKS:—Records good except those for periods of ice effect, December 28-31, 1946, January 1-4, 31, February 1-2, March 1-2, 1947, or fragmentary gage-height record, December 3-15, 1946, May 11-14, 1947, which are fair, or no gage height record, June 3-13, July 26-31, August 1-2, 1948, which are poor.

FRENCHMAN RIVER NEAR HAMLET

LOCATION:—Water-stage recorder in NW¼ Section 29, Township 5 North, Range 34 West, 120 feet downstream from county highway bridge, and 1½ miles east of Hamlet. Datum of gage is 2,797.61 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—1,480 square miles of which only 960 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—October 1930 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 1,000 second-feet October 4 (gage height 7.45 feet); minimum daily, 50 second-feet December 31, January 1.

Water year 1948: Maximum discharge, 195 second-feet July 14; maximum gage height, 3.35 feet February 16 (backwater from ice); minimum daily, 71 second-feet August 30, September 1.

1930-48: Maximum discharge, 2,400 second-feet June 7, 1940 (gage height 10.95 feet, site and datum then in use); minimum daily, 49 second-feet November 21, 1931.

REMARKS:—Records good except those for periods of ice effect, December 29, 1946 to January 12, 1947, January 30 to February 14, 1947, January 26 to February 18, 1948 or no gage-height record November 10-11, 1946, which are poor.

FRENCHMAN RIVER AT CULBERTSON

LOCATION:—Chain gage in Section 17, Township 3 North, Range 31 West, at the Culbertson bridge on State Highway 17 and 1½ miles upstream from mouth. Datum of gage is 2,561.93 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—3,090 square miles of which only 1,570 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—January 1922 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 1,180 second-feet October 6 (gage height, 5.52 feet, from graph based on gage readings); minimum daily, 20 second-feet September 5, 7, 9.

Water year 1948: Maximum discharge, 654 second-feet May 30 (gage height 4.43 feet from graph based on gage readings) minimum daily, 16 second-feet September 16.

1922-48: Maximum discharge, 15,000 second-feet (estimated) May 31, 1935; no flow August 19-25, 1929.

REMARKS:—Records good except those for periods of ice effect, December 29, 1946 to January 24, 1947, January 30 to February 8, 1947, January 26 to February 18, 1948, which are poor.

GORDON CREEK NEAR SIMEON

LOCATION:—Staff gage in Section 4, Township 30 North, Range 29 West, at county bridge 1 mile southwest of Simeon and 20 miles southwest of Valentine.

RECORDS AVAILABLE:—January to September 1948.

EXTREMES:—Maximum discharge observed during period January 10 to September 1948, 21 second-feet March 23 (gage height, 2.48 feet); no flow on many days.

REMARKS:—Records poor.

HORSE CREEK NEAR LYMAN

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ Section 25, Township 23 North, Range 58 West, 250 feet upstream from county highway bridge, $\frac{3}{4}$ mile upstream from mouth, 1 mile downstream from Kiowa drain, and 3 $\frac{1}{4}$ miles northeast of Lyman.

DRAINAGE AREA:—1,860 square miles.

RECORDS AVAILABLE:—January 1921 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 790 second-feet June 21 (gage height 4.57 feet), minimum daily, 15 second-feet March 5.

Water year 1948: Maximum discharge, 754 second-feet June 17 (gage height, 4.52 feet); minimum daily, 16 second-feet May 7-12.

1921-48: Maximum discharge, 1,970 second-feet May 19, 1938, (site then in use), from rating curve extended above 850 second-feet; minimum daily, 1 second-foot January 4-8, 1942.

REMARKS:—Records good except those for periods of ice effect, December 28-31, 1946, January 1-6, 14-18, January 30 to February 11, February 27 to March 5, 1947, February 11-14, March 10-13, 1948 or no gage height January 20-31, February 1, 3, April 4, 1948, which are poor.

LODGEPOLE CREEK AT BUSHNELL

LOCATION:—Water-stage recorder in Section 33, Township 15 North, Range 57 West, $\frac{1}{4}$ mile south of U. S. Highway 30 and 1 $\frac{1}{2}$ miles east of Bushnell. Datum of gage is 4,812.3 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—1,090 square miles.

RECORDS AVAILABLE:—January 1925 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge observed, 22 second-feet June 23 (gage height, 2.08 feet); minimum daily, 6.3 second-feet October 30, November 3.

Water year 1948: Maximum gage height, 7.37 feet July 14, discharge not determined; minimum daily 5.3 second-feet June 13, 14, 15.

LOGEPOLE CREEK AT BUSHNELL—Concluded

1925-1948: Maximum gage height, that of July 14, 1948; minimum daily, 2 second-feet April 11, 1935.

REMARKS:—Records good except those for June 14 to July 2, 1947, which are fair, and those for no gage-height record October 3-18, 1946, or ice effect January 31 to February 4, 1947, which are poor.

LOGAN CREEK NEAR UEHLING

LOCATION:—Water-stage recorder and chain gage on south line of SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 9, Township 20 North, Range 8 East, at county highway bridge, 2 miles southwest of Uehling and 8 miles upstream from mouth.

DRAINAGE AREA:—1,030 square miles.

RECORDS AVAILABLE:—March 1941 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 3,160 second-feet June 13; maximum gage height 9.74 feet March 13 (backwater from ice); minimum daily discharge, 30 second-feet December 16.

Water year 1948: Maximum discharge, 6,000 second-feet February 28; maximum gage height, 13.5 feet February 18 (backwater from ice); minimum daily recorded, 35 second-feet November 24.

1941-48: Maximum discharge, 13,700 second-feet June 11, 1944 (gage height 17.65 feet, from flood marks), from rating curve above 5,800 second-feet by area-velocity studies; minimum daily, 14 second-feet December 28, 1941, November 27, 1942.

Maximum stage known, 18.6 feet, from floodmarks, June 5, 1940 (discharge 20,000 second-feet).

REMARKS:—Records good except those for periods of ice effect, November 25 to December 31, 1946, January 1 to March 25, November 11-13, 22-25, December 1-31, 1947, January 1 to February 18, 21-27, March 1-14, 1948, or no gage height record, November 7-11, 15-17-20-24, 1946, November 14-18, 26-30, 1947, February 19, 20, 29, March 17-23, April 13-18, June 5-14, July 4-15, 30, August 11, 12, 16-22, September 21-30, 1948, all of which are poor.

LONG PINE CREEK NEAR RIVERVIEW

LOCATION:—Water-stage recorder in N $\frac{1}{2}$ Section 5, Township 31 North, Range 20 West, 75 feet upstream from county highway bridge, 5 $\frac{1}{2}$ miles southwest of Riverview, and 10 $\frac{1}{2}$ miles north of Long Pine.

DRAINAGE AREA:—390 square miles.

RECORDS AVAILABLE:—April to September 1948.

EXTREMES:—Period April to September 1948: Maximum discharge, 229 second-feet July 12 (gage height 3.07 feet); minimum daily, 78 second-feet September 20.

REMARKS:—Records good except for period of no gage height record, June 23-28, which are fair.

LOUP RIVER NEAR GENOA

LOCATION:—Water-stage recorder in NW¼ Section 25, Township 17 North, Range 4 West, at bridge on State Highway 39, 2 miles south of Genoa, 3 miles upstream from Beaver Creek, and 6 miles downstream from diversion dam of Loup River Public Power District.

DRAINAGE AREA:—(Revised) 14,440 square miles of which only about 6,000 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—October 1930 to June 1932, October 1943 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 90,000 second-feet June 23 (gage height, 10.12 feet) from rating curve extended above 32,000 second-feet by logarithmic plotting; minimum daily, 7 second-feet February 3, 4.

Water year 1948: Maximum discharge, not determined; minimum daily, 15 second-feet June 8-11.

1930-32, 1943-48: Maximum discharge, that of June 23, 1947; minimum daily, that of February 3, 4, 1947.

REMARKS:—Records fair except those for periods of ice effect, December 30-31, 1946, January 1 to March 8, December 8-15, 30-31, 1947, January 1-10, 13-31, February 1-27, 29, March 1-14, 1948, or no gage height record July 12, 14, 27-31, August 1-18, 21, September 2, 14-19, 28-30, October 1 to November 7, 1947, March 20-23, July 1-9, August 6-12, 19-30, September 1-7, 1948, or indefinite stage-discharge relation, March 15-19, June 17-21, 1948, which are poor.

LOUP RIVER AT COLUMBUS

LOCATION:—Wire-weight gage in Section 30, Township 17 North, Range 1 East, at bridge on U. S. Highway 30 at Columbus, 3½ miles upstream from mouth, and 14 miles downstream from Looking Glass Creek. Datum of gage is 1,432.39 feet above mean sea level, unadjusted.

DRAINAGE AREA:—(Revised) 15,230 square miles of which only 6,530 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—January 1895 to September 1915, March to September 1931, October 1933 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 85,000 second-feet June 23 (gage height, 10.0 feet, from flood mark), from rating curve extended above 21,000 second-feet by logarithmic plotting; minimum daily, 60 second-feet January 7-8.

Water year 1948: Maximum discharge observed, 31,000 second-feet February 29; maximum gage height, 6.71 feet February 28 (backwater from ice); minimum daily discharge, 123 second-feet September 30.

1895-1915, 1931, 1933-48: Maximum discharge, that of June 23, 1947; minimum daily, 20 second-feet February 2-6, 1945.

REMARKS:—Records fair except those for periods of ice effect, December 30, 1946 to February 16, 1947, February 20 to March 8, 1947, January 23 to February 28, 1948, which are poor.

LOUP RIVER, MIDDLE, NEAR SENECA

LOCATION:—Water-stage recorder in SW $\frac{1}{4}$ Section 17, Township 24 North, Range 31 West, $\frac{1}{4}$ mile north of Kelso siding on Chicago, Burlington and Quincy Railroad, 5 miles west of Seneca.

DRAINAGE AREA:—1,140 square miles of which only 60 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—April to September 1948.

EXTREMES:—Maximum discharge during period April 22 to September 30, 1948, 307 second-feet August 12 (gage height 1.75 feet); minimum daily, 152 second-feet September 9.

REMARKS:—Records good.

LOUP RIVER, MIDDLE, AT DUNNING

LOCATION:—Water-stage recorder in SW $\frac{1}{4}$ Section 33, Township 22 North, Range 24 West, just downstream from county highway bridge at north edge of Dunning. Datum of gage is 2,607.17 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—1,760 square miles of which about 80 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—September 1945 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 821 second-feet October 4; maximum gage height, 5.96 feet January 31 (backwater from ice); minimum daily discharge, 220 second-feet February 19.

Water year 1948: Maximum discharge, 557 second-feet March 14 (may have been exceeded during ice break up February 19); maximum gage height, 6.10 feet March 11 (backwater from ice); minimum daily discharge, 150 second-feet February 11, March 11.

1945-48: Maximum discharge, 821 second-feet October 4, 1946; maximum gage height observed, 6.60 feet February 6, 1946 (backwater from ice); minimum daily discharge, that of February 11, March 11, 1948.

REMARKS:—Records fair except those for periods of ice effect, December 28-31, 1946, January 1 to February 27, November 21-23, 1947, January 28-31, February 1-19, 22, March 11-13, 1948, which are poor.

LOUP RIVER, MIDDLE, AT WALWORTH

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 1, Township 19 North, Range 20 West, at county highway bridge, $\frac{1}{4}$ mile northeast of Walworth.

DRAINAGE AREA:—(Revised) 4,430 square miles of which only 430 square miles contribute directly to surface runoff.

LOUP RIVER, MIDDLE, AT WALWORTH—Concluded

RECORDS AVAILABLE:—October 1940 to September 1942, July 1943 to September 1948, December 1936 to December 1938, at site 1 mile downstream, published as Loup River, Middle, at Sargent.

EXTREMES:—Water year 1947: Maximum discharge, 2,990 second-feet October 5; maximum gage height, 5.42 feet February 26 (back-water from ice); minimum daily, 280 second-feet February 24.

Water year 1948: Maximum daily discharge, 1,320 second-feet February 17; minimum daily, 340 second-feet March 11.

1936-38, 1940-42, 1943-48: Maximum discharge, that of October 5, 1946, minimum daily, 135 second-feet December 7, 1937.

REMARKS:—Records fair except those for periods of ice effect, November 10, December 17-31, 1946, January 1 to March 20, November 22-27, December 1-31, 1947, January 1 to March 18, 1948, which are poor.

LOUP RIVER, MIDDLE, AT ARCADIA

LOCATION:—Water-stage recorder in Section 26, Township 17 North, Range 16 West, just downstream from bridge on State Highway 57 at southwest edge of Arcadia.

DRAINAGE AREA:—(Revised) 4,730 square miles of which only 830 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—July 1937 to September 1948.

EXTREMES:—Water year 1947: Maximum gage height, 6.24 feet June 22, 1947 (discharge not determined); minimum daily discharge, 401 second-feet August 15, 18, 19.

Water year 1948: Maximum daily discharge, 1,900 second-feet February 18; minimum daily, 260 second-feet January 1.

1937-48: Maximum gage height that of June 22, 1947; minimum daily, 92 second-feet December 11, 1941.

REMARKS:—Records fair except those for periods of ice effect, December 17-31, 1946, January 1 to March 22, November 21-27, December 4-31, 1947, January 1 to March 17, 1948, doubtful or no gage height record, May 16, October 21-28, 1947, March 18-27, April 8-11, 15-19, May 27, 29, August 8, 14, 15, all of which are poor.

LOUP RIVER, MIDDLE, AT ST. PAUL

LOCATION:—Water-stage recorder in Section 10, Township 14 North, Range 10 West, at St. Paul, 600 feet upstream from bridge on U. S. Highway 281 and 6 miles upstream from confluence with North Loup River. Datum of gage is 1776.6 feet above mean sea level, datum of 1929 (datum previously referred to Union Pacific Railroad datum). Prior to June 23, 1947, water-stage recorder 300 feet upstream, at datum 2.00 feet higher. From June 26, 1947 to July 25, 1947, staff gage at railroad about 600 feet downstream at different datum.

LOUP RIVER, MIDDLE, AT ST. PAUL—Concluded

DRAINAGE AREA:—(Revised) 7,720 square miles of which only 3,200 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—May 1895 to October 1897, April to October 1899, April to November 1903, August 1928 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 72,000 second-feet June 23 (gage height 10.69 feet); minimum daily, 170 second-feet January 29.

Water year 1948: Maximum gage-height, 7.48 feet March 16 (backwater from ice); minimum daily discharge, 531 second-feet, May 22.

1895-97, 1899, 1903, 1928-48: Maximum discharge, that of June 23, 1947; minimum daily, 102 second-feet, January 8, 1937.

REMARKS:—Records fair except those for periods of ice effect, November 9-14, 16, December 13-31, 1946, January 1 to March 21, November 23-27, December 3-31, 1947, January 1 to March 16, 1948, which are poor.

LOUP RIVER, NORTH, AT BREWSTER

LOCATION:—Staff gage in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 27, Township 23 North, Range 22 West, at bridge on State Highway 7 at Northeast limits of Brewster. Datum of gage is 2467.7 feet above mean level, datum of 1929.

DRAINAGE AREA:—1,890 square miles of which only about 140 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—September 1945 to September 1948.

EXTREMES:—Water year 1947: Maximum gage height observed 3.84 feet, February 2, discharge not determined (backwater from ice); minimum daily discharge, 190 second-feet December 30, February 1.

Water year 1948: Maximum gage height observed 3.42 feet, February 17, 18 (backwater from ice); minimum daily discharge, 100 second-feet January 26.

1945-48: Maximum gage height, that of February 2, 1947; minimum daily discharge that of January 26, 1948.

REMARKS:—Records fair except those for periods of ice effect December 17-19, December 27, 1946 to February 18, 1947, February 20 to March 10, November 21-25, December 7-21, December 29, 1947 to January 3, 1948, January 18 to March 15, 1948, which are poor.

LOUP RIVER, NORTH, AT TAYLOR

LOCATION:—Water-stage recorder in Section 22, Township 21 North, Range 18 West, at north edge of Taylor, 450 feet upstream from bridge on U. S. Highway 83.

DRAINAGE AREA:—(Revised) 2,210 square miles of which only about 180 square miles contribute directly to surface runoff.

LOUP RIVER, NORTH, AT TAYLOR—Concluded

RECORDS AVAILABLE:—November 1936 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 1,710 second-feet October 5; maximum gage height, 7.80 feet February 21 (back-water from ice); minimum daily discharge, 133 second-feet August 12.

Water year 1948: Maximum gage height, 7.39 feet March 9 (ice jam), discharge not determined; minimum daily discharge, 140 second-feet September 1.

1936-48: Maximum discharge, 2,480 second-feet September 2, 1942; maximum gage height, that of February 21, 1947; minimum daily discharge, 45 second-feet July 26, 1941.

REMARKS:—Records good except those for periods of ice effect December 28, 1946 to March 18, 1947, November 21-25, 1947, December 4, 1947 to March 15, 1948, which are poor.

LOUP RIVER, NORTH, AT SCOTIA

LOCATION:—Water-stage recorder in SW $\frac{1}{4}$ Section 8, Township 17 North, Range 12 West, 30 feet downstream from railroad trestle and 0.9 mile southwest of Scotia. Datum of gage is 1,893.33 feet above mean sea level, datum of 1929, tentative adjustment.

DRAINAGE AREA:—(Revised) 4,100 square miles of which only about 910 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—November 1936 to September 1948.

EXTREMES:—Water year 1947: Maximum gage height, 818 feet June 22 (discharge not determined); minimum daily discharge, 185 second-feet August 12.

Water year 1948: Maximum discharge, 16,100 second-feet June 16 (gage height 6.14 feet); minimum daily, 235 second-feet September 2.

1936-48: Maximum gage height, that of June 22, 1947; minimum daily discharge, 105 second-feet August 7, 1941.

REMARKS:—Records fair except those above 1,500 second-feet, those for periods of ice effect, December 1-3, 13-20, 1946, December 28, 1946 to March 21, 1947, November 21-22, 1947, December 4, 1947 to March 21, 1948, or no gage height record, April 23-26, 1948, which are poor.

LOUP RIVER, NORTH, NEAR ST. PAUL

LOCATION:—Water-stage recorder in Section 22, Township 15 North, Range 10 West, 60 feet downstream from bridge on U. S. Highway 281, 3 miles north of St. Paul, and 4 miles upstream from confluence with Middle Loup River.

DRAINAGE AREA:—(Revised) 4,460 square miles of which only about 1,270 square miles contribute directly to surface runoff.

LOUP RIVER, NORTH, NEAR ST. PAUL—Concluded

RECORDS AVAILABLE:—May 1895 to October 1897, April to October 1899, April to December 1903, August 1928 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 36,000 second-feet June 22 (gage height 6.60 feet); minimum daily, 196 second-feet August 13.

Water year 1948: Maximum discharge, 11,600 second-feet June 17; maximum gage height, 4.95 feet February 27 (backwater from ice); minimum daily, 170 second-feet January 1.

1895-97, 1899, 1903, 1928-46: Maximum discharge, 90,000 second-feet (estimated) June 6, 1896; minimum daily, 85 second-feet August 8, 1941.

REMARKS:—Records good except those above 2,000 second-feet which are fair; and those for periods of ice effect December 17-18, 1946, December 24, 1946 to March 23, 1947; November 22-26, 1947, December 3, 1947 to March 14, 1948, which are poor.

LOUP RIVER, SOUTH, NEAR CUMRO

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5, Township 12 North, Range 18 West, at bridge on county road, 600 feet downstream from Cat Creek, and 6 $\frac{1}{2}$ miles southeast of Cumro.

DRAINAGE AREA:—1,340 square miles of which about 700 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—May 1946 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 7,200 second-feet June 22 (gage height 10.90 feet); minimum daily, 70 second-feet December 30.

Water year 1948: Maximum discharge, 1,470 second-feet March 15; maximum gage height, 6.44 feet March 14 (backwater from ice); minimum daily discharge, 90 second-feet September 16-17.

1946-48: Maximum discharge, that of June 22, 1947; maximum gage height, that of March 14, 1948; minimum daily discharge, that of December 30, 1946.

REMARKS:—Records good except those for periods of ice effect, December 28-31, 1946, January 1 to March 11, March 14-16, November 21-25, December 4-7, 11-31, 1947, January 1-8, 18, 19, 22-26, February 1-15, March 10-14, 1948, or no gage-height record, October 10-13, November 7-9, 1946, June 29, 1947, January 27-31, February 16-25, March 16-23, August 19-24, September 8-21, 1948, which are poor.

LOUP RIVER, SOUTH, AT RAVENNA

LOCATION:—Wire-weight gage on line between Sections 16 and 17, Township 12 North, Range 14 West, at county bridge, $\frac{3}{4}$ mile south of Ravenna and 1 mile upstream from Mud Creek.

DRAINAGE AREA:—1,660 square miles of which only 890 square miles contribute directly to surface runoff.

LOUP RIVER, SOUTH, AT RAVENNA—Concluded

RECORDS AVAILABLE:—October 1940 to September 1948.

EXTREMES:—Water year 1947: Maximum gage-height 12.6 feet, June 22, from floodmark (discharge not determined), minimum daily discharge, 35 second-feet December 30.

Water-year 1948: Maximum gage-height and discharge not determined; minimum daily discharge, 85 second-feet January 13, September 16.

1940-48: Maximum gage-height, that of June 22, 1947, minimum daily discharge, 28 second-feet, March 6, 1945.

REMARKS:—Records for water year 1947 fair, except those for periods of ice effect December 19, 1946, December 28, 1946 to March 19, 1947, those for periods for which stage discharge relation is indefinite October 5-8, 1946, April 25-30, May 2-7, June 27 to July 2, July 10-16, 1947 and those for periods of doubtful or no gage-height record July 4-5, 26-29, August 2-5, 26-30, September 2, 21, 1947 which are poor. Records for water year 1948 are poor.

LOUP RIVER, SOUTH, AT ST. MICHAEL

LOCATION:—Wire-weight gage in NW $\frac{1}{4}$ Section 12, Township 12 North, Range 13 West, at county highway bridge, 0.8 mile northeast of St. Michael, and five miles upstream from Sweet Creek. Prior to June 23, 1947, water-stage recorder at same site and datum.

DRAINAGE AREA:—2,560 square miles of which only 1,650 (revised) square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—October 1943 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge and gage height not determined (occurred June 22); minimum daily discharge, 70 second-feet December 29.

Water year 1948: Maximum discharge observed, 6,350 second-feet March 16 (gage height, 7.26 feet); minimum daily, 101 second-feet September 17, 18.

1943-48: Maximum discharge and gage height, that of June 22, 1947; minimum daily discharge, 40 second-feet February 11, 1944, March 6, 1945.

REMARKS:—Records fair except for periods of ice effect, November 10-12, December 17-20, 28-31, 1946, January 1-31, February 1-16, 19-28, March 1-11, 15-21, December 4-31, 1947, January 1 to February 27, March 11-13, 1948, or no gage-height record, June 22-23, 1947, or indefinite stage-discharge relation, July 17-18, 1947, which are poor.

MEDICINE CREEK AT CAMBRIDGE

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 19, Township 4 North, Range 25 West, 50 feet upstream from county highway bridge, $\frac{1}{2}$ mile north of Cambridge and 2 $\frac{1}{2}$ miles upstream from mouth. October 1, 1946 to June 21, 1947, water-stage recorder two miles downstream at U. S. Highway 6; June 22, 1947 to May 1, 1948, wire-weight gage 1 $\frac{3}{4}$ miles downstream.

DRAINAGE AREA:—1,070 square miles of which only about 680 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—January 1925 to September 1931, December 1936 to September 1943, October 1944 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 120,000 second-feet June 22 (gage height, 21.5 feet from floodmarks, site and datum then in use), by slope-area method; minimum daily, 10 second-feet September 7 (estimated), caused by diversion dam placed above gage.

Water year 1948: Maximum discharge, 38,600 second-feet June 21 (gage height, 22.42 feet); minimum daily, 20 second-feet December 31, January 1, 2, 13, 17.

1925-31, 1936-43, 1944-48: Maximum discharge, that of June 22, 1947; minimum daily, 6 second-feet January 30, 1938.

REMARKS:—Records good October 1, 1946 to June 21, 1947, except those for periods of ice effect November 9-15, December 29 to February 16, February 20 to March 9, records poor June 22 to September 30, 1947; records fair October 1, 1947 to September 30, 1948, except those periods of ice effect December 11 to February 26, March 4-15, or no gage-height record June 8-11, which are poor.

MINNECHADUZA CREEK AT VALENTINE

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 30, Township 34 North, Range 27 West, 500 feet downstream from power plant in city park at Valentine.

RECORDS AVAILABLE:—December 1947 to September 1948.

EXTREMES:—Maximum discharge (regulated) during the period December 19, 1947 to September 1948, 140 second-feet March 20; maximum gage-height, 2.96 feet January 5; minimum daily discharge, 6 second-feet August 27, 31, September 16.

REMARKS:—Records good.

MUD CREEK NEAR SWEETWATER

LOCATION:—Water-stage recorder in N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 3, Township 12 North, Range 15 West, at bridge on State Highway 2 and 1 mile southeast of Sweetwater.

DRAINAGE AREA:—678 square miles.

RECORDS AVAILABLE:—July 1946 to September 1948.

MUD CREEK NEAR SWEETWATER—Concluded

EXTREMES:—Water year 1947: Maximum gage-height, 23.20 feet June 22, (discharge not determined); minimum daily discharge, 14 second-feet October 3.

Water year 1948: Maximum discharge, 2,940 second-feet March 16 (gage height, 17.70 feet); minimum daily discharge, 13 second-feet, September 16.

1946-48: Maximum gage height and discharge occurred on June 22, 1947; minimum daily discharge 2.2 second-feet August 2, 3, 1946.

REMARKS:—Records for water year 1947 are good except those above 1,500 second-feet, and those for periods of ice effect, November 10-13, 25, 26, December 17, 1946 to February 14, 1947, February 18-28, March 1-22, 1947, which are poor. Records for water year 1948 are fair except those above 1,500 second-feet and those for periods of ice effect, December 5-17, 1947, December 31, 1947 to January 3, 1948, January 12-31, February 1-15, 22-25, or no gage-height record, March 1-13, 25-31, April 1-4, 6, 25, July 4-6, August 2, 1948, which are poor.

NEMAHA RIVER AT FALLS CITY

LOCATION:—Wire-weight gage on line between Sections 22 and 23, Township 1 North, Range 16 East, at bridge on U. S. Highway 73, 1 mile south of Falls City and about 13 miles upstream from mouth. Datum of gage is 861.24 feet above mean sea level, datum of 1929, supplementary adjustment of 1943, tentative (levels by Corps of Engineers, U. S. Army).

DRAINAGE AREA:—(Revised) 1,340 square miles.

RECORDS AVAILABLE:—March 1944 to September 1948.

EXTREMES:—Water year 1947: Minimum discharge, 26,100 second-feet June 12 (gage-height, 25.65); minimum daily, 25 second-feet December 29, 31, January 1-3.

Water year 1948: Maximum observed discharge, 14,000 second-feet March 19 (gage-height, 19.76); minimum daily, 25 second-feet January 24-25, January 27 to February 1.

1944-48: Maximum discharge, 27,300 second-feet September 4, 1946 (gage height, 25.77 feet); minimum daily, 8 second-feet July 15, 1946.

REMARKS:—Records fair except those for periods of ice effect, December 17-21, 28-31, 1946, January 1-16, 21, 22, 30, 31, February 1-15, 19-21, 24-28, March 1-7, November 23-25, December 9-21, 31, 1947, January 1-31, February 1-18, 20-23, March 5-15, 1948, or periods of no gage-height record, September 3-7, 1948, which are poor.

NEW YORK CREEK AT HERMAN

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 32, Township 20 North, Range 11 East, about 350 feet downstream from bridge on U. S. Highway 73, and $\frac{1}{2}$ mile southwest of Herman.

DRAINAGE AREA:—(Revised) 29.7 square miles.

RECORDS AVAILABLE:—May 1946 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge 2,910 second-feet June 12 (gage height, 17.0 feet); no flow January 1-6.

Water year 1948: Maximum discharge 2,520 second-feet September 2 (gage-height, 16.41 feet); minimum daily, 0.1 second-foot January 27, 28, August 23-25.

1946-48: Maximum discharge, that of June 12, 1947; no flow January 1-6, 1947.

REMARKS:—Records fair except those for periods of ice effect, November 9-14, 17-18, 21-30, December 1, 1946 to March 22, 1947, January 1 to February 26, March 1-16, 1948 or periods of no gage-height record, May 16-18, 20, 21, June 8-11, 13-17, 23-26, July 11 to August 25, December 12-31, 1947, April 8-10, 12-18, May 7 to June 5, July 11-13, 1948 or periods of indefinite stage-discharge relationship June 9-11, August 23-26, 1948, all of which are poor.

NINE MILE DRAIN NEAR MCGREW

LOCATION:—Water-stage recorder near southeast corner of Section 23, Township 21 North, Range 53 West, 15 feet upstream from county highway bridge, $\frac{1}{2}$ mile upstream from mouth, and 1 $\frac{1}{2}$ miles north of McGrew.

RECORDS AVAILABLE:—October 1930 to September 1948 (formerly published as Nine Mile Drain near Minatare), April 1919 to October 1923, at site 8 miles north in Section 16, Township 22 North, Range 53 West.

EXTREMES:—Water year 1947: Maximum discharge observed, 524 second-feet June 29 (gage height, 4.52 feet); minimum daily, 75 second-feet April 21.

Water year 1948: Maximum discharge, 554 second-feet June 17 (gage height, 4.62 feet); minimum daily, 73 second-feet April 28, 29.

1930-48: Maximum discharge, 644 second-feet August 8, 1945 (gage height, 5.17 feet); minimum daily, 51 second-feet, July 25, 1934.

REMARKS:—Records good except those for periods of ice effect, February 8-10, 1947, or no gage-height record, January 5-8, 1947, or those computed from staff gage readings, June 25 to July 1, 1947, which are fair.

NIOBRARA RIVER ABOVE BOX BUTTE RESERVOIR

LOCATION:—Staff gage in NE $\frac{1}{4}$ Section 27, Township 29 North, Range 50 West, about 5 miles above Box Butte Dam, and about 1 mile above high water line of Box Butte Reservoir.

DRAINAGE AREA:—1,500 square miles.

RECORDS AVAILABLE:—October 1945 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge observed, 570 second-feet June 17 (gage height, 7.00 feet), from rating curve extended above 200 second-feet; minimum daily discharge, 14 second-feet May 27, September 10.

Water year 1948: Maximum discharge observed, 280 second-feet June 17 (gage height, 6.54 feet); minimum daily, 7.0 second-feet September 3.

1945-48: Maximum discharge occurred September 7, 1946 (gage height and discharge not determined); minimum daily, that of September 3, 1948.

REMARKS:—Records good except those for periods of ice effect, December 16-18, 28-31, 1946, January 1-3, 14-16, 30-31, February 1, 3-5, 7-10, November 19-24, December 10-11, 31, 1947, January 1, 16-17, 19, 26-28, February 1, 4, 7-13, March 10-11, 1948, which are poor.

NIOBRARA RIVER BELOW BOX BUTTE DAM

LOCATION:—Water-stage recorder in SE $\frac{1}{4}$ Section 28, Township 29 North, Range 49 West, $\frac{1}{4}$ mile downstream from Box Butte Reservoir and 9 miles north of Hemingford.

DRAINAGE AREA:—1,520 square miles.

RECORDS AVAILABLE:—July 1940 to September 1948.

EXTREMES:—The flow is entirely regulated by Box Butte Dam, which was completed in October 1945.

REMARKS:—Records good except those for periods of no gage-height record, October 19-21, 23, 1946, June 16-17, 1947, which are fair.

NIOBRARA RIVER NEAR COLCLESSER

LOCATION:—Chain gage in Section 29, Township 30 North, Range 44 West, 1 $\frac{1}{2}$ miles west of Colclesser.

RECORDS AVAILABLE:—October 1947 to September 1948.

EXTREMES:—Maximum discharge observed, 1,480 second-feet June 17 (gage height, 5.80 feet), from rating curve extended above 250 second-feet by logarithmic plotting; minimum daily discharge, 10 second-feet February 6-12.

REMARKS:—Records poor.

NIOBRARA RIVER NEAR GORDON

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ Section 26, Township 31 North, Range 42 West, just downstream from bridge on State Highway 27, about 4 miles downstream from Rush Creek, and 11 miles south of Gordon. Datum of gage is 3434.49 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—2,595 square miles.

RECORDS AVAILABLE:—December 1945 to September 1948. January 1930 to September 1931, at site four miles downstream.

EXTREMES:—Water year 1947: Maximum discharge, 2,040 second-feet June 18 (gage height, 3.11 feet); minimum daily, 35 second-feet December 17.

Water year 1948: Maximum discharge, 5,410 second-feet June 17 (gage height, 4.47 feet); minimum daily, 58 second-feet September 5.

1930-31, 1945-48: Maximum discharge, that of June 17, 1948; minimum daily, that of December 17, 1946.

REMARKS:—Records poor.

NIOBRARA RIVER NEAR CODY

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 23, Township 33 North, Range 34 West, $\frac{1}{4}$ mile upstream from county bridge, and 10 miles south of Cody.

RECORDS AVAILABLE:—December 1947 to September 1948.

EXTREMES:—Period December 1947 to September 1948; maximum discharge, 4,340 second-feet June 18 (gage height, 5.70 feet); minimum daily, 146 second-feet January 17.

REMARKS:—Records good.

NIOBRARA RIVER NEAR SPARKS

LOCATION:—Water-stage recorder in SE $\frac{1}{4}$ Section 22, Township 34, North, Range 26 West, at bridge on State Highway 7, 2.2 miles downstream from Big Beaver Creek, 5 $\frac{1}{2}$ miles downstream from Minnehaduzza Creek, and 6 $\frac{1}{4}$ miles southwest of Sparks.

DRAINAGE AREA:—6,406 square miles.

RECORDS AVAILABLE:—December 1945 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 2,830 second-feet June 16; maximum gage height, 7.14 feet January 9 (backwater from ice); minimum daily discharge, 240 second-feet, December 19, 30.

Water year 1948: Maximum discharge, 3,570 second-feet August 11 (gage height, 5.23 feet); minimum daily, 486 second-feet January 28.

1945-48: Maximum discharge, that of August 11, 1948; maximum gage height, that of January 9, 1947; minimum daily discharge, 190 second-feet, December 15, 1945.

REMARKS:—Records good except those for periods of ice effect, December 17-20, 29-31, 1946, January 1 to March 11, 1947, or no gage height record, March 12-26, 1947, January 8-21, February 9-13, 1948, which are poor.

NIOBRARA RIVER NEAR SPENCER

LOCATION:—Water-stage recorder in N½ Section 30, Township 33 North, Range 11 West, at bridge on U.S. Highway 281, 600 feet downstream from Spencer power plant dam, and 5 miles southeast of Spencer. Datum of gage is 1,478.65 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—10,400 square miles.

RECORDS AVAILABLE:—August 1927 to December 1928, January 1930 to September 1931, October 1932 to September 1936, June 1940 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 15,400 second-feet October 5 (gage height, 4.00 feet); minimum daily, 150 second-feet December 31.

Water year 1948: Maximum discharge, 8,550 second-feet August 13 (gage height 3.00 feet); minimum daily, 375 second-feet December 5.

1927-28, 1930-31, 1932-36, 1940-48: Maximum discharge, 21,500 second-feet June 14, 1943; minimum daily, 5 second-feet November 14, December 18, 19, 1940.

REMARKS:—Records good.

OMAHA CREEK NEAR HOMER

LOCATION:—Water-stage recorder in W½ Section 12, Township 27 North, Range 8 East, at bridge on U. S. Highway 73 and 77, ½ mile northeast of Homer.

DRAINAGE AREA:—170 square miles.

RECORDS AVAILABLE:—April 1946 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 939 second-feet June 12; maximum gage height, 8.72 feet March 12 (backwater from ice); minimum daily discharge, 2.2 second-feet September 23.

Water year 1948: Maximum discharge, not determined, February 27 (gage height 14.58 feet, backwater from ice); minimum daily, 0.1 second-feet September 16, 18, 19.

1946-48: Maximum gage height, that of February 27, 1948; minimum daily, that of September 16, 18, 19, 1948.

Greatest flood known occurred June 4, 1940.

REMARKS:—Records fair, except those for periods of ice effect, November 11-14, 17, 1946, November 22 to December 7, 1946, December 13, 1946 to March 25, 1947, November 9-15, 1947, November 22, 1947 to March 19, 1948, or those for periods of no gage-height record April 24-30, July 7-8, 1947, April 27 to May 2, June 30 to July 10, 1948, which are poor.

PLUM CREEK NEAR MEADVILLE

LOCATION:—Water-stage recorder in Section 33, Township 32 North, Range 22 West, $\frac{1}{4}$ mile below power plant, and about 4 miles southwest of Meadville.

RECORDS AVAILABLE:—December 1947 to September 1948.

EXTREMES:—Deposits of silt on control from sluicing of reservoir affects stage-discharge relation. Extremes not determined for period December 21, 1947 to September 30, 1948.

REMARKS:—Records fair.

PLUM CREEK NEAR SMITHFIELD

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 15, Township 8 North, Range 21 West, about 100 feet downstream from county highway bridge, and 6 $\frac{1}{2}$ miles northeast of Smithfield.

DRAINAGE AREA:—268 square miles.

RECORDS AVAILABLE:—June 1946 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 2,800 second-foot June 23 (gage height, 18.63 feet); no flow on many days.

Water year 1948: Maximum discharge, 2,230 second-feet June 23 (gage height, 17.60 feet); no flow on many days.

1946-48: Maximum discharge, that of June 23, 1947; no flow on many days.

REMARKS:—Records poor.

PRAIRIE DOG CREEK NEAR WOODRUFF, KANSAS

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 33, Township 1 North, Range 18 West, 50 feet downstream from bridge on U. S. Highway 383, 0.9 mile north of Kansas-Nebraska line, 4 $\frac{1}{4}$ miles northeast of Woodruff, Kansas, and 5 $\frac{3}{4}$ miles south of Alma, Nebraska. Datum of gage is 1,943.08 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—1,050 square miles.

RECORDS AVAILABLE:—May 1945 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 15,000 second-foot June 23 (gage height, 21.04 feet), from rating curve extended above 3,500 second-feet; minimum daily, 3 second-feet October 1.

Water year 1948: Maximum discharge, 972 second-feet June 29 (gage height, 15.11 feet); minimum daily, 0.2 second-foot September 5.

1945-48: Maximum discharge, that of June 23, 1947; no flow, October 29, 1945.

REMARKS:—Records fair, except those for periods of no gage-height record or ice effect, October 1-7, November 11-12, December 18, 28-31, 1946, January 1, 3-5, February 3-4, 19-20, 28, 1947, December 30, 1947 to January 2, 1948, January 11-17, January 29 to February 17, February 20-24, March 3-17, July 24-28, 1948, which are poor.

PUMPKINSEED CREEK NEAR BRIDGEPORT

LOCATION:—Water-stage recorder in SW $\frac{1}{4}$ Section 12, Township 19 North, Range 50 West, 250 feet downstream from bridge on U. S. Highway 26, $\frac{1}{2}$ mile upstream from mouth, and 4 miles southeast of Bridgeport.

DRAINAGE AREA:—1,080 square miles.

RECORDS AVAILABLE:—January 1922 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 157 second-feet June 21 (gage height, 3.27 feet); minimum daily, 8.8 second-feet August 22.

Water year 1948: Maximum discharge 80 second-feet November 8; maximum gage height, 2.57 feet January 28, backwater from ice; minimum daily discharge, 6.4 second-feet June 11.

1922-48: Maximum discharge, 864 second-feet March 9, 1939 (gage height, 6.12 feet), from rating curve extended above 550 second-feet; minimum daily, 0.4 second-foot August 6, 1936.

REMARKS:—Records good except those for periods of ice effect, December 31, 1946, January 14, 30, February 10, 1947, January 27-28, 1948, and those computed from once daily gage readings, March 12, 22, April 8, 10, June 1, 17-25, July 7-11, September 6-7, 1948, which are fair, and those for periods of no gage-height record, February 1-5, 7-9, 16-17, March 20-27, 30, October 9-15, 27-31, 1947, March 5-11, 13-14, 16-21, March 23 to April 5, April 7, 9, 11-12, 21-23, 1948, which are poor.

RED WILLOW CREEK NEAR BAYARD

LOCATION:—Water-stage recorder at southwest corner of Section 7, Township 20 North, Range 51 West, at county highway bridge, $\frac{1}{4}$ mile downstream from Wild Horse drain, $\frac{3}{4}$ mile upstream from mouth, and $4\frac{1}{2}$ miles southeast of Bayard.

RECORDS AVAILABLE:—October 1931 to September 1948, April 1919 to September 1931 at site in Section 6. Township 20 North, Range 51 West, upstream from Wild Horse drain. Records not equivalent.

EXTREMES:—Water year 1947: Maximum discharge, 1,380 second-feet June 30 (gage height, 6.82 feet); minimum daily, 43 second-feet May 8.

Water year 1948: Maximum discharge, 728 second-feet June 17 (gage height, 4.87 feet); minimum daily, 38 second-feet June 5.

1931-48: Maximum discharge, 1,640 second-feet May 10, 1942 (gage height, 7.8 feet, present datum, from flood mark), from rating curve extended above 570 second-feet on basis of slope-area determination at gage height 7.66 feet, present datum; minimum daily, 15 second-feet April 23, 1935.

REMARKS:—Records good during water year 1947 except those computed from staff gage readings July 3-17, July 21 to August 18, which are fair. Records fair during water year 1948, except those for periods of no gage-height record November 21-28, December 9-10, December 13 to January 2, January 13-21, February 11-13, which are poor.

RED WILLOW CREEK, NORTH OF MCCOOK

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 6, Township 4 North, Range 29 West, at bridge on U. S. Highway 83, 10 miles north of McCook. Datum of gage is 2,496.50 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—600 square miles of which only 300 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—October 1940 to June 1947. (Gage destroyed by flood).

EXTREMES:—Period October 1946 to June 1947: Maximum discharge, 30,000 second-feet June 22 (gage height, 22.4 feet) by contracted-opening method; minimum daily, 12 second-feet October 1, 3.

1940-47: Maximum discharge, that of June 22, 1947; minimum daily, 4.2 second-feet September 4, 1943.

REMARKS:—Records good, except for those of ice effect or no gage height record December 29, 1946 to January 7, 1947, January 28 to February 11, March 5-16, 1947.

RED WILLOW CREEK NEAR RED WILLOW

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 17, Township 3 North, Range 28 West, at bridge on U. S. Highways 6 and 34, $\frac{3}{4}$ mile north of Red Willow, and 2 $\frac{1}{2}$ miles upstream from mouth. Datum of gage is 2,398.64 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—710 square miles of which only about 400 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—March 1925 to September 1931, October 1939 to September 1948. Published 1925-28 as Red Willow Creek east of McCook.

EXTREMES:—Water year 1947: Maximum discharge, 30,000 second-feet June 22 (gage height, 18.36 feet), by slope-area method; minimum daily, 10 second-feet December 29.

Water year 1948: Maximum discharge, 14,800 second-feet June 21 (gage height, 16.77 feet); minimum daily recorded, 15 second-feet February 11, September 29, 30 (may have been less during period of no gage-height record, September 16-28).

1925-31, 1939-48: Maximum discharge, that of June 22, 1947; minimum daily, 1 second-foot August 16-31, 1929.

REMARKS:—Records good except those for periods of ice effect or no gage-height record, November 11-13, December 17-23, 1946, December 28, 1946 to January 5, 1947, January 14-24, January 29 to February 14, February 16 to March 10, June 25 to July 14, July 19-20, November 21-26, December 4 to 24, 1947, December 31 1947 to January 7, 1948, January 13 to February 26, March 5-15, June 29 to July 5, September 16-28, 1948, and those above 1,500 second-feet, all of which are poor.

REPUBLICAN RIVER AT COLORADO-NEBRASKA STATE LINE

LOCATION:—Water-stage recorder in Section 10, Township 1 North, Range 42 West, 100 feet east of Colorado-Nebraska State line. Datum of gage is 3,336.09 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—2,530 square miles of which only about 130 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—May to June 1915, March to August 1926, January 1927 to December 1930, October 1931 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 1,600 second-feet April 28 (gage height 5.92 feet) by slope-area method; minimum daily recorded, 3.8 second-feet September 7, but may have been less during period of no gage-height record.

Water year 1948: Maximum discharge, 637 second-feet June 15 (gage height 3.92 feet); minimum daily, 7.7 second-feet August 1, 3, 4 September 3.

1915, 1926, 1927-30, 1931-48: Maximum discharge, that of April 28, 1947; no flow August 25, 26, 1932.

REMARKS:—Records good except those for periods of no gage-height record August 5-25, 1947, or backwater from ice, December 29, 1946 to January 8, 1947, January 29 to February 5, February 8-11, 1947, January 26 to February 8, February 10-16, 1948, which are poor.

REPUBLICAN RIVER AT BENKELMAN

LOCATION:—Water-stage recorder in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 19, Township 1 North, Range 37 West, at bridge on U. S. Highway 34, 1 mile southwest of Benkelman, 2 miles upstream from South Fork Republican River, and 11 miles downstream from Rock Creek.

DRAINAGE AREA:—4,770 square miles of which only 1,700 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—November 1894 to February 1895, (gage heights only), March to August 1895, May 1903 to November 1906 (fragmentary), January 1924 to December 1929 (fragmentary), October 1930 to September 1931, December 1946 to September 1948.

EXTREMES:—Period December 1946 to September 1947; maximum discharge, 4,620 second-feet April 28 (gage height, 6.80 feet); no flow August 22, 23.

Water year 1948: Maximum discharge, 5,430 second-feet June 15 (gage height, 7.44 feet); minimum daily, 9 second-feet January 27, 28.

Greatest flood known occurred May 31, 1935 (gage height and discharge not determined).

REMARKS:—Records fair except those for periods of ice effect, December 28-31, 1946, January 1 to February 16, November 21-25, December 3-28, 31, 1947, January 1-8, 13-31, February 1-24, March 2-14, 1948, or those below 10 second-feet, which are poor.

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 31, Township 1 North, Range 37 West, at bridge on State Highway 61, 1 mile downstream from Kansas-Nebraska State line, 2 $\frac{1}{2}$ miles southwest of Benkelman and 4 miles (revised) upstream from mouth. Datum of gage is 2,996.78 feet above mean sea level, datum of 1929. Prior to December 9, 1947, and during period June 16 to August 30, 1948, wire-weight gage at same site and datum.

DRAINAGE AREA:—2,580 square miles of which about 2,550 contribute directly to surface runoff.

RECORDS AVAILABLE:—November 1894 to August 1895 (gage heights only), May 1903 to November 1906, January 1924 to December 1929 (fragmentary), October 1930 to September 1933, September 1937 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge observed, 4,630 second-feet July 22 (gage height, 5.40 feet); no flow on many days.

Water year 1948: Maximum discharge recorded, 9,330' second-feet June 14, (gage height, 7.0 feet, affected by extreme surge in gage well); no flow on many days.

1903-06, 1924-29, 1930-33, 1937-48: Maximum discharge, probably occurred during flood of June 24, 1945, not determined; maximum gage height observed, 8.60 feet July 12, 1941, from floodmarks (higher stage may have occurred during flood of June 24, 1945); no flow at times during 1906, 1925, 1931, 1937-40, 1942-48.

Greatest flood known occurred May 31, 1935, discharge 150,000 second-feet (gage height 10.1 feet at site $\frac{1}{4}$ mile downstream, present datum, from floodmarks), by slope-area method.

REMARKS:—Records poor.

REPUBLICAN RIVER AT TRENTON

LOCATION:—Water-stage recorder on west line SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 2, Township 2 North, Range 33 West, at bridge on State Highway 25, about $\frac{1}{2}$ mile upstream from Elm Creek, and $\frac{3}{4}$ mile south of Trenton. Datum of gage is 2,662.87 feet above mean sea level, datum of 1929. Prior to September 13, 1948, wire-weight gage at same site and datum.

DRAINAGE AREA:—8,120 square miles of which only 4,910 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—November 1946 to September 1948.

EXTREMES:—Period November 25, 1946 to September 30, 1947: Maximum discharge, 10,200 second-feet June 6 (gage height, 5.00 feet); no flow August 27 to September 30.

Water year 1948: Maximum discharge, 16,800 second-feet June 16 (gage height, 5.64 feet); no flow, October 1, August 31 to September 8, September 14-30.

REPUBLICAN RIVER AT TRENTON—Concluded

1946-48: Maximum discharge, that of June 16, 1948; no flow during periods each year.

Greatest flood known occurred May 31, 1935 (discharge about 200,000 second-feet).

Discharge of 21,100 second-feet measured July 3, 1946 (gage height 6.0 feet).

REMARKS:—Records fair except those for periods of ice effect or no gage-height record December 28, 1946 to February 14, 1947, February 19 to March 11, July 2-7, July 30 to August 4, August 8-10, October 8-12, November 21-24, 27-29, 1947, December 4, 1947 to January 9, 1948, January 13 to February 24, February 28-29, March 2-15, 1948, which are poor.

REPUBLICAN RIVER AT CULBERTSON

LOCATION:—Chain gage in SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 17, Township 3 North, Range 31 West, at bridge on State Highway 17, $\frac{3}{4}$ mile south of Culbertson and 1.1 miles upstream from Frenchman River. Datum of gage is 2,563.23 feet (revised) above mean sea level, datum of 1929.

DRAINAGE AREA:—10,600 square miles of which 1,900 square miles is largely non-contributing.

RECORDS AVAILABLE:—January to December 1922, January 1924 to December 1929, October 1930 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 13,000 second-feet June 6 (gage height, 5.46 feet); no flow August 14 to September 30.

Water year 1948: Maximum discharge, 16,700 second-feet June 16 (gage height, 5.72 feet), from graph based on gage readings; no flow October 1-25, August 29, September 1, 2, 22-30.

1922, 1924-29, 1930-48: Maximum discharge, about 200,000 second-feet on May 31, 1935 (gage height, 11.4 feet, from flood marks), based on slope-area determinations at stations at Max and near Bloomington; no flow for periods in most years.

REMARKS:—Records poor.

REPUBLICAN RIVER AT CAMBRIDGE

LOCATION:—Chain gage in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 28, Township 4 North, Range 25 West, $\frac{3}{4}$ mile downstream from Medicine Creek, and 1 mile east of Cambridge. Datum of gage is 2,239.07 feet above mean sea level, datum of 1929. Prior to July 13, 1948, staff gage at same site and datum.

DRAINAGE AREA:—14,300 square miles of which only 8,870 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—September 1945 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 160,000 second-feet June 22 (gage height, 16.7 feet, from floodmarks), by slope-area method; minimum daily, 18 second-feet September 7.

REPUBLICAN RIVER AT CAMBRIDGE—Concluded

Water year 1948: Maximum gage height 14.0 feet June 21, discharge not determined; minimum daily discharge, 51 second-feet September 1.

1945-48: Maximum discharge, that of June 22, 1947; minimum daily, that of September 7, 1947.

REMARKS:—Records fair except those for periods of ice effect, December 29, 1946 to February 18, 1947, February 26 to March 9, 1947, those for periods of no gage-height record June 22-25, 27, 1947, and those for water year 1948, all of which are poor.

REPUBLICAN RIVER NEAR ORLEANS

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 19, Township 2 North, Range 19 West, at bridge on State Highway 89, 100 feet downstream from Chicago, Burlington & Quincy Railroad bridge, 2 miles west of Orleans, 2 $\frac{3}{4}$ miles upstream from Sappa Creek, 5 miles east of Stamford, and 23 miles upstream from Harlan County Dam. Datum of gage is 1,972.57 feet above mean sea level, datum of 1929. Prior to June 2, 1948, wire-weight gage at same site and datum.

RECORDS AVAILABLE:—October 1947 to September 1948.

EXTREMES:—Maximum discharge, 40,600 second-feet June 22 (gage height, 11.25 feet), from rating curve extended above 29,000 second-feet); minimum daily, 40 second-feet September 28-30.

Greatest flood known occurred June 1, 1935.

Flood of June 23, 1947 reached a stage of 14 feet, from floodmarks, (discharge not determined).

REARMKS:—Records fair except those prior to June 2 and those above 13,000 second-feet, which are poor.

REPUBLICAN RIVER NEAR BLOOMINGTON

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 8, Township 1 North, Range 15 West, 600 feet downstream from county highway bridge, 2 miles south of Bloomington, and 9 $\frac{1}{2}$ miles downstream from Turkey Creek. Datum of gage is 1,824.15 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—(revised) 20,800 square miles of which only 15,100 square miles contributes directly to surface runoff.

RECORDS AVAILABLE:—October 1930 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 140,000 second-feet June 23 (gage height, 15.1 feet); by contracted opening method of main channel and slope-area determination of overflow section; minimum daily, 60 second-feet September 27.

Water year 1948: Maximum discharge, 22,000 second-feet June 23 (gage height, 7.54 feet); minimum daily, 59 second-feet September 27.

REPUBLICAN RIVER NEAR BLOOMINGTON—Concluded

1930-48: Maximum discharge, 260,000 second-feet June 1, 1935, (gage height, 20.4 feet, from floodmarks, site then in use), by slope-area method; minimum daily, 6.8 second-feet October 6, 7, 1937.

REMARKS:—Records good except those for periods of ice effect, December 29, 1946 to February 15, 1947, February 1-15, 25-28, March 1-12, December 4-21, 30-31, 1947, January 1-8, January 13 to February 26, March 4-16, 1948, or those above 20,000 second-feet, which are poor.

ROCK CREEK AT PARKS

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 21, Township 1 North, Range 39 West, at west edge of Parks, 100 feet downstream from county highway bridge, and $\frac{1}{2}$ mile upstream from mouth. Datum of gage is 3,093.35 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—180 square miles of which only about 14 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—January 1925 to September 1931. October 1940 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 24 second-feet July 22; maximum gage height, 2.25 feet January 30, backwater from ice; minimum daily discharge, 5 second-feet December 30, 31.

Water year 1948: Maximum discharge, 54 second-feet May 23 (gage height, 2.84 feet); minimum daily, 11 second-feet on many days.

1925-31, 1940-48: Maximum gage height, 3.67 feet July 12, 1944, (discharge not determined); minimum daily discharge, 3.1 second-feet February 19-23, 1943.

REMARKS:—Records good except those for periods of ice effect or no gage-height record, December 29, 1946 to January 8, 1947, January 14-18, January 30 to February 5, February 7-12, February 24 to March 3, March 6-7, December 8-14, 1947, December 31, 1947 to January 2, 1948, January 16-17, 19, January 27 to February 5, February 8, 11-15, March 5-7, 10-12, July 17-25, August 9-11, 15-17, 1948, which are poor.

SALT CREEK NEAR ASHLAND

LOCATION:—Water-stage recorder in Section 31, Township 13 North, Range 10 East, at bridge on U. S. Highway No. 6, 1 $\frac{1}{4}$ miles east of Ashland and about 2 miles upstream from mouth.

DRAINAGE AREA:—1,640 square miles.

RECORDS AVAILABLE:—October 1947 to September 1948.

EXTREMES:—Water year 1948: Maximum discharge, 20,100 second-feet March 19 (gage height, 13.43 feet); minimum daily, 47 second-feet July 24.

REMARKS:—Records good except those for periods of ice effect, November 21-25, December 3-10, December 30, 1947 to January 8, 1948, January 12 to February 16, February 20-26, March 1-14, 1948, or period of no gage-height record, February 28, 29, 1948, which are poor.

SAPPA CREEK NEAR STAMFORD

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 23, Township 2 North, Range 20 West, 500 feet downstream from bridge on Section line, 2 miles east of Stamford, 5 $\frac{1}{2}$ miles upstream from mouth, and 8 $\frac{1}{2}$ miles downstream from Beaver Creek.

DRAINAGE AREA:—3,840 square miles of which only 3,560 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—December 1945 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 7,430 second-feet June 22 (gage height, 20.10 feet), from rating curve extended above 4,800 second-feet; minimum daily, 8.6 second-feet September 30.

Water year 1948: Maximum discharge, 1,460 second-feet June 28 (gage height, 13.29 feet); minimum daily, 1.3 second-feet September 30.

1945-48: Maximum discharge that of June 22, 1947; no flow June 19, 1946; (field observation).

REMARKS:—Records good except those below 15 second-feet, which are fair and those for periods of ice effect, December 29-31, 1946, January 1-5, 15-21, 29-31, February 1-11, 20-28, March 1-9, 1947, January 23 to February 15, March 3-14, 1948, which are poor.

SHEEP CREEK NEAR MORRILL

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 16, Township 23 North, Range 57 West, at bridge on U. S. Highway 26, 40 feet upstream from Chicago, Burlington, and Quincy Railroad bridge, 1 mile west of Morrill, and 1 $\frac{1}{2}$ miles upstream from mouth.

RECORDS AVAILABLE:—April 1919 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 232 second-feet March 19 (gage height, 3.65 feet); minimum daily, 1.4 second-feet September 6-9.

Water year 1948: Maximum discharge, 210 second-feet July 15 (gage height 3.49 feet); minimum daily, 3.9 second-feet August 18.

1919-46: Maximum gage height, 6.75 feet (from flood mark) August 2, 1932, due to break in Interstate Canal (discharge uncertain); no flow at times in 1919, 1923, 1924, 1930.

REMARKS:—Records for water year 1947 fair, except those for periods of no gage-height record December 31, 1946 to January 6, 1947, January 12-13, 15-24, February 17-19, April 17-30, which are poor. Records for water year 1948 good, except those for periods of no gage-height record October 28-30, 1947, April 15-18, 1948, which are fair.

SHELL CREEK NEAR COLUMBUS

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 23, Township 18 North, Range 1 East, 80 feet upstream from county highway bridge, 1 mile upstream from Loseke Creek, and 6 miles northeast of Columbus.

DRAINAGE AREA:—270 square miles.

RECORDS AVAILABLE:—August 1947 to September 1948.

EXTREMES:—The period August 9 1947 to September 30 1948: Maximum discharge, 2,480 second-feet March 1; maximum gage height, 19.78 feet March 17 (backwater from ice); minimum daily discharge, 3.2 second-feet September 17.

Flood of June 2, 1947, reached a stage of 21.7 feet (discharge not determined).

REMARKS:—Records good except those for periods of ice effect, November 21-25, December 4-31, 1947, January 1 to February 27, March 2-19, 1948, which are poor.

SNAKE RIVER NEAR BURGE

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ Section 20, Township 31 North, Range 30 West, 150 feet downstream from Nebraska National Forest boundary, 6 $\frac{1}{2}$ miles southwest of Burge, and 22 miles southwest of Valentine.

RECORDS AVAILABLE:—June 1947 to September 1948.

EXTREMES:—The period June to September 1947: Maximum discharge, 317 second-feet June 30 (gage height 2.42 feet); minimum daily, 205 second-feet August 8-10.

Water year 1948: Maximum discharge, 381 second-feet September 23 (gage height 2.69 feet); minimum daily, 155 second-feet February 11.

1947-48: Maximum discharge, that of September 23, 1948; minimum daily, that of February 11, 1948.

REMARKS:—Records good except those for periods of ice effect, January 15-16, January 24 to February 14, March 6-13, 1948, which are fair.

STINKING WATER CREEK NEAR WAUNETA

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 17, Township 6 North, Range 35 West, $\frac{1}{2}$ mile downstream from county highway bridge, 1 $\frac{1}{2}$ miles downstream from Spring Creek, and 6 miles northeast of Wauneta.

DRAINAGE AREA:—1,260 square miles of which only 340 square miles contribute directly to surface runoff.

RECORDS AVAILABLE:—October 1940 to September 1948.

EXTREMES:—Water year 1947: Maximum gage height, 6.00 feet June 21 (discharge not determined); minimum daily discharge not determined, occurred during period of no gage-height record.

STINKING WATER CREEK NEAR WAUNETA—Concluded

Water year 1948: Maximum discharge, 169 second-feet, July 14 (gage height 3.81 feet); minimum daily, not determined, occurred during period of no gage-height record.

1940-48: Maximum discharge, 577 second-feet September 9, 1946 (gage height, 6.12 feet), may have been exceeded by flood of June 21, 1947; minimum daily discharge, 5.5 second-feet, September 3, 1943.

REMARKS:—Records fair except those for periods of ice effect, December 28, 1946 to January 6, 1947, January 29 to February 12, 1947, January 27 to February 9, February 11-13, March 11, 12, 1948, or periods of no gage-height record, October 1-3, 1946, July 7, 21, July 28 to September 15 to October 13, October 15-24, 1947, April 29, 30, May 5-10, 16-30, June 1, 4, 5, 9-14, July 2-13, 19-31, Aug. 1-8, 12, 13, 15-27, August 29 to September 30, 1948 which are poor.

WINTERS CREEK NEAR SCOTTSBLUFF

LOCATION:—Water-stage recorder near center of Section 30, Township 22 North, Range 54 West, $\frac{1}{2}$ mile downstream from bridge on U. S. Highway 26, 1 mile upstream from mouth, and $1\frac{1}{2}$ miles east of Scottsbluff.

RECORDS AVAILABLE:—January 1919 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 379 second-feet June 21 (gage height, 4.38 feet); minimum daily, 8.2 second-feet May 11.

Water year 1948: Maximum discharge, 504 second-feet June 16 (gage height, 5.52 feet); minimum daily, 15 second-feet May 8, 15.

1919-48: Maximum discharge, 590 second-feet June 5, 1940 (gage height, 6.02 feet), by slope-area method; minimum daily, 1 second-foot August 16, 1935.

REMARKS:—Records good except those for periods of no gage-height record November 8-16, 1947, April 30 to May 2, 1948, which are fair.

WOOD RIVER NEAR RIVERDALE

LOCATION:—Water-gage recorder in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 31, Township 10 North, Range 16 West, at bridge on State Highway 40, $1\frac{1}{2}$ miles northwest of Riverdale.

DRAINAGE AREA:—379 square miles.

RECORDS AVAILABLE:—June 1946 to September 1948.

EXTREMES:—Water year 1947: Maximum discharge, 20,000 second-feet June 22 (gage height, 19.75 feet), by contracted opening method; minimum daily, 1.2 second-feet September 30 (may have been less during periods of no gage-height record).

WOOD RIVER NEAR RIVERDALE—Concluded

Water year 1948: Maximum discharge, 1,830 second-feet March 17 (gage height, 12.07 feet); minimum daily, 0.2 second-foot October 7.

1946-48: Maximum discharge, that of June 22, 1947; no flow at times during 1946.

REMARKS:—Records fair except those for periods of ice effect, December 16, 1946 to March 7, 1947, March 1-3, 1948, or for periods of no gage-height record March 12-21, August 26 to September 29, 1947, January 14 to February 1, March 4-13, May 5-8, August 29 to September 3, 1948, which are poor.

**DISCHARGE
MEASUREMENTS
OF STREAMS**

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DISCHARGE MEASUREMENTS OF STREAMS

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
ANTELOPE CREEK					
Sec. 30-33-41 W.					
6-11	C. D. Christensen	1.7			
ANTELOPE CREEK					
North Line—Sec. 32-33-41 W.					
3-25	C. D. Christensen	3.1	4-15	C. D. Christensen	3.7
APPLEGATE DRAIN					
Sec. 31-14-33 W.					
10-10	J. H. Hintz	58.1	3-14	J. H. Hintz	47.9
10-25	do	52.5	3-27	do	48.3
11-11	do	52.5	4-14	do	51.1
11-18	do	54.3	4-26	do	56.3
12- 9	do	57.0	5- 8	do	47.7
12-16	do	53.6	5-26	do	46.3
1- 3	do	51.3	6-16	do	47.0
1-14	do	51.9	7-12	do	46.2
1-29	do	53.2	8- 4	do	48.5
2-11	do	50.1	8-28	do	44.8
2-24	do	53.2			
ASH CREEK					
Whitney—Sec. 7-32-50 W.					
1-29	Christensen-Hanks	3.6	5-16	C. D. Christensen	1.7
4-17	C. D. Christensen	2.6	7-31	do	.1
ASH CREEK—EAST					
Above Barron Canal—Sec. 32-32-50 W.					
4-17	C. D. Christensen	2.6	7- 7	C. D. Christensen	2.6
6- 4	do	3.4	7-30	do	.9
ASH CREEK					
Below Barron Canal—Sec. 32-32-50 W.					
4-17	C. D. Christensen	0.3	7- 7	C. D. Christensen	0.2
5-16	do	.0	7-30	do	.5
6- 4	do	.8			
AUGER CREEK					
Elba—Sec. 4-15-11 W.					
6- 9	W. J. Page	0.1	8-14	W. J. Page	0.1

REPORT OF THE STATE ENGINEER

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BALD DRAIN					
Sec. 32-23-56 W.					
10- 1	S. M. Christensen	13.5	2-10	S. M. Christensen	3.0
10-10	do	11.2	2-24	do	3.3
10-16	do	7.9	3-11	do	2.4
10-23	do	5.3	3-19	do	2.6
11-13	do	6.4	3-26	do	1.8
11-21	do	4.7	5- 7	do	2.5
11-26	do	6.4	5-14	do	12.3
12- 4	do	5.1	5-22	do	21.6
12-24	do	4.8	6- 5	do	36.7
1- 8	do	6.4	7-14	do	36.4
1-14	do	4.0	8- 4	do	31.6
1-22	do	6.9	8-27	do	12.7
2- 5	P. D. Harrington	3.1	9-16	do	32.2
BEAN CREEK					
Elyria—Sec. 10-20-15 W.					
8-13	W. J. Page	0.6			
BEAR CREEK					
North of Merriman—Sec. 8-34-37 W.					
10-17	Christensen-Hanks	5.6	4-14	C. D. Christensen	12.7
11-22	Christensen-Ratliff	4.4	5-16	do	5.1
3-11	C. D. Christensen	8.2	6-10	do	8.8
3-25	do	10.7			
BEAR CREEK					
Below Wooden Dam A-3321—NW ¼ Sec. 16-34-37 W.					
1-28	Christensen-Hanks	6.2	3-25	C. D. Christensen	11.5
BEAR CREEK					
Passing Fish and Game Commission Dam A-2898—Sec. 16-34-37 W.					
3-25	C. D. Christensen	16.7	6-25	C. D. Christensen	4.0
4-14	do	23.2	7- 9	do	9.0
5-16	do	10.4			
BEAR CREEK					
Above Cole Dam No. 1, A-2254—SW ¼ NE ¼ Sec. 14-34-37 W.					
3-27	C. D. Christensen	20.3	7- 9	C. D. Christensen	11.1
4-14	do	29.5	8-12	do	.3
6-10	do	14.5	9- 8	do	.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BEAR CREEK					
Eli—Sec. 25-34-36 W.					
3-26	C. D. Christensen	28.6	7- 9	C. D. Christensen	12.8
4-14	do	33.1	8-12	do	2.1
6-10	do	26.2	9- 8	do	1.1
6-25	do	42.7			
BOGGY CREEK					
Below Wickersham Diversion Dam—Sec. 31-33-54 W.					
10-24	Christensen-Rasmussen	0.0	7-29	C. D. Christensen	0.2
4- 2	do	.9	8-15	do	.2
7- 8	C. D. Christensen	.5			
BORDEAUX CREEK, BIG					
Chadron—Sec. 14-33-48 W.					
1-29	Christensen-Hanks	3.9	3-26	C. D. Christensen	4.0
2-12	C. D. Christensen	5.1	4-15	do	3.8
2-27	do	5.0	6-11	do	4.0
BORDEAUX CREEK, LITTLE					
Below Hartzell Canal—Sec. 13-33-48 W.					
1-29	Christensen-Hanks	3.3	3-26	C. D. Christensen	4.5
2-12	C. D. Christensen	4.3	4-15	do	3.2
2-27	do	3.1	6-11	do	3.1
BROWN CREEK					
Loup City—East Line of Sec. 25-15-15 W.					
5-27	W. J. Page	0.3	8-20	W. J. Page	0.3
6-11	do	.4			
BUFFALO CREEK					
Elm Creek—Sec. 33-9-18 W.					
10- 1	D. B. Ender	70.2	4- 2	D. B. Ender	11.9
10-15	do	56.2	4-29	do	15.2
10-29	do	21.7	5-27	do	9.3
11-13	do	18.7	6- 3	do	44.9
12-10	do	17.7	6-13	do	22.9
12-17	do	11.0	7-22	do	40.6
1- 8	do	13.3	8- 5	do	15.1
1-21	do	14.0	8-19	do	2.2
2- 4	do	11.3	9- 4	do	39.4
3- 4	do	10.4	9-17	do	19.0
3-25	do	14.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BULL DRAIN					
Maxwell—Sec. 19-13-28 W.					
10-23	D. B. Ender	2.1	3-27	D. B. Ender	4.7
10-30	do	3.3	4-14	do	5.9
11-14	do	4.7	5- 2	do	3.3
11-20	do	5.2	5- 8	do	2.8
12- 2	do	3.5	5-22	do	2.6
12-12	do	3.5	6-10	do	4.3
12-20	do	3.6	7-16	do	2.7
1-17	do	2.9	7-25	do	3.8
2-20	do	3.2	8- 8	do	1.7
3- 7	do	3.1	8-14	do	1.8
3-13	do	4.2	9- 8	do	1.8
CEDAR BRANCH CREEK					
Nevins—Sec. 17-14-35 W.					
10-10	J. H. Hintz	1.7	3-20	J. H. Hintz	1.9
10-25	do	1.6	4- 3	do	1.9
11-21	do	1.9	4-17	do	1.9
12-12	do	1.7	5- 1	do	1.8
12-19	do	2.0	5-30	do	2.0
1- 9	do	1.8	7-11	do	1.8
1-23	do	1.8	8- 7	do	2.2
2-13	do	1.8	8-28	do	1.5
2-25	do	1.5	9-17	do	2.3
CEDAR CREEK					
Above D-507, Schilt-Cedar Creek Canal—Sec. 35-33-56 W.					
10-24	Christensen-Rasmussen	0.0			
CEDAR CREEK					
Sec. 11-18-48 W.					
10- 3	P. D. Harrington	12.0	2-27	Harrington-Ratliff	13.6
10-11	do	11.3	3- 6	P. D. Harrington	11.7
10-17	do	13.3	3-13	do	11.7
10-24	do	11.6	3-18	do	10.8
10-30	Christensen-Harrington	12.0	3-28	do	9.4
11-15	P. D. Harrington	11.7	4-16	do	8.6
11-20	do	13.9	4-25	do	4.5
11-27	do	12.7	4-30	do	5.2
12- 5	do	13.6	5- 8	do	5.5
12-11	do	12.9	5-15	do	12.1
12-19	do	11.5	5-30	do	15.7
1- 9	do	12.3	7-10	do	13.5
1-16	do	15.5	8- 1	do	1.9
1-22	do	13.2	8-15	do	7.7
1-31	do	13.3	8-21	do	14.0
2- 6	Christensen-Hanks	12.2	9- 4	do	10.5
2-13	Harrington-Ratliff	12.1	9-20	do	6.2
2-19	P. D. Harrington	11.6	9-29	do	13.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
CHADRON CREEK					
One-half Mile above City Reservoir—Sec. 19-32-48 W.					
1-30	Christensen-Hanks	1.6	4-18	C. D. Christensen	2.5
2-13	C. D. Christensen	20.0	7-12	do	3.1
2-26	do	3.6	8-16	do	1.9
3-12	do	2.6	9-12	do	1.8
3-27	do	2.3			
CHADRON CREEK					
500 Feet below City Reservoir—Sec. 18-32-48 W.					
1-30	Christensen-Hanks	1.6	4-18	C. D. Christensen	1.7
2-13	C. D. Christensen	20.4	7-12	do	.3
2-26	do	2.3	8-16	do	.1
3-12	do	1.1	9-12	do	2.3
3-27	do	1.8			
CLEAR CREEK					
Sec. 5-15-41 W.					
10- 9	P. D. Harrington	8.2	3-25	P. D. Harrington	7.8
10-23	do	9.8	4-15	do	8.6
11-20	do	8.6	4-30	do	8.0
12- 4	do	7.7	5-15	do	10.9
12-18	do	6.9	5-27	do	2.3
1-14	do	8.7	6-26	do	2.6
1-28	do	8.8	7-17	do	6.7
2-13	Harrington-Ratliff	8.4	8-28	do	.9
2-27	do	8.0	9-10	do	.2
3-13	P. D. Harrington	8.0	9-23	do	9.1
CLEAR CREEK					
Westerville—East Line of Sec. 28-17-18 W.					
7-16	W. J. Page	1.7			
CLEVELAND DRAIN					
Sec. 6-20-52 W.					
10- 8	S. M. Christensen	14.3	5- 2	S. M. Christensen	19.2
10-15	do	2.3	5-26	do	23.8
10-21	do	2.5	6- 6	do	9.1
1-21	do	.2	7-18	do	29.7
1-30	do	.0	8-11	do	4.1
2- 6	P. D. Harrington	.0	8-22	do	12.6
2-12	S. M. Christensen	.6	9-17	do	23.5
COB CREEK					
Near Loup City—Sec. 23-15-15 W.					
5-27	W. J. Page	0.1	8-20	W. J. Page	0.0
6-11	do	.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
COLD WATER CREEK					
Sec. 34-18-46 W.					
10- 3	P. D. Harrington	4.2	4-15	P. D. Harrington	1.0
10-11	do	.2	4-25	do	.7
11-14	do	14.2	4-30	do	8.1
2-13	Harrington-Ratliff	.9	5- 8	do	10.2
2-19	P. D. Harrington	.8	5-15	do	1.7
2-27	Harrington-Ratliff	.3	5-29	do	.7
3-13	P. D. Harrington	.9	8- 1	do	1.4
3-18	do	1.0	9- 4	do	.5
3-25	do	.9			
COLD WATER CREEK					
Above Lisco Canal—Sec. 27-18-46 W.					
10- 3	P. D. Harrington	3.2	10-24	P. D. Harrington	3.8
10-11	do	3.5			
COLE CREEK					
North Loup City—West Line of Sec. 28-16-15 W.					
6-11	W. J. Page	0.1	8-20	W. J. Page	0.1
COTTONWOOD CREEK					
Dunlap—Sec. 27-29-48 W.					
3-27	C. D. Christensen	0.6	5-26	C. D. Christensen	0.5
4-16	do	1.0	6-26	do	2.4
4-30	do	1.2	7-24	do	.9
COTTONWOOD CREEK, BIG					
Sec. 22-33-50 W.					
3-12	C. D. Christensen	8.4	5-13	C. D. Christensen	3.1
3-27	do	.9	6-27	do	29.1
4-29	do	.8	7-30	do	2.9
COTTONWOOD CREEK, LITTLE					
Sec. 8-32-52 W.					
3-12	C. D. Christensen	1.4	7-29	C. D. Christensen	3.0
3-24	do	9.0	8-16	do	.0
4- 2	Christensen-Rasmussen	2.4			
DANE CREEK					
Ord-East Line of Sec. 20-19-14 W.					
8-13	W. J. Page	0.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
DAWSON COUNTY DRAIN NO. 2					
Darr—Sec. 25-10-23 W.					
10- 1	D. B. Ender	2.6	3-18	D. B. Ender	3.0
10-15	do	7.7	4- 4	do	4.4
10-28	do	5.5	4-28	do	4.4
11-15	do	5.6	5-14	do	3.6
11-21	do	6.0	6- 2	do	3.2
12-10	do	4.9	7-21	do	6.8
12-24	do	4.2	8- 6	do	4.8
1- 6	do	3.8	8-19	do	10.1
2- 5	do	3.8	9- 3	do	6.9
2-24	do	3.7	9-26	do	3.5
DAVIS CREEK					
Sec. 32-17-12 W.					
6- 9	W. J. Page	2.9	8-14	W. J. Page	0.9
DEAD HORSE CREEK					
Loup City—Sec. 18-15-14 W.					
5-27	W. J. Page	0.0	8-20	W. J. Page	0.0
6-11	do	.0			
DEAD HORSE CREEK					
Sec. 32-33-49 W.					
4-17	C. D. Christensen	1.6			
DEEP CREEK					
Sec. 4-30-53 W.					
8-15	Christensen-Rasmussen	0.7			
DEER CREEK					
Boelus—North Line of Sec. 27-13-12 W.					
6-11	W. J. Page	0.2	8-21	W. J. Page	0.2
DEGRAW DRAIN					
Sec. 24-20-51 W.					
10- 8	S. M. Christensen	5.3	3-20	S. M. Christensen	4.0
10-22	do	5.8	4-19	do	8.6
11-25	do	4.9	4-26	Ratliff-Christensen	3.3
12- 2	do	6.0	5-20	P. D. Harrington	9.2
12- 9	do	6.8	6- 7	S. M. Christensen	6.8
1-10	Christensen-Ratliff	4.8	7-11	do	2.7
1-13	S. M. Christensen	3.9	7-21	do	6.8
1-21	do	4.3	8- 1	do	3.7
1-30	do	5.7	8-11	do	4.0
2- 6	P. D. Harrington	5.7	8-22	P. D. Harrington	4.4
2-13	S. M. Christensen	4.5	9- 5	S. M. Christensen	3.5
2-28	do	4.3	9-27	do	10.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
DRINGMAN DRAIN					
Sec. 32-14-33 W.					
10-10	J. H. Hintz	8.9	4-14	J. H. Hintz	8.2
10-25	do	12.7	4-26	do	8.0
11-18	do	7.7	5- 8	do	7.6
1- 3	do	7.6	5-26	do	8.4
1-14	do	7.8	6-16	do	8.4
1-29	do	7.7	7-12	do	9.5
2-11	do	8.4	8- 4	do	9.0
2-24	do	8.1	8-28	do	8.9
3-14	do	7.9	9-24	do	8.5
3-27	do	8.3			
DRY CREEK					
Merriman—Sec. 17-34-37 W.					
3-25	C. D. Christensen	11.1	7- 9	C. D. Christensen	6.2
4-14	do	13.8	8-12	do	.0
5-16	do	7.9	9- 8	do	.0
6-10	do	5.8			
DUGOUT CREEK, LOWER					
Below Cooper Canal—Sec. 4-19-48 W.					
5-23	P. D. Harrington	0.2	9-29	P. D. Harrington	1.7
8-28	do	.3			
DUGOUT CREEK, LOWER					
Above Cooper Canal Headgate—Sec. 4-19-48 W.					
5-23	P. D. Harrington	1.5	8-28	P. D. Harrington	1.6
DUGOUT CREEK, LOWER					
Sec. 27-20-48 W.					
5-23	P. D. Harrington	0.8	8-28	P. D. Harrington	0.9
DUGOUT CREEK, UPPER					
Sec. 20-20-50 W.					
10- 3	S. M. Christensen	9.6	2-13	S. M. Christensen	6.8
10-15	do	8.1	3-20	do	2.0
10-21	do	7.6	4-19	do	.8
11-12	do	6.2	5- 2	do	.7
11-19	do	6.2	5-20	P. D. Harrington	25.0
11-25	do	6.1	6- 7	S. M. Christensen	57.0
12- 2	do	5.0	6-20	Christensen-Ratliff	55.0
12- 9	do	4.9	7-11	S. M. Christensen	24.7
12-20	do	4.2	7-21	Christensen-Kimmel	2090.0
1-10	Christensen-Ratliff	4.5	8- 1	S. M. Christensen	9.0
1-13	S. M. Christensen	4.6	8-11	do	5.1
1-21	do	4.6	8-20	Jack Ratliff	6.2
2- 1	P. D. Harrington	2.7	9-20	S. M. Christensen	21.4
2- 6	do	3.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
ELM CREEK					
Elm Creek—Sec. 33-9-18 W.					
10-15	D. B. Ender	8.5	4- 2	D. B. Ender	0.2
10-29	do	1.6	4-29	do	.4
11-13	do	1.6	6- 3	do	.2
12-10	do	2.3	6-13	do	9.3
12-17	do	1.2	7-22	do	3.7
1- 8	do	.2	8-19	do	.1
1-27	do	.0	9- 4	do	.2
2-18	do	.0	9-17	do	4.1
3-25	do	1.0			
ELM CREEK					
Ord—Sec. 24-19-14 W.					
8-13	W. J. Page	0.6			
FAIRFIELD SEEP					
Sec. 18-21-53 W.					
12- 6	S. M. Christensen	0.4	4- 3	S. M. Christensen	0.5
1-24	do	.2	4-17	do	.4
2- 5	P. D. Harrington	1.2	5-16	do	.2
2-12	S. M. Christensen	.1	5-26	do	.5
3-11	do	.5	7-14	do	.3
3-17	do	.3	8-11	do	.7
3-24	do	.5	9- 5	do	.3
FANNING SEEP					
One-half Mile North of Mitchell Bridge—Sec. 28-23-56 W.					
10- 1	S. M. Christensen	6.1	2-24	S. M. Christensen	6.2
10-10	do	8.7	3-11	do	5.0
10-16	do	6.4	3-19	do	4.7
10-23	do	5.5	3-26	do	3.0
11-13	do	5.4	3-31	do	3.6
11-21	do	6.9	4-14	do	2.4
11-26	do	5.0	5- 5	do	1.1
12- 4	do	7.3	5-14	do	2.8
12-11	do	7.3	5-22	do	1.5
12-24	do	6.7	6- 5	do	2.2
1- 9	do	7.1	7-18	do	2.0
1-14	do	6.3	8- 4	do	2.7
1-22	do	5.6	8-27	do	2.4
1-28	do	5.7	9-16	do	3.6
2-10	do	3.8			
FISH CREEK					
Near Cotesfield—Sec. 7-16-11 W.					
6- 9	W. J. Page	0.0	8-14	W. J. Page	0.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
FREMONT SLOUGH					
North Platte—Sec. 16-13-30 W.					
10- 2	D. B. Ender	10.7	3-29	D. B. Ender	22.8
10-18	Ender-Hintz	24.9	4-19	do	21.0
11- 1	D. B. Ender	20.2	4-26	do	20.9
11- 6	do	21.2	5- 3	do	19.4
11-18	do	34.8	5- 9	do	15.6
11-22	do	24.9	5-23	do	17.3
12- 5	do	22.4	6-10	do	21.5
12-13	do	21.9	6-18	do	25.2
12-21	do	19.3	7- 9	do	13.1
12-28	do	22.1	7-26	do	17.0
1- 9	do	17.9	8- 2	do	11.1
1-24	do	21.9	8-13	do	8.1
2- 6	do	21.4	8-20	do	7.6
2-21	do	22.9	9-18	do	10.8
3- 5	do	19.4			
FREMONT SLOUGH					
Sec. 17-13-29 W.					
10- 2	D. B. Ender	3.4	3-14	D. B. Ender	7.2
10-18	Ender-Hintz	6.5	3-29	do	8.0
11- 1	D. B. Ender	5.5	4-19	do	9.3
11- 6	do	5.7	4-26	do	8.7
11-18	do	9.0	5- 3	do	8.5
11-22	do	7.2	5- 9	do	6.9
12- 5	do	5.9	5-23	do	7.9
12-13	do	5.5	6- 9	do	8.4
12-21	do	5.3	6-18	do	7.1
12-28	do	6.0	7- 9	do	5.2
1- 9	do	6.7	7-26	do	7.7
1-24	do	6.7	8- 2	do	7.0
2- 6	do	7.2	8-13	do	8.2
2-21	do	9.0	8-20	do	8.0
3- 5	do	7.2	9-18	do	6.3
FRENCHMAN RIVER					
Palisade—Sec. 35-5-34 W.					
4- 5	L. F. Zabel	109.0			
FRENCHMAN RIVER					
Above Imperial Power Plant—Sec. 23-6-39 W.					
8-10	Walburn-Williams	29.5			
FRENCHMAN RIVER					
South of Imperial, below Imperial Power Plant—Sec. 30-6-38 W.					
8-10	Walburn-Williams	35.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
FRENCHMAN RIVER					
Above Grosbach-Williams Power Plant—Sec. 6-5-37 W.					
8-11	Walburn-Williams	8.1			
GERING DRAIN					
Sec. 6-21-54 W.					
10- 3	S. M. Christensen	44.5	2-20	S. M. Christensen	27.0
10-11	do	45.8	2-26	do	25.3
10-23	do	40.0	3-17	do	25.3
11-15	C. D. and S. M. Christensen	36.9	3-26	do	26.3
11-21	do	33.8	5-16	do	38.7
12- 6	do	32.2	5-22	do	43.4
1-15	do	25.7	5-30	do	71.3
1-20	S. M. Christensen	24.9	7-14	do	98.2
1-24	do	28.0	8-28	do	61.0
2- 5	P. D. Harrington	27.2	9-18	do	54.4
2-12	S. M. Christensen	24.8	9-30	do	54.4
GORDON CREEK					
Valentine—Sec. 30-33-28 W.					
10-23	C. D. Christensen	7.6	9- 9	C. D. Christensen	5.0
GRAVEL CREEK					
Sec. 9-14-36 W.					
10-25	J. H. Hintz	2.4	3-20	J. H. Hintz	3.0
11-21	do	2.6	4- 3	do	3.5
12-12	do	2.8	4-17	do	3.2
12-19	do	3.1	5- 1	do	2.7
1- 9	do	3.3	5-30	do	2.9
1-23	do	3.0	7-11	do	3.1
2-13	do	3.7	8- 7	do	3.2
2-25	do	3.1	9-17	do	2.7
GREENWOOD CREEK					
Mouth—Sec. 26-19-50 W.					
10-18	P. D. Harrington	5.0	7-28	P. D. Harrington	11.4
10-24	do	8.0	8- 9	do	6.9
11- 1	do	.0	8-15	do	.0
5- 1	do	10.7	8-21	do	.0
5-10	do	.0	8-27	do	.0
5-19	do	.7	9-15	do	6.1
HASKELL CREEK					
Sec. 3-19-14 W.					
6- 4	W. J. Page	49.6	8-13	W. J. Page	0.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
HASKELL CREEK					
Ord—Sec. 4-19-14 W.					
6- 4	W. J. Page	35.4	8-13	W. J. Page	0.5
HAT CREEK					
Sec. 18-34-54 W.					
4- 2	Christensen-Rasmussen	5.5			
HAT CREEK					
Above Coffee Canal—Sec. 35-33-55 W.					
10-24	Christensen-Rasmussen	4.1	7-29	C. D. Christensen	2.2
4- 2	do	3.5	8-15	do	.8
7- 8	C. D. Christensen	4.0			
HERSHEY DRAIN					
Sec. 33-14-32 W.					
10-12	J. H. Hintz	20.5	3-27	J. H. Hintz	18.3
11- 2	do	16.1	4-14	do	19.4
11-23	do	19.5	4-26	do	17.2
12-12	do	16.9	5- 8	do	15.4
12-19	do	18.6	5-26	do	15.1
1- 9	do	19.7	6-16	do	19.7
1-23	do	17.3	7-12	do	16.3
2- 8	do	19.4	8- 4	do	12.7
2-24	do	16.9	8-26	do	11.4
3-14	do	17.4	9-24	do	14.1
INDIAN CREEK					
Northport Wye—Sec. 19-20-50 W.					
10- 8	S. M. Christensen	17.9	2- 6	P. D. Harrington	5.4
10-15	do	12.3	2-13	S. M. Christensen	7.5
10-21	do	10.0	2-28	do	4.8
11-12	do	11.4	3-20	do	2.4
11-19	do	9.9	5- 2	do	1.8
11-25	do	8.3	5-20	P. D. Harrington	17.7
12- 2	do	8.4	5-21	S. M. Christensen	7.9
12- 9	do	6.8	6-20	Christensen-Ratliff	8.0
12-20	do	7.5	7-11	S. M. Christensen	16.0
1-10	Christensen-Ratliff	5.8	8- 1	do	20.3
1-13	S. M. Christensen	6.1	8-11	do	16.7
1-21	do	5.5	9- 5	do	21.7
1-30	do	7.3	9-20	do	20.9
INDIAN CREEK					
Sec. 5-32-50 W.					
7-31	C. D. Christensen	0.2	8-22	P. D. Harrington	20.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
JANSSEN DRAIN DITCH					
SW Corner—Sec. 29-13-27 W.					
4- 4	D. B. Ender	1.1			
JIM CREEK					
Above High Line Canal—Sec. 13-33-57 W.					
4- 1	Christensen-Rasmussen	0.2			
JIM CREEK					
D-543, Above Caladonia Canal—Sec. 13-33-57 W.					
8-15	Christensen-Rasmussen	0.1			
JIM CREEK					
Below Caladonia Canal—NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-33-57 W.					
4- 1	Christensen-Rasmussen	0.6	8-15	Christensen-Rasmussen	0.1
JIM CREEK					
A-2001—SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 14-33-56 W.					
7- 8	C. D. Christensen	0.2	7-29	C. D. Christensen	0.0
JIM CREEK					
A-1999, above Dout Reservoir—Sec. 18-33-56 W.					
10-24	Christensen-Rasmussen	0.2	4- 1	Christensen-Rasmussen	0.4
KINGSLEY DAM SEEPAGE					
Toe Drain at Station 20—Sec. 3-14-38 W.					
10-11	J. H. Hintz	0.0	3-21	J. H. Hintz	0.0
10-25	do	.0	4- 4	do	.0
11-22	do	.0	4-25	do	.0
12-13	do	.0	5- 9	do	.0
1-10	do	.0	7- 4	do	.0
1-24	do	.0	8- 2	do	.0
2-14	do	.0	8-27	do	.0
KINGSLEY DAM SEEPAGE					
Toe Drain at Station 30—Sec. 3-14-38 W.					
10-11	J. H. Hintz	0.0	3-21	J. H. Hintz	0.0
10-25	do	.0	4- 4	do	.0
11-22	do	.0	4-25	do	.0
12-13	do	.0	5- 9	do	.0
1-10	do	.0	7- 4	do	.0
1-24	do	.0	8- 2	do	.0
2-14	do	.0	8-27	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
KINGSLEY DAM SEEPAGE					
Toe Drain at Station 40—Sec. 3-14-38 W.					
10-11	J. H. Hintz	0.0	3-21	J. H. Hintz	0.0
10-25	do	.0	4- 4	do	.0
11-22	do	.0	4-25	do	.0
12-13	do	.0	5- 9	do	.0
1-10	do	.0	7- 4	do	.0
1-24	do	.0	8- 2	do	.0
2-14	do	.0	8-27	do	.0
KINGSLEY DAM SEEPAGE					
Toe Drain at Station 50—Sec. 34-15-38 W.					
10-11	J. H. Hintz	0.0	3-21	J. H. Hintz	0.0
10-25	do	.0	4- 4	do	.0
11-22	do	.0	4-25	do	.0
12-13	do	.0	5- 9	do	.0
1-10	do	.0	7- 4	do	.0
1-24	do	.0	8- 2	do	.0
2-14	do	.0	8-27	do	.0
KINGSLEY DAM SEEPAGE					
Toe Drain at Station 60—Sec. 34-15-38 W.					
10-11	J. H. Hintz	0.7	3-21	J. H. Hintz	1.0
10-25	do	1.0	4- 4	do	.8
11-22	do	.8	4-25	do	.9
12-13	do	1.0	5- 9	do	.8
1-10	do	.8	7- 4	do	1.0
1-24	do	.9	8- 2	do	1.6
2-14	do	1.1	8-27	do	1.2
KINGSLEY DAM SEEPAGE					
Toe Drain at Station 70—Sec. 34-15-38 W.					
10-11	J. H. Hintz	3.9	3-21	J. H. Hintz	3.9
10-25	do	3.9	4- 4	do	3.7
11-22	do	4.4	4-25	do	4.0
12-13	do	4.1	5- 9	do	4.3
1-10	do	4.5	7- 4	do	4.9
1-24	do	4.7	8- 2	do	5.4
2-14	do	4.2	8-27	do	5.8
KINGSLEY DAM SEEPAGE					
Toe Drain at Station 80—Sec. 34-15-38 W.					
10-11	J. H. Hintz	8.2	3-21	J. H. Hintz	8.6
10-25	do	7.8	4- 4	do	7.5
11-22	do	8.5	4-25	do	7.7
12-13	do	8.3	5- 9	do	8.5
1-10	do	8.5	7- 4	do	9.7
1-24	do	8.2	8- 2	do	11.5
2-14	do	8.8	8-27	do	11.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
KINGSLEY DAM SEEPAGE					
Toe Drain at Station 94—Sec. 34-15-38 W.					
10-11	J. H. Hintz	0.0	3-21	J. H. Hintz	0.0
10-25	do	.0	4- 4	do	.0
11-22	do	.0	4-25	do	.0
12-13	do	.0	5- 9	do	.0
1-10	do	.0	7- 4	do	.0
1-24	do	.0	8- 2	do	.0
2-14	do	.0	8-27	do	.0
KINGSLEY DAM SEEPAGE					
Toe Drain at Station 100—Sec. 34-15-38 W.					
10-11	J. H. Hintz	0.5	3-21	J. H. Hintz	0.6
10-25	do	.4	4- 4	do	.6
11-22	do	.4	4-25	do	.4
12-13	do	.5	5- 9	do	.8
1-10	do	.6	7- 4	do	1.2
1-24	do	.5	8- 2	do	2.1
2-14	do	.5	8-27	do	2.9
KRONBERG SEEP					
Sec. 31-23-55 W.					
10- 9	S. M. Christensen	7.1	1- 8	S. M. Christensen	5.8
10-16	do	8.3	1-23	do	5.5
10-22	do	7.9	2-20	do	4.6
11-13	do	7.3	3-19	do	4.1
11-21	do	6.8	3-26	do	3.5
11-27	do	7.7	4-16	do	1.7
12- 4	do	6.5			
LANE DRAIN					
Sec. 30-23-57 W.					
10- 2	S. M. Christensen	9.8	2-20	S. M. Christensen	1.8
10-11	do	4.8	2-25	do	2.9
10-14	C. D. and S. M. Christensen	3.7	3-12	do	2.3
10-23	S. M. Christensen	3.7	3-19	do	3.3
11-14	do	3.9	3-26	do	1.1
11-21	do	2.1	4- 3	do	1.7
11-26	do	1.8	4-16	do	.8
12- 4	do	2.7	5- 7	do	2.0
12-11	do	1.6	5-21	do	.4
1-23	do	1.7	6- 3	do	.8
1-28	do	4.0	7- 8	do	6.6
2- 4	P. D. Harrington	.0	8- 5	do	4.2
2-11	S. M. Christensen	1.9	8-26	do	4.3
			9-16	do	5.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LAWRENCE FORK					
Sec. 36-19-52 W.					
8- 7	C. D. Christensen	0.0	8-27	C. D. Christensen	0.0
8-25	do	.0	8-28	do	.0
8-26	do	.0			
LAWRENCE FORK					
Below Randall Diversion—Sec. 21-18-52 W.					
8-23	P. D. Harrington	2.2	8-28	C. D. Christensen	4.0
8-26	C. D. Christensen	4.2			
LAWRENCE FORK					
Below Niehus Canal, A-550—Sec. 11-18-52 W.					
8- 7	C. D. Christensen	1.6	8-26	C. D. Christensen	4.4
8-25	do	3.0	8-28	do	5.0
LAWRENCE FORK					
Below Crigler Canal—Sec. 1-18-52 W.					
8-25	C. D. Christensen	0.1	8-27	C. D. Christensen	0.0
8-26	do	.0	8-28	do	.0
LAWRENCE FORK					
Below Spring Branch Canal—Sec. 11-18-52 W.					
8- 1	C. D. Christensen	0.1	8-26	C. D. Christensen	1.2
8- 7	do	.2	8-27	do	1.0
8-25	do	.1	8-28	do	1.8
LILLIAN CREEK					
Walworth—Sec. 1-19-20 W.					
6- 2	W. J. Page	0.7	8-20	W. J. Page	0.3
7-16	do	1.0	9- 9	do	.2
LINCOLN COUNTY DRAIN NO. 1					
North Platte—Sec. 30-14-30 W.					
10- 2	J. H. Hintz	78.5	3-25	J. H. Hintz	27.4
10- 9	do	90.7	4- 1	do	27.8
10-24	do	69.1	4-15	do	28.9
10-31	do	63.2	4-28	do	30.8
11-14	do	54.9	5- 5	do	29.9
11-19	do	55.9	5-21	do	33.5
12-10	do	41.9	5-27	do	50.3
12-18	do	40.9	6- 3	do	49.1
1- 2	do	40.6	6-17	do	69.7
1-13	do	37.7	6-30	do	70.2
1-20	do	38.6	7-10	do	80.6
1-27	do	38.4	7-21	do	89.1
2- 3	do	36.9	7-28	do	75.1
2-10	do	37.0	8- 5	do	81.2
2-24	do	27.8	8-12	do	87.4
3-14	do	26.8	8-25	do	100.0
3-18	do	28.3	9-15	do	92.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LINCOLN COUNTY DRAIN NO. 2					
Sec. 12-14-33 W.					
10-12	J. H. Hintz	5.5	3-27	J. H. Hintz	3.0
11- 2	do	4.6	4-14	do	3.2
11-23	do	4.4	4-26	do	3.0
12-12	do	3.5	5- 8	do	2.6
12-19	do	3.4	5-26	do	2.4
1- 9	do	3.2	6-16	do	3.2
1-23	do	2.9	7-12	do	2.9
2- 8	do	2.7	8- 4	do	3.0
2-24	do	2.7	8-26	do	4.0
3-14	do	2.5	9-20	do	4.2
LOGEPOLE CREEK					
Wyoming-Nebraska Line—Sec. 11-14-59 W.					
10-18	Christensen-Hanks	2.3	4- 4	C. D. Christensen	5.6
10-31	C. D. Christensen	2.1	4-24	do	5.6
11-19	do	2.9	5- 5	do	3.2
12- 9	do	3.6	5-21	do	3.5
12-20	do	3.9	5-30	do	4.2
1- 3	do	5.1	6-13	do	3.1
1-14	do	8.2	7- 3	do	2.8
1-22	do	6.3	7-23	do	13.0
2- 5	do	4.9	8- 4	do	2.6
2-17	do	5.0	9- 2	do	2.0
3- 3	do	4.5	9-24	do	2.3
3-18	do	4.8			
LOGEPOLE CREEK					
Below Oliver Reservoir—Sec. 31-15-56 W.					
10-18	Christensen-Hanks	2.7	4- 4	C. D. Christensen	4.9
10-31	C. D. Christensen	3.2	4-24	do	3.1
11-19	do	3.4	5- 6	do	3.6
12- 9	do	3.6	5-21	do	.9
12-20	do	3.6	5-30	do	1.0
1- 3	do	2.6	6-13	do	1.5
1-14	do	3.1	7- 2	do	3.0
1-22	do	3.5	7-23	do	2.0
2- 5	do	4.0	8- 4	do	1.9
2-17	do	4.1	9- 2	do	.6
3- 3	do	3.7	9-24	do	.8
3-18	do	3.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Kimball—Sec. 29-15-55 W.					
11-19	C. D. Christensen	10.7	4-25	C. D. Christensen	3.7
12- 9	do	10.2	5- 6	do	.0
1- 3	do	9.2	5-21	do	2.5
1-14	do	15.5	5-30	do	11.0
1-22	do	10.1	6-13	do	8.9
2- 5	do	13.6	7-22	do	1.9
2-17	do	10.5	8- 6	do	.6
3- 3	do	11.8	9- 2	do	.1
3-18	do	10.0	9-24	do	2.0
4- 4	do	10.9			

LODGEPOLE CREEK

Above Bennett Reservoir—Sec. 28-15-55 W.

10-18	C. D. Christensen	8.2	4- 4	C. D. Christensen	9.0
10-31	do	9.7	4-25	do	4.5
12-20	do	10.1	5- 6	do	.0
1-14	do	12.1	5-21	do	4.1
1-22	do	9.6	5-30	do	5.2
2- 5	do	21.5	6-13	do	7.9
2-17	do	10.0	7- 2	do	7.4
3- 3	do	19.8	7-22	do	.8
3-18	do	8.6	9-24	do	1.8

LODGEPOLE CREEK

Below Bennett Reservoir—Sec. 22-15-55 W.

10-18	Christensen-Hanks	0.9	3-18	C. D. Christensen	2.4
10-31	C. D. Christensen	.6	4- 4	do	6.1
11-19	do	1.0	4-25	do	4.6
12- 9	do	1.2	5- 6	do	4.4
12-20	do	1.2	5-21	do	1.1
1- 3	do	1.9	5-30	do	.8
1-14	do	2.7	6-13	do	1.1
1-22	do	2.3	7- 2	do	5.1
2- 5	do	3.0	8- 6	do	4.3
2-17	do	2.7	9- 2	do	3.1
3- 3	do	2.6	9-24	do	1.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Dix—Sec. 26-15-54 W.					
10-18	Christensen-Hanks	0.0	4- 4	C. D. Christensen	4.6
10-31	C. D. Christensen	2.0	4-24	do	.5
11-19	do	.0	5- 6	do	.0
12- 9	do	.9	5-21	do	.0
12-20	do	.0	5-30	do	.0
1-14	do	.0	6-14	do	.0
1-22	do	2.0	7- 2	do	0
2- 5	do	10.4	7-22	do	.0
2-17	do	2.7	8- 6	do	.0
3- 3	do	7.3	9-23	do	.0
3-18	do	2.9			

LODGEPOLE CREEK

Potter—Sec. 6-14-52 W.

10-18	Christensen-Hanks	0.0	4-24	C. D. Christensen	0.0
11-19	C. D. Christensen	.0	5- 6	do	.0
12-20	do	.0	5-21	do	.0
1- 3	do	.0	5-30	do	.0
1-14	do	.0	6-14	do	.0
1-22	do	.0	7- 2	do	.0
2- 5	do	.0	7-22	do	.0
2-17	do	.0	8- 6	do	.0
4- 4	do	.0	9-22	do	.0

LODGEPOLE CREEK

Brownson—Sec. 13-14-51 W.

5- 7	C. D. Christensen	0.0	7- 2	C. D. Christensen	2.5
5-20	do	.0	8-30	do	.0
5-31	do	.0	9-23	do	.0

LODGEPOLE CREEK

South of Brownson—West Line Sec. 19-14-50 W.

1-13	C. D. Christensen	0.0	4- 5	C. D. Christensen	0.0
2- 4	do	.0	4-23	do	.0
2-18	do	.8	6-14	do	.0
3- 4	do	.6	7-22	do	.0
3-18	do	.0	8- 6	do	.0

LODGEPOLE CREEK

Above Runge Canal—West Line Sec. 20-14-50 W.

1-13	C. D. Christensen	0.6	5-31	C. D. Christensen	0.6
4-23	do	.8	6-14	do	.7
5- 7	do	.8	9-23	do	.6
5-20	do	.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Below Runge Canal—South Line Sec. 20-14-50 W.					
1-13	C. D. Christensen	1.6	5-20	C. D. Christensen	1.8
2- 4	do	.8	5-31	do	1.6
2-18	do	1.0	6-14	do	1.7
3- 4	do	.9	7- 2	do	3.4
3-18	do	2.2	7-22	do	1.4
4- 5	do	2.0	8- 6	do	.6
4-23	do	1.7	8-30	do	.9
5- 7	do	1.8			
LODGEPOLE CREEK					
One Mile East and One Mile South of Runge Canal East Line Sec. 33-14-50 W.					
2- 4	C. D. Christensen	0.1	5-20	C. D. Christensen	0.9
2-18	do	.5	5-31	do	.6
3- 4	do	.8	6-14	do	.9
3-18	do	.4	7- 2	do	1.4
4- 5	do	.1	7-22	do	1.6
4-23	do	1.1	8-30	do	.3
5- 7	do	.7	9-23	do	.2
LODGEPOLE CREEK					
Airport—East Line—Sec. 34-14-50 W.					
5- 7	C. D. Christensen	0.0	8- 6	C. D. Christensen	0.2
5-31	do	.0	8-30	do	.1
7- 2	do	1.1	9-23	do	.0
LODGEPOLE CREEK					
East of Airport—West Line Sec. 35-14-50 W.					
3-18	C. D. Christensen	0.0	5- 7	C. D. Christensen	0.0
4-23	do	.0	5-20	do	.0
LODGEPOLE CREEK					
Sidney City Park—Sec. 31-14-49 W.					
5- 7	C. D. Christensen	0.0	8-30	C. D. Christensen	0.2
LODGEPOLE CREEK					
Sidney City Park—Sec. 6-13-49 W.					
1-13	C. D. Christensen	0.0	7- 2	C. D. Christensen	0.4
3-19	do	.0	7-22	do	.0
4- 5	do	.0	8- 6	do	.2
4-23	do	.0	8-30	do	.0
5-31	do	.0	9-23	do	.0
6-14	do	.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Sidney—Sec. 31-14-49 W.					
10-31	C. D. Christensen	0.5	1-13	C. D. Christensen	0.6
11-19	do	.4	1-22	do	.7
12- 9	do	.4	2- 4	do	.0
12-19	do	.5	2-18	do	.0
1-14	do	.0			
LODGEPOLE CREEK					
East of Sidney—Sec. 32-14-49 W.					
2- 4	C. D. Christensen	0.5	5-13	C. D. Christensen	0.3
LODGEPOLE CREEK					
On Highway 19—Sec. 5-13-49 W.					
3-19	C. D. Christensen	0.8	7- 2	C. D. Christensen	0.8
4- 7	do	.6	7-22	do	.8
4-23	do	.7	8- 6	do	.4
5-20	do	.4	9-23	do	.6
5-21	do	.2			
LODGEPOLE CREEK					
West Line of Sec. 33-14-49 W.					
1-13	C. D. Christensen	0.2	1-22	C. D. Christensen	1.4
1-15	do	.9	2- 4	do	.8
LODGEPOLE CREEK					
Passing Bordwell Diversion—Sec. 35-14-49 W.					
1-15	C. D. Christensen	10.2	3- 4	C. D. Christensen	5.2
1-23	do	5.7	3-19	do	5.5
2- 6	do	5.9	4- 7	do	5.7
2-18	do	5.4			
LODGEPOLE CREEK					
Above Krueger Canal—Sec. 31-14-48 W.					
12-10	C. D. Christensen	3.4	4-23	C. D. Christensen	6.0
12-19	do	6.6	5- 7	do	5.0
1- 4	do	4.1	5-20	do	7.6
1-15	do	7.1	5-31	do	5.8
1-23	do	4.5	6-17	do	5.6
2- 6	do	6.3	7- 1	do	14.2
2-18	do	7.0	7-21	do	6.7
3- 4	do	6.1	8- 5	do	4.6
3-19	do	6.0	8-29	do	2.6
4- 7	do	6.1	9-23	do	4.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Below Krueger's Lake—SW $\frac{1}{4}$ Sec. 29-14-48 W.					
1-15	C. D. Christensen	3.7	5-20	C. D. Christensen	0.9
1-23	do	4.6	5-31	do	.6
2- 6	do	5.7	6-17	do	.5
2-18	do	5.7	7- 1	do	18.2
3- 4	do	6.3	7-21	do	1.3
3-19	do	4.3	8- 5	do	.2
4- 7	do	.3	8-29	do	.2
4-23	do	.5	9-23	do	1
5- 2	do	.4			
LODGEPOLE CREEK					
South of Sunol—East Line Sec. 36-14-48 W.					
10-31	C. D. Christensen	5.1	4-23	C. D. Christensen	1.1
11-20	do	1.0	5- 7	do	1.5
1- 4	do	1.1	5-20	do	1.0
1-15	do	1.3	6-17	do	.9
1-23	do	1.1	7- 1	do	18.2
2- 6	do	.9	7-21	do	1.4
2-18	do	1.0	8- 5	do	4.8
3- 4	do	1.4	8-29	do	.8
3-19	do	1.7	9-23	do	.6
4- 7	do	1.5			
LODGEPOLE CREEK					
Lodgepole—Sec. 31-14-46 W.					
7-21	C. D. Christensen	6.3	8-29	C. D. Christensen	2.7
8- 5	do	3.4			
LODGEPOLE CREEK					
West of Lodgepole—Sec. 30-14-46 W.					
10-31	C. D. Christensen	1.2	3-19	C. D. Christensen	5.8
12-10	do	3.2	4-23	do	6.4
12-19	do	3.6	5- 8	do	2.6
1-23	do	2.5	5-19	do	4.5
2- 6	do	3.5	6-16	do	7.8
2-18	do	4.1	7- 1	do	23.0
3- 4	do	8.0	9-22	do	2.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOGGEPOLK CREEK					
Chappell—East Line Sec. 21-13-45 W.					
11-20	C. D. Christensen	4.8	4-21	C. D. Christensen	9.2
12-10	do	1.8	5- 8	do	3.4
12-19	do	9.0	5-19	do	5.2
1- 4	do	5.3	6-16	do	17.2
1-15	do	2.6	6-22	do	168.0
1-23	do	4.8	7- 1	do	49.5
2- 6	do	8.7	7-21	do	12.6
2-18	do	13.4	8- 5	do	11.5
3- 4	do	11.2	8-29	do	4.7
3-19	do	10.9	9-22	do	4.8

LOGGEPOLK CREEK

Interstate Station at Ralton—Sec. 12-12-45 W.

2- 6	C. D. Christensen	2.9	5-29	C. D. Christensen	8.8
2-18	do	14.1	6-16	do	19.1
3- 4	do	14.0	7- 1	do	61.7
3-19	do	13.4	7-21	do	3.5
4-17	do	9.7	8- 5	do	4.8
4-21	do	1.2	8-28	do	1.7
5- 8	do	.6	9-22	do	1.2
5-19	do	.6			

LOGGEPOLK CREEK

Miscellaneous Locations

11-20	C. D. Christensen	3.8	Lodgepole Sec. 35-14-47 W.
10-31	do	9.0	Sec. 31-15-57 W.
1-22	do	1.2	East Runge Sec. 29-14-50 W.

LONERGAN CREEK

Lemoyne—Sec. 17-15-39 W.

10-9	P. D. Harrington	5.7	4-15	P. D. Harrington	5.5
10-24	do	6.4	4-30	do	5.6
11-20	do	6.4	5-15	do	6.2
12- 4	do	4.9	5-27	do	3.9
12-18	do	6.0	6-26	do	4.6
1-14	do	6.7	7-17	do	5.0
1-28	do	6.3	7-29	do	4.5
2-13	Harrington-Ratliff	7.7	8-14	do	6.2
2-27	do	6.1	8-28	do	4.2
3-13	P. D. Harrington	6.5	9-10	do	4.6
3-25	do	5.2	9-23	do	4.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued**Year Ending September 30, 1947**

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOST CREEK					
Sec. 1-16-44 W.					
12- 4	P. D. Harrington	0.0	5-29	P. D. Harrington	3.3
12-11	do	.0	9- 4	do	4.8
1-15	do	.0	9-10	do	6.1
1-22	Harrington-Hanks	.0			
MELBETA DRAIN					
One-half Mile West of Melbeta Bridge—Sec. 13-21-54 W.					
10- 3	S. M. Christensen	2.9	2-26	S. M. Christensen	3.2
10-11	do	2.4	3-11	do	2.0
10-23	do	2.3	3-19	do	2.9
11-15	C. D. and S. M. Christensen	2.8	4- 4	do	2.9
11-21	S. M. Christensen	2.4	5- 2	do	1.4
1-15	do	3.8	5-16	do	2.3
1-24	do	4.0	5-30	do	3.7
1-30	do	3.4	7-14	do	6.3
2- 5	P. D. Harrington	1.7	9-18	do	15.4
2-12	S. M. Christensen	1.0			
MESSENGER CREEK					
Sumter—Sec. 26-19-13 W.					
6- 4	W. J. Page	2.6	8-13	W. J. Page	0.3
MINNECHADUZA CREEK					
Near Valentine—Sec. 23-34-29 W.					
10-17	Christensen-Hanks	28.9	4-14	C. D. Christensen	48.4
12- 3	do	28.4	5-15	do	21.1
12-18	C. D. Christensen	17.7	6-10	do	54.6
1- 9	do	21.2	6-25	do	41.9
1-28	Christensen-Hanks	32.2	7-10	do	16.5
2-12	C. D. Christensen	16.8	8-12	do	9.1
2-25	do	25.6	9-10	do	12.5
3-10	do	33.6	9-30	do	11.9
3-25	do	46.3			
MINNECHADUZA CREEK					
Crookston—Sec. 8-34-29 W.					
11-22	Christensen-Ratliff	33.2			
MIRA CREEK					
North Loup—Sec. 26-18-13 W.					
8-13	W. J. Page	0.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
MONROE CREEK					
Below Monroe Canal—Sec. 33-33-56 W.					
10-24	Christensen-Rasmussen	0.2	7- 8	C. D. Christensen	2.4
4- 1	do	.5	7-28	do	.8
6- 6	do	1.5	8-15	Christensen-Rasmussen	.6
6-27	C. D. Christensen	1.6			
MONROE CREEK					
Headgate of D-509, Niobrara River—Sec. 27-33-56 W.					
6- 6	C. D. Christensen	1.7	7-28	C. D. Christensen	1.1
6-27	do	.7	8-15	do	.7
7- 8	do	2.5			
MONROE CREEK					
Above Reservoir—Sec. 14-33-56 W.					
4- 1	Christensen-Rasmussen	0.3	7-29	C. D. Christensen	2.1
6- 6	do	.9	8-15	Christensen-Rasmussen	.9
7- 8	C. D. Christensen	1.9			
MONROE CREEK					
Above Jordan Reservoir—Sec. 23-33-56 W.					
10-24	Christensen-Rasmussen	0.2			
MONROE CREEK					
Below Jordan Canal—Sec. 22-33-56 W.					
10-24	Christensen-Rasmussen	0.0	6- 6	Christensen-Rasmussen	0.6
MOON CREEK					
Loup City—Sec. 10-15-15 W.					
5-27	W. J. Page	0.3	8-20	W. J. Page	0.5
6-11	do	.2			
MUNSON CREEK					
Elba—Sec. 33-16-11 W.					
6- 9	W. J. Page	0.4	8-14	W. J. Page	0.0
NIORARA RIVER					
Wyoming-Nebraska State Line—Sec. 20-31-57 W.					
10-16	Christensen-Hanks	6.3	3-27	C. D. Christensen	4.0
10-24	Christensen-Rasmussen	12.3	4-16	do	6.6
12- 4	Christensen-Hanks	5.0	5-14	do	9.8
12-16	C. D. Christensen	5.4	6- 6	do	5.8
1-10	do	3.8	6-27	do	12.0
2-14	do	4.8	7-25	do	5.0
2-26	do	5.1	8-22	do	3.0
3-13	do	6.1	9- 4	do	2.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
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NIOBRARA RIVER

South of Harrison—Sec. 9-29-56 W.

10-16	Christensen-Hanks	13.5	7-25	C. D. Christensen	11.9
12- 4	do	15.5	8-22	do	7.7
6- 5	Christensen-Rasmussen	11.3	9- 4	do	7.9
6-26	C. D. Christensen	18.8			

NIOBRARA RIVER

Agate—Sec. 7-28-55 W.

10-15	Christensen-Hanks	21.9	5- 1	C. D. Christensen	16.9
12- 4	do	26.6	5-14	do	12.7
12-16	C. D. Christensen	23.7	6- 5	Christensen-Rasmussen	12.6
2-14	do	22.8	6-19	C. D. Christensen	18.2
2-26	do	12.6	7-25	do	21.6
3-13	do	19.9	8-22	do	10.0
3-27	do	23.8	9- 5	do	10.4
4-16	do	13.6			

NIOBRARA RIVER

Sec. 1-28-54 W.

6- 2	Christensen-Rasmussen	13.2			
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NIOBRARA RIVER

Below Mouth of Whistle Creek—Sec. 7-28-53 W.

10-15	Christensen-Hanks	18.3	7-25	C. D. Christensen	22.4
4-16	C. D. Christensen	32.6	8-21	do	9.9
6-19	do	17.7	9- 5	do	10.9

NIOBRARA RIVER

East of Marsland—Sec. 36-29-51 W.

10-15	Christensen-Hanks	33.0	4-30	C. D. Christensen	30.6
1-30	Christensen-Hanks	39.1	5-14	do	16.6
2-14	C. D. Christensen	28.6	6- 5	Christensen-Rasmussen	17.7
2-26	do	40.0	6-19	C. D. Christensen	26.8
3-13	do	43.7	7-24	do	35.1
3-27	do	51.4	8-21	do	23.0
4-16	do	43.2	9- 5	do	8.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
NIOBRARA RIVER					
Above Box Butte Reservoir, Taylor Station—Sec. 27-29-50 W.					
10-15	Christensen-Hanks	44.8	4-16	C. D. Christensen	52.0
10-22	C. D. Christensen	42.8	4-30	do	36.3
11-23	Christensen-Ratliff	46.2	5-14	do	22.5
12- 5	Christensen-Hanks	51.0	5-27	Christensen-Rasmussen	19.6
12-16	C. D. Christensen	60.3	6-18	C. D. Christensen	60.9
1-11	do	42.0	6-26	do	76.7
1-30	Christensen-Hanks	45.9	7-11	do	54.4
2-14	C. D. Christensen	45.8	7-24	do	46.6
2-26	do	55.0	8-13	do	30.2
3-13	do	65.1	8-20	do	27.9
3-27	do	62.2	9- 5	do	16.8
NIOBRARA RIVER					
South of Rushville—Sec. 28-30-44 W.					
7-10	C. D. Christensen	75.8	9-10	C. D. Christensen	33.4
8-12	do	33.4	9-30	do	47.9
NIOBRARA RIVER					
Two miles East of Box Butte Reservoir—Sec. 36-29-49 W.					
6-18	C. D. Christensen	27.8	8-13	C. D. Christensen	120.0
NIOBRARA RIVER					
Below Potmesil Canal—Sec. 26-29-48 W.					
10-15	C. D. Christensen	4.2	9- 6	C. D. Christensen	0.0
8-20	do	.0	9-12	do	.0
OAK CREEK					
Dannebrog—West Line of Sec. 9-13-11 W.					
6-11	W. J. Page	0.0	8-21	W. J. Page	0.0
OTTER CREEK					
Lemoyne—Sec. 32-16-40 W.					
10- 9	P. D. Harrington	16.5	4-15	P. D. Harrington	18.7
10-23	do	16.9	4-30	do	19.7
11-20	do	19.8	5-15	do	19.4
12- 4	do	19.6	5-27	do	18.4
12-18	do	17.5	6-26	do	18.9
1-14	do	24.3	7-17	do	19.6
1-28	do	21.4	7-29	do	22.3
2-13	Harrington-Ratliff	20.4	8-14	do	19.3
2-27	do	19.2	8-28	do	17.9
3-13	P. D. Harrington	20.2	9-10	do	19.8
3-25	do	19.0	9-23	do	20.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
PAWNEE CREEK					
Sec. 4-12-27 W.					
10-22	D. B. Ender	8.8	3-27	D. B. Ender	8.4
10-30	do	6.7	4-14	do	11.2
11-14	do	12.2	5- 2	do	5.0
11-20	do	12.7	5- 8	do	3.4
12- 2	do	6.3	5-22	do	3.0
12-12	do	8.0	6-10	do	4.6
12-20	do	5.1	7-16	do	10.5
1-17	do	2.4	7-25	do	7.6
2- 8	do	7.3	8- 8	do	3.2
2-20	do	8.6	8-14	do	2.1
3- 7	do	4.9	9- 8	do	2.1
3-13	do	15.2			
PINE CREEK					
Colclessor Mill—Sec. 33-30-44 W.					
7-10	C. D. Christensen	23.1	9-30	C. D. Christensen	16.6
8-12	do	12.0			
PRAIRIE DOG CREEK					
Above D-508, Schilt-Prairie Dog Canal—Sec. 35-33-56 W.					
10-24	Christensen-Rasmussen	0.1	7- 8	C. D. Christensen	0.2
4- 1	do	.0			
PRAIRIE DOG CREEK					
Below D-508, Schilt-Prairie Dog Canal—Sec. 35-33-56 W.					
10-24	Christensen-Rasmussen	0.0	7- 8	C. D. Christensen	0.0
PRAIRIE DOG CREEK					
Below confluence with Little Red Creek—Sec. 25-33-56 W.					
10-24	Christensen-Rasmussen	0.0			
PUMPKINSEED CREEK					
Below Mutual Canal—Sec. 33-19-52 W.					
7- 3	C. D. Christensen	18.5	9- 3	C. D. Christensen	0.9
8- 1	do	10.4	9-25	Christensen-Harrington	8.6
PUMPKINSEED CREEK					
Gering-Kimball Highway—Sec. 4-19-55 W.					
5- 5	C. D. Christensen	1.2	8- 1	C. D. Christensen	2.0
5-22	do	2.5	9- 3	do	.8
7- 2	do	5.5	9-25	do	2.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
PUMPKINSEED CREEK					
Sec. 39-19-52 W.					
5- 9	C. D. Christensen	7.3	5-22	C. D. Christensen	7.4
PUMPKINSEED CREEK					
Above Heard Canal—North Line of Sec. 14-19-54 W.					
5- 9	C. D. Christensen	2.2	5-22	C. D. Christensen	2.7
PUMPKINSEED CREEK					
Below Birdcage-Quinn Canal—Sec. 20-19-51 W.					
8- 1	C. D. Christensen	0.1			
RED CREEK, LITTLE					
Above confluence with Prairie Dog—Sec. 26-33-56 W.					
4- 1	Christensen-Rasmussen	0.3			
RED CREEK, LITTLE					
Below Zerbst Canal—Sec. 34-33-56 W.					
10-24	Christensen-Rasmussen	0.0	4- 1	Christensen-Rasmussen	0.1
RED WILLOW CREEK					
North of McCook—Sec. 6-4-29 W.					
10-15	J. N. Walburn	48.6	2-17	J. N. Walburn	35.6
10-28	do	26.5	3- 3	do	22.7
11-12	R. G. Meininger	33.9	3-17	do	29.7
11-25	J. N. Walburn	33.1	3-31	do	30.7
12- 9	do	26.8	4-14	do	48.4
12-23	A. E. Hulme	24.5	4-21	do	30.1
1- 6	J. N. Walburn	18.2	5- 8	do	20.7
1-20	do	26.0	5-22	do	28.2
2- 3	do	23.1	6- 2	do	22.8
2- 6	do	29.6	6-19	do	48.6
REPUBLICAN RIVER, NORTH FORK					
Colorado-Kansas State Line					
7-18	Lind-McKinney	22.4			
REPUBLICAN RIVER, SOUTH FORK					
Colorado-Kansas State Line					
6-30	J. N. Walburn	24.0	8-26	D. T. Hartley	8.0
7- 7	do	8.1	9- 4	do	1.0
7-17	Lind-McKinney	28.3	9- 8	do	.4
7-23	J. N. Walburn	35.8	9-15	do	4.7
7-29	do	16.1	9-22	do	3.8
8- 6	D. T. Hartley	7.7	9-29	do	13.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
REPUBLICAN RIVER, SOUTH FORK					
Hale, Colorado					
6-30	J. N. Walburn	28.4	8-26	D. T. Hartley	1.3
7- 7	do	7.9	9- 4	do	6.7
7-17	Lind-McKinney	25.9	9- 8	do	3.5
7-23	J. N. Walburn	35.2	9-15	do	10.2
7-29	do	20.2	9-22	do	9.0
8- 6	D. T. Hartley	9.2	9-29	do	16.8

REPUBLICAN RIVER
Max—Sec. 32-2-36 W.

10- 8	Meininger-Summers	160.0	11-25	Meininger-Yutzy	203.0
10-14	R. G. Meininger	137.0	12- 2	do	178.0
10-22	do	140.0	12- 9	R. G. Meininger	158.0
10-29	do	127.0	12-16	do	154.0
11- 4	do	230.0	12-23	do	201.0
11-15	do	242.0	12-30	do	36.9
11-18	Meininger-Yutzy	318.0			

SALT CREEK

Ashland—West Line of Sec. 10-12-9 E.

6- 2	Leeson-Schaefer	5720.0
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SAND CREEK

Above New Highway—Sec. 34-16-40 W.

10- 9	P. D. Harrington	4.2	4-30	P. D. Harrington	3.6
11-20	do	4.1	5-15	do	3.2
12- 4	do	3.4	5-27	do	3.6
12-18	do	4.1	6-26	do	3.0
1-14	do	3.5	7-17	do	2.4
1-28	do	3.2	7-29	do	3.7
2-13	Harrington-Ratliff	3.4	8-14	do	2.6
2-27	do	3.8	8-28	do	5.2
3-13	P. D. Harrington	3.0	9-10	do	3.8
3-25	do	3.3	9-23	do	4.7
4-15	do	3.1			

SAND CREEK
Sec. 10-15-40 W.

11-20	P. D. Harrington	19.8
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DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SARBEN SLOUGH					
Sec. 20-14-35 W.					
10-10	J. H. Hintz	10.2	3-20	J. H. Hintz	6.5
10-25	do	8.1	4- 3	do	6.1
11-21	do	8.0	4-17	do	5.5
12-12	do	6.7	5- 1	do	5.1
12-19	do	7.0	5-30	do	6.4
1- 9	do	5.9	7- 4	do	6.0
1-23	do	5.8	8- 7	do	4.9
2- 8	do	6.1	8-21	do	5.8
2-13	do	6.3	9-17	do	6.6
2-25	do	5.7			
SCOTTSLUFF DRAIN NO. 1					
Sec. 25-22-55 W.					
10- 3	S. M. Christensen	16.7	3-19	S. M. Christensen	12.8
10- 9	do	14.7	3-26	do	13.2
10-22	do	12.0	4- 3	do	11.9
11-13	do	11.7	4-16	do	8.6
11-21	do	10.0	5- 7	do	9.2
11-27	do	13.9	5-14	do	7.0
12- 4	do	12.5	5-21	do	6.8
12-24	do	10.5	6- 3	do	9.8
1- 6	do	11.7	6-30	do	13.5
1-15	do	11.6	7- 8	do	12.8
1-22	do	11.4	7-15	do	11.1
1-29	do	10.8	8-14	do	11.6
2- 5	P. D. Harrington	7.5	8-27	do	15.8
2-11	S. M. Christensen	6.9	9-10	do	18.5
2-25	do	13.2	9-18	do	14.1
3-11	do	13.2	9-30	do	14.4
SCOTTSLUFF DRAIN NO. 2					
Sec. 34-22-54 W.					
10- 3	S. M. Christensen	3.6	3-19	S. M. Christensen	1.2
10- 9	do	5.9	3-25	do	.5
10-22	do	5.0	4- 3	do	.9
11-14	do	3.5	4-16	do	.7
11-21	do	3.1	5- 7	do	.7
11-27	do	1.7	5-15	do	4.7
12- 4	do	2.5	7- 1	do	5.0
12-24	do	3.4	7- 8	do	2.4
1- 6	do	4.9	7-15	do	1.9
1-14	do	4.7	8-14	do	4.3
1-22	do	3.2	9-10	do	4.2
2- 5	P. D. Harrington	1.0	9-18	do	3.0
2-25	S. M. Christensen	6.7	9.30	do	4.3
3-11	do	.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SCOUT CREEK					
North Platte—Sec. 20-14-30 W.					
10- 2	J. H. Hintz	18.9	6- 3	J. H. Hintz	10.4
10- 9	do	21.6	6-17	do	16.5
10-24	do	2.3	6-30	do	19.5
10-31	do	1.6	7-10	do	28.4
11-14	do	2.3	7-21	do	27.0
11-19	do	2.9	7-28	do	16.6
12-10	do	.9	8- 5	do	1.5
1-13	do	.5	8-12	do	7.8
1-27	do	.4	8-25	do	27.8
4-15	do	1.0	9-15	do	26.5
5-21	do	1.7			

SHUPPE CREEK, EAST
 Sec. 3-23-58 W.

12- 7 S. M. Christensen 0.4

SHUPPE CREEK, WEST
 Sec. 3-23-58 W.

12- 7 S. M. Christensen 0.2

SHEPHERD CREEK
 Near North Loup—Sec. 30-18-12 W.

6- 9 W. J. Page 0.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SILVERNAIL DRAIN					
Sec. 6-19-49 W.					
10- 3	P. D. Harrington	6.7	3- 6	P. D. Harrington	4.8
10-11	Harrington-Ratliff	7.6	3-13	do	4.5
10-17	P. D. Harrington	8.2	3-20	do	5.1
10-25	Jack Ratliff	7.3	3-28	do	4.7
11-20	P. D. Harrington	7.1	4-16	do	4.1
11-27	do	7.9	4-25	do	4.2
12- 5	do	6.8	4-30	do	4.1
12-11	do	6.2	5- 8	do	4.3
12-19	do	6.9	5-20	do	26.7
1- 9	do	6.6	5-30	do	11.8
1-16	do	5.3	7-10	do	9.5
1-23	Harrington-Hanks	5.3	8- 1	do	4.2
2- 1	P. D. Harrington	5.6	8-15	do	14.0
2- 6	Hanks-Christensen	5.5	8-21	do	4.0
2-13	Harrington-Ratliff	4.6	9- 4	do	11.7
2-20	Ratliff-Hintz	4.8	9-20	do	20.6
2-27	Harrington-Ratliff	4.5	9-29	do	24.1
SKUNK CREEK					
Sec. 1-14-37 W.					
10-25	J. H. Hintz	2.2	3-20	J. H. Hintz	2.7
11-21	do	2.6	4- 3	do	2.9
12-12	do	2.4	4-17	do	2.8
12-19	do	2.7	5- 1	do	2.6
1- 9	do	2.6	5-30	do	2.9
1-23	do	3.0	7-11	do	2.6
2-13	do	3.4	8- 7	do	2.6
2-25	do	2.6	9-17	do	2.6
SOLDIER CREEK					
Above Ft. Robinson Reservoir—Sec. 3-31-53 W.					
6- 4	C. D. Christensen	3.9	7-29	C. D. Christensen	2.8
SOLDIER CREEK					
Below Ft. Robinson Reservoir—Sec. 16-31-52 W.					
7-29	C. D. Christensen	0.0			
SOW BELLY CREEK					
Below Canals—Sec. 17-33-55 W.					
4- 2	Christensen-Rasmussen	0.7	7-29	C. D. Christensen	3.0
6- 6	do	4.3	8-15	Christensen-Rasmussen	1.7
7- 8	C. D. Christensen	7.7			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
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SOW BELLY CREEK

Below Zimmerman Canal—Sec. 34-33-55 W.

4- 1 Christensen-Rasmussen 0.8

SOW BELLY CREEK

Sec. 5-32-55 W.

4- 1 Christensen-Rasmussen 0.2 8-15 Christensen-Rasmussen 1.4

SOW BELLY CREEK

Sec. 9-33-55 W.

8-15 Christensen-Rasmussen 1.5

SPOTTED TAIL CREEK, DRY

Sec. 28-23-56 W.

10- 2	S. M. Christensen	55.7	3-19	S. M. Christensen	24.0
10- 9	do	69.7	3-26	do	31.4
10-16	do	57.4	4- 3	do	28.2
10-22	do	49.4	4-16	do	35.2
11-14	do	37.7	5- 7	do	76.9
11-21	do	33.8	5-15	do	48.9
11-26	do	32.7	5-21	do	40.7
12- 4	do	31.4	6- 3	do	40.4
12-11	do	29.3	6- 9	do	35.2
1- 8	do	29.1	6-30	do	52.5
1-15	do	31.1	7-11	do	43.2
1-23	do	30.5	8- 5	do	71.3
1-28	do	31.0	8-15	do	29.3
2- 5	P. D. Harrington	29.6	8-26	do	36.3
2-11	S. M. Christensen	27.8	9- 9	do	44.0
2-20	do	30.0	9-18	do	81.1
2-25	do	27.1	9-30	do	79.4
3-12	do	25.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SPOTTED TAIL CREEK, WET					
Sec. 6-22-55 W.					
10- 3	S. M. Christensen	19.9	3-12	S. M. Christensen	12.7
10- 9	do	20.6	3-19	do	14.0
10-16	do	18.3	3-26	do	15.0
10-22	do	19.2	4- 3	do	15.4
11-13	do	16.6	4-16	do	13.9
11-21	do	16.2	5- 5	do	11.5
11-27	do	15.7	5-15	do	13.3
12- 4	do	15.5	5-22	do	13.6
12-11	do	15.9	6- 3	do	14.0
1- 8	do	14.0	6-30	do	11.0
1-15	do	13.1	8- 5	do	10.5
1-23	do	12.7	8-14	do	13.2
2- 5	P. D. Harrington	14.3	8-26	do	14.1
2-11	S. M. Christensen	13.5	9- 9	do	15.0
2-20	do	14.6	9-18	do	18.6
2-25	do	15.4	9-30	do	20.4
SPRING CREEK					
Wyoming-Nebraska Line—Sec. 4-23-58 W.					
10- 2	S. M. Christensen	10.0	5-14	S. M. Christensen	7.5
5- 2	do	7.6	5-20	do	9.4
5- 6	do	7.4			
SPRING CREEK					
Sumter—Sec. 21-19-13 W.					
6- 4	W. J. Page	15.3	8-13	W. J. Page	0.6
SQUAW CREEK, BRANCH					
Below Diversion Dam for A-627—Sec. 10-33-57 W.					
4- 2	Christensen-Rasmussen	0.2			
SQUAW CREEK					
Above Shepherd Canal—Sec. 36-34-57 W.					
4- 1	Christensen-Rasmussen	0.3			
SQUAW CREEK					
Below Shepherd Canal—Sec. 36-34-57 W.					
4- 1	Christensen-Rasmussen	0.0			
SQUAW CREEK					
Above McDowell's Reservoir—Sec. 12-31-52 W.					
4- 3	C. D. Christensen	0.6	4-29	C. D. Christensen	0.4
4-17	do	.7	7-31	do	.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SQUAW CREEK					
Below McDowell's Reservoir—Sec. 1-31-52 W.					
4- 3	C. D. Christensen	6.3	4-29	C. D. Christensen	0.2
4-17	do	.3	7-31	do	.2
STREVER CREEK					
South of Overton—Sec. 1-8-20 W.					
10- 1	D. B. Ender	10.5	3-18	D. B. Ender	23.7
10-15	do	60.2	4- 4	do	26.0
10-28	do	33.7	4-28	do	28.8
11-12	do	28.8	5-27	do	16.5
12-10	do	30.0	7-23	do	87.0
12-17	do	24.7	7-29	do	43.6
1- 6	do	21.1	8-12	do	15.5
1-27	do	21.8	8-26	do	19.3
2-24	do	28.7	9-15	do	33.7
TRI-COUNTY DRAIN DITCH					
Sec. 14-11-26 W.					
10-25	D. B. Ender	9.8	6- 4	D. B. Ender	8.2
12- 3	do	9.2	7-30	do	10.5
12-18	do	8.8	8-28	do	6.4
5- 1	do	7.7			
TRUNK BUTTE CREEK					
Sec. 25-33-50 W.					
4- 3	C. D. Christensen	0.4	7-31	C. D. Christensen	1.1
TUB SPRINGS					
Below Enterprise Canal—Sec. 32-23-55 W.					
10- 3	S. M. Christensen	100.0	3-12	S. M. Christensen	38.4
10- 9	do	76.9	3-19	do	41.3
10-22	do	63.8	3-26	do	31.6
11-13	do	59.1	4- 3	do	45.7
11-21	do	51.4	4-16	do	21.5
11-27	do	50.0	5- 5	do	18.6
12- 4	do	45.6	5-15	do	27.4
12-11	do	47.6	5-22	do	3.1
1- 8	do	42.4	6- 2	do	44.8
1-15	do	37.8	6-30	do	93.5
1-23	do	36.7	7-16	do	8.4
1-29	do	36.0	8- 5	do	2.8
2- 5	P. D. Harrington	39.7	8-15	do	2.4
2-11	S. M. Christensen	35.4	8-27	do	2.0
2-20	do	36.2	9-12	do	36.8
2-25	do	42.3	9-29	do	68.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
TUB SPRINGS					
Above Enterprise Canal—Sec. 33-23-55 W.					
5-15	S. M. Christensen	24.3	8-15	S. M. Christensen	41.5
5-22	do	21.8	8-27	do	38.0
7-16	do	39.0	9-12	do	36.0
8-5	do	39.0	9-29	do	57.8
TURKEY CREEK					
Dannebrog—West Line of Sec. 26-14-11 W.					
6-11	W. J. Page	0.7	8-21	W. J. Page	0.0
TURTLE CREEK					
Elyria—Sec. 31-20-14 W.					
8-13	W. J. Page	1.5			
VERDIGRE CREEK					
Verdigre—Sec. 5-30-6 W.					
7-20	M. G. Zellars	71.0	9-8	M. G. Zellars	53.5
8-11	C. H. Carstons	47.0	9-24	do	67.3
8-25	M. G. Zellars	80.6			
VICTORIA CREEK					
Gates—East Line of Sec. 2-19-21 W.					
6-2	W. J. Page	0.5	8-20	W. J. Page	0.7
7-16	do	.8			
WAGNER CREEK					
Comstock—West Line of Sec. 3-18-17 W.					
6-2	W. J. Page	0.4	8-20	W. J. Page	0.6
7-16	do	1.0	9-9	do	.6
WALLACE CREEK					
Near Scotia—South Line of Sec. 3-17-12 W.					
6-9	W. J. Page	0.6	8-14	W. J. Page	0.0
WARBONNET CREEK					
Above Warbonnet Canal—Sec. 21-33-56 W.					
10-24	Christensen-Rasmussen	2.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WARBONNET CREEK					
Below Warbonnet Canal—Sec. 20-33-56 W.					
4- 2	Christensen-Rasmussen	3.0	7-29	C. D. Christensen	1.3
7- 8	C. D. Christensen	3.6			
WHISTLE CREEK					
Mouth—Sec. 12-28-54 W.					
S-23	C. D. Christensen	0.0			
WHITE CLAY CREEK					
Crawford—Sec. 2-31-52 W.					
1-29	Christensen-Hanks	5.4	3-24	C. D. Christensen	2.1
3-12	do	1.9	4-17	do	.7
WHITE HORSE CREEK					
Gannett—Sec. 5-13-29 W.					
10-23	D. B. Ender	20.4	3-27	D. B. Ender	21.7
10-30	do	15.8	4-14	do	36.2
11-14	do	27.2	5- 2	do	15.7
11-20	do	30.9	5- 8	do	10.7
12- 2	do	17.0	5-22	do	11.6
12-12	do	17.9	6-10	do	19.8
12-20	do	14.0	7-16	do	13.2
1-17	do	11.9	7-25	do	13.2
2- 8	do	11.8	8- 8	do	3.0
2-20	do	21.2	8-21	do	1.5
3- 7	do	16.5	9- 8	do	1.5
3-13	do	26.0			
WHITE RIVER					
Above Whitney Diversion—Sec. 26-32-52 W.					
10-16	Christensen-Hanks	15.8	5-13	C. D. Christensen	32.8
1-29	do	27.1	6- 2	do	22.2
2-27	C. D. Christensen	21.8	6-27	do	38.6
3-12	do	35.0	7-11	do	33.3
3-24	do	27.7	7-30	do	14.4
4-17	do	23.9	8-14	do	16.0
4-29	do	25.9	9-11	do	29.0
WHITE RIVER					
West Line—Sec. 5-32-50 W.					
4- 3	C. D. Christensen	45.7			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WHITE RIVER					
Below Whitney Diversion—Sec. 26-32-52 W.					
10-16	Christensen-Hanks	2.5	5-13	C. D. Christensen	35.7
1-29	do	25.3	6- 3	do	7.3
2-27	C. D. Christensen	5.8	6-27	do	49.2
3-12	do	35.7	7-11	do	33.9
3-24	do	34.8	7-30	do	5.2
4-17	do	28.3	8-14	do	15.7
4-29	do	10.5	9-11	do	20.7

WHITE RIVER					
Above City Water Works—Sec. 3-31-52 W.					
8-15	Christensen-Rasmussen	10.4			

WHITE TAIL CREEK					
Sec. 1-14-38 W.					
10-11	J. H. Hintz	28.2	4-25	J. H. Hintz	26.8
10-25	do	28.4	5- 9	do	26.2
11-22	do	26.7	5-30	do	28.5
12-13	do	29.8	7- 4	do	27.1
1-10	do	27.8	7-25	do	26.4
1-24	do	29.6	8- 8	do	26.4
2-14	do	28.5	8-27	do	25.8
3-21	do	25.2	9-19	do	26.7
4- 4	do	26.4			

WIGGLE CREEK					
Loup City—Sec. 7-14-14 W.					
6-11	W. J. Page	0.0	8-20	W. J. Page	0.0

WOOD RIVER					
Grand Island—Sec. 29-11-9 W.					
5-31	W. J. Page	16.4	8-16	W. J. Page	8.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
ANTELOPE CREEK					
Sec. 21-32-40 W.					
12-17	M. F. Zellars	0.4	4-13	M. F. Zellars	2.6
1-20	do	.3	5-7	do	2.1
2-5	do	.2	6-4	do	.6
3-6	do	.7	7-7	do	.2
3-14	do	21.5	8-4	do	.3
3-14	do	15.7	9-14	do	.1
3-24	do	7.0			
ANTELOPE CREEK					
Sec. 26-34-57 W.					
7-1	R. F. Bishop	0.1	8-18	R. F. Bishop	0.0
APPLEGATE DRAIN					
Sec. 31-14-33 W.					
10-22	J. H. Hintz	41.1	4-5	J. H. Hintz	52.1
11-20	do	51.6	4-26	do	51.9
12-8	do	51.6	5-11	do	49.0
12-17	do	50.6	5-24	do	44.3
1-10	do	51.3	8-11	do	47.1
1-28	do	52.3	9-15	do	47.5
2-18	do	54.6	9-30	do	47.6
3-22	do	55.1			
ASH CREEK					
Whitney—Sec. 7-32-50 W.					
10-17	C. D. Christensen	1.4	7-21	R. F. Bishop	1.2
5-12	R. F. Bishop	3.3	7-28	do	.8
5-27	do	4.4	8-19	do	.4
6-16	Bishop-Rasmussen	4.1	8-25	do	.1
7-5	R. F. Bishop	2.6	9-9	do	.7
7-13	do	1.8			
ASH CREEK, EAST					
Above Barron Canal—Sec. 32-52-50 W.					
4-9	Bishop-Rasmussen	2.4	7-28	R. F. Bishop	0.8
5-12	R. F. Bishop	2.6	8-4	do	1.2
6-16	Bishop-Rasmussen	1.8	8-11	do	.7
7-5	R. F. Bishop	1.4	8-25	do	.4
7-13	do	1.0	9-9	do	.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
ASH CREEK, WEST					
Sec. 35-32-51 W.					
4- 9	Bishop-Rasmussen	1.6	8- 4	R. F. Bishop	0.9
5-12	R. F. Bishop	2.1	8-11	do	.4
7- 5	do	1.0	8-25	do	.3
7-13	do	.8	9- 9	do	.5
7-28	do	.9			
AUGER CREEK					
Elba—Sec. 4-15-11 W.					
10- 9	W. J. Page	0.04			
BALD DRAIN					
Sec. 32-23-56 W.					
10-23	S. M. Christensen	9.2	4- 6	P. D. Harrington	3.0
11-12	do	8.9	4-13	do	3.6
12-15	do	10.0	4-28	do	3.1
1-20	do	5.2	6- 9	do	13.6
3-17	R. F. Bishop	4.4	8-16	do	15.3
3-30	P. D. Harrington	3.4	9-24	do	42.2
BEAR CREEK					
North of Merriman—Sec. 8-34-37 W.					
10-15	C. D. Christensen	1.9	7-22	R. F. Bishop	7.3
11- 4	do	1.5	8- 3	do	2.4
5-16	R. F. Bishop	6.9	8-16	do	1.1
6-15	do	10.0	9- 8	do	1.3
7- 8	do	1.5			
BEAR CREEK					
Below Wooden Dam, A-3321—NW $\frac{1}{4}$ Sec. 16-34-37 W.					
5-16	R. F. Bishop	4.6	7-22	R. F. Bishop	7.1
6-15	do	12.9	8- 3	do	2.1
7- 7	do	1.2			
BEAR CREEK					
Passing Fish and Game Commission Dam, A-2898—Sec. 16-34-37 W.					
10-15	C. D. Christensen	1.1	7-22	R. F. Bishop	5.7
5-16	R. F. Bishop	15.1	8- 3	do	1.9
6-15	do	11.6	8-16	do	.9
7- 7	do	1.5	9- 8	do	.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BEAR CREEK					
Above Cole Dam No. 1, A-2254—SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 14-34-37 W.					
6-15	R. F. Bishop	10.5	8- 3	R. F. Bishop	1.2
7- 7	do	2.4	9- 8	do	1.4
7-22	do	6.8			
BEAR CREEK					
Below Cole Dam No. 1—Sec. 14-34-37 W.					
5-16	R. F. Bishop	15.3	8- 3	R. F. Bishop	2.2
BEAR CREEK					
Eli—Sec. 25-34-36 W.					
10-15	C. D. Christensen	2.2	6- 4	M. G. Zellars	5.2
11- 4	do	7.3	6-15	R. F. Bishop	7.8
12-16	M. G. Zellars	7.1	6-26	M. G. Zellars	36.6
1-21	do	8.5	7- 7	R. F. Bishop	5.1
2-19	do	10.1	7-12	M. G. Zellars	4.6
3-14	do	15.6	7-22	R. F. Bishop	11.5
3-24	do	29.6	8- 3	do	4.7
4-22	do	14.5	8- 4	M. G. Zellars	5.8
4-26	do	32.6	8-16	R. F. Bishop	3.2
5-17	do	20.0	9- 8	do	3.9
5-18	R. F. Bishop	16.8	9-13	M. G. Zellars	1.7
BEAVER CREEK					
Sec. 12-34-47 W.					
4- 8	Bishop-Rasmussen	2.4			
BEAVER CREEK					
Sec. 34-35-47 W.					
2-19	C. D. Christensen	27.6			
BLUE CREEK					
Above Paisley Canal—Sec. 28-17-42 W.					
6- 2	Jack Ratliff	117.0			
BOGGY CREEK					
Below Wickersham Diversion Dam—Sec. 31-33-54 W.					
4- 6	Bishop-Rasmussen	0.9	7-20	R. F. Bishop	0.3
5- 8	R. F. Bishop	.1	8-17	do	.1
6-14	do	.1	9- 2	Bishop-Rasmussen	.0
7- 1	Bishop-Rasmussen	.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BORDEAUX CREEK, BIG					
Sec. 16-34-48 W.					
4- 8	Bishop-Rasmussen	8.5	5-11	Bishop-Rasmussen	9.6
4-26	do	13.5			
BORDEAUX CREEK, BIG					
Below Thomas Canal—Sec. 34-34-48 W.					
6-30	R. F. Bishop	6.9	8-10	R. F. Bishop	4.5
7-27	do	4.9			
BORDEAUX CREEK					
Sec. 3-33-48 W.					
3-15	C. D. Christensen	197.0			
BORDEAUX CREEK, LITTLE					
Below Hartzell Canal—Sec. 13-33-48 W.					
1-22	C. D. Christensen	3.0	7- 8	R. F. Bishop	1.4
4- 8	Bishop-Rasmussen	3.4	7-12	do	1.5
4-27	do	3.8	7-27	do	1.6
5-11	do	3.3	8- 4	do	1.9
6- 1	R. F. Bishop	2.7	8-10	do	1.9
6-16	do	2.4	8-25	do	1.2
6-25	do	2.4	9- 8	do	1.5
BORDEAUX CREEK, BIG					
Chadron—Sec. 14-33-48 W.					
1-22	C. D. Christensen	4.3	7-12	R. F. Bishop	2.2
5-11	Bishop-Rasmussen	3.2	7-27	do	2.7
6- 1	R. F. Bishop	3.6	8- 4	do	3.2
6-16	do	4.2	8-10	do	2.8
6-25	do	4.1	8-25	do	1.8
7- 8	do	2.4	9- 8	do	2.3
BUFFALO CREEK					
Elm Creek—Sec. 33-9-18 W.					
10- 6	D. B. Ender	20.6	2- 3	D. B. Ender	3.4
10-30	do	14.6	2-26	do	8.0
11-25	do	4.3	3-23	do	21.0
12-18	do	3.8	4-21	do	5.1
1- 6	do	4.9			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BULL DRAIN					
Maxwell—Sec. 19-13-28 W.					
10- 2	D. B. Ender	2.7	3-19	D. B. Ender	4.6
10-22	do	2.2	4- 5	do	4.0
11- 7	do	2.6	4-15	do	2.5
11-24	do	2.5	5-14	do	2.0
12- 8	do	3.3	6- 9	do	2.0
12-17	do	3.0	7- 6	do	1.8
1- 5	do	2.9	8-11	do	2.4
1-14	do	3.0	9- 7	do	1.9
2- 9	do	2.6	9-20	do	1.8
2-27	do	4.1	9-27	do	1.6
CAMP CLARK SEEP					
70 Feet downstream from C. B. & Q. R. R.—Sec. 9-20-51 W.					
2-23	E. S. Kimmel	1.8			
CEDAR BRANCH CREEK					
Nevins—Sec. 17-14-35 W.					
10-16	J. H. Hintz	2.2	4-21	J. H. Hintz	2.2
10-29	do	2.1	5-14	do	2.2
11-14	do	1.8	6-10	do	1.7
12-11	do	1.1	6-28	do	1.9
1- 8	do	1.1	7-14	do	1.9
1-22	do	1.8	8- 4	do	1.9
3-18	do	1.5	9- 3	do	1.8
4- 7	do	1.5	9-23	do	1.9
CEDAR CREEK					
Above D-507, Schilt-Cedar Creek Canal—Sec. 35-33-56 W.					
9- 2	Bishop-Rasmussen	0.0			
CEDAR CREEK					
Sec. 11-18-48 W.					
10-20	Jack Ratliff	10.1	5-20	Jack Ratliff	2.2
10-30	do	10.4	6- 8	do	1.9
11-14	do	15.6	7- 8	do	16.3
11-29	do	17.7	7-20	do	27.1
12-13	do	15.1	7-27	do	26.5
1- 8	do	15.0	8-10	do	16.2
1-23	do	13.7	8-21	do	1.3
2-18	do	13.8	8-28	do	3.6
3- 4	do	14.6	9- 4	do	6.8
3-15	do	16.1	9-11	do	10.1
4-19	do	14.0	9-25	do	17.9
5-13	do	15.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
CEDAR CREEK					
Near Elba—Sec. 8-15-10 W.					
10- 9	W. J. Page	0.0			
CEDAR CREEK					
Below Grote Reservoir—Sec. 3-32-56 W.					
8- 5	Bishop-Rasmussen	0.0			
CEDAR RIVER					
Belgrade—Sec. 2-17-7 W.					
4-12	Hungate-Kohlund	184.0	7- 7	Hungate-Kohlund	176.0
5-11	do	195.0	8-18	do	214.0
5-25	do	191.0	8-31	J. D. Hungate	177.0
6- 8	J. D. Hungate	146.0	9-28	Hungate-Choik	190.0
CHADRON CREEK					
One-half Mile above City Reservoir—Sec. 19-32-48 W.					
10-17	C. D. Christensen	2.2	6-23	R. F. Bishop	1.5
10-30	do	2.3	6-29	do	1.0
1-30	do	1.8	7-12	do	.4
3- 3	Bishop-Harrington	1.3	7-19	do	1.1
4- 9	R. F. Bishop	1.2	8- 4	do	1.3
5-10	do	1.4	8-19	do	.2
6- 1	do	1.2			
CHADRON CREEK					
500 Feet below City Reservoir—Sec. 18-32-48 W.					
10-17	C. D. Christensen	0.4	6-23	R. F. Bishop	3.2
10-30	do	.5	6-29	do	1.2
1-30	do	.8	7-12	do	.0
3- 3	Bishop-Harrington	1.1	7-19	do	2.6
4- 9	R. F. Bishop	.7	8- 4	do	.1
5-10	do	2.9	8-19	do	.0
6- 1	do	.7			
CLEAR CREEK					
Sec. 5-15-41 W.					
10-20	Jack Ratliff	6.5	3-31	Jack Ratliff	4.0
11-17	do	8.6	4-16	do	2.9
12-12	do	10.3	7-13	do	12.0
2- 4	do	11.5	8-12	do	2.9
3- 3	do	10.4	9-13	do	1.8

REPORT OF THE STATE ENGINEER

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
CLEARWATER CREEK					
Clearwater—Sec. 6-25-7 W.					
4-21	J. E. Lind	24.1	7-20	C. E. Falk	23.0
5- 5	do	26.3	8- 4	G. Jones	24.7
5-18	C. E. Falk	22.0	8-17	C. E. Falk	55.0
6- 3	C. H. Carstens	17.7	9- 1	C. H. Carstens	17.5
6- 9	C. E. Falk	17.1	9-14	J. E. Lind	17.8
6-22	do	55.6	9-28	C. E. Falk	22.4
7- 8	Jones-Carstens	16.2			
CLEVELAND DRAIN					
Sec. 6-20-52-W.					
10-20	S. M. Christensen	2.5	3-18	R. F. Bishop	1.4
1- 8	do	1.6	4- 1	P. D. Harrington	1.2
1-22	do	1.9	4-10	do	1.0
2-27	Caughran-Kimmel	1.2	4-27	do	1.0
COLD WATER CREEK					
Below Lisco Canal—Sec. 34-18-46 W.					
10-15	Jack Ratliff	10.3	5-13	Jack Ratliff	0.2
11-14	do	1.1	6- 8	do	.9
1- 7	Ratliff-Caughran	1.4	7- 8	do	.3
2-18	Jack Ratliff	1.6	7-27	do	1.3
3- 4	do	1.2	8-10	do	6.4
4- 9	do	1.6	8-18	do	1.3
4-28	do	17.1	9-20	do	2.3
COON CREEK					
Indianola—Sec.18-3-27 W.					
6-21	U. S. B. R.	9200.0			
COTTONWOOD CREEK					
Dunlap—Sec. 27-29-48 W.					
10- 1	C. D. Christensen	0.4	7-30	R. F. Bishop	0.9
4-12	Bishop-Rasmussen	.9	8-20	do	.6
5- 7	R. F. Bishop	1.0	9- 3	do	.3
6-29	do	2.2	9-16	do	.4
7-23	do	1.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
COTTONWOOD CREEK, BIG					
Sec. 22-33-50 W.					
1-21	C. D. Christensen	1.6	6-25	R. F. Bishop	3.5
2-18	Christensen-Harrington	27.2	6-29	do	1.6
4-12	Bishop-Rasmussen	.8	7-13	do	1.0
4-26	do	35.0	7-27	do	3.1
4-27	do	48.4	8-11	do	2.4
5-10	R. F. Bishop	19.7	8-19	do	2.0
5-27	do	3.0	8-25	do	2.7
6-16	do	1.2	9- 9	do	2.3
6-18	Bishop-Rasmussen	125.0			
COTTONWOOD CREEK, LITTLE					
Sec. 8-32-52 W.					
4- 9	Bishop-Rasmussen	3.4	6-16	R. F. Bishop	0.2
5-27	R. F. Bishop	.0	7-13	do	.1
COTTONWOOD CREEK, LITTLE					
Below A-8—Sec. 18-32-52 W.					
4-10	Bishop-Rasmussen	2.5	7- 2	R. F. Bishop	0.9
6-12	R. F. Bishop	.0	8-11	do	.2
6-25	do	2.2	8-28	do	.0
COTTONWOOD CREEK, LITTLE					
South of Whitney Pipe Line Outlet—Sec. 8-32-51 W.					
6-30	R. F. Bishop	1.1	8-19	R. F. Bishop	0.4
7-14	do	.4	8-25	do	.1
7-21	do	.7	9- 8	do	1.0
7-27	do	.4	9-15	do	.0
8-11	do	4.5			
CRAVEN CREEK					
Sec. 25-35-45 W.					
6-30	R. F. Bishop	0.1	7-26	R. F. Bishop	0.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
DAVIS CREEK					
Cotesfield—Sec. 34-17-12 W.					
10- 9	W. J. Page	0.7	7-19	G. Jones	1.2
12-11	J. E. Lind	1.0	7-29	do	425.0
4-15	do	2.6	8- 2	C. E. Falk	215.0
5- 3	do	2.6	8-12	Page-Jones	168.0
5-25	C. E. Falk	2.5	8-15	W. J. Page	290.0
6- 7	do	1.2	8-16	G. Jones	17.2
6-17	Carstens-Jones	11.6	8-30	W. J. Page	.7
6-21	W. J. Page	36.9	9-13	do	.6
6-28	Jones-Carstens	14.1	9-27	C. H. Carstens	.4
7- 6	C. E. Falk	.6			
DAWSON COUNTY DRAIN NO. 2					
Darr—Sec. 25-10-23 W.					
10- 7	D. B. Ender	2.5	1- 7	D. B. Ender	2.1
10-31	do	1.1	3- 3	do	1.8
11-26	do	1.5	4- 1	do	2.6
12-19	do	1.6			
DEAD HORSE CREEK					
Sec. 32-33-49 W.					
10-17	C. D. Christensen	1.6	7- 5	R. F. Bishop	0.7
1-21	do	4.3	7-13	do	1.2
4- 9	Bishop-Rasmussen	2.1	8- 4	do	1.1
6- 1	R. F. Bishop	2.2	8-19	do	.4
6-16	Bishop-Rasmussen	1.4	9- 9	do	.7
DEER CREEK					
Boelus—North Line of Sec. 27-13-12 W.					
10- 2	W. J. Page	0.7			
DeGRAW DRAIN					
Sec. 24-20-51 W.					
10- 6	Jack Ratliff	4.4	3-30	P. D. Harrington	4.2
10-20	S. M. Christensen	6.8	4- 3	do	3.9
11-12	do	3.3	4-17	do	2.7
12-12	do	6.9	8-17	do	9.0
1-10	Christensen-Caughran	4.6	8-28	do	2.3
2- 9	S. M. Christensen	4.3	9-11	do	6.0
2-24	do	5.7	9-30	do	7.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
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DRINGMAN DRAIN
Sec. 32-14-33 W.

10-22	J. H. Hintz	8.3	4-5	J. H. Hintz	10.1
11-20	do	10.6	4-26	do	9.0
12-17	do	10.0	5-11	do	9.4
1-10	do	10.4	5-24	do	8.6
1-28	do	8.9	8-11	do	9.2
2-18	do	10.5	9-15	do	9.5
3-22	do	10.8	9-30	do	9.1

DRY CREEK

Merriman—Sec. 17-34-37 W.

10-15	C. D. Christensen	1.1	7-22	R. F. Bishop	0.6
12-17	Christensen-Caughran	2.9	8-3	do	.6
5-16	R. F. Bishop	9.8	8-16	do	.2
6-15	do	3.1	9-8	do	.0
7-8	do	.2			

DRY CREEK

Bartley—Sec. 10-4-27 W.

6-21	U. S. B. R.	10000.0			
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DUGOUT CREEK, UPPER

Sec. 20-20-50 W.

10-8	Jack Ratliff	14.0	3-5	S. M. Christensen	5.1
10-20	S. M. Christensen	9.8	3-15	R. F. Bishop	2.6
11-12	do	9.6	3-30	P. D. Harrington	6.2
12-13	do	5.6	4-3	do	5.3
1-10	Christensen-Caughran	5.1	4-17	do	5.3
2-9	S. M. Christensen	3.5			

ELM CREEK

Elm Creek—Sec. 33-9-18 W.

10-6	D. B. Ender	0.7	1-6	D. B. Ender	0.0
10-30	do	1.3	2-3	do	.0
11-25	do	.0	3-23	do	.2
12-18	do	.0	4-21	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
FAIRFIELD SEEP					
Northwest Corner of Sec. 18-21-53 W.					
10-21	S. M. Christensen	0.4	4-12	P. D. Harrington	0.1
11-12	do	.4	4-27	do	.2
12-16	do	.4	5-10	do	1.3
1- 7	do	.7	5-25	do	3.0
2- 9	do	.5	6- 8	do	.4
2-24	do	.7	8-17	do	1.8
3-18	R. F. Bishop	.8	9-18	do	.4
4- 5	P. D. Harrington	.2	9-30	do	.3
FANNING SEEP					
West Line—Sec. 28-23-56 W.					
10-23	S. M. Christensen	9.1	4- 6	P. D. Harrington	2.6
11-12	do	4.6	4-13	do	2.0
12-15	do	5.2	4-28	do	3.3
1-21	do	4.0	6- 9	do	1.4
3-17	R. F. Bishop	4.3	8-16	do	3.9
3-31	P. D. Harrington	3.2	9-24	do	6.9
FISH CREEK					
Near Cotesfield—Sec. 7-16-11 W.					
10- 9	W. J. Page	0.0			
FREMONT SLOUGH					
North Platte, Highway No. 83—Sec. 16-13-30 W.					
10- 4	D. B. Ender	12.0	2-11	D. B. Ender	16.0
10-17	do	12.1	2-16	do	26.2
10-22	do	12.0	2-28	do	25.4
11- 8	do	18.5	3-20	do	31.4
11-22	do	22.8	4-16	do	17.8
12- 1	do	20.8	5- 8	do	16.0
12-22	do	22.2	6- 1	do	16.1
1- 3	do	21.1	6-14	do	18.0
1- 9	do	26.1	7-17	do	12.6
1-17	do	17.5	8- 2	do	14.3
1-23	do	18.2	8-16	do	14.0
1-29	do	1060.0	8-21	do	11.1
1-30	do	116.0	9-11	do	13.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
FREMONT SLOUGH					
Sec. 17-13-29 W.					
10- 4	D. B. Ender	5.5	2-16	D. B. Ender	8.5
10-17	do	6.6	2-28	do	8.0
10-22	do	4.2	3-20	do	9.1
11- 8	do	4.2	4-16	do	6.1
11-22	do	4.9	5- 8	do	8.9
12- 1	do	5.3	6- 1	do	5.9
12-22	do	7.2	6-14	do	8.1
1- 3	do	7.1	7-17	do	7.5
1- 9	do	6.2	8- 2	do	8.0
1-17	do	5.3	8-21	do	8.4
1-23	do	8.3	9-11	do	9.7
2-11	do	6.5			
FREMONT SLOUGH					
Below Sutherland Power Return Ditch—Sec. 16-13-30 W.					
8-16	D. B. Ender	1.7	9-11	D. B. Ender	1.7
8-21	do	1.2			
FRENCHMAN RIVER					
Above Enders—Sec. 5-5-37 W.					
4- 3	C. D. Christensen	72.5	4- 5	L. F. Zabel	75.8
FRENCHMAN RIVER					
Pump at Enders Dam—Sec. 5-5-37 W.					
3-31	A. E. Hulme	1.5			
FRENCHMAN RIVER					
Sec. 32-6-38 W.					
4- 2	C. D. Christensen	51.0			
FRENCHMAN RIVER					
Above Power Plant—Sec. 35-5-34 W.					
4- 3	C. D. Christensen	101.0			
FRENCHMAN RIVER					
Palisade—Sec. 36-5-34 W.					
3-31	A. E. Hulme	105.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
FRENCHMAN RIVER					
Lamar—Sec. 3-10-6-41 W.					
6-14	Holder-Busalacchi	2.8			
FRENCHMAN RIVER					
Lamar—Sec. 10-11-6-41 W.					
6-14	Holder-Busalacchi	4.0			
FRENCHMAN RIVER					
Lamar—Sec. 4-6-41 W.					
6-14	Holder-Busalacchi	1.0			
GERING DRAIN					
Sec. 6-21-54 W.					
11-12	S. M. Christensen	38.4	5- 3	P. D. Harrington	22.9
12-17	do	35.2	5-10	do	24.2
1- 8	do	34.6	5-19	do	21.8
1-22	do	32.5	5-27	do	33.4
2-17	Christensen-Caughran	31.2	6- 8	do	96.2
2-27	Caughran-Kimmel	31.5	6-22	do	352.0
3-23	P. D. Harrington	26.4	7-14	do	612.0
4- 2	do	25.4	8-21	do	65.1
4- 8	do	27.6	9- 1	do	58.1
4-16	do	29.2	9-18	do	80.2
4-27	do	26.6	9-30	do	61.8
GORDON CREEK					
Valentine—Sec. 30-33-28 W.					
10-16	C. D. Christensen	6.3	5-17	R. F. Bishop	4.4
GRAVEL CREEK					
Sec. 9-14-36 W.					
10-16	J. H. Hintz	3.1	4-16	J. H. Hintz	3.2
10-29	do	2.7	5-14	do	3.3
11-14	do	3.2	6-10	do	2.7
12-19	do	2.9	7-14	do	3.0
1-22	do	3.0	8-13	do	2.8
4- 2	do	2.8	9-23	do	2.9
HAT CREEK					
Sec. 3-32-55 W.					
9-21	Christensen-Meyers	1.7			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
HAT CREEK					
Above Coffee Canal Diversion—Sec. 35-33-55 W.					
10- 2	C. D. Christensen	1.5	7- 1	Bishop-Rasmussen	1.5
3-25	Christensen-Bishop	3.2	7-20	R. F. Bishop	1.9
4- 6	Bishop-Rasmussen	3.4	8-17	do	.8
5-28	R. F. Bishop	2.6	9- 2	Bishop-Rasmussen	.5
6-14	do	1.5	9-29	Meyers-Caughran	.7
HERSHEY DRAIN					
Sec. 33-14-32 W.					
10-25	J. H. Hintz	16.1	4-10	J. H. Hintz	19.0
11-20	do	18.2	4-26	do	17.1
12- 8	do	18.1	5-11	do	16.4
12-17	do	16.0	6- 7	do	13.9
1- 8	do	17.6	7-21	do	12.8
1-27	do	17.5	8-11	do	19.1
2- 5	do	16.8	9-15	do	14.4
2-18	do	20.6	9-30	do	15.0
3-27	do	21.2			
INDIAN CREEK					
Northport Wye—Sec. 19-20-50 W.					
10- 6	Jack Ratliff	15.4	3- 5	S. M. Christensen	5.4
10-20	S. M. Christensen	10.2	3-18	R. F. Bishop	4.8
11-12	do	8.9	3-30	P. D. Harrington	1.9
12-13	do	8.4	4- 3	do	1.9
1-10	Christensen-Caughran	6.5	4-14	do	1.7
2- 9	S. M. Christensen	6.0			
INDIAN CREEK					
Sec. 16-32-50 W.					
4- 9	Bishop-Rasmussen	0.1	7-21	R. F. Bishop	0.2
6- 1	R. F. Bishop	.4	8- 4	do	.2
6-16	Bishop-Rasmussen	.3	8-19	do	.1
7- 5	R. F. Bishop	.4	9- 9	do	.1
7-13	do	.2			
INDIAN CREEK					
Sec. 5-32-50 W.					
10-17	C. D. Christensen	0.1			
JIM CREEK					
High Line Canal—Sec. 13-33-57 W.					
5-13	Bishop-Rasmussen	0.3	8-18	R. F. Bishop	0.2
6-14	R. F. Bishop	.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
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JIM CREEK

D-543, below Slattery Canal—Sec. 13-33-57 W.

5-13 Bishop-Rasmussen 0.3

JIM CREEK

A-1999, above Dout Reservoir No. 1—Sec. 18-33-56 W.

5-13 Bishop-Rasmussen 0.3 7-14 R. F. Bishop 0.1

JIM CREEK

Below Dout Reservoir No. 1—Sec. 7-33-56 W.

5-13 Bishop-Rasmussen 0.0 7- 1 R. F. Bishop 0.0

JIM CREEK

West Line—Sec. 8-33-56 W.

7- 1 R. F. Bishop 0.0

KINGSLEY DAM SEEPAGE

Drain at Station 20—Sec. 3-14-38 W.

10- 3	J. H. Hintz	0.0	4-23	J. H. Hintz	0.0
10-29	do	.0	5-12	do	.0
12-10	do	.0	6-11	do	.0
1- 9	do	.0	6-29	do	.0
1-30	do	.0	7-16	do	.0
2-20	do	.0	9- 1	do	.0
3-20	do	.0	9-24	do	.0
4- 9	do	.0			

KINGSLEY DAM SEEPAGE

Drain at Station 30—Sec. 3-14-38 W.

10- 3	J. H. Hintz	0.0	4-23	J. H. Hintz	0.0
10-29	do	.0	5-12	do	.0
12-10	do	.0	6-11	do	.0
1- 9	do	.0	6-29	do	.0
1-30	do	.0	7-16	do	.0
2-20	do	.0	9- 1	do	.0
3-20	do	.0	9-24	do	.0
4- 9	do	.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
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KINGSLEY DAM SEEPAGE
Drain at Station 40—Sec. 3-14-38 W.

10- 3	J. H. Hintz	0.0	4-23	J. H. Hintz	0.0
10-29	do	.0	5-12	do	.0
12-10	do	.0	6-11	do	.0
1- 9	do	.0	6-29	do	.0
1-30	do	.0	7-16	do	.0
2-20	do	.0	9- 1	do	.0
3-20	do	.0	9-24	do	.0
4- 9	do	.0			

KINGSLEY DAM SEEPAGE
Drain at Station 50—Sec. 34-14-38 W.

10- 3	J. H. Hintz	0.0	4-23	J. H. Hintz	0.0
10-29	do	.0	5-12	do	.0
12-10	do	.0	6-11	do	.0
1- 9	do	.0	6-29	do	.0
1-30	do	.0	7-16	do	.0
2-20	do	.0	9- 1	do	.0
3-20	do	.0	9-24	do	.0
4- 9	do	.0			

KINGSLEY DAM SEEPAGE
Drain at Station 60—Sec. 34-15-38 W.

10- 3	J. H. Hintz	0.9	4-23	J. H. Hintz	2.0
10-29	do	.8	5-12	do	1.8
12-10	do	.4	6-11	do	1.6
1- 9	do	1.0	6-29	do	1.6
1-30	do	1.0	7-16	do	1.8
2-20	do	.9	9- 1	do	1.8
3-20	do	1.0	9-24	do	1.7
4- 9	do	1.0			

KINGSLEY DAM SEEPAGE
Drain at Station 70—Sec. 34-15-38 W.

10- 3	J. H. Hintz	5.4	4-23	J. H. Hintz	4.8
10-29	do	5.4	5-12	do	5.5
12-10	do	5.8	6-11	do	5.2
1- 9	do	5.4	6-29	do	5.3
1-30	do	5.2	7-16	do	5.6
2-20	do	5.5	9- 1	do	5.3
3-20	do	5.4	9-24	do	5.4
4- 9	do	5.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued**Year Ending September 30, 1948**

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
KINGSLEY DAM SEEPAGE					
Drain at Station 80—Sec. 34-15-38 W.					
10- 3	J. H. Hintz	11.1	4-23	J. H. Hintz	9.9
10-29	do	9.9	5-12	do	9.5
12-10	do	9.4	6-11	do	10.2
1- 9	do	9.5	6-29	do	10.6
1-30	do	9.3	7-16	do	10.8
2-20	do	9.9	9- 1	do	10.8
3-20	do	9.8	9-24	do	10.8
4- 9	do	10.3			
KINGSLEY DAM SEEPAGE					
Drain at Station 94—Sec. 34-15-38 W.					
10- 3	J. H. Hintz	0.0	4-23	J. H. Hintz	0.0
10-29	do	.0	5-12	do	.0
12-10	do	.0	6-11	do	.0
1- 9	do	.0	6-29	do	.0
1-30	do	.0	7-16	do	.0
2-20	do	.0	9- 1	do	.0
3-20	do	.0	9-24	do	.0
4- 9	do	.0			
KINGSLEY DAM SEEPAGE					
Drain at Station 100—Sec. 34-15-38 W.					
10- 3	J. H. Hintz	3.0	4-23	J. H. Hintz	2.3
10-29	do	2.1	5-12	do	2.4
12-10	do	2.3	6-11	do	2.1
1- 9	do	2.1	6-29	do	2.0
1-30	do	1.9	7-16	do	2.8
2-20	do	1.5	9- 1	do	2.3
3-20	do	1.6	9-24	do	2.7
4- 9	do	1.9			
LANE DRAIN					
Sec. 30-23-57 W.					
11- 7	S. M. Christensen	4.3	3-30	P. D. Harrington	1.0
11-17	do	4.2	4-26	do	1.5
12-12	do	4.3	5-10	do	1.3
1- 7	do	5.2	8-17	do	14.6
2- 2	do	2.9	9-24	do	9.4
2-26	do	6.4			
LARABEE CREEK					
Sec. 6-34-44 W.					
7-26	R. F. Bishop	2.2	8-23	R. F. Bishop	1.3
8- 9	do	1.7	9-14	do	1.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
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LAWRENCE FORK CREEK

2 Miles East of Redington—Sec. 25-19-52 W.

5-29	Jack Ratliff	0.0	7-26	Jack Ratliff	0.0
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LINCOLN COUNTY DRAIN NO. 1

North Platte—Sec. 30-14-30 W.

10- 6	J. H. Hintz	78.0	2- 5	J. H. Hintz	40.2
10-14	do	74.1	2-23	do	41.5
10-27	do	59.6	3-16	do	37.7
11- 4	do	56.4	3-23	do	38.2
11-17	do	52.7	4- 1	do	36.7
12- 9	do	47.4	4- 6	do	35.5
12-16	do	46.6	4-13	do	33.8
1- 5	do	42.0	4-20	do	37.1
1-19	do	42.0	4-27	do	36.2
1-29	do	35.5			

LINCOLN COUNTY DRAIN NO. 2

Sec. 12-14-33 W.

10-22	J. H. Hintz	3.4	4-10	J. H. Hintz	2.6
11-20	do	3.4	4-26	do	2.2
12- 8	do	2.8	5-11	do	3.3
12-17	do	2.8	6- 7	do	3.2
1- 8	do	2.5	7-21	do	3.6
1-27	do	2.7	8-11	do	4.0
2- 5	do	2.6	9-15	do	3.4
2-18	do	2.6	9-30	do	3.1
3-27	do	2.9			

LODGEPOLE CREEK

Wyoming-Nebraska Line—Sec. 11-14-59 W.

10-10	C. D. Christensen	2.3	5-21	R. F. Bishop	2.0
10-24	do	2.5	6- 3	do	1.4
11-13	do	2.4	6-22	C. D. Christensen	2.1
12- 9	do	5.7	7- 2	do	1.8
12-29	do	4.6	7- 7	do	2.6
1-12	do	2.2	7-15	Christensen-Lutey	6.1
1-27	do	1.7	7-22	C. D. Christensen	2.7
2-13	Christensen-Harrington	3.0	7-28	Christensen-Caughran	3.1
2-24	Harrington-Bishop	9.2	8- 4	C. D. Christensen	2.6
3- 8	C. D. Christensen	9.2	8-18	do	2.0
3-18	do	4.6	9- 2	Christensen-Lutey	1.5
3-29	R. F. Bishop	4.8	9-17	C. D. Christensen	1.1
4-16	do	3.0	9-25	do	2.0
5- 3	do	5.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Below Oliver Reservoir—Sec. 31-15-56 W.					
10-10	C. D. Christensen	0.7	6-14	C. D. Christensen	0.6
10-24	do	.4	6-22	do	2.3
11-13	do	2.3	7- 2	do	1.2
12-19	do	3.1	7- 7	do	1.8
12-29	do	3.1	7-15	Christensen-Lutey	3.4
1-12	do	3.0	7-22	C. D. Christensen	1.4
1-27	do	3.0	7-23	do	1.6
2-13	Christensen-Harrington	3.4	8- 4	do	3.0
2-24	Bishop-Harrington	3.0	8-17	Christensen-Lutey	1.0
3- 8	C. D. Christensen	3.5	8-23	C. D. Christensen	1.0
3-29	R. F. Bishop	3.3	8-25	do	.8
4-16	do	3.9	8-25	do	3.7
5- 3	do	.9	8-27	do	4.4
5-21	do	1.1	9-17	do	3.8
6- 4	do	.8	9-24	do	3.3

LODGEPOLE CREEK

1500 Feet below Oliver Reservoir—Sec. 36-15-57 W.

2-24	Bishop-Harrington	1.0
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LODGEPOLE CREEK

Elmer Forsling Pump below Oliver Reservoir—Sec. 36-15-57 W.
50 Feet above Pump

9- 2	Christensen-Lutey	0.3
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LODGEPOLE CREEK

Kimball—Sec. 29-15-55 W.

10-10	C. D. Christensen	7.5	6- 4	R. F. Bishop	0.1
10-24	do	6.9	6-23	C. D. Christensen	11.8
11-13	do	10.8	7- 1	do	5.9
12- 9	do	9.7	7- 8	do	.0
12-29	do	11.6	7-14	do	95.0
1-12	do	12.5	7-15	do	21.4
1-27	do	12.1	7-22	do	6.2
3- 8	do	10.4	7-27	do	1.4
3-18	do	10.5	8- 3	do	10.0
3-29	R. F. Bishop	8.7	8-17	do	.0
4-17	do	8.5	8-23	do	.0
5- 4	do	3.6	9- 1	do	.0
5-20	do	.1	9-17	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Above Bennett Reservoir—Sec. 28-15-55 W.					
10-10	C. D. Christensen	5.0	5-21	R. F. Bishop	0.1
11-13	do	8.4	6-4	do	.2
2-24	Harrington-Bishop	9.3	6-10	do	.8
3-30	R. F. Bishop	9.5	7-8	C. D. Christensen	.0
4-19	do	7.4	7-14	do	67.6
5-4	do	4.9			

LODGEPOLE CREEK

Below Bennett Reservoir—Sec. 22-15-55 W.

10-10	C. D. Christensen	0.0	5-4	R. F. Bishop	2.6
10-24	do	.0	5-20	do	.1
11-14	do	.1	6-4	do	1.6
12-9	do	.2	6-10	do	.2
12-29	do	.2	6-14	C. D. Christensen	.1
1-12	do	.1	7-1	do	3.6
1-27	do	.7	7-1	do	.0
2-13	Christensen-Harrington	.2	7-8	do	.0
2-25	Harrington-Bishop	.2	7-15	do	.1
3-8	C. D. Christensen	2.3	7-27	do	.0
3-18	do	7.1	8-4	do	.0
3-30	R. F. Bishop	2.9	9-25	do	.0
4-19	do	1.8			

LODGEPOLE CREEK

Dix—Sec. 26-15-54 W.

10-10	C. D. Christensen	0.0	5-4	R. F. Bishop	0.0
10-24	do	.0	5-22	do	.0
11-14	do	.0	6-4	do	.0
12-10	do	.0	7-1	C. D. Christensen	.0
12-29	do	.0	7-8	do	.0
1-12	do	.0	7-15	do	.1
1-27	do	.0	7-27	do	.0
2-13	Christensen-Harrington	.0	8-4	do	7.0
2-25	Bishop-Harrington	0.9	8-17	do	.0
3-8	C. D. Christensen	1.3	8-27	do	.0
3-18	do	2.6	9-1	do	.0
3-30	R. F. Bishop	6.3	9-18	do	.0
4-19	do	.0	9-24	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Potter—Sec. 6-14-52 W.					
10-10	C. D. Christensen	0.0	5-22	R. F. Bishop	0.0
10-24	do	.0	6- 4	do	.0
11-14	do	.0	7- 1	C. D. Christensen	.0
12-10	do	.0	7- 8	do	.0
12-29	do	.0	7-22	do	.0
1-12	do	.0	7-27	do	.0
1-27	do	.0	8- 3	Christensen-Meyers	483.0
2-13	Christensen-Harrington	.0	8- 4	C. D. Christensen	.0
3- 8	C. D. Christensen	.0	8-17	do	.0
3-19	do	.0	8-27	do	.0
3-30	R. F. Bishop	.0	9- 1	do	.0
4-19	do	.0	9-18	do	.0
5- 4	do	.0	9-24	do	.0
LODGEPOLE CREEK					
Brownson—Sec. 19-34-50 W.					
10-24	C. D. Christensen	0.0	5-22	R. F. Bishop	0.0
11-14	do	.0	6- 8	do	.0
12-29	do	.0	6-30	C. D. Christensen	.4
1-12	do	.0	7- 8	do	.0
1-27	do	.0	7-14	do	9.5
2-13	Christensen-Harrington	.0	7-27	do	.0
2-25	Bishop-Harrington	2.2	8- 2	do	.0
3- 8	C. D. Christensen	.0	8- 4	do	201.0
3-19	do	.7	8-17	do	.0
3-30	R. F. Bishop	1.1	9- 1	do	.0
4-19	do	.6	9-18	do	.0
4-30	do	.1	9-24	do	.0
LODGEPOLE CREEK					
Below Runge Canal, South Line—Sec. 20-14-50 W.					
10-10	C. D. Christensen	1.0	5-22	R. F. Bishop	1.1
10-24	do	1.1	6- 8	do	1.1
11-14	do	.8	6-30	C. D. Christensen	2.0
12-10	do	1.1	7- 8	do	2.4
12-29	do	1.3	7-14	do	1.0
1-12	do	2.3	7-22	do	1.5
1-27	do	1.7	7-27	do	.8
2-13	Christensen-Harrington	1.2	8- 2	do	.6
2-25	Bishop-Harrington	.8	8-17	do	1.0
3- 8	C. D. Christensen	1.6	8-26	do	.4
3-19	do	3.5	9- 1	do	.3
3-30	R. F. Bishop	.4	9-18	do	.7
4-20	do	.3	9-24	do	1.2
4-30	do	.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
One Mile below Runge Canal—Sec. 33-14-50 W.					
10-10	C. D. Christensen	0.5	6- 8	R. F. Bishop	0.8
11-14	do	.2	6-30	C. D. Christensen	1.3
12-10	do	.9	7- 8	do	.8
1-12	do	.9	7-14	do	1.0
2-13	Christensen-Harrington	.5	7-22	do	1.1
3- 8	C. D. Christensen	1.2	7-27	do	.5
3-19	do	2.4	8- 2	do	.3
3-30	R. F. Bishop	1.0	8-17	do	.8
4-20	do	.6	8-26	do	.1
4-30	do	.7	9- 1	do	.2
5-22	do	1.7			

LODGEPOLE CREEK
Sidney—Sec. 31-14-49 W.

10-10	C. D. Christensen	0.1	5-22	R. F. Bishop	0.0
10-23	do	.3	6- 8	do	.0
12-10	do	.2	6-30	C. D. Christensen	.0
1-12	do	.0	7- 9	do	.0
1-28	do	.0	7-21	do	.0
2-13	Christensen-Harrington	.0	7-27	do	.0
2-25	Bishop-Harrington	.0	8- 2	do	.0
3-20	C. D. Christensen	.0	9- 1	do	.0
3-30	R. F. Bishop	.0	9-14	do	.0
4-20	do	.0	9-23	do	.0
5- 1	do	.0			

LODGEPOLE CREEK
Sidney City Park—Sec. 6-13-49 W.

10-24	C. D. Christensen	0.0	5-22	R. F. Bishop	0.0
11-14	do	.0	6- 8	do	.0
12-10	do	.0	6-30	C. D. Christensen	.0
12-29	do	.0	7- 9	do	.0
1-12	do	.0	7-21	do	.0
1-28	do	.0	7-27	do	.0
2-13	Christensen-Harrington	.0	8- 2	do	.0
2-25	Bishop-Harrington	.0	8-17	do	.2
3- 9	C. D. Christensen	.0	8-26	do	.0
3-19	do	.0	9- 1	do	.0
3-30	R. F. Bishop	.0	9-14	do	.0
4-20	do	.0	9-24	do	.0
5- 1	do	.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Airport, West Line—Sec. 35-14-50 W.					
10-24	C. D. Christensen	0.2	5-22	R. F. Bishop	0.7
11-14	do	.2	6- 8	do	.4
12-29	do	.2	6-30	C. D. Christensen	1.2
1-13	do	.0	7- 8	do	.6
1-27	do	.1	7-14	do	.6
2-13	Christensen-Harrington	.0	7-22	do	.8
2-25	Bishop-Harrington	.8	8-17	do	.8
3-30	R. F. Bishop	1.1	8-26	do	.1
4-20	do	.4	9- 1	do	.1
4-30	do	.3			
LODGEPOLE CREEK					
Above Krueger Canal—Sec. 31-14-48 W.					
10-11	C. D. Christensen	3.3	5-24	R. F. Bishop	4.6
10-23	do	6.4	6- 8	do	2.8
11-14	do	7.8	6-30	C. D. Christensen	2.2
12-10	do	2.7	7- 9	do	3.8
12-30	do	3.7	7-13	do	4.4
1-13	do	6.2	7-21	do	5.6
1-28	do	4.4	7-26	do	6.0
2-13	Christensen-Harrington	3.5	8- 2	do	3.3
2-25	Bishop-Harrington	7.6	8-16	do	5.4
3- 9	C. D. Christensen	10.7	8-26	do	3.6
3-20	do	7.4	8-31	do	3.1
3-31	R. F. Bishop	6.0	9- 3	do	3.3
4-20	do	2.1	9-14	do	1.9
5- 1	do	4.3	9-23	do	4.3
LODGEPOLE CREEK					
Below Krueger's Lake—Sec. 29-14-48 W.					
10-11	C. D. Christensen	0.3	6- 8	R. F. Bishop	0.2
11-14	do	.5	6-30	C. D. Christensen	.3
12-10	do	3.3	7- 9	do	.9
12-30	do	3.4	7-13	do	.4
1-13	do	3.7	7-21	do	3.6
1-28	do	3.1	7-26	do	1.6
2-13	Christensen-Harrington	3.0	8- 2	do	.5
2-25	Bishop-Harrington	3.4	8-16	do	1.6
3- 9	C. D. Christensen	6.3	8-26	do	.6
3-20	do	5.5	8-31	do	.6
3-31	R. F. Bishop	.4	9- 3	do	.8
4-20	do	.3	9-14	do	.4
5- 1	do	.4	9-23	do	.6
5-25	do	.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
South of Sunol—Sec. 36-14-48 W.					
10-11	C. D. Christensen	0.5	5-25	R. F. Bishop	1.4
10-23	do	1.1	6- 8	do	.6
11-14	do	.8	6-30	C. D. Christensen	.7
12-10	do	1.7	7-13	do	1.0
12-30	do	.7	7-21	do	5.1
1-27	do	1.1	7-26	do	2.2
2-13	Christensen-Harrington	.9	8- 2	do	1.4
2-25	Bishop-Harrington	2.5	8-16	do	3.0
3- 9	C. D. Christensen	3.3	8-26	do	1.2
3-19	do	8.8	9- 1	do	.9
3-31	R. F. Bishop	2.0	9-14	do	.6
4-20	do	1.2	9-23	do	.9
5- 5	do	1.5			

LODGEPOLE CREEK

West of Lodgepole—Sec. 30-14-46 W.

10-11	C. D. Christensen	0.9	6- 9	R. F. Bishop	0.5
10-23	do	1.4	6-29	C. D. Christensen	3.2
11-15	do	3.7	7- 9	do	1.4
12-10	do	3.9	7-13	do	2.1
12-30	do	3.5	7-21	do	4.9
1-13	do	7.5	7-26	do	4.5
2-14	Christensen-Harrington	2.8	8- 2	do	2.0
3-19	C. D. Christensen	10.0	8-16	do	2.3
3-31	R. F. Bishop	7.2	8-26	do	1.2
4-21	do	4.6	8-31	do	1.5
5- 5	do	2.5	9-23	do	4.6
5-25	do	.3			

LODGEPOLE CREEK

Chappell—Sec. 21-13-45 W.

10-11	C. D. Christensen	2.1	5- 5	R. F. Bishop	7.1
10-23	do	5.8	5-25	do	1.3
11-15	do	7.5	6- 9	do	.6
12-10	do	3.0	6-29	C. D. Christensen	3.3
12-30	do	7.3	7- 9	do	2.7
1-13	do	3.5	7-13	do	4.1
1-28	do	4.4	7-21	do	4.0
2-14	Christensen-Harrington	5.0	7-26	do	3.2
2-25	Bishop-Harrington	14.6	8- 2	do	.8
3- 9	C. D. Christensen	3.5	8-16	do	8.0
3-19	do	20.7	8-31	do	.4
3-31	R. F. Bishop	15.5	9-14	do	.1
4-21	do	2.8	9-23	do	.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Interstate Station at Ralton—Sec. 12-12-45 W.					
10-11	C. D. Christensen	8.8	5-25	R. F. Bishop	2.7
10-23	do	9.9	6- 9	do	.4
11-15	do	10.2	6-29	C. D. Christensen	4.6
12-10	do	6.9	7-10	do	.8
12-30	do	4.6	7-13	do	.8
1-13	do	3.8	7-21	do	13.0
1-28	do	3.4	7-26	do	4.1
2-14	Christensen-Harrington	2.2	8- 2	do	.6
2-25	Bishop-Harrington	16.4	8-16	do	1.0
3- 9	C. D. Christensen	3.0	8-26	do	.8
3-19	do	23.3	8-31	do	.3
3-31	R. F. Bishop	17.4	9-14	do	.8
4-21	do	17.3	9-23	do	5.6
5- 6	do	1.5			
LOGAN CREEK					
Uehling—Sec. 9-20-8 E.					
10-13	J. D. Hungate	356.0	5- 3	J. D. Hungate	66.5
10-28	do	50.0	5-17	do	48.4
11-11	do	41.4	5-31	do	50.4
11-24	do	32.0	6-29	T. P. Harding	82.0
1- 6	C. V. Burns	48.1	7-16	do	40.4
1-20	do	49.7	7-16	do	41.0
2-10	do	34.8	7-28	do	45.6
3-24	do	104.0	8-23	J. D. Hungate	46.0
4- 5	J. D. Hungate	71.7	9-20	do	40.2
4-19	do	62.0			
LONERGAN CREEK					
Sec. 17-15-39 W.					
11-17	Jack Ratliff	0.7	5- 4	Jack Ratliff	0.5
12-12	do	.0	9-13	do	.0
3- 3	do	.5			
LONERGAN CREEK					
Lemoyne—Sec. 17-15-39 W.					
10-20	Jack Ratliff	5.3	4-16	Jack Ratliff	5.7
11-17	do	6.0	5- 4	do	6.0
12-12	do	6.6	7-13	do	6.0
2- 4	do	6.5	8-12	do	7.3
3- 3	do	4.9	9-13	do	6.3
4- 1	do	6.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOST CREEK					
Sec. 1-16-44 W.					
11-17	Jack Ratliff	0.2	4- 9	Jack Ratliff	0.5
1- 6	do	.5	6-10	do	.5
3-12	Bishop-Ratliff	2.9	8-10	do	1.1
LOUP RIVER, MIDDLE					
Mullen—Sec. 8-24-32 W.					
10- 6	C. E. Falk	127.0	4-28	J. E. Lind	136.0
10-15	N. G. Zellars	132.0	5-12	do	136.0
10-21	W. J. Page	126.0	5-26	C. H. Carstens	125.0
11-12	C. E. Falk	130.0	6-16	Jones-Carstens	129.0
12- 3	Lind-Carstens	135.0	7- 1	Falk-Jones	126.0
12-22	J. E. Lind	123.0	7-14	G. D. Jones	123.0
1- 5	do	134.0	7-28	C. E. Falk	133.0
1-26	W. J. Page	118.0	8-11	G. D. Jones	117.0
2-17	Lind-Phillipsen	113.0	8-24	C. E. Falk	131.0
3- 8	W. J. Page	126.0	9- 6	G. D. Jones	129.0
4- 2	do	132.0	9-20	C. E. Falk	129.0
LOUP RIVER, MIDDLE					
Mullen Damsite—Sec. 18-24-31 W.					
12-22	J. E. Lind	178.0	3- 8	W. J. Page	162.0
1- 5	do	176.0	4- 2	do	162.0
1-26	W. J. Page	148.0	4-28	J. E. Lind	180.0
2-17	Lind-Phillipsen	176.0			
LOUP RIVER, MIDDLE					
Sargent, North Channel—Sec. 10-19-18 W.					
4-20	C. E. Falk	3.4	7-27	W. J. Page	358.0
5- 4	W. J. Page	333.0	8-10	C. E. Falk	430.0
6- 2	C. E. Falk	128.0	8-24	W. J. Page	370.0
6-14	Carstens-Jones	300.0	9- 7	C. E. Falk	525.0
6-29	W. J. Page	401.0	9-21	W. J. Page	456.0
7-13	Falk-Page	324.0			
LOUP RIVER, MIDDLE					
Sargent, South Channel—Sec. 10-19-18 W.					
4-20	C. E. Falk	415.0	7-13	C. E. Falk	311.0
5- 4	Falk-Page	363.0	7-27	W. J. Page	292.0
5-19	Carstens-Lind	584.0	8-10	C. E. Falk	288.0
6- 2	W. J. Page	347.0	8-24	W. J. Page	273.0
6-14	do	333.0	9- 7	C. E. Falk	374.0
6-29	do	356.0	9-21	W. J. Page	278.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOUP RIVER, MIDDLE					
Milburn—Sec. 9-20-21 W.					
4-21	C. E. Falk	723.0	7-14	W. J. Page	661.0
5- 5	Page-Falk	807.0	7-27	G. D. Jones	665.0
5-20	Carstens-Lind	697.0	8-10	W. J. Page	659.0
6- 2	C. E. Falk	702.0	8-24	G. D. Jones	637.0
6-15	W. J. Page	690.0	9-21	C. H. Carstens	720.0
6-30	Falk-Jones	697.0			
LOUP RIVER, MIDDLE					
Loup City—Sec. 11-15-15 W.					
5-19	Carstens-Lind	466.0	7-27	G. D. Jones	420.0
6- 1	C. E. Falk	568.0	8-10	C. E. Falk	715.0
6-14	W. J. Page	528.0	8-24	G. D. Jones	507.0
7- 7	C. E. Falk	531.0	9- 7	W. J. Page	624.0
7-13	do	579.0	9-21	do	603.0
LOUP RIVER, NORTH					
Burwell—Sec. 15-21-16 W.					
4-13	Falk-Page	474.0	7-19	Jones-Page	312.0
4-27	C. E. Falk	505.0	8- 2	W. J. Page	371.0
5-11	do	444.0	8-16	do	465.0
5-25	do	354.0	8-23	G. D. Jones	367.0
6- 7	do	305.0	8-30	do	219.0
6-22	W. J. Page	708.0	9-14	C. E. Falk	275.0
7- 6	do	285.0	9-27	C. H. Carstens	350.0
LOUP RIVER, NORTH					
Ord—Sec. 22-19-14 W.					
4-27	C. E. Falk	882.0	7-19	W. J. Page	515.0
5-12	W. J. Page	644.0	8- 9	C. E. Falk	824.0
5-25	C. E. Falk	515.0	8-23	G. D. Jones	600.0
6- 7	W. J. Page	479.0	8-30	do	387.0
6-21	do	817.0	9-14	C. E. Falk	445.0
7- 6	C. E. Falk	621.0	9-27	C. H. Carstens	616.0
LOUP RIVER, SOUTH					
Callaway—Sec. 2-15-23 W.					
4- 6	J. E. Lind	91.5	7-15	G. D. Jones	66.3
4-27	do	80.9	7-26	C. E. Falk	65.5
5-20	Carstens-Lind	67.3	8-11	G. D. Jones	70.1
6- 8	C. E. Falk	70.8	8-25	C. E. Falk	60.1
6-16	Carstens-Jones	63.9	9- 8	G. D. Jones	62.6
7- 2	Falk-Jones	65.9	9-21	C. E. Falk	64.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
MEDICINE CREEK					
Curtis—Sec. 32-8-28 W.					
6-29	L. F. Zabel	36.9	7-26	L. F. Zabel	18.2
7-14	do	493.0	8-25	do	17.0
MELBETA DRAIN					
One-half Mile West of Melbeta Bridge—Sec. 13-21-54 W.					
11-12	S. M. Christensen	3.5	4-27	P. D. Harrington	1.7
12-17	do	2.8	5-13	do	2.0
1- 8	do	2.2	6- 8	do	2.2
1-22	do	1.8	7-12	do	.2
2-27	Caughran-Kimmel	1.5	7-30	R. V. Meyers	4.4
3-18	R. F. Bishop	2.1	9-18	P. D. Harrington	19.3
3-23	P. D. Harrington	1.6	9-30	do	3.5
4- 8	do	2.5			
MIRA CREEK					
Sec. 27-18-13 W.					
10- 9	W. J. Page	0.0			
MIRA CREEK					
North Loup—Sec. 26-18-13 W.					
10- 9	W. J. Page	10.4			
MONROE CREEK					
Above Reservoir—Sec. 14-33-56 W.					
10- 2	Christensen-Rasmussen	0.3	3- 4	Bishop-Harrington	1.8
MONROE CREEK					
Above Jordan Reservoir—Sec. 23-33-56 W.					
4- 6	Bishop-Rasmussen	0.8	8-24	Bishop-Rasmussen	0.0
5-13	do	.1	8-26	do	.1
6-14	R. F. Bishop	.1	9- 2	do	.1
7-20	do	.1	9-10	do	3
8-17	do	.1			
MONROE CREEK, BIG					
Below D-509, Schilt-Monroe Canal—Sec. 27-33-56 W.					
10- 2	Christensen-Rasmussen	0.0	6-14	R. F. Bishop	0.0
10- 7	do	.0	8-24	Bishop-Rasmussen	.0
5-13	Bishop-Rasmussen	.0	9-10	do	.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
MONROE CREEK, BIG					
Below D-506—Sec. 33-33-56 W.					
10- 7	Christensen-Rasmussen	0.8	8-24	Bishop-Rasmussen	0.0
5-13	Bishop-Rasmussen	.0	8-26	do	.0
6-14	R. F. Bishop	.0	8-26	do	.3
7- 1	Bishop-Rasmussen	.0	9- 2	do	.2
7-14	R. F. Bishop	.0	9-10	do	.5
MUDDY CREEK					
Sweetwater—Sec. 3-12-15 W.					
10- 1	W. J. Page	20.8	6-21	Carstens-Jones	49.1
10- 8	C. E. Falk	21.0	6-23	do	167.0
10-16	do	20.0	6-24	W. J. Page	208.0
10-22	C. H. Carstens	20.0	6-27	Carstens-Jones	720.0
11- 4	C. E. Falk	23.0	6-28	W. J. Page	268.0
11-25	C. H. Carstens	35.0	7-14	C. E. Falk	27.0
12-15	W. J. Page	23.7	7-20	C. H. Carstens	299.0
1-12	do	51.9	7-28	W. J. Page	18.4
2- 4	J. E. Lind	25.2	7-30	Carstens-Jones	538.0
2-23	W. J. Page	42.8	8- 3	W. J. Page	286.0
3-17	C. E. Falk	1762.0	8- 9	G. D. Jones	24.8
4- 5	W. J. Page	40.7	8-14	C. H. Carstens	135.0
4-26	J. E. Lind	36.4	8-26	W. J. Page	16.6
5-19	Carstens-Lind	26.0	9- 8	G. D. Jones	19.1
6- 9	W. J. Page	25.3	9-22	C. E. Falk	16.9
6-16	C. E. Falk	23.0			
MUNSON CREEK					
Elba—Sec. 33-16-11 W.					
10- 9	W. J. Page	0.0			
NIOBRARA RIVER					
Wyoming-Nebraska State Line—Sec. 20-31-58 W.					
10-21	Christensen-Rasmussen	3.6	5-14	Bishop-Rasmussen	9.0
1- 9	C. D. Christensen	5.1	6-17	R. F. Bishop	5.2
2- 5	do	1.7	7-15	Bishop-Munson	4.4
2-20	Christensen-Harrington	9.7	7-29	Bishop-Rasmussen	3.1
3- 4	Bishop-Harrington	7.3	8-12	R. F. Bishop	3.4
4- 7	Bishop-Rasmussen	9.6	9- 1	do	3.2
NIOBRARA RIVER					
South of Harrison—Sec. 9-29-56 W.					
10-21	Christensen-Rasmussen	10.9	7-15	Bishop-Munson	7.6
4- 7	Bishop-Rasmussen	17.6	7-29	Bishop-Rasmussen	7.6
5-14	do	13.9	8-12	R. F. Bishop	6.6
6-17	R. F. Bishop	12.0	9- 1	do	6.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
NIOBRARA RIVER					
Agate—Sec. 7-28-55 W.					
10-21	Christensen-Rasmussen	15.2	6-24	R. F. Bishop	17.0
3-23	Christensen-Bishop	97.3	7- 9	do	12.8
4-12	Bishop-Rasmussen	27.3	7-29	Bishop-Rasmussen	10.9
5-14	do	10.9	8-12	R. F. Bishop	13.4
6- 2	R. F. Bishop	7.7	9- 1	do	3.9
NIOBRARA RIVER					
Below Mouth of Whistle Creek—Sec. 7-28-53 W.					
10-20	C. D. Christensen	20.5	6-24	R. F. Bishop	23.4
4-12	Bishop-Rasmussen	33.3	7- 9	do	11.8
5-14	do	15.9	7-29	Bishop-Rasmussen	5.9
6- 2	R. F. Bishop	15.2	8-13	R. F. Bishop	6.1
NIOBRARA RIVER					
East of Marsland—Sec. 36-29-51 W.					
10- 3	C. D. Christensen	24.9	4-12	Bishop-Rasmussen	48.5
10- 6	do	30.7	4-28	R. F. Bishop	45.2
10-20	do	30.9	5- 8	do	34.8
1- 9	do	45.4	5-31	do	31.5
1-20	do	34.0	6-24	do	34.9
2- 4	do	25.9	7-23	do	19.2
2-20	Christensen-Harrington	38.8	8- 6	do	17.7
3-17	C. D. Christensen	81.8	8-13	do	12.2
3-23	Christensen-Bishop	300.0	9- 3	do	6.8
NIOBRARA RIVER					
Above Potmeisel Diversion Dam—Sec. 26-29-48 W.					
9-22	Christensen-Meyers	22.3			
NIOBRARA RIVER					
South of Rushville—Sec. 28-30-44 W.					
11- 5	C. D. Christensen	49.4	12-18	Christensen-Caughran	51.0
NIOBRARA RIVER					
Colclessor Mill—Sec. 29-30-44 W.					
12-18	Christensen-Caughran	50.8	6-28	R. F. Bishop	70.8
12-26	C. D. Christensen	69.0	7- 7	do	32.1
1- 7	do	63.7	7-12	do	50.5
1-20	do	31.1	7-19	do	134.0
1-29	do	22.5	7-26	do	38.0
2- 4	do	16.5	8- 3	do	173.0
2-17	Christensen-Harrington	90.0	8- 9	do	46.3
3- 1	Caughran-Bishop	127.0	8-16	do	35.5
3-26	Christensen-Bishop	202.0	8-23	do	29.0
4- 5	R. F. Bishop	93.8	8-31	do	29.1
5- 7	do	48.4	9- 7	do	45.0
5-26	do	50.2	9-14	do	31.6
6- 2	do	30.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
NIOBRARA RIVER					
Sec. 5-28-51 W.					
3-17	C. D. Christensen	190.0			
OTTER CREEK					
Lemoyne—Sec. 32-16-40 W.					
10-20	Jack Ratliff	24.2	4-16	Jack Ratliff	23.5
11-17	do	24.1	5- 4	do	25.6
12-12	do	23.8	7-13	do	21.2
2- 4	do	21.0	8-12	do	21.0
3- 3	do	25.4	9-13	do	21.6
3-31	do	22.2			
PAWNEE CREEK					
Sec. 4-12-27 W.					
10- 2	D. B. Ender	2.2	3-19	D. B. Ender	10.9
10-31	do	3.1	4- 5	do	7.8
11- 7	do	2.2	4-15	do	5.6
11-24	do	5.5	5-14	do	1.2
12- 8	do	5.2	6- 9	do	.9
12-17	do	5.8	7- 6	do	.2
1- 5	do	8.2	8-11	do	4.3
1-14	do	4.9	9- 7	do	2.0
2- 9	do	3.8	9-20	do	1.0
2-27	do	8.9	9-27	do	1.5
PINE CREEK					
Colclessor Mill—Sec. 33-30-44 W.					
11- 5	C. D. Christensen	23.4	8-23	R. F. Bishop	12.3
1-20	do	23.0	8-31	do	11.5
8- 3	R. F. Bishop	18.8	9- 7	do	16.8
8- 9	do	15.0	9-14	do	13.0
8-16	do	13.6			
PRAIRIE DOG CREEK					
Above D-508, Schilt-Prairie Dog Creek—Sec. 35-33-56 W.					
10-22	Christensen-Rasmussen	0.0			
PRAIRIE DOG CREEK					
Below D-508, Schilt-Prairie Dog Creek—Sec. 35-33-56 W.					
4- 7	Bishop-Rasmussen	0.0	9- 2	Bishop-Rasmussen	0.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
PUMPKINSEED CREEK					
Gering-Kimball Highway—Sec. 4-19-55 W.					
11-13	C. D. Christensen	6.6	12-9	C. D. Christensen	5.9
PUMPKINSEED CREEK					
Below Mutual Canal—Sec. 33-19-52 W.					
11-13	C. D. Christensen	8.1	12-9	C. D. Christensen	13.3
PUMPKINSEED CREEK					
Above Quinn Canal—Sec. 20-19-51 W.					
5-20	Jack Ratliff	11.8			
PUMPKINSEED CREEK					
Below Trails End Canal Division—Sec. 30-19-52 W.					
8-27	R. Meyers-Kimmel	0.4			
RED CREEK, LITTLE					
Below Zerbst Canal—Sec. 34-33-56 W.					
10-2	Christensen-Rasmussen	0.1	8-18	R. F. Bishop	0.2
8-5	Bishop-Rasmussen	0			
RED WILLOW CREEK					
North of McCook—Sec. 6-4-29 W.					
6-9	L. F. Zabel	56.3	7-26	L. F. Zabel	16.8
7-14	do	15.6	8-25	do	11.1
REPUBLICAN RIVER					
McCook—Sec. 32-3-29 W.					
6-9	L. F. Zabel	1520.0	7-26	L. F. Zabel	53.8
7-14	do	218.0			
REPUBLICAN RIVER, SOUTH FORK					
Kansas-Nebraska State Line—Sec. 36-1-38 W.					
6-24	Skinner-Busalacche	96.4			
SAND CREEK					
Below Bendix Canal—Sec. 33-33-53 W.					
4-10	Bishop-Rasmussen	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SAND CREEK					
Above New Highway—Sec. 34-16-40 W.					
11-17	Jack Ratliff	5.2	4-16	Jack Ratliff	4.2
12-12	do	5.0	5- 4	do	3.4
2- 4	do	5.3	7-13	do	2.9
3- 3	do	4.0	8-12	do	2.6
4- 1	do	2.1	9-13	do	4.1
SARBEN SLOUGH					
Sec. 20-14-35 W.					
10-16	J. H. Hintz	6.5	5-27	J. H. Hintz	4.9
10-29	do	6.5	6-10	do	5.6
11-14	do	8.5	6-17	do	6.2
12-11	do	7.8	6-28	do	7.1
1- 8	do	6.5	7-14	do	6.3
1-22	do	6.1	8- 4	do	7.0
3-18	do	5.0	9- 3	do	8.1
4- 7	do	5.6	9- 9	do	9.8
4-21	do	5.2	9-23	do	8.2
5-14	do	5.7			
SCOTTSBLUFF DRAIN NO. 1					
Sec. 25-22-55 W.					
11- 5	S. M. Christensen	13.4	3-23	P. D. Harrington	6.8
11-17	do	12.6	4- 2	do	5.7
12-12	do	14.3	4-13	do	4.6
12-17	do	13.7	4-26	do	4.6
1- 7	do	13.1	5-11	do	3.4
1-22	do	13.8	6-10	do	3.1
1-27	do	13.6	6-24	do	5.5
2- 2	do	13.3	7- 8	do	7.8
2- 9	do	8.2	8-16	do	13.6
2-24	do	8.3	9-22	do	14.5
3-15	R. F. Bishop	7.0			
SCOTTSBLUFF DRAIN NO. 2					
Sec. 34-22-54 W.					
11- 5	S. M. Christensen	2.2	3-28	S. M. Christensen	1.0
11-17	do	2.7	4- 7	P. D. Harrington	.7
12-12	do	6.0	4-13	do	1.0
12-17	do	3.4	4-26	do	1.2
1- 7	do	5.8	5-11	do	6.3
1-22	do	3.2	6-10	do	6.6
1-27	do	3.5	6-24	do	8.2
2- 2	do	3.6	7- 8	do	7.8
2- 9	do	3.0	8-16	do	11.2
2-24	do	3.0	9-22	do	8.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SCOUT CREEK					
North Platte—Sec. 20-14-30 W.					
10- 6	J. H. Hintz	24.7	4-27	J. H. Hintz	1.2
10-14	do	25.5	5-10	do	24.2
10-27	do	31.7	5-18	do	6.3
11- 4	do	16.8	5-25	do	.4
11-17	do	.4	6- 2	do	10.0
12- 9	do	.4	6- 8	do	21.2
12-16	do	.4	6-15	do	9.2
1- 5	do	1.4	6-21	do	6.4
1-19	do	.5	7- 1	do	4.3
1-29	do	.5	7-12	do	20.0
2- 5	do	.4	7-19	do	24.6
2-23	do	.2	7-26	do	12.2
3-16	do	2.8	8- 9	do	20.2
3-23	do	.2	8-27	do	38.9
4- 1	do	.2	9- 6	do	22.5
4- 6	do	.2	9-13	do	25.7
4-13	do	.2	9-20	do	22.2
4-20	do	1.6	9-27	do	30.9

SHELDON DRAIN DITCH
NE¼ Sec. 14-11-26 W.

12-23	D. B. Ender	8.1	7- 6	D. B. Enders	7.8
1- 8	do	8.0	7-28	do	7.9
1-19	do	7.8	8-10	do	9.3
4- 7	do	7.7	8-24	do	7.4
4-26	do	7.3	9-17	do	6.8
5-17	do	8.3	9-28	do	6.8
6- 8	do	6.8			

SILVERNAIL DRAIN
Sec. 6-19-49 W.

10-20	Jack Ratliff	6.2	5-17	Jack Ratliff	3.8
10-30	do	5.9	6-10	do	4.3
11-13	do	6.0	7- 8	do	7.4
11-29	do	5.8	7-20	do	37.0
12-13	do	5.2	8- 5	do	15.0
1- 7	Ratliff-Caughran	5.7	8-14	do	7.6
1-23	Jack Ratliff	6.2	8-21	do	16.8
2-18	do	5.7	8-28	do	10.3
3-22	do	5.5	9-11	do	30.6
4-19	do	4.6	9-25	do	34.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SKUNK CREEK					
Sec. 1-14-37 W.					
10-16	J. H. Hintz	2.6	4-16	J. H. Hintz	2.4
10-29	do	2.6	5-14	do	2.4
11-14	do	2.6	6-10	do	2.1
12-19	do	2.9	7-14	do	2.9
1-22	do	2.8	8-13	do	2.6
4-2	do	2.2	9-23	do	2.2
SOLDIER CREEK					
Above James Canal—Sec. 5-31-53 W.					
2-18	Christensen-Harrington	15.3	8-28	R. F. Bishop	1.2
4-10	Bishop-Rasmussen	3.4	9-10	Bishop-Rasmussen	1.9
7-28	R. F. Bishop	2.2			
SOLDIER CREEK					
Above Ft. Robinson Reservoir—Sec. 3-31-53 W.					
10-21	C. D. Christensen	3.2			
SOLDIER CREEK					
Below Soldier Creek Canal—Sec. 18-31-52 W.					
5-12	R. F. Bishop	4.4	8-14	R. F. Bishop	1.5
6-25	do	2.4			
SOW BELLY CREEK					
Below Zimmerman—Sec. 34-33-55 W.					
10-2	Christensen-Rasmussen	0.0	8-17	R. F. Bishop	0.1
5-28	R. F. Bishop	.1			
SOW BELLY CREEK					
Sec. 17-33-55 W.					
4-6	Bishop-Rasmussen	2.8	9-2	Bishop-Rasmussen	0.0
8-26	do	.0			
SOW BELLY CREEK					
Sec. 7-32-55 W.					
3-4	Bishop-Harrington	3.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SOW BELLY CREEK					
Sec. 5-32-55 W.					
10- 2	Christensen-Rasmussen	0.3	7-20	R. F. Bishop	2.2
10-22	do	.5	8- 5	Bishop-Rasmussen	2.1
4- 6	Bishop-Rasmussen	4.1	8-17	R. F. Bishop	1.5
5-28	R. F. Bishop	.1	8-26	Bishop-Rasmussen	1.4
6-14	do	.2	9- 2	do	1.5
7- 1	Bishop-Rasmussen	1.9	9-29	Meyers-Caughran	1.8
7-14	R. F. Bishop	1.8			
SPOTTED TAIL CREEK, WET					
Sec. 6-22-55 W.					
10-31	S. M. Christensen	16.6	5-10	P. D. Harrington	11.2
11-12	do	21.6	5-18	do	11.9
12-12	do	23.1	6- 7	do	12.2
1- 7	do	15.3	6-24	do	16.9
1-21	do	11.6	7-19	do	15.0
1-27	do	11.1	8- 5	do	14.5
2- 9	do	13.6	8-11	do	7.9
2-26	do	11.0	8-18	do	15.7
3-24	P. D. Harrington	12.6	8-26	do	15.6
4- 6	do	13.1	8-31	do	15.6
4-16	do	10.8	9-22	do	16.9
SPOTTED TAIL CREEK, DRY					
Sec. 28-23-56 W.					
1- 8	S. M. Christensen	40.3	3-23	P. D. Harrington	24.9
1-21	do	35.7	4- 2	do	26.2
2- 2	do	31.3	4-10	do	23.8
2-17	Christensen-Caughran	29.7	4-16	do	22.8
2-26	C. D. Christensen	31.8	4-23	do	24.5
3-17	R. F. Bishop	28.6			
SPRING CREEK					
Above Crystal Lake Reservoir—Sec. 6-32-55 W.					
7- 1	Bishop-Rasmussen	0.2			
SPRING CREEK					
Below Crystal Lake Reservoir—Sec. 6-32-55 W.					
7- 1	Bishop-Rasmussen	0.3			
SPRING CREEK					
Wyoming-Nebraska State Line—Sec. 4-23-58 W.					
3-30	P. D. Harrington	8.5	4-23	P. D. Harrington	2.3
4-14	do	5.6	5-10	C. D. Christensen	6.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SPRING CREEK					
Above Spring Creek Reservoir, A-2985—Sec. 12-32-56 W.					
10- 2	Christensen-Rasmussen	0.0			
SPRING CREEK					
Tributary to Little Cottonwood Creek—Sec. 13-32-52 W.					
4- 9	Bishop-Rasmussen	0.6			
SPRING CREEK					
Cushing—Sec. 5-15-9 W.					
12-11	J. E. Lind	3.8	6-29	C. E. Falk	26.0
4-15	do	5.5	7- 8	do	5.0
5- 3	do	6.2	7-20	do	4.5
5-24	C. H. Carstens	12.1	7-29	C. H. Carstens	420.0
6- 8	do	2.8	8- 2	C. E. Falk	8.8
6-15	C. E. Falk	3.3	8-12	do	191.0
6-17	Page-Falk	33.0	8-13	Page-Falk	453.0
6-21	W. J. Page	5.8	8-16	G. D. Jones	544.0
6-22	Carstens-Jones	595.0	8-30	do	3.8
6-23	C. E. Falk	72.0	9-16	C. E. Falk	3.0
6-27	Falk-Page	627.0	9-29	do	3.1
SQUAW CREEK					
Below Shepherd Canal—Sec. 36-34-57 W.					
7- 1	Bishop-Rasmussen	0.1			
SQUAW CREEK					
Above McDowell Reservoir—Sec. 12-31-52 W.					
10-17	C. D. Christensen	0.1	7-28	R. F. Bishop	0.1
4- 9	Bishop-Rasmussen	.5	8-11	do	.1
5-12	R. F. Bishop	.2	8-25	do	.0
7- 2	do	.3	9- 9	do	.0
SQUAW CREEK					
Below McDowell Reservoir—Sec. 1-31-52 W.					
10-17	C. D. Christensen	0.1	8-11	R. F. Bishop	0.2
4- 9	Bishop-Rasmussen	.3	8-25	do	.1
7- 2	R. F. Bishop	.2	9- 9	do	.1
7-28	do	.2			
STINKING WATER CREEK					
Palisade—Sec. 30-5-33 W.					
7- 1	L. F. Zabel	43.2	7-13	L. F. Zabel	22.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
STREVER CREEK					
South of Overton—Sec. 1-8-20 W.					
10- 7	D. B. Ender	10.8	12-29	D. B. Ender	14.7
10-15	do	9.5	1- 7	do	14.0
11-13	do	10.3	2- 3	do	9.3
11-26	do	13.2	2-25	do	13.3
12-11	do	9.7	3-23	do	24.9
12-19	do	11.9	4-19	do	12.0
TRUNK BUTTE CREEK					
Sec. 25-33-50 W.					
10-17	C. D. Christensen	0.1	7- 5	R. F. Bishop	0.1
1-21	do	.4	7-13	do	.0
4- 9	Bishop-Rasmussen	1.6	8- 4	do	.2
6- 1	R. F. Bishop	.7	8-19	do	.1
6-16	Bishop-Rasmussen	.4	9- 9	do	.0
TUB SPRINGS					
Above Enterprise—Sec. 32-23-55 W.					
5- 5	P. D. Harrington	38.4	7-14	P. D. Harrington	73.1
5-10	C. D. Christensen	29.0	7-29	R. V. Meyers	35.0
5-13	P. D. Harrington	25.4	8- 5	P. D. Harrington	37.4
5-18	do	20.5	8-11	do	38.3
5-27	do	33.4	8-20	do	38.4
6- 7	do	28.1	8-26	do	39.9
6-15	do	64.4	8-31	do	40.3
7- 7	do	26.7	9-22	do	44.0
TUB SPRINGS					
Below Enterprise—Sec. 32-23-55 W.					
1- 7	S. M. Christensen	41.0	3-24	P. D. Harrington	30.0
1-21	do	37.4	4- 2	do	29.5
2- 2	do	34.6	4-10	do	28.6
2-17	do	34.7	4-16	do	22.2
2-26	do	35.9	4-26	do	21.1
VICTORIA CREEK					
Gates, East Line—Sec. 2-19-21 W.					
6-15	W. J. Page	4.6	7-14	W. J. Page	3.6
WALLACE CREEK					
Near Scotia, South Line—Sec. 3-17-12 W.					
10- 9	W. J. Page	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued**Year Ending September 30, 1948**

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WARBONNET CREEK					
Above Warbonnet Canal—Sec. 21-33-56 W.					
6-14	R. F. Bishop	0.2	8-17	R. F. Bishop	0.6
7-14	do	1.1	9- 2	Bishop-Rasmussen	.4
7-20	do	.8			
WARBONNET CREEK					
Below Warbonnet Canal No. 2, D-892—Sec. 20-33-56 W.					
10- 2	Christensen-Rasmussen	0.0	6-14	R. F. Bishop	1.4
3- 4	Bishop-Harrington	2.1	7-14	do	.7
4- 7	Bishop-Rasmussen	.1	7-20	do	.3
5-13	do	.1	8-17	do	.2
WARBONNET CREEK					
Below D-548—Sec. 21-33-56 W.					
7- 1	Bishop-Rasmussen	0.1			
WHITE CLAY CREEK					
Crawford—Sec. 2-31-52 W.					
10-17	C. D. Christensen	1.5	4- 9	Bishop-Rasmussen	2.8
WHITE CLAY CREEK					
Nebraska-South Dakota State Line—Sec. 24-35-45 W.					
2-19	Christensen-Harrington	59.1	4-27	Bishop-Rasmussen	15.5
4- 8	Bishop-Rasmussen	13.2	6-30	R. F. Bishop	11.6
WHITE CLAY CREEK					
Above Whitney Diversion—Sec. 26-32-52 W.					
4-26	Bishop-Rasmussen	7.2	7-21	R. F. Bishop	1.8
5-12	R. F. Bishop	4.0	7-27	do	.9
5-27	do	3.5	8-11	do	1.5
6-12	do	.9	8-25	do	.3
6-25	do	4.7	9- 9	do	.3
6-30	do	2.6	9-15	do	.1
7-13	do	1.2			
WHITE CLAY CREEK					
Sec. 13-31-52 W.					
3- 4	Bishop-Harrington	3.3	9-20	Meyers-Christensen	1.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WHITE CLAY CREEK					
Above Junction with Larabee Creek—Sec. 6-34-44 W.					
7-26	R. F. Bishop	3.4	8-23	R. F. Bishop	2.0
8- 9	do	2.5	9-14	do	1.3
WHITE HORSE CREEK					
Gannett—Sec. 5-13-29 W.					
10- 2	D. B. Ender	6.0	3-19	D. B. Ender	36.6
10-22	do	7.5	4- 5	do	18.8
11- 7	do	11.9	4-23	do	9.9
11-26	do	17.8	5-14	do	9.2
12- 8	do	15.3	6- 9	do	5.1
12-17	do	15.1	7- 6	do	3.4
1- 5	do	18.8	8-11	do	5.9
1-14	do	16.0	9- 7	do	6.8
2- 9	do	12.2	9-20	do	4.2
2-27	do	27.0	9-27	do	6.0
WHITE RIVER					
Sec. 6-34-47 W.					
4- 8	Bishop-Rasmussen	53.3	7-27	R. F. Bishop	16.7
4-27	do	75.1	8-10	do	29.4
5-11	do	115.0	9-15	do	7.6
6-30	R. F. Bishop	55.3			
WHITE RIVER					
Above Whitney Diversion—Sec. 26-32-52 W.					
10- 1	C. D. Christensen	14.0	5-27	R. F. Bishop	27.0
10-29	do	8.5	6-23	do	38.5
11- 7	do	15.8	7-13	do	19.3
1- 8	do	29.2	7-21	do	20.1
3- 5	Bishop-Harrington	21.2	8-11	do	14.1
3-25	Christensen-Bishop	34.2	8-25	do	10.1
4-10	R. F. Bishop	30.6	9- 9	do	17.0
5-10	do	32.4	9-15	do	12.0
WHITE RIVER					
Below Whitney Diversion—Sec. 26-32-52 W.					
10- 1	C. D. Christensen	3.7	5-27	R. F. Bishop	11.9
10-29	do	.3	6-23	do	49.6
11- 7	do	7.0	7-13	do	2.1
1- 8	do	15.1	7-21	do	5.3
3- 3	Bishop-Harrington	15.3	8-11	do	1.9
3-25	Christensen-Bishop	29.4	8-25	do	1.5
4-10	R. F. Bishop	27.1	9- 9	do	7.8
5-10	do	30.2	9-15	do	2.2

DISCHARGE MEASUREMENTS OF STREAMS—Concluded**Year Ending September 30, 1948**

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WHITE RIVER					
Six Miles West of Chadron—Sec. 18-33-49 W.					
10- 1	C. D. Christensen	11.7	3-15	C. D. Christensen	328.0
10- 8	do	6.4	3-25	Christensen-Bishop	49.0
10-29	do	8.3	4-10	R. F. Bishop	29.2
11- 7	do	8.8	4-26	Bishop-Rasmussen	43.0
12-19	Christensen-Caughran	15.9	4-27	do	148.0
2- 3	C. D. Christensen	8.6	5-11	do	56.7
2-18	Christensen-Harrington	47.0	5-29	R. F. Bishop	39.4
3- 2	Caughran-Bishop	19.9			
WHITE RIVER					
Sec. 26-33-50 W.					
1-21	C. D. Christensen	5.5	7-21	R. F. Bishop	21.6
2- 3	do	6.7	7-27	do	7.4
6- 4	G. W. Caughran	84.8	8- 4	do	27.5
6-16	Bishop-Rasmussen	22.8	8-10	do	4.8
6-18	do	374.0	8-19	do	3.2
6-29	R. F. Bishop	32.9	8-25	do	4.8
7- 8	do	7.0	9- 9	do	16.6
7-13	do	7.9	9-15	do	4.6
WHITE TAIL CREEK					
Sec. 36-15-38 W.					
10-17	J. H. Hintz	26.6	5-12	J. H. Hintz	26.8
12-10	do	29.8	6- 4	do	24.3
12-19	do	30.0	6-18	do	25.8
1- 9	do	30.8	7-14	do	29.6
1-23	do	28.4	7-23	do	26.3
2-17	do	29.8	8-13	do	23.9
2-27	do	32.9	9- 1	do	25.3
4- 3	do	29.8	9-17	do	27.2
4-16	do	28.0			

**DISCHARGE
MEASUREMENTS
OF CANALS**

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DISCHARGE MEASUREMENTS OF CANALS

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ADAMS CANAL—D-371					
Diverted from Lodgepole Creek—Sec. 3-14-52 W. Measurements made at Headgate					
4-24	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
ADEN PUMP—A-3882					
Diverted from Mud (Beaver) Creek—Sec. 29-13-15 W. Measurements made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0
AIRDALE CANAL NO. 1—A-698, A-1380					
Diverted from Pumpkinseed Creek—Sec. 2-19-55 W. Measurements made at 5.5 ft. Weir					
5- 9	C. D. Christensen	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
8- 1	do	.....	.....	.....	.0
9-25	Christensen-Harrington	.....	.....	.....	.0
AIRDALE CANAL NO. 2—A-699, A-1133					
Diverted from Pumpkinseed Creek—Sec. 1-19-55 W. Measurements made at Headgate					
5-22	C. D. Christensen	.....	.....	.....	0.0
8- 1	do	.....	.....	.....	.7
9- 3	do	.....	.....	.....	.0
9-25	Christensen-Harrington	.....	.....	.....	.0
AIRDALE CANAL NO. 3—A-1508					
Diverted from Pumpkinseed Creek—Sec. 2-19-55 W. Measurements made at Headgate					
5-22	C. D. Christensen	.....	.....	.....	0.0
9- 2	do	.....	.....	.....	.0
9-25	Christensen-Harrington	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1947**

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					
4-29	J. N. Walburn	.....	.....	.....	0.0
5- 3	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
ALMERIA CANAL—A-2469, A-2868, A-2869					
Diverted from North Loup River—Sec. 10-22-20 W.					
Measurement made 0.6 mile below Spillway					
9-17	Carstens-Page	.....	.....	.....	0.0
ANDERSON CANAL—D-373					
Diverted from Lodgepole Creek—Sec. 8-14-51 W.					
Measurements made at Headgate					
4-24	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
9-23	do	2.9	0.24	.....	.7
ASH CREEK, WEST, CANAL—A-434, D-452					
Diverted from West Ash Creek—Sec. 36-32-51 W.					
Measurement made at Headgate					
7-31	C. D. Christensen	.....	.....	.....	0.0
ATKINS—POLLY CANAL—D-342, D-344					
Diverted from Lodgepole Creek—Sec. 30-15-55 W.					
Measurements made at Rating Flume					
4-24	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	1.6	1.50	.....	2.4
5-30	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-22	do	3.2	0.69	0.58	2.2
8- 6	do	2.2	.64	.39	1.4
9- 2	do	2.6	.62	.70	1.6
9-24	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BARBER CANAL—D-754, A-1111					
Diverted from Clear Creek—Sec. 29-16-41 W.					
Measurements made at Headgate					
10- 9	P. D. Harrington	.....	.....	.....	0.6
5-15	do	.....	.....	.....	.0
5-27	do	4.0	1.45	.....	5.8
6-26	do	.....	.....	.....	7.1
8-14	do	6.6	1.47	.....	9.7
8-28	do	5.5	1.09	.....	6.0
9-10	do	4.6	1.45	.....	6.7
9-23	do	1.2	.42	.....	.5
BARRETT CANAL—D-334					
Diverted from Lodgepole Creek—Sec. 32-14-46 W.					
Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	.....	.....	.....	.0
BARRON CANAL, EAST—A-2024					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements made at Headgate					
4-17	C. D. Christensen	1.8	1.11	.....	2.0
5- 6	do	.....	.....	.....	.0
6- 4	do	1.5	1.07	.....	1.6
7- 7	do	1.6	1.31	.....	2.1
7-30	do	.1	.25	.....	.0
BARRON CANAL, WEST—D-438R					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements made at Headgate					
5-16	C. D. Christensen	1.1	2.00	.....	2.2
6- 4	do	.2	.50	.....	.1
7- 7	do	.....	.....	.....	.0
7-30	do	.6	.91	.....	.5
BEAL CANAL—A-1620					
Diverted from South Platte River—Sec. 20-13-40 W.					
Measurements made at Headgate					
4-30	J. H. Hintz	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
5-22	do	1.3	0.72	.....	.9
8- 6	do	.....	.....	.....	.0
8-27	do	26.6	.37	.....	9.9
9- 4	do	26.4	.41	.....	10.9
9-18	do	19.6	.36	.....	7.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BEISER CANAL—A-1056					
Diverted from Niobrara River—Sec. 4-29-56 W.					
Measurements made at Headgate					
5- 1	C. D. Christensen	6.5	0.29	.....	1.9
6- 5	do	.....	.....	.....	.0
6-26	do	6.0	1.38	.....	.8
7-25	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
BELMONT FEEDER—A-1397					
Diverted from Cedar Creek—Sec. 23-18-48 W.					
Measurements made at Rating Flume					
10- 3	P. D. Harrington	.....	.....	.....	0.0
4-25	do	.....	.....	.....	.0
BENNETT CANAL—A-1249					
Diverted from Niobrara River—Sec. 1-28-54 W.					
Measurements made at Headgate					
5- 1	C. D. Christensen	.....	.....	.....	0.0
6- 2	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
BENNETT CANAL—A-691, A-1975					
Diverted from Lodgepole Creek and Bennett Reservoir					
Sec. 22-15-55 W.					
Measurements made at Headgate					
10-18	Christensen-Hanks	.....	.....	.....	0.0
BICKEL CANAL—D-347, A-719, A-724					
Diverted from Lodgepole Creek—Sec. 30-15-55 W.					
Measurements made at Rating Flume					
4-24	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	.....	.....	.....	.0
5-21	do	1.2	0.94	.....	1.2
5-30	do	.8	.50	0.24	.4
6-13	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8- 6	do	1.4	.50	.....	.7
9- 2	do	1.4	.86	.36	1.2
9-24	do	2.4	1.25	.50	3.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BIGELOW-SEYMOUR CANAL—D-510					
Diverted from Niobrara River—Sec. 19-31-57 W.					
Measurements made at Headgate					
6- 6	Christensen-Rasmussen	.....	.....	.....	0.0
6-27	C. D. Christensen	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
BIRDCAGE-QUINN CANAL—D-892, A-1561					
Diverted from Pumpkinseed Creek—Sec. 20-19-51 W.					
Measurements made at Headgate					
5- 2	P. D. Harrington	.....	.....	.....	0.0
BIRDWOOD CANAL, WEST—D-652					
Diverted from Birdwood Creek—Sec. 2-14-33 W.					
Measurements made at Rating Flume					
4-29	J. H. Hintz	1.6	0.94	.....	1.5
5-13	do	1.8	.67	.....	1.2
5-24	do	1.7	.78	.....	1.2
5-31	do	1.4	.79	.....	1.1
6-14	do	.5	.37	.....	.2
7-10	do	1.5	.93	.....	1.4
7-26	do	1.6	.81	.....	1.3
8- 9	do	2.2	1.41	.....	3.1
8-26	do	1.0	.60	.....	.6
9- 9	do	2.2	1.59	.....	3.5
BOELUS POWER CANAL—A-1373					
Diverted from Middle Loup River—Sec. 30-13-12 W.					
Measurements made at Headrace Flume					
9-18	W. J. Page	274.0	2.07	.....	566.0
BOOTH CANAL, NORTH—D-309, D-310					
Diverted from Lodgepole Creek—Sec. 29-14-47 W.					
Measurements made at Rating Flume					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1947**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BOOTH CANAL, SOUTH—D-309, D-310					
Diverted from Lodgepole Creek—Sec. 29-14-47 W.					
Measurements made at Rating Flume					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
8-29	do	1.3	0.62	.....	.8
BORDWELL CANAL—D-302					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurement made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
BORDWELL CANAL—D-303					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurement made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
BORQUIST CANAL, SOUTH—D-300					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	1.1
5-20	do	1.8	0.83	0.66	1.5
5-31	do	1.8	.81	.....	1.4
6-17	do	1.8	.91	.64	1.7
8- 6	do	.....	.....	.....	.0
BORQUIST CANAL, NORTH—D-301					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
5-31	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BOURETT CANAL—A-5 (South)					
Diverted from Niobrara River—Sec. 29-30-56 W.					
Measurement made at Headgate					
6- 6	Christensen-Rasmussen	.....	.....	.....	0.0
BOURETT CANAL—A-542					
Diverted from Niobrara River—Sec. 29-30-56 W.					
Measurement made at Headgate					
6- 6	Christensen-Rasmussen	.....	.....	.....	0.0
BOURETT CANAL—A-546					
Diverted from Niobrara River—Sec. 19-30-56 W.					
Measurements made at Headgate					
5- 1	C. D. Christensen	.....	.....	.....	0.0
6- 6	do	4.4	0.71	.....	3.1
6-26	do	1.2	.33	.....	.4
8-22	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
BOURETT CANAL—A-4, A-1057 (No. 2)					
Diverted from Niobrara River—Sec. 33-30-56 W.					
Measurements made at Headgate					
5- 1	C. D. Christensen	.....	.....	.....	0.0
6- 6	Christensen-Rasmussen	.....	.....	.....	.0
BOURETT CANAL NO. 2—A-1209					
Diverted from Niobrara River—Sec. 29-30-56 W.					
Measurements made at Headgate					
5- 1	C. D. Christensen	.....	.....	.....	0.0
6- 6	Christensen-Rasmussen	.....	.....	.....	.0
BRADY CANAL—D-352					
Diverted from Lodgepole Creek—Sec. 28-15-54 W.					
Measurements made at Headgate					
4-24	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	0.9	1.00	.....	.9
5-21	do	.8	.93	.....	.8
6-14	do	1.8	.91	.....	1.6
7- 2	do	1.2	1.17	.....	1.4
7-22	do	1.6	.19	.....	.3
8- 6	do	1.4	.18	.....	.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BRITTON PUMP—A-2467					
Diverted from North Loup River—Sec. 26-21-18 W. Measurement made at Pump Site					
9-15	W. J. Page	.....	.....	.....	0.0
BULLOCK CANAL—D-296					
Diverted from Lodgepole Creek—Sec. 3-13-46 W. Measurements made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
BULLOCK CANAL—A-437					
Diverted from Lodgepole Creek—Sec. 4-13-46 W. Measurements made Below Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
7- 1	do	.....	.....	.....	.0
BUSHNELL CANAL—A-504					
Diverted from Lodgepole Creek—Sec. 2-14-58 W. Measurements made at Headgate					
4-25	C. D. Christensen	1.2	0.67	.....	0.8
5- 5	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
CAPELLEN PUMP—A-3883					
Diverted from Mud (Beaver) Creek—Sec. 13-13-16 W. Measurement made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0
CHAMPION CANAL—D-47, A-1108					
Diverted from Frenchman River—Sec. 23-6-40 W. Measurements made at Headgate					
5-23	J. N. Walburn	.....	.....	.....	0.0
5- 3	do	6.2	0.73	.....	4.5
6-20	do	8.9	.74	.....	6.6
8- 5	do	10.9	1.30	.....	14.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
CHRISTENSEN CANAL, NORTH—D-367					
Diverted from Lodgepole Creek—Sec. 7-14-51 W.					
Measurements made at Headgate					
4-24	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
5-30	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
CHRISTENSEN CANAL, SOUTH—D-366					
Diverted from Lodgepole Creek—Sec. 7-14-51 W.					
Measurements made at Headgate					
4-24	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	5.3	0.42	.....	2.2
5-20	do	6.2	.34	.....	2.1
5-30	do	.....	.....	.....	.0
6-14	do	2.1	.19	.....	.4
7- 2	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
CIRCLE ARROW CANAL—D-346					
Diverted from Lodgepole Creek—Sec. 30-15-54 W.					
Measurements made at Headgate					
4-24	C. D. Christensen	.....	.....	0.46	2.6
5- 6	do	1.7	0.83	.....	1.4
5-21	do	2.0	.99	.20	2.0
5-30	do	2.4	1.07	.28	2.6
6-13	do	2.9	1.41	.39	4.1
7- 2	do	3.7	1.08	.....	4.0
7-22	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
9- 2	do	2.6	.85	.95	2.2
9-24	do	2.1	1.10	.74	2.3
CLEAR CREEK CANAL—D-748					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements made at Rating Flume					
5-15	P. D. Harrington	.....	.....	.....	0.0
8-14	do	.....	.....	.....	.0
8-28	do	2.8	0.85	.....	2.4
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
COFFEE CANAL, EAST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurement made at Headgate					
7-29	C. D. Christensen	.....	.....	.....	0.0
COFFEE CANAL, WEST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurement made at Headgate					
7-29	C. D. Christensen	.....	.....	.....	0.0
COLD WATER CANAL—D-796					
Diverted from Cold Water Creek—Sec. 26-18-46 W.					
Measurements made into Lisco and North River Canal					
8- 1	P. D. Harrington	2.7	1.25	.....	3.4
9- 4	do	2.8	1.07	.....	3.0
COLE PROJECT DAM NO. 1—A-2254					
Diverted from Bear Creek—Sec. 14-34-37 W.					
Measurements made at Headgate					
6-10	C. D. Christensen	.....	.....	.....	0.0
7- 9	do	.....	.....	.....	.0
CONNELL CANAL—A-459					
Diverted from Ash Creek—Sec. 6-32-50 W.					
Measurement made at Headgate					
6- 3	C. D. Christensen	.....	.....	.....	0.0
COOK CANALS, NO. 1 AND NO. 2—D-980					
Diverted from Niobrara River—Sec. 1-28-56 W.					
Measurements made at Headgate					
6- 5	Christensen-Rasmussen	2.8	0.90	.....	2.5
6-26	C. D. Christensen	3.4	.74	.....	2.5
7-25	do	3.6	1.00	.....	3.6
8-22	do	2.3	.64	.97	1.5
9- 4	do	.....	.....	.....	.0
COOPER-ANDERSON PUMP—A-3115					
Diverted from Mud (Beaver) Creek—Sec. 28-14-16 W.					
Measurement made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
COOPER CANAL, EAST—A-42					
Diverted from White Clay Creek—Sec. 2-31-52 W.					
Measurement made at Headgate					
7-31	C. D. Christensen	.....	.....	.....	0.0
COOPER CANAL, WEST—A-42					
Diverted from White Clay Creek—Sec. 2-31-52 W.					
Measurement made at Headgate					
7-31	C. D. Christensen	.....	.....	.....	0.0
COOPER CANAL					
Diverted from Lower Dugout Creek—Sec. 4-19-48 W.					
Measurements made at Headgate					
5-23	P. D. Harrington	1.3	0.97	.....	1.2
8-28	do	2.3	.57	.....	1.2
9-29	do	.7	.57	.....	.4
CREWS CANAL—D-1025R, P-241					
Diverted from No. Fk. Republican River—Sec. 21-1-41 W.					
Measurements made at Headgate					
5- 9	J. N. Walburn	.....	.....	.....	0.0
6-20	do	.....	.....	.....	.0
CREWS CANALS, NO. 2 AND NO. 3—A-1709, A-1826					
Diverted from No. Fk. Republican River—Sec. 20-1-41 W.					
Measurements made at Headgate					
5- 9	J. N. Walburn	.....	.....	.....	0.0
6-20	do	.....	.....	.....	.0
CRIGLER CANAL—D-861, A-486					
Diverted from Lawrence Fork—Sec. 1-18-52 W.					
Measurements made at Headgate					
8- 7	C. D. Christensen	.....	.....	.....	0.0
8-25	do	.....	.....	.....	.0
8-26	do	1.1	1.09	.....	1.2
8-27	do	1.6	.79	.....	1.3
8-28	do	1.5	1.16	.....	1.7
CRIPPS CANAL—A-2481					
Diverted from Ash Creek—Sec. 12-32-51 W.					
Measurements made at Headgate					
6- 3	C. D. Christensen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
CRIPPS CANAL—A-835					
Diverted from Ash Creek—Sec. 13-32-51 W. Measurement made at Headgate					
6- 3	C. D. Christensen	.....	.....	.....	0.0
CRIPPS CANAL—A-735					
Diverted from Ash Creek—Sec. 13-32-51 W. Measurement made at Headgate					
6- 3	C. D. Christensen	.....	.....	.....	0.0
DAVIS PUMP					
Diverted from Lillian Creek—Sec. 1-19-20 W. Measurement made at Pump Site					
9 -9	W. J. Page	.....	.....	.....	0.0
DAVISON CANAL—A-1662					
Diverted from Niobrara River—Sec. 12-28-54 W. Measurement made at Headgate					
6- 2	Christensen-Rasmussen	.....	.....	.....	0.0
DELAWARE-HICKMAN CANAL—D-157					
Diverted from Republican River—Sec. 17-1-34 W. Measurement made at Headgate					
5-23	J. N. Walburn	.....	.....	.....	0.0
DICKINSON CANAL—D-967					
Diverted from Lodgepole Creek—Sec. 33-14-47 W. Measurements made at Headgate					
4-23	C. D. Christensen	2.3	0.43	.....	1.0
5- 7	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
DICKINSON CANAL—D-969					
Diverted from Lodgepole Creek—Sec. 26-14-47 W. Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	.0
5-20	do	1.0	0.59	.....	.6
6-16	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
DOU BROTHERS CANAL—D-981					
Diverted from Jim Creek—Sec. 7-33-36 W.					
Measurement made below Headgate					
7-28	C. D. Christensen	.....	.....	.....	0.0
DOU CANAL NO. 1—A-2000					
Diverted from Dou Reservoir No. 1—A-1999—Sec. 7-33-56 W.					
Measurements made at Headgate					
7- 8	C. D. Christensen	.....	.....	.....	0.0
7-29	do	.....	.....	.....	.0
DOU CANAL NO. 2—A-2002					
Diverted from Dou Reservoir No. 2—A-2001—Sec. 7-33-56 W.					
Measurement made at Headgate					
7-29	C. D. Christensen	.....	.....	.....	0.0
DUNLAP CANAL—A-1113					
Diverted from Cottonwood Creek—Sec. 22-29-48 W.					
Measurement made at Headgate					
5-26	Christensen-Rasmussen	.....	.....	.....	0.0
EARNEST CANAL NO. 1—D-514a					
Diverted from Niobrara River—Sec. 9-29-56 W.					
Measurements made near Headgate					
5- 1	C. D. Christensen	.....	.....	.....	0.0
6- 5	Christensen-Rasmussen	2.2	0.39	.....	.8
6-26	C. D. Christensen	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
9- 4	do	6.2	1.18	.....	7.3
EARNEST CANAL NO. 2—D-514b					
Diverted from Niobrara River—Sec. 9-29-56 W.					
Measurements made at Headgate					
5- 1	C. D. Christensen	5.7	1.14	.....	6.6
6- 5	Christensen-Rasmussen	8.8	.83	.....	7.3
6-26	C. D. Christensen	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
ENTERPRISE CANAL—D-920					
Diverted from Morrill Drain—Sec. 13-23-57 W.					
Measurements made above intersection with Enterprise Canal					
10- 2	S. M. Christensen	6.0	0.58	.....	3.5
5-15	do	.9	.22	.....	.2
6-20	do	.6	.47	.....	.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ENTERPRISE CANAL—D-920					
Diverted from Stewart Drain—Sec. 13-23-57 W.					
Measurements made above intersection with Enterprise Canal					
10- 2	S. M. Christensen	4.1	1.24	.....	5.1
5- 5	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
ENTERPRISE CANAL—D-920					
Diverted from Wet Spotted Tail Creek—Sec. 22-23-56 W.					
Measurements made above intersection with Enterprise Canal					
5- 8	S. M. Christensen	.....	.....	.....	6.9
5-15	do	.....	.....	.....	8.3
6- 3	do	.....	.....	.....	9.4
6-30	do	.....	.....	.....	7.7
7-15	do	.....	.....	.....	7.5
8- 5	do	.....	.....	.....	10.6
8-14	do	.....	.....	.....	10.2
8-26	do	.....	.....	.....	8.9
9- 9	do	2.1	5.30	.....	11.3
9-29	do	2.5	5.00	.....	12.4
EXCELSIOR CANAL—D-568, A-2264					
Diverted from Niobrara River—Sec. 10-28-52 W.					
Measurements made at Headgate					
6- 2	Christensen-Rasmussen	.....	.....	.....	0.0
6-19	C. D. Christensen	5.3	0.90	.....	4.8
7-24	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
FARMERS CANAL—D-10					
Diverted from Frenchman River—Sec. 11-3-32 W.					
Measurements made at Headgate					
5- 9	J. N. Walburn	.....	.....	.....	0.0
6-20	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
FARMERS MUTUAL INS. CO. PUMP—A-3381					
Diverted from Mud (Beaver) Creek—Sec. 2-14-17 W.					
Measurement made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
FENDRICH-LICHTE CANAL—A-336					
Diverted from Cottonwood Creek—Sec. 22-29-48 W.					
Measurement made at Headgate					
5-26	C. D. Christensen	.....	.....	.....	0.0
FINCH CANAL—D-964					
Diverted from Clear Creek—Sec. 4-15-41 W.					
Measurements made at Headgate					
5-15	P. D. Harrington	4.7	2.02	.....	9.5
5-27	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
FISHER PUMP—A-3128					
Diverted from Mud Creek—Sec. 34-13-15 W.					
Measurement made at Pump Site					
8-28	W. J. Page	.....	.....	.....	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					
5-23	J. N. Walburn	.....	.....	.....	0.0
8- 4	do	.....	.....	.....	.0
FURMAN CANAL, NORTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements made at Headgate					
4-30	C. D. Christensen	.....	.....	.....	0.0
7-11	do	.....	.....	.....	.0
7-24	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
FURMAN CANAL, SOUTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements made at Headgate					
4-30	C. D. Christensen	.....	.....	.....	0.0
8-20	do	.....	.....	.....	.0
GLASS PUMP					
Diverted from Mud (Beaver) Creek—Sec. 1-13-16 W.					
Measurement made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
GUNDERSON CANAL—D-305					
Diverted from Lodgepole Creek—Sec. 1-14-52 W.					
Measurement made at Headgate					
4-24	C. D. Christensen	.....	.....	.....	0.0
HAMLIN CANAL—D-555					
Diverted from Squaw Creek—Sec. 10-33-57 W.					
Measurement made at Headgate					
4- 2	Christensen-Rasmussen	0.5	0.69	.....	0.3
8-15	do	.....	.....	.....	.0
HANNAH CANAL—D-886					
Diverted from North Platte River—Sec. 24-18-47 W.					
Measurement made at Headgate					
8-25	P. D. Harrington	.....	.....	.....	0.0
HARPER CANAL—A-2316					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements made at Headgate					
5-15	P. D. Harrington	.....	.....	.....	0.0
8-14	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
HARRIS-NEECE CANAL—D-517, A-2275					
Diverted from Niobrara River—Sec. 3-28-55 W.					
Measurements made at Headgate					
5- 1	C. D. Christensen	5.5	1.41	0.82	7.7
6- 2	Christensen-Rasmussen	8.8	1.61	1.48	14.0
6-19	C. D. Christensen	11.0	.81	.76	8.9
7-25	do	8.6	1.25	1.98	10.7
8-21	do	9.9	.88	1.70	8.7
9- 5	do	9.9	.99	1.72	9.8
HARTZELL CANAL—D-448					
Diverted from Little Bordeaux Creek—Sec. 13-33-48 W.					
Measurement made at Headgate					
6-11	C. D. Christensen	.....	.....	.....	0.0
HEARD CANAL NO. 2—D-916					
Diverted from Pumpkinseed Creek—Sec. 14-19-54 W.					
Measurement made at Headgate					
5- 9	C. D. Christensen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HIGH LINE CANAL—A-1682					
Diverted from Jim Creek—Sec. 13-33-57 W.					
Measurements made at Headgate					
4- 1	Christensen-Rasmussen	.....	.....	.....	0.0
8-15	do	.....	.....	.....	.0
HITSHEW CANAL—A-2509, A-1260					
Diverted from Niobrara River—Sec. 6-28-52 W.					
Measurements made at Headgate					
5- 1	C. D. Christensen	4.8	1.19	.....	5.7
6- 2	Christensen-Rasmussen	.....	.....	.....	.0
6-19	C. D. Christensen	.....	.....	.....	.0
7-24	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
HOLCOMBE CANAL, EAST—D-636					
Diverted from Pawnee Creek—Sec. 13-13-28 W.					
Measurements made at Rating Flume					
5- 8	D. B. Ender	.....	.....	.....	0.0
5-22	do	1.2	0.69	0.31	.9
6-10	do	2.1	.98	.51	2.0
7-24	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
HOLLINGSWORTH CANAL—D-723					
Diverted from South Platte River—Sec. 7-13-38 W.					
Measurements made at Rating Station					
10- 7	J. H. Hintz	1.9	1.34	.....	2.6
10-14	do	.....	.....	.....	.0
10-28	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
5- 7	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
5-22	do	6.8	1.10	.....	7.4
5-29	do	7.7	1.19	.....	9.1
8- 6	do	1.0	1.00	.....	1.0
8-19	do	13.2	1.23	.....	16.2
8-27	do	12.0	.83	.....	11.0
9- 4	do	12.0	.88	.....	10.6
9-10	do	11.4	1.01	.....	11.5
9-18	do	12.3	1.09	.....	13.4
9-25	do	7.7	1.27	.....	9.8

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HOLLY CANAL—D-956					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements made at Headgate					
10-24	Christensen-Rasmussen	0.2	0.87	.....	0.1
HOOVER CANAL—D-353					
Diverted from Lodgepole Creek—Sec. 12-14-59 W.					
Measurements made at Headgate					
4-25	C. D. Christensen	.....	.....	.....	0.0
5- 5	do	3.6	0.74	.....	2.6
5-30	do	.....	.....	.....	.0
8- 4	do	3.6	.67	.....	2.4
HOWARD CANAL—D-336, A-1645					
Diverted from Lodgepole Creek—Sec. 31-14-47 W.					
Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
HUGHES CANAL—D-987a, 987b					
Diverted from Niobrara River—Sec. 1-28-52 W.					
Measurements made at Headgate					
6- 2	Christensen-Rasmussen	0.2	0.10	.....	0.0
6-19	C. D. Christensen	.5	.25	.....	.1
7-24	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 5	do	4.4	.84	.....	3.7
HURLEY-LILLY-POLLY CANAL—D-354					
Diverted from Lodgepole Creek—Sec. 26-15-56 W.					
Measurements made at Rating Flume					
6-13	C. D. Christensen	1.4	1.77	0.22	2.4
8- 6	do	2.0	1.45	.50	2.9
9- 2	do	2.3	1.26	.56	2.9
9-24	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
INDEPENDENT CANAL—D-343					
Diverted from Lodgepole Creek—Sec. 7-14-58 W.					
Measurements made at Headgate					
4-25	C. D. Christensen	3.6	0.81	.....	2.9
5- 5	do	2.3	1.14	.....	2.6
5-30	do	3.1	.67	.....	2.1
INMAN CANAL—D-79, A-436					
Diverted from Frenchman River—Sec. 17-6-40 W.					
Measurements made at Rating Flume					
5- 9	J. N. Walburn	.....	.....	.....	0.0
6-20	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
JACOBSON PUMP—A-1576					
Diverted from Wood River—Sec. 31-10-16 W.					
Measurement made at Pump Site					
8-19	D. B. Ender	2.2	0.68	.....	1.5
JAMES CANAL—A-3417					
Diverted from Soldier Creek—Sec. 4-31-53 W.					
Measurements made at Headgate					
6- 4	C. D. Christensen	.....	.....	.....	0.0
7-29	do	.....	.....	.....	.0
JENKINS CANAL—A-924					
Diverted from Buffalo Creek—Sec. 18-1-40 W.					
Measurements made at Headgate					
4-29	J. N. Walburn	.....	.....	.....	0.0
5- 3	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
JOHNSON CANAL—D-511					
Diverted from Niobrara River—Sec. 36-31-57 W.					
Measurement made at Headgate					
6- 6	Christensen-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
JOHNSON CANAL—A-612					
Diverted from Lodgepole Creek—Sec. 23-13-45 W.					
Measurements made at Headgate					
4-21	C. D. Christensen	2.5	1.56	.....	3.9
5- 8	do	.....	.....	.....	.0
5-19	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
JONES CANAL—A-3392					
Diverted from Lodgepole Creek—Sec. 36-14-49 W.					
Measurements made below Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	0.0
JORDAN CANAL—A-2032					
Diverted from Monroe Creek—Sec. 22-33-56 W.					
Measurements made at Headgate					
10-24	Christensen-Rasmussen	0.6	1.11	.....	0.7
4- 1	do	.9	.89	.....	.8
6- 6	do	1.7	1.05	0.31	1.8
7- 8	C. D. Christensen	.....	.....	.....	0
7-29	do	.....	.....	.....	.0
8-15	do	.....	.....	.....	.0
JORDAN CANAL—A-841					
Diverted from Monroe Creek—Jordan Reservoir—Sec. 13-33-56 W.					
Measurements made at Headgate					
6- 6	Christensen-Rasmussen	.....	.....	.....	0.0
8-15	do	.....	.....	.....	.0
KAY CANAL—A-2250					
Diverted from Niobrara River—Sec. 1-28-54 W.					
Measurement made at Headgate					
6- 2	Christensen-Rasmussen	.....	.....	.....	0.0
KAY CANAL NO. 2—A-2245					
Diverted from Niobrara River—Sec. 9-28-53 W.					
Measurement made at Headgate					
6- 2	Christensen-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KELLY CANAL—D-915					
Diverted from Pumpkinseed Creek—Sec. 5-19-54 W.					
Measurements made at Headgate					
5- 9	C. D. Christensen	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
8- 1	do	5.1	0.63	.....	3.2
9- 3	do	.....	.....	.....	.0
9-25	Christensen-Harrington	.....	.....	.....	.0
KENT-BURKE CANAL, WEST—A-1694					
Diverted from Pawnee Creek—Sec. 18-13-27 W.					
Measurements made at Rating Flume					
5- 8	D. B. Ender	1.3	1.07	1.34	1.5
5-22	do	1.7	.72	.30	1.2
6-10	do	1.8	1.11	.43	2.0
7-24	do	.....	.....	.....	.0
8-14	do	1.3	1.08	.40	1.4
9- 8	do	1.5	1.53	.38	2.3
KEYSTONE CANAL—D-730, A-662b, A-843, A-1003					
Diverted from White Tail Creek—Sec. 26-15-38 W.					
Measurement made at Headgate					
7-25	J. H. Hintz	.....	.....	.....	0.0
KILPATRICK RESERVOIR CANAL—A-1160					
Diverted from Kilpatrick Reservoir—Sec. 30-6-39 W.					
Measurements made near Reservoir Outlet					
5- 3	J. N. Walburn	.....	.....	.....	0.0
6-20	do	.....	.....	.....	.0
8- 5	do	15.0	0.87	.....	13.1
KINNEY CANAL, SOUTH, NO. 1—D-345, D-350, A-781R, A-1828					
Diverted from Lodgepole Creek—Sec. 31-15-56 W.					
Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	.....	.....	.....	.0
5-21	do	1.8	1.16	0.46	2.1
6-13	do	.....	.....	.....	.0
7-23	do	3.7	.35	1.20	1.3
8- 4	do	3.3	.24	1.10	.8
9-24	do	1.8	.89	.50	1.6

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KINNEY CANAL, NORTH, NO. 2—D-348, A-718 Diverted from Lodgepole Creek—Sec. 33-15-56 W. Measurements made at Headgate					
4-24	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.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					
6- 6	C. D. Christensen	.....	.....	0.20	0.0
7- 8	do	.....	.....	.....	.0
7-29	do	.....	.....	.....	.0
8-15	do	.....	.....	.....	.0
KRUEGER CANAL NO. 1—D-325, D-968 Diverted from Lodgepole Creek—Sec. 29-14-48 W. Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	.0
5-20	do	3.6	1.19	.....	4.3
5-31	do	3.3	1.39	.....	4.6
6-17	do	2.5	.12	.....	.3
7- 1	do	.....	.....	.....	.0
7-21	do	3.8	1.13	.....	4.3
8- 5	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-23	do	3.6	.44	.....	1.6
KRUEGER CANAL NO. 2—D-324 Diverted from Lodgepole Creek—Sec. 32-14-48 W. Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
5-31	do	.....	.....	.....	.0
6-17	do	5.4	0.68	.....	3.7
8-29	do	5.3	.33	.....	1.7
9-23	do	3.9	.21	.....	.8

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KRUEGER CANAL NO. 3—D-323					
Diverted from Lodgepole Creek—Sec. 32-14-48 W.					
Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	5.6	0.71	.....	4.0
5-20	do	3.4	.12	.....	.4
5-31	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
LABELLE CANAL—D-518, A-60					
Diverted from Niobrara River—Sec. 6-28-54 W.					
Measurements made at Headgate					
5- 1	C. D. Christensen	7.7	1.25	.....	9.6
6- 2	Christensen-Rasmussen	5.6	1.34	.....	7.5
6-19	C. D. Christensen	7.6	.74	.....	5.6
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
LANG PUMP—A-3445					
Diverted from Mud (Beaver) Creek—Sec. 13-14-17 W.					
Measurement made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0
LAING CANAL—D-825					
Diverted from Lawrence Fork—Sec. 28-18-52 W.					
Measurements made at Headgate					
8- 7	C. D. Christensen	0.6	0.72	.....	0.5
8-23	P. D. Harrington	1.0	.84	.....	.8
LARSEN PUMP—A-3751					
Diverted from Mud (Beaver) Creek—Sec. 28-13-15 W.					
Measurements made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0
LARSON PUMP—D-646					
Diverted from Slough—Sec. 1-14-31 W.					
Measurement made at Pump Site					
8-30	D. B. Ender	1.4	0.64	.....	0.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
LAKOTAH CANAL—D-554					
Diverted from Niobrara River—Sec. 1-30-57 W.					
Measurements made at Headgate					
5- 6	Christensen-Rasmussen	12.0	0.73	.....	8.8
7-25	do	.....	.....	.....	.0
8-22	C. D. Christensen	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
LIBBY CANAL—D-312					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements made at Headgate					
5- 7	C. D. Christensen	.....	.....	.....	0.0
6-16	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
LIBBY CANAL—D-315					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements made at Headgate					
5- 7	C. D. Christensen	.....	.....	.....	0.0
6-16	do	.....	.....	.....	.0
LIBBY CANAL—D-314					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements made at Headgate					
5- 7	C. D. Christensen	.....	.....	.....	0.0
6-16	do	.....	.....	.....	.0
LICHTE CANAL—D-479, A-1086, A-1088, A-1152, A-2523					
Diverted from Niobrara River—Sec. 27-29-48 W.					
Measurements made at Headgate					
4-30	C. D. Christensen	.....	.....	.....	0.0
5-14	do	10.0	1.82	.....	18.2
5-26	Christensen-Rasmussen	8.0	.84	1.35	6.7
5-26	do	9.8	1.02	1.47	10.1
5-27	do	9.3	.84	1.46	7.8
6- 5	C. D. Christensen	8.2	.78	1.37	6.4
6-15	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-11	do	.....	.....	.....	.0
7-24	do	10.5	.52	1.46	5.4
8-13	do	10.6	.69	1.49	7.3
8-20	do	3.2	1.09	1.30	3.5
9- 6	do	11.8	.61	1.70	7.2

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
LOGAN CANAL—D-902					
Diverted from Pumpkinseed Creek—Sec. 7-19-55 W. Measurements made at Headgate					
5-22	C. D. Christensen	3.6	0.86	.....	3.1
8- 1	do	.....	.....	.....	.0
9-25	Christensen-Rasmussen	.....	.....	.....	.0
LUNDY, DORIS, POWER CANAL—D-1024, A-1224					
Diverted from Middle Loup River—Sec. 4-19-19 W. Measurement made below Spillway					
9-15	W. J. Page	.....	.....	.....	0.0
LYNGHOLM CANAL—D-337					
Diverted from Lodgepole Creek—Sec. 14-14-51 W. Measurement made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
McAULIFFE CANAL—D-814					
Diverted from Lodgepole Creek—Sec. 21-13-45 W. Measurements made at Headgate					
5- 8	C. D. Christensen	.....	.....	.....	0.0
5-19	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
McAULIFFE CANAL—A-1559					
Diverted from Lodgepole Creek—Sec. 21-13-45 W. Measurements made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	.....	.....	.....	.0
5-19	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
MCCARTHEY CANAL—D-749					
Diverted from White Tail Creek—Sec. 36-15-38 W. Measurements made at Headgate					
10-11	J. H. Hintz	.....	.....	.....	0.0
10-25	do	.....	.....	.....	.0
4-25	do	1.7	1.00	.....	1.7
5- 9	do	2.9	.48	.....	1.4
5-30	do	.....	.....	.....	.0
7- 4	do	.....	.....	.....	.0
7-25	do	1.5	.53	.....	.8
8- 8	do	.8	.50	.....	.4
8-27	do	.8	.88	.....	.7
9-19	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
McDONALD CANAL—A-644					
Diverted from Republican River—Sec. 36-1-38 W. Measurements made at Headgate					
5-23	J. N. Walburn	.....	.....	.....	0.0
6-20	do	.....	.....	.....	.0
McGINLEY-STOVER CANAL, UPPER—D-521					
Diverted from Niobrara River—Sec. 23-29-56 W. Measurements made at Headgate					
6- 5	Christensen-Rasmussen	.....	.....	.....	0.0
6-26	C. D. Christensen	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
McGINLEY-STOVER CANAL, NORTH—D-513a					
Diverted from Niobrara River—Sec. 25-29-56 W. Measurements made at Headgate					
6- 5	Christensen-Rasmussen	6.1	0.92	.....	5.6
6-26	C. D. Christensen	7.5	.61	.....	4.6
7-25	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9- 4	do	2.2	.82	.....	1.8
McGINLEY-STOVER CANAL, SOUTH—D-513b					
Diverted from Niobrara River—Sec. 25-29-56 W. Measurements made at Headgate					
6- 5	C. D. Christensen	.....	.....	.....	0.0
6-26	do	0.8	0.50	.....	.4
7-25	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9- 4	do	8.8	0.43	.....	3.8
McGRAW PUMP—A-2398					
Diverted from Victoria Creek—Sec. 6-19-20 W. Measurement made at Pump Site					
9-17	Page-Carstens	.....	.....	.....	0.0
McINTOSH CANAL—D-351, A-734					
Diverted from Lodgepole Creek—Sec. 23-15-55 W. Measurements made at Headgate					
4-24	C. D. Christensen	3.4	1.06	.....	3.6
5- 6	do	3.1	1.06	.....	3.3
5-21	do	5.2	.94	.....	4.9
5-30	do	5.0	.96	0.90	4.8
6-13	do	5.4	.74	.....	4.0
7- 2	do	5.3	.74	1.12	3.9
8- 6	do	.....	.....	.....	.0
9- 2	do	2.5	.96	.86	2.4
9-24	do	2.5	1.04	.....	2.6

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
McLAUGHLIN CANAL—D-566					
Diverted from Niobrara River—Sec. 9-28-52 W. Measurements made at Headgate					
6- 2	Christensen-Rasmussen	3.7	0.84	0.20	3.1
6-19	C. D. Christensen	4.6	.63	.38	3.0
8-21	do	.0	.75	.48	.3
9- 5	do	4.4	1.30	1.64	5.7
McLAUGHLIN CANAL—D-966					
Diverted from Lodgepole Creek—Sec. 25-14-48 W. Measurements made at Headgate					
5- 7	C. D. Christensen	.....	.....	.....	0.0
6-16	do	.....	.....	.....	.0
McMILLAN CANAL—A-2477R, A-2797					
Diverted from Middle Loup River—Sec. 23-21-22 W. Measurement made at Headgate					
9-17	Carstens-Page	.....	.....	.....	0.0
MACE CANAL—D-428					
Diverted from West Ash Creek—Sec. 2-31-51 W. Measurements made at Headgate					
6- 4	C. D. Christensen	.....	.....	.....	0.0
7-31	do	.....	.....	.....	.0
MARANVILLE CANAL—D-70, D-71					
Diverted from Frenchman River—Sec. 12-6-41 W. Measurements made at Headgate					
5-23	J. N. Walburn	.....	.....	.....	0.0
6-20	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
MEEKER CANAL—D-4, D-7, D-8, D-9					
Diverted from Republican River—Sec. 15-3-31 W. Measurements made at Headgate					
5- 3	J. N. Walburn	.....	.....	.....	0.0
5-24	do	12.8	1.50	.....	19.2
6-20	do	2.5	.37	.....	.9
8- 5	do	1.4	1.44	.....	2.1
METTLEN CANAL—A-292, A-1248, A-2244					
Diverted from Niobrara River—Sec. 4-28-54 W. Measurements made at Headgate					
5- 1	C. D. Christensen	3.8	1.47	.....	5.6
6- 2	do	1.0	1.00	.....	1.0
6-19	do	1.6	.63	.....	1.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1947**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MIRAGE FLATS CANAL—A-2683, A-3729					
Measurements made at Rating Station					
10-15	C. D. Christensen	10.6	0.74	0.94	7.9
6-18	do	27.0	.71	1.53	19.1
6-26	do	24.8	.58	1.35	14.3
7-11	do	27.0	.89	1.56	24.0
7-24	do	23.5	.47	1.16	11.0
8-13	do	56.2	2.06	2.65	116.0
8-20	do	51.7	1.81	2.32	93.4
9- 6	do	55.2	1.20	1.76	66.1
9-12	do	43.6	.77	1.21	33.4
MINSHULL PUMP—A-3625					
Diverted from Mud (Beaver) Creek—Sec. 1-13-16 W. Measurement made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0
MONROE CANAL, BIG—D-506, A-2372					
Diverted from Monroe Creek—Sec. 33-33-56 W. Measurements made at Headgate					
10-24	Christensen-Rasmussen	1.0	0.80	.....	0.8
4- 1	do	1.6	.56	0.26	.9
6- 6	C. D. Christensen	.....	.....	.....	.0
6-27	do	.....	.....	.....	.0
7- 8	do	.....	.....	.....	.0
7-28	do	.....	.....	.....	.0
8-15	Christensen-Rasmussen	.....	.....	.....	.0
MONTAGUE CANAL—A-575					
Diverted from Niobrara River—Sec. 27-29-48 W. Measurements made at Headgate					
4-30	C. D. Christensen	.....	.....	.....	0.0
5-14	do	2.2	0.23	.....	.5
5-26	Christensen-Rasmussen	3.4	.53	0.82	1.8
6-18	C. D. Christensen	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-11	do	.....	.....	.....	.0
7-24	do	1.6	.25	.70	.5
8-13	do	1.9	.74	1.00	1.4
8-20	do	.....	.....	.....	.0
9- 6	do	1.6	.56	.....	.9
MOORE CANAL—A-88					
Diverted from Niobrara River—Sec. 9-28-53 W. Measurements made at Headgate					
5- 1	C. D. Christensen	.....	.....	.....	0.0
6- 2	Christensen-Rasmussen	6.9	1.03	.....	7.1
6-19	C. D. Christensen	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MULLOY CANAL					
Diverted from Lower Dugout Creek—Sec. 27-20-48 W.					
Measurements made at Headgate					
8-28	P. D. Harrington	0.4	0.15	.....	0.5
9-29	do	.....	.....	.....	.0
MUTUAL CANAL—D-843					
Diverted from Pumpkinseed Creek—Sec. 33-19-52 W.					
Measurements made at Headgate					
5- 2	P. D. Harrington	.....	.....	.....	0.0
5-22	C. D. Christensen	.....	.....	.....	.0
7- 3	do	.....	.....	.....	.0
8- 1	do	.....	.....	.....	.0
9- 2	do	7.0	0.97	.....	6.8
9-25	Christensen-Harrington	.....	.....	.....	.0
NAAB PUMP—A-2091					
Diverted from North Loup River—Sec. 28-21-17 W.					
Measurements made at Pump Site					
9-15	W. J. Page	.....	.....	.....	0.0
NASLAND CANAL—A-661					
Diverted from Lodgepole Creek—Sec. 1-12-45 W.					
Measurements made at Headgate					
4-21	C. D. Christensen	0.5	2.40	.....	1.2
5-19	do	.9	1.44	.....	1.3
6-16	do	1.0	.80	.....	.8
7- 1	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
NELSON-RADCLIFFE CANAL—D-1034a					
Diverted from Cedar Creek—Sec. 28-18-18 W.					
Measurement made at Headgate					
5- 8	P. D. Harrington	3.4	2.12	.....	7.2
NEUMAN CANAL—A-611, A-1445					
Diverted from Lodgepole Creek—Sec. 26-13-45 W.					
Measurements made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NEUMAN CANALS, NO. 1 AND NO. 2—A-565					
Diverted from Lodgepole Creek—Sec. 36-13-45 W. Measurements made at Headgate					
5- 8	C. D. Christensen	.....	.....	.....	0.0
5-29	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
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.					
9-17	Page-Carstens	10.0	0.93	1.50	9.3
9-24	W. J. Page	1.2	1.02	.39	1.3
NIEHUS CANAL—A-550					
Diverted from Lawrence Fork—Sec. 11-18-52 W. Measurements made at Headgate					
8- 7	C. D. Christensen	1.3	1.00	.....	1.3
8-23	P. D. Harrington	.8	1.25	0.51	1.0
8-25	C. D. Christensen	1.1	1.18	.56	1.3
8-26	do	1.0	1.40	.50	1.4
8-26	do	2.3	.48	.46	1.1
8-26	do	.9	1.11	.42	1.0
8-27	do	.9	1.12	.43	1.0
8-28	do	.9	1.11	.43	1.0
8-28	do	.8	1.06	.40	.9
NOREISCH CANAL—A-83					
Diverted from Monroe Creek—Sec. 33-33-56 Measurement made at Headgate					
7-28	C. D. Christensen	.....	.....	.....	0.0
OBERFELDER CANAL—D-306					
Diverted from Lodgepole Creek—Sec. 31-14-46 W. Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
OWASCO CANAL—D-347, A-725					
Diverted from Lodgepole Creek—Sec. 29-15-55 W. Measurements made at Rating Flume					
4-24	C. D. Christensen	1.3	0.42	0.30	5.5
5- 6	do	3.2	1.31	.30	4.2
5-21	do	1.3	.31	.10	.4
5-30	do	.9	.33	.....	.3
6-13	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-22	do	2.6	.81	.....	2.1
8- 6	do	3.8	.98	.....	3.7
9- 2	do	2.7	.70	.28	1.9
9-24	do	3.0	1.00	.39	3.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
OWASCO CANAL-BAY STATE LATERAL—D-347R					
Diverted from Lodgepole Creek—Sec. 15-55 W.					
Measurements made out of Owasco Canal					
4-24	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	0.7	1.14	.....	.8
5-21	do	.....	.....	.....	.0
5-30	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
8- 6	do	.9	1.45	.....	1.3
9-24	do	.4	.50	0.20	.2
OX YOKE CANAL—D-477					
Diverted from Ash Creek—Sec. 29-32-50 W.					
Measurements made at Headgate					
6- 3	C. D. Christensen	.....	.....	.....	0.0
7- 7	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
PERSINGER CANAL—D-297					
Diverted from Lodgepole Creek—Sec. 33-14-46 W.					
Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	1.0	1.00	.....	1.0
5-19	do	6.0	.50	.....	.3
6-16	do	.4	.25	.....	.1
7-21	do	.8	.52	.....	.4
8- 5	do	.5	.60	.....	.4
8-29	do	.3	.33	.....	.1
9-22	do	.....	.....	.....	.0
PETER CANAL—D-913					
Diverted from Pumpkinseed Creek—Sec. 2-19-56 W.					
Measurements made at Headgate					
5- 9	C. D. Christensen	4.0	0.38	.....	1.5
5-22	do	.....	.....	.....	.0
7- 3	do	.....	.....	.....	.0
8- 1	do	3.1	.58	.....	1.8
9- 3	do	1.5	.77	.....	1.2
9-25	do	2.0	.55	.....	1.1
PETERSON CANAL—A-2006					
Diverted from Lodgepole Creek—Sec. 26-13-45 W.					
Measurements made at Headgate					
5-19	C. D. Christensen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
PHELPS COUNTY CANAL—A-2355					
Diverted from Platte River—Sec. 8-13-29 W.					
Measurements made in Sec. 2-8-21 W.					
10- 1	D. B. Ender	50.1	1.55	0.77	77.6
10-15	do	.....	.....	.....	.0
4-22	do	70.7	1.77	.98	125.0
5- 6	do	81.8	1.99	1.18	163.0
5-14	do	88.6	2.11	1.21	187.0
5-27	do	109.0	2.11	1.43	230.0
6- 2	do	108.0	2.16	1.41	233.0
7-15	do	121.0	2.17	1.58	263.0
7-29	do	1122.0	2.08	1.58	233.0
8- 6	do	201.0	2.36	2.40	472.0
8-12	do	221.0	2.34	2.53	517.0
8-25	do	229.0	2.38	2.51	543.0
9- 3	do	214.0	2.34	2.42	500.0
9-15	do	158.0	2.22	1.88	351.0
9-24	do	129.0	2.24	1.72	288.0

PIONEER CANAL, NORTH—D-442a

Diverted from Niobrara River—Sec. 36-29-51 W.

Measurements made at Headgate

6- 5	Christensen-Rasmussen	20.8	0.44	.....	9.1
7-24	C. D. Christensen	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0

PLUNKETT CANAL—A-2070

Diverted from Reservoir A-2031 from Prairie Dog Creek

Sec. 25-33-56 W.

Measurement made at Headgate

7-28	C. D. Christensen	0.0
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POTMESIL CANAL—A-2566

Diverted from Niobrara River—Sec. 26-29-48 W.

Measurements made at Headgate

4-30	C. D. Christensen	.....	.....	.....	0.0
5-26	Christensen-Rasmussen	8.0	0.84	1.23	6.7
6- 5	do	12.2	1.17	1.76	14.3
6-18	C. D. Christensen	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-11	do	.....	.....	.....	.0
7-24	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
9- 6	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
PREMIER CANAL—D-340					
Diverted from Lodgepole Creek—Sec. 3-14-58 W.					
Measurement made at Headgate					
5- 5	C. D. Christensen	4.0	0.30	.....	1.2
QUINN CANAL—A-1561					
Diverted from Pumpkinseed Creek—Sec. 20-19-51 W.					
Measurement made at Headgate					
5- 2	P. D. Harrington	.....	.....	1.02	0.5
RALTON SYSTEM CANAL—A-847					
Measurements made at Headgate					
5- 8	C. D. Christensen	7.8	0.86	.....	6.7
5-19	do	5.8	.54	.....	3.1
5-29	do	5.6	.30	.....	1.7
6-16	do	3.3	1.27	.....	.4
7-21	do	10.6	.68	.....	15.6
8- 5	do	9.6	1.27	.....	12.2
8-28	do	11.0	1.45	.....	16.0
RALTON CANAL—A-882					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurement made at Headgate					
5- 8	C. D. Christensen	.....	.....	.....	0.0
RANDALL CANAL—A-1100					
Diverted from Lawrence Fork—Sec. 21-18-52 W.					
Measurements made at Headgate					
8- 7	C. D. Christensen	1.8	1.33	.....	2.4
8-23	P. D. Harrington	2.4	1.12	.....	2.7
8-26	C. D. Christensen	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
RANKIN CANAL—A-2477					
Diverted from Middle Loup River—Sec. 4-21-23 W.					
Measurement made at Headgate					
9-17	Page-Carstens	.....	.....	.....	0.0
RIVERSIDE CANAL—D-18, A-1674					
Diverted from Frenchman River—Sec. 33-4-32 W.					
Measurements made at Headgate					
5- 9	J. N. Walburn	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ROGERS CANAL—D-546					
Diverted from Soldier Creek—Sec. 5-31-53 W. Measurements made at Headgate					
6- 4	C. D. Christensen	.....	.....	.....	0.0
7-29	do	.....	.....	.....	.0
ROUND HOUSE ROCK CANAL—D-884					
Diverted from Pumpkinseed Creek—Sec. 28-19-51 W. Measurement made at Headgate					
5- 2	P. D. Harrington	.....	.....	.....	0.0
RUNGE CANAL NO. 1—D-339					
Diverted from Lodgepole Creek—Sec. 20-14-50 W. Measurements made near Headgate					
1-13	C. D. Christensen	.....	.....	.....	0.0
2- 4	do	2.3	0.45	.....	1.0
2-18	do	1.6	.69	.....	1.1
3- 4	do	.7	1.00	.....	.7
3-18	do	.....	.....	.....	.0
4- 5	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
7-22	do	.6	.25	.....	1.5
8- 6	do	2.2	.55	.....	1.2
9-23	do	.....	.....	.....	.0
RUSH CREEK CANAL—D-802					
Diverted from North Platte River—Sec. 2-17-46 W. Measurement made at Rating Flume					
8-25	P. D. Harrington	.....	.....	.....	0.0
RUTTNER CANAL—A-906					
Diverted from Lodgepole Creek—Sec. 30-14-47 W. Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 7	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
7- 2	do	0.2	0.50	.....	.1
9-24	do	1.6	.81	.....	1.3
RUTTNER CANAL, NEW—D-350R, A-727, A-857, A-869					
Diverted from Lodgepole Creek—Sec. 36-15-57 W. Measurements made at Headgate					
4-24	C. D. Christensen	.....	.....	.....	0.0
5-21	do	1.6	1.56	.....	2.5
5-30	do	2.1	1.19	.....	2.5
6-13	do	1.5	.93	.....	1.4
7-23	do	2.3	1.09	0.76	2.5
8- 4	do	2.2	.73	.78	1.6
9- 2	do	1.7	.71	.....	1.2

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SCHILT CEDAR CREEK CANAL—D-507					
Diverted from Cedar Creek—Sec. 35-33-56 W.					
Measurement made at Headgate					
10-24	Christensen-Rasmussen	.....	.....	.....	0.0
SCHILT-MONROE CANAL—D-509					
Diverted from Monroe Creek—Sec. 27-33-56 W.					
Measurements made at Headgate					
6-6	C. D. Christensen	.....	.....	.....	0.0
6-27	do	1.2	1.42	.....	1.7
7-8	do	.....	.....	.....	.0
7-28	do	.....	.....	.....	.0
8-15	do	.....	.....	.....	.0
SCHILT-PRAIRIE DOG CANAL—D-508					
Diverted from Prairie Dog Creek—Sec. 35-33-56 W.					
Measurements made at Headgate					
4-1	Christensen-Rasmussen	0.3	1.00	.....	0.3
7-8	C. D. Christensen	.4	.50	.....	.2
7-28	do	.....	.....	.....	.0
SCHNELL CANAL—A-3588					
Diverted from Pumpkinseed Creek—Sec. 1-19-56 W.					
Measurements made at Headgate					
5-9	C. D. Christensen	5.0	0.24	.....	1.2
5-22	do	5.0	.36	.....	1.8
7-3	do	.....	.....	.....	.0
9-3	do	.....	.....	.....	.0
9-25	Christensen-Harrington	.....	.....	.....	.0
SCHNELL PUMP					
Diverted from Ground Water					
Measurement made at Sec. 1-19-56 W.					
8-1	C. D. Christensen	.....	.....	.....	0.0
SCOTT CANAL—A-711					
Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.					
Measurement made at Headgate					
9-3	C. D. Christensen	2.0	0.35	.....	0.7
SCRIPTER CANAL—A-2288					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements made at Headgate					
8-14	P. D. Harrington	.....	.....	.....	0.0
8-28	do	0.2	0.36	.....	.1
9-10	do	4.0	.67	.....	2.7
9-23	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SEEGRIST CANAL—A-1569					
Diverted from Indian Creek—Sec. 3-31-50 W. Measurement made at Headgate					
7- 7	C. D. Christensen	.....	.....	.....	0.0
SEEGRIST CANAL—A-489					
Diverted from Indian Creek—Sec. 3-31-50 W. Measurement made at Headgate					
7- 7	C. D. Christensen	.....	.....	.....	0.0
SEEGRIST CANAL—A-1823					
Diverted from Renfro Reservoir—Sec. 3-31-50 W. Measurement made at Headgate					
7-31	C. D. Christensen	.....	.....	.....	0.0
SHELDON CANAL—A-493					
Diverted from East Ash Creek—Sec. 30-32-50 W. Measurements made at Headgate					
5-16	C. D. Christensen	.....	.....	.....	0.0
6- 3	do	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
SHEPHERD CANAL—A-1965					
Diverted from Squaw Creek—Sec. 36-34-57 W. Measurement made at Headgate					
4- 1	C. D. Christensen-Rasmussen	0.2	0.66	.....	0.3
SLATTERY CANAL—D-543, A-1683					
Diverted from Jim Creek and Caladonia Reservoir—Sec. 13-33-57 W. Measurement made at Headgate					
8-15	Christensen-Rasmussen	.....	.....	.....	0.0
SLATTERY CANAL—A-1681					
Diverted from Jim Creek—Sec. 13-33-57 W. Measurement made at Headgate					
8- 5	Christensen-Rasmussen	.....	.....	.....	0.0
SMITH CANAL—D-526					
Diverted from Boggy Creek—Sec. 31-33-54 W. Measurement made at Headgate					
8-15	Christensen-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SMITH-WHEELER CANAL—D-842					
Diverted from Pumpkinseed Creek—Sec. 26-19-51 W. Measurement made at Headgate					
5- 2	P. D. Harrington	1.2	1.25	1.03	1.5
SNOW CANAL—D-485					
Diverted from Niobrara River—Sec. 35-29-51 W. Measurements made at Headgate					
4-30	C. D. Christensen	.....	.....	.....	0.0
6- 5	do	5.5	0.82	.....	4.5
6-19	do	.....	.....	.....	.0
7-24	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
SODERQUIST CANAL—A-1240					
Diverted from Lodgepole Creek—Sec. 36-13-45 W. Measurement made at Headgate					
5-19	C. D. Christensen	.....	.....	.....	0.0
SODERQUIST CANAL—A-1237, A-1420					
Diverted from Lodgepole Creek—Sec. 36-13-45 W. Measurements made at Headgate					
5- 8	C. D. Christensen	.....	.....	.....	0.0
5-19	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
SOW BELLY CANAL, OLD—D-533					
Diverted from Sow Belly Creek—Sec. 7-32-55 W. Measurements made at Headgate					
8-15	C. D. Christensen	.....	.....	.....	0.0
SPRING BRANCH CANAL—D-862, D-893, A-669					
Diverted from Lawrence Fork—Sec. 11-18-52 W. Measurements made at Headgate					
8- 7	C. D. Christensen	1.5	1.20	.....	1.8
8-23	P. D. Harrington	1.7	1.47	0.12	2.5
8-25	C. D. Christensen	2.6	1.23	.20	3.2
8-25	do	2.6	1.23	.19	3.2
8-26	do	3.2	1.50	.31	4.8
8-26	do	3.0	1.40	.27	4.2
8-26	do	3.1	1.33	.24	4.1
8-26	do	2.7	1.13	.16	3.0
8-27	do	2.7	1.37	.19	3.7
8-28	do	2.5	1.08	.14	2.7

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

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					
5-7	C. D. Christensen	.....	.....	.....	0.0
STUART BROTHERS CANAL, SOUTH—A-8					
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.					
Measurement made at Headgate					
4-2	Christensen-Rasmussen	.....	.....	.....	0.0
TOBIN CANAL—D-330					
Diverted from Lodgepole Creek—Sec. 28-14-47 W.					
Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5-7	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8-5	do	0.7	1.17	.....	.6
8-29	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
TODD CANAL—A-520					
Diverted from East Ash Creek—Sec. 5-31-50 W.					
Measurements made at Headgate					
6-4	C. D. Christensen	.....	.....	.....	0.0
7-7	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
TRACY CANAL—A-870					
Diverted from Lodgepole Creek—Sec. 12-14-59 W.					
Measurements made at Headgate					
4-25	C. D. Christensen	.....	.....	.....	0.0
5-5	do	1.0	0.90	.....	.9
5-21	do	.5	1.20	.....	.6
5-30	do	1.6	.88	.....	1.4
6-13	do	1.6	1.06	.....	1.7
7-3	do	2.2	1.18	.....	2.6
8-4	do	.....	.....	.....	.0
TRAILS END CANAL—A-3453					
Diverted from Pumpkinseed Creek—Sec. 30-19-52 W.					
Measurements made at Headgate					
5-2	P. D. Harrington	13.3	0.38	1.74	5.0
5-9	C. D. Christensen	11.6	.58	.77	6.7
5-22	do	8.3	.42	.80	3.5
7-3	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
TRI-STATE CANAL—A-768					
Diverted from Akers Draw—Sec. 12-23-57 W.					
Measurements made at intersection with Tri-State Canal					
10- 2	S. M. Christensen	7.6	1.75	.....	13.4
1-23	do	9.5	1.61	.....	15.3
2- 4	P. D. Harrington	9.5	1.30	.....	12.3
2-20	S. M. Christensen	9.0	1.16	.....	10.4
3-26	do	5.8	1.02	.....	5.9
5- 7	do	8.4	1.34	.....	11.3
5-15	do	9.6	1.24	.....	11.9
5-21	do	9.6	1.21	.....	11.6
6- 2	do	7.8	1.20	.....	9.9
6-30	do	6.6	1.06	.....	7.0
7-16	do	14.4	1.12	.....	16.2
8- 5	do	13.0	.88	.....	11.5
8-20	Christensen-Sullivan	16.6	.49	.....	8.2
9- 9	S. M. Christensen	13.9	.87	.....	12.1
9-29	do	7.2	1.47	.....	10.6
TRI-STATE CANAL					
Diverted from Sheep Creek—Sec. 8-23-57 W.					
Measurements made at Headgate of Feeder Canal					
7-15	S. M. Christensen	37.0	1.77	.....	65.4
7-23	do	31.2	2.36	2.36	73.8
8- 5	do	47.5	1.91	.....	90.7
8-15	do	51.5	2.16	3.28	111.0
8-19	Christensen-Sullivan	49.8	2.23	.....	111.0
9- 9	S. M. Christensen	53.4	2.14	.....	114.0
9-29	do	46.6	2.60	.....	121.0
TRI-STATE CANAL—A-768					
Diverted from Dry Spotted Tail Creek—Sec. 9-23-56 W.					
Measurements made at North Line of Sec. 9-23-56 W.					
7-15	S. M. Christensen	.....	.....	.....	0.0
8- 8	do	11.6	2.26	1.85	26.2
8-20	Christensen-Sullivan	16.4	1.74	2.00	28.6
9- 9	S. M. Christensen	14.8	2.58	2.21	38.2
TRI-STATE CANAL—A-768					
Diverted from Wet Spotted Tail Creek—Sec. 10-23-56 W.					
Measurements made at South Line of Sec. 3-23-56 W.					
5- 2	S. M. Christensen	5.9	1.92	1.18	11.4
5- 7	do	6.1	1.77	1.19	10.8
5-15	do	6.0	2.58	1.22	15.5
5-20	do	6.4	2.20	1.26	14.1
6- 3	do	9.0	2.03	1.38	18.3
6-30	do	12.8	2.10	1.51	26.9
7-15	do	9.6	2.14	1.36	20.4
7-22	do	10.8	1.62	1.28	17.5
8- 5	do	9.7	1.97	1.32	19.1
8-14	do	10.9	2.02	1.36	22.3
8-20	Christensen-Sullivan	13.3	1.99	1.51	26.5
9- 9	S. C. Christensen	14.7	2.04	1.61	29.9
9-29	do	17.7	2.21	1.74	39.1

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
TRI-STATE CANAL—A-768					
Diverted from Tub Springs—Sec. 27-23-55 W.					
Measurements made at Sec. 27-23-55 W.					
5- 2	S. M. Christensen	12.0	1.77	1.88	21.2
5- 5	do	11.8	1.88	1.88	22.2
5-15	do	12.4	1.86	1.88	23.1
5-22	do	12.6	1.97	1.95	24.8
6- 2	do	.....	.....	.....	.0
7-15	do	13.6	2.19	2.05	29.8
8- 5	do	15.9	2.56	1.26	40.5
8-15	do	17.0	2.63	2.32	44.8
8-20	Christensen-Sullivan	16.7	2.58	1.31	43.0
9-12	S. M. Christensen	16.1	2.69	3.39	43.2
9-29	do	.....	.....	.....	.0
TRI-STATE CANAL, D-918, A-660, ALLIANCE DRAIN					
To River—Sec. 18-22-53 W.					
7-23	S. M. Christensen	6.0	2.56	0.91	15.4
7-31	Christensen-Kimmel	7.5	2.73	2.82	20.5
8-14	S. M. Christensen	10.5	2.77	3.17	29.0
9-10	do	7.6	2.63	3.05	20.0
TRI-STATE SPILLWAY					
To River—Sec. 13-23-58 W.					
7- 9	S. M. Christensen	100.0	1.67	2.70	167.0
8-18	Christensen-Sullivan	52.0	1.44	.....	74.9
TRI-STATE CANAL, MITCHELL SPILLWAY					
To River—Sec. 35-23-56 W.					
10- 1	S. M. Christensen	30.7	1.30	.....	39.8
10- 9	do	20.5	1.90	.....	38.9
10-16	do	20.6	1.48	.....	30.3
10-22	do	19.9	1.52	.....	30.3
11-13	do	16.2	1.52	.....	24.5
11-21	do	18.0	1.48	.....	26.6
11-27	do	16.9	1.28	.....	21.7
12- 4	do	16.3	1.31	.....	20.2
12-11	do	16.1	1.32	.....	21.2
1- 8	do	10.4	1.44	.....	15.0
1-15	do	9.1	.82	.....	7.5
1-23	do	11.4	1.21	.....	13.8
2-20	do	13.8	1.20	.....	16.6
2-25	do	9.9	1.25	.....	12.4
3-12	do	10.2	.98	.....	10.0
3-19	do	10.4	1.00	.....	10.4
3-25	do	7.5	1.00	.....	7.5
4- 3	do	7.8	.92	.....	7.2
4-17	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
TRI-STATE CANAL, TOOHEY SPILLWAY					
To River—Sec. 19-23-56 W.					
10-10	S. M. Christensen	12.1	1.65	.....	20.0
10-16	do	15.2	1.47	.....	22.4
10-22	do	16.8	1.71	.....	28.7
11-14	do	13.4	1.63	.....	21.8
11-21	do	12.0	1.46	.....	17.5
11-26	do	11.2	1.60	.....	17.9
12- 4	do	12.2	1.40	.....	17.1
12-11	do	12.3	1.49	.....	18.3
12-24	do	11.2	1.61	.....	18.1
1- 7	do	10.9	1.63	.....	17.8
1-15	do	10.2	1.29	.....	13.2
1-23	do	10.4	1.27	.....	13.2
1-28	do	12.2	1.36	.....	16.6
2-11	do	11.1	1.23	.....	13.7
2-25	do	11.5	1.29	.....	14.8
3-12	do	11.7	1.31	.....	15.3
3-19	do	12.4	1.28	.....	15.8
3-26	do	12.0	1.32	.....	15.8
4- 3	do	11.2	1.27	.....	14.2
4-16	do	7.3	1.04	.....	7.6
URBACH CANAL—D-308, A-723					
Diverted from Lodgepole Creek—Sec. 15-14-51 W.					
Measurements made at Headgate					
4-23	C. D. Christensen	.....	.....	.....	0.0
5- 6	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
5-30	do	.....	.....	.....	.0
6-14	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8- 6	do	2.5	0.36	.....	.9
8-30	do	.....	.....	.....	.0
WAGNER PUMP—A-3912					
Diverted from Mud (Beaver) Creek—Sec. 34-15-17 W.					
Measurements made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0
WARBONNET CANAL—D-548					
Diverted from Warbonnet Creek—Sec. 21-33-56 W.					
Measurements made at Headgate					
10-24	Christensen-Rasmussen	.....	.....	.....	0.0
8-15	do	1.2	1.00	.....	1.2

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1947**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WARBONNET CANAL NO. 2—A-892					
Diverted from Warbonnet Creek—Sec. 20-33-56 W.					
Measurements made at Headgate					
7- 8	C. D. Christensen	0.4	0.50	.....	0.2
7-29	do	.....	.....	.....	.0
8-15	Christensen-Rasmussen	.....	.....	.....	.0
WARNEKE CANAL—D-505					
Diverted from Niobrara River—Sec. 27-31-57 W.					
Measurement made at Headgate					
6- 6	Christensen-Rasmussen	.....	.....	.....	0.0
WEARIN CANAL—A-1864					
Diverted from Lodgepole Creek—Sec. 8-14-58 W.					
Measurements made at Rating Flume					
4-25	C. D. Christensen	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
WERTZ CANAL—A-600					
Diverted from Lodgepole Creek—Sec. 12-13-46 W.					
Measurements made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
5-19	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
WICKERSHAM CANAL—A-2203					
Diverted from Wickersham Reservoir—Sec. 30-33-54 W.					
Measurement made at Headgate					
7-29	C. D. Christensen	.....	.....	.....	0.0
WICKERSHAM CANAL—A-701, A-2204					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements made at Headgate					
7- 8	C. D. Christensen	.....	.....	.....	0.0
7-29	do	.....	.....	.....	.0
WICKERSHAM SUPPLY CANAL—A-2182					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements made at Headgate					
7- 8	C. D. Christensen	0.1	0.60	.....	0.0
7-29	do	.....	.....	.....	.0
8-15	Christensen-Rasmussen	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1947

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WIEGAND CANAL—A-563					
Diverted from Lodgepole Creek—Sec. 17-13-45 W.					
Measurements made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
WIEGAND CANAL NO. 2—A-1323					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurement made at Headgate					
9-22	C. D. Christensen	.....	.....	.....	0.0
WIEGAND CANAL, SOUTH—A-1323					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	.....	.....	.....	.0
WIEGAND CANAL NO. 3—A-1322					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	.....	.....	.....	.0
WILDS CANAL, NORTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	.....	.....	.....	.0
5-19	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
WILDS CANAL, SOUTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	.....	.....	.....	.0
5-19	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1947**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WILSON PUMP—A-1879					
Diverted from Mud (Beaver) Creek—Sec. 14-14-17 W.					
Measurement made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0
WOLF CANAL—D-813					
Diverted from Lodgepole Creek—Sec. 18-13-45 W.					
Measurements made at Headgate					
4-21	C. D. Christensen	.....	.....	.....	0.0
5- 8	do	3.3	0.45	.....	1.5
6-16	do	3.6	.58	.....	2.1
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-22	do	3.9	1.02	.....	4.0
YANDA PUMP—A-1920					
Diverted from Mud (Beaver) Creek—Sec. 8-12-14 W.					
Measurement made at Pump Site					
9-18	W. J. Page	.....	.....	.....	0.0
ZERBST CANAL—A-2003					
Diverted from Little Red Creek—Sec. 34-33-56 W.					
Measurements made at Headgate					
10-24	Christensen-Rasmussen	.....	.....	.....	0.0
7-28	C. D. Christensen	.....	.....	.....	.0
ZERBST CANAL—D-551					
Diverted from Little Red Creek—Sec. 35-33-56 W.					
Measurements made at Headgate					
10-24	Christensen-Rasmussen	.1	0.20	.....	0.0
4- 1	do	.....	.....	.....	.0
ZIMMERMAN CANAL—532					
Diverted from Sow Belly Creek—Sec. 34-33-55 W.					
Measurement made at Headgate					
8-15	Christensen-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ADAMS CANAL—D-371					
Diverted from Lodgepole Creek—Sec. 3-14-52 W.					
Measurements made at Headgate					
4-19	R. F. Bishop	.....	.....	.....	0.0
5- 4	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
7- 1	C. D. Christensen	.....	.....	.....	.0
7- 8	do	3.4	0.48	.....	1.6
AIRDALE CANAL NO. 1—A-698, A-1380					
Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.					
Measurement made at 5.5 ft. Weir					
9-27	Jack Ratliff	.....	.....	.....	0.0
AIRDALE CANAL NO. 2—A-699, A-1133					
Diverted from Pumpkinseed Creek—Sec. 1-19-55 W.					
Measurement made at Headgate					
9-27	Jack Ratliff	.....	.....	.....	0.0
AIRDALE CANAL NO. 3—A-1508					
Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.					
Measurement made at Headgate					
9-27	Jack Ratliff	.....	.....	.....	0.0
ALLEN-LARNED CANAL—D-117					
Diverted from Buffalo Creek—Sec. 18-1-40 W.					
Measurement made at Headgate					
6- 4	L. F. Zabel	.....	.....	.....	0.0
ALMERIA CANAL—A-2469, A-2868, A-2869					
Diverted from North Loup River—Sec. 10-22-20 W.					
Measurements made below Headgate					
6-15	W. J. Page	.....	.....	.....	0.0
7-14	do	.....	.....	.....	.0
ANDERSON CANAL—D-373					
Diverted from Lodgepole Creek—Sec. 8-14-51 W.					
Measurements made at Headgate					
4-19	R. F. Bishop	.....	.....	.....	0.1
5- 4	do	.....	.....	.....	.0
5-22	do	3.5	0.88	.....	3.1
6- 8	do	3.0	.53	.....	1.6
7- 1	C. D. Christensen	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ANDREWS SUPPLY CANAL—A-2530					
Diverted from Sow Belly Creek—Sec. 5-32-55 W.					
Measurements made at Headgate					
7- 1	Bishop-Rasmussen	.....	.....	.....	0.0
7-20	R. F. Bishop	.....	.....	.....	.0
8- 5	Bishop-Rasmussen	.....	.....	.....	.0
8-17	R. F. Bishop	1.2	1.00	.....	1.2
8-26	Bishop-Rasmussen	.....	.....	.....	.0
9- 2	do	.....	.....	.....	.0
ANDREWS PUMP—A-2867					
Diverted from Republican River—Sec. 29-4-24 W.					
Measured at Pump Outlet					
7-23	L. F. Zabel	.....	.....	.....	0.0
ANTRIM CANAL—A-594					
Diverted from Hat Creek—Sec. 3-32-55 W.					
Measurements made at Headgate					
4- 6	Bishop-Rasmussen	.....	.....	.....	0.0
5-28	R. F. Bishop	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
ANTRIM CANAL—A-834					
Diverted from Hat Creek—Sec. 3-32-55 W.					
Measurements made at Headgate					
5-28	R. F. Bishop	.....	.....	.....	0.0
7-20	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
ASH CREEK, WEST, CANAL—A-434, D-452R					
Diverted from West Ash Creek—Sec. 35-32-51 W.					
Measurements made at Headgate					
4- 9	Bishop-Rasmussen	.....	.....	.....	0.0
8- 4	R. F. Bishop	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

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					
4-15	Bishop-Hanna	.....	.....	.....	0.0
5- 4	R. F. Bishop	.....	.....	.....	.0
5-20	do	0.8	0.05	0.24	.4
6- 4	do	2.1	.57	.31	1.2
6-14	C. D. Christensen	1.1	.27	.....	.3
6-23	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
7- 8	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-17	do	1.3	1.18	.26	1.5
8-23	do	.3	.71	.08	.2
8-27	do	1.1	1.08	.25	1.2
9- 1	do	1.2	.78	.21	.9
9-17	do	1.6	1.31	.32	2.2
BARBER CANAL—D-754, A-1111					
Diverted from Clear Creek—Sec. 29-16-41 W.					
Measurements made at Headgate					
8-12	Jack Ratliff	7.3	0.98	.....	7.2
9-13	do	6.6	.82	.....	5.4
BARRON CANAL, EAST—A-2024					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements made at Headgate					
4- 9	Bishop-Rasmussen	.....	.....	.....	0.0
6-16	do	.....	.....	.....	.0
8-25	R. F. Bishop	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
BARRON CANAL, WEST—D-438R					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements made at Headgate					
4- 9	Bishop-Rasmussen	.....	.....	.....	0.0
6-16	do	.....	.....	.....	.0
7-28	R. F. Bishop	.....	.....	.....	.0
BARTH PUMP—A-3143, A-3328					
Diverted from Blackwood Creek—Sec. 33-4-31 W.					
Measurement made at Pump Outlet					
5-21	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BASS PUMP NO. 1—A-2151					
Diverted from Bordeaux Creek, Big—Sec. 14-33-48 W.					
Measurements made at Pump Outlet					
6- 1	R. F. Bishop	.....	.....	.....	0.0
7-12	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
BASS PUMP NO. 2—A-2328					
Diverted from Bordeaux Creek, Big—Sec. 14-33-48 W.					
Measurements made at Pump Outlet					
6- 1	R. F. Bishop	.....	.....	.....	0.0
7-12	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
BASS NURSERY CANAL—A-3891					
Diverted from Bordeaux Creek, Big—Sec. 23-33-48 W.					
Measurements made at Pump Outlet					
6- 1	R. F. Bishop	.....	.....	.....	0.0
6-25	do	.....	.....	.....	.0
7-12	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
BEAL CANAL—A-1620					
Diverted from South Platte River—Sec. 20-13-40 W.					
Measurements made at Headgate					
10- 7	J. H. Hintz	22.6	0.38	.....	8.7
10-30	do	.....	.....	.....	.5
4- 8	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5- 3	do	.....	.....	.....	.0
5-13	do	.....	.....	.....	.0
5-19	do	.....	.....	.....	.0
5-26	do	17.2	1.18	.....	20.3
6- 3	do	14.8	1.11	.....	16.5
6- 9	do	.....	.....	.....	.0
7- 2	do	1.6	1.02	.....	1.6
7- 9	do	5.7	1.05	.....	6.0
7-22	do	2.3	1.03	.....	2.4
7-29	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
8-30	do	7.6	1.28	.....	9.8
9-16	do	3.8	1.22	.....	4.6
9-22	do	3.2	1.06	.....	3.4
9-29	do	13.5	1.30	.....	17.6

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BEISER CANAL—A-1056					
Diverted from Niobrara River—Sec. 4-29-56 W. Measurements made at Headgate					
4- 7	Bishop-Rasmussen	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6-16	R. F. Bishop	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0
BENDIX CANAL—A-189, A-1669					
Diverted from Sand Creek—Sec. 35-33-53 W. Measurement made at Headgate					
4-10	Bishop-Rasmussen	0.5	0.63	.....	0.3
BENNETT CANAL—A-1249					
Diverted from Niobrara River—Sec. 1-28-54 W. Measurements made at Headgate					
4-12	Bishop-Rasmussen	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6- 2	R. F. Bishop	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7- 9	do	.....	.....	.....	.0
7-15	Bishop-Munson	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-13	R. F. Bishop	.....	.....	.....	.0
BENNETT CANAL—A-691, A-1975					
Diverted from Lodgepole Creek and Bennett Reservoir— Sec. 22-15-55 W. Measurements made at Headgate					
4-19	R. F. Bishop	.....	.....	.....	0.0
5- 4	do	3.8	0.66	.....	2.5
5-20	do	.....	.....	.....	.0
6- 4	do	3.5	.86	.....	3.0
6-10	do	1.4	.07	.....	.1
7- 1	C. D. Christensen	4.0	.89	1.41	3.6
7- 8	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-22	do	4.8	0.62	1.62	3.0
7-23	do	4.9	.65	1.61	3.0
7-27	do	.....	.....	.80	.0
8- 4	do	4.1	.55	1.34	2.3
8-17	do	4.0	.60	1.29	2.4
8-27	do	4.2	.60	1.34	2.5
9- 1	do	4.2	.32	1.36	1.3
9-17	do	4.8	.53	1.56	2.5
9-25	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1948**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BICKEL CANAL—D-347, A-719, A-724					
Diverted from Lodgepole Creek—Sec. 30-15-55 W.					
Measurements made at Rating Flume					
4-15	Bishop-Hanna	.....	.....	.....	0.0
5- 4	R. F. Bishop	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
6- 4	do	2.4	0.83	0.54	2.0
6-14	C. D. Christensen	2.0	1.00	.37	2.0
6-23	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
7- 8	do	2.8	0.66	0.55	1.8
7-27	do	1.7	1.15	.59	2.0
8- 4	do	.....	.....	.....	.0
8-17	do	2.6	.44	.59	1.1
8-26	do	2.1	.78	.66	1.6
8-27	do	2.2	.44	.42	1.0
9- 1	do	1.7	.43	.49	.8
9-17	do	1.2	.50	.66	.6
9-24	do	1.1	.44	.32	.5
BIGELOW-SEYMOUR CANAL—D-510					
Diverted from Niobrara River—Sec. 19-31-57 W.					
Measurements made at Headgate					
4- 7	Bishop-Rasmussen	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6-17	R. F. Bishop	.....	.....	.....	.0
7-15	Bishop-Munson	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0
BIRD CAGE-QUINN CANAL—D-892, A-1561					
Diverted from Pumpkinseed Creek—Sec. 20-19-51 W.					
Measurements made at Headgate					
5-20	Jack Ratliff	.....	.....	.....	0.0
7-26	do	.....	.....	.....	.0
9-27	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BIRDWOOD CANAL, WEST—D-652					
Diverted from Birdwood Creek—Sec. 2-14-33 W.					
Measurements made at Rating Flume					
10- 4	J. H. Hintz	1.9	0.73	.....	1.5
10-15	do	1.6	.66	.....	1.1
10-21	do	2.7	1.19	.....	3.3
10-28	do	2.6	1.00	.....	2.6
11-11	do	2.0	1.13	.....	2.3
3-22	do	.3	.61	.....	.2
3-30	do	.9	.65	.....	.6
4-12	do	.6	.61	.....	.4
4-19	do	.6	.54	.....	.3
4-26	do	.6	.63	.....	.4
5- 7	do	.9	.63	.....	.6
5-17	do	1.1	.86	.....	1.0
6- 7	do	3.2	1.20	.....	3.8
6-22	do	.4	.67	.....	.2
6-30	do	1.0	.76	.....	.8
7-13	do	2.2	1.06	.....	2.3
7-20	do	2.9	.91	.....	2.6
7-27	do	1.6	1.01	.....	1.7
8- 3	do	.6	.58	.....	.4
8-10	do	1.0	.52	.....	.5
8-31	do	.9	.67	.....	.6
9-14	do	.9	.80	.....	.7
9-21	do	1.0	.81	.....	.8
9-28	do	.9	.74	.....	.7
BLICKENSTAFF PUMP—A-3324					
Diverted from Sappa Creek, Sec. 21-2-20 W.					
Measurement made at Pump Outlet					
6-18	L. F. Zabel	.....	.....	.....	0.0
BLUHM CANAL—A-1811					
Diverted from Lodgepole Creek—Sec. 36-14-48 W.					
Measurements made at Headgate					
4-20	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
BOELUS POWER CANAL—A-1373					
Diverted from Middle Loup River—Sec. 30-13-12 W.					
Measurement made at Headrace Flume					
10- 2	W. J. Page	279.0	2.20	.....	614.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BOOTH CANAL—D-309, D-319					
Diverted from Lodgepole Creek—Sec. 29-14-47 W.					
Measurements made at Rating Flume					
4-20	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.1
5-25	do	.....	.....	.....	.1
6- 9	do	3.8	0.45	.....	1.7
6-30	C. D. Christensen	1.2	.43	.....	.5
7- 9	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8- 2	do	.....	.....	.....	.0
BORDWELL CANAL—D-302					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurements made at Headgate					
4-20	R. F. Bishop	.....	.....	.....	0.0
5- 1	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
7- 9	C. D. Christensen	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0
BORDWELL CANAL—D-303					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurements made at Headgate					
4-20	R. F. Bishop	2.8	1.09	.....	3.0
5- 1	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
7- 9	C. D. Christensen	.....	.....	.....	.0
BORQUIST CANAL, SOUTH—D-300					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements made at Headgate					
4-20	R. F. Bishop	.....	.....	.....	0.0
5- 1	do	.....	.....	.....	.0
5-24	do	1.5	1.00	.....	1.5
6- 8	do	.7	1.14	0.35	.8
7- 9	C. D. Christensen	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BORQUIST CANAL, NORTH—D-301					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements made at Headgate					
4-20	R. F. Bishop	.....	.....	.....	0.0
5- 1	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
7- 9	C. D. Christensen	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
BOURETT CANAL—A-546					
Diverted from Niobrara River—Sec. 19-30-56 W.					
Measurements made at Headgate					
4- 7	Bishop-Rasmussen	.....	.....	.....	0.0
7-15	Bishop-Munson	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
BOURETT CANAL—A-4					
Diverted from Niobrara River—Sec. 33-30-56 W.					
Measurements made at Headgate					
7-15	Bishop-Munson	.....	.....	.....	0.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
BOURETT CANAL, SOUTH—A-5					
Diverted from Niobrara River—Sec. 29-30-56 W.					
Measurements made at Headgate					
7-14	Bishop-Munson	.....	.....	.....	0.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
BOURETT CANAL—A-542					
Diverted from Niobrara River—Sec. 29-30-56 W.					
Measurements made at Headgate					
7-14	Bishop-Munson	.....	.....	.....	0.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
BOURETT CANAL NO. 2—A-1209					
Diverted from Niobrara River—Sec. 29-30-56 W.					
Measurements made at Headgate					
7-29	Bishop-Rasmussen	.....	.....	.....	0.0
8-12	R. F. Bishop	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1948**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BRADY CANAL—D-352					
Diverted from Lodgepole Creek—Sec. 28-15-54 W.					
Measurements made at Headgate					
4-19	R. F. Bishop	3.9	0.70	.....	2.7
5- 4	do	2.4	.71	.....	1.7
5-21	do	1.2	.58	.....	.7
6- 4	do	.6	.33	.....	.2
7- 1	C. D. Christensen	.....	.....	.....	.0
7- 8	do	.....	.....	.....	.0
BROWN PUMP—A-3758					
Diverted from Indian Creek—Sec. 23-2-36 W.					
Measurement made at Pump Outlet					
7-22	L. F. Zabel	.....	.....	.....	0.0
BULLOCK CANAL—D-296					
Diverted from Lodgepole Creek—Sec. 3-13-46 W.					
Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
7- 9	C. D. Christensen	.....	.....	.....	.0
8- 2	do	.....	.....	.....	.0
8-31	do	.....	.....	.....	.0
BULLOCK CANAL—A-437					
Diverted from Lodgepole Creek—Sec. 4-13-46 W.					
Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
BURT PUMP—A-3271					
Diverted from Sappa Creek—Sec. 34-2-21 W.					
Measurement made at Pump Outlet					
6-18	L. F. Zabel	.....	.....	.....	0.0
BUSHNELL CANAL—A-504					
Diverted from Lodgepole Creek—Sec. 2-14-58 W.					
Measurements made at Headgate					
4-16	R. F. Bishop	.....	.....	.....	0.0
5- 3	do	.....	.....	.....	.0
5-21	do	1.6	0.75	.....	1.2
6- 3	do	.9	.78	.....	.7
9- 2	Christensen-Lutey	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
CAFFREY PUMP—A-2945					
Diverted from Sappa Creek—Sec. 22-2-20 W. Measurement made at Pump Outlet					
6-18	L. F. Zabel	.....	.....	.....	0.0
CALADONIA CANAL—A-1681, A-1683					
Diverted from Jim Creek and Caladonia Reservoir—Sec. 13-33-57 W. Measurement made at Headgate					
5-15	Bishop-Rasmussen	.....	.....	.....	0.0
CALADONIA RESERVOIR—A-1680					
Diverted from Jim Creek—Sec. 13-33-57 W. Filled to capacity					
5-13	Bishop-Rasmussen	.....	.....	.....	0.0
CALADONIA CANAL—D-543, A-1683					
Diverted from Jim Creek—Sec. 13-33-57 W. Measurement made at Headgate					
5-13	Bishop-Rasmussen	.....	.....	.....	0.0
CHAMPION CANAL—D-47, A-1108					
Diverted from Frenchman River—Sec. 23-6-40 W. Measurements made at Headgate					
6-1	L. F. Zabel	10.1	0.98	1.75	9.9
7-12	do	4.1	.60	1.30	2.5
CHASE COUNTY LAND AND LIVESTOCK CANAL NO. 1—A-57					
Diverted from Stinking Water Creek—Sec. 4-7-38 W. Measurement made at Headgate					
6-2	L. F. Zabel	1.6	0.82	.....	1.3
CHERRY CREEK CANAL—D-549					
Diverted from Cherry Creek—Sec. 29-33-54 W. Measurement made at Headgate					
9-2	Bishop-Rasmussen	.....	.....	.....	0.0
CHRISTENSEN CANAL, NORTH—D-367					
Diverted from Lodgepole Creek—Sec. 7-14-51 W. Measurements made at Headgate					
4-19	R. F. Bishop	2.3	0.32	.....	0.7
5-4	do	3.0	.47	.....	1.4
5-22	do	2.3	.21	.....	.5
6-8	do	.8	.37	.....	.3
7-1	C. D. Christensen	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1948**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
CHRISTENSEN CANAL, SOUTH—D-366					
Diverted from Lodgepole Creek—Sec. 7-14-51 W.					
Measurements made at Headgate					
4-19	R. F. Bishop	1.6	0.11	.....	0.2
5- 4	do	4.1	.29	.....	1.2
5-22	do	.....	.....	.....	.1
6- 8	do	.....	.....	.....	.1
7- 8	C. D. Christensen	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
CIRCLE ARROW CANAL—D-346					
Diverted from Lodgepole Creek—Sec. 30-15-54 W.					
Measurements made at Headgate					
4-17	Bishop-Hanna	.....	.....	.....	0.0
5- 4	R. F. Bishop	.....	.....	.....	.0
5-21	do	1.1	1.00	0.35	1.1
6- 4	do	.9	1.12	.35	1.1
6-10	do	1.8	1.84	.65	3.3
7- 1	C. D. Christensen	2.2	1.91	.85	4.3
7- 8	do	1.9	1.57	.66	2.9
7-22	do	2.2	1.53	.80	3.4
7-27	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9- 1	do	.8	1.22	.30	1.0
9-15	do	1.0	1.32	.36	1.3
9-25	do	1.3	1.30	.47	1.7
CLEAR CREEK CANAL—D-748					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements made at Rating Flume					
8-12	Jack Ratliff	.....	.....	.....	0.0
9-13	do	4.1	0.58	.....	2.4
COFFEE CANAL, EAST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurements made at Headgate					
4- 6	Bishop-Rasmussen	2.0	0.88	.....	1.8
6-14	R. F. Bishop	2.0	.75	.....	1.5
7- 1	Bishop-Rasmussen	.....	.....	.....	.0
7-20	R. F. Bishop	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 2	Bishop-Rasmussen	.....	.....	.....	.0
9-29	Meyers-Caughran	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
COFFEE CANAL, WEST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurements made at Headgate					
5-28	R. F. Bishop	2.4	0.71	.....	1.7
6-14	do	.....	.....	.....	.0
7- 1	Bishop-Rasmussen	.....	.....	.....	.0
7-20	R. F. Bishop	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 2	Bishop-Rasmussen	.....	.....	.....	.0
9-29	Meyers-Caughran	.....	.....	.....	.0
COFFEE AND SON FLOOD CANAL—A-1236					
Diverted from Hat Creek—Sec. 14-33-55 W.					
Measurements made at Headgate					
4- 6	Bishop-Rasmussen	.....	.....	.....	0.0
7- 1	do	.....	.....	.....	.0
8-17	R. F. Bishop	.....	.....	.....	.0
9- 2	Bishop-Rasmussen	.....	.....	.....	.0
COOK CANAL, NO. 1—D-980					
Diverted from Niobrara River—Sec. 1-28-56 W.					
Measurements made at Headgate					
5-14	Bishop-Rasmussen	2.0	1.15	0.88	2.3
6- 2	R. F. Bishop	2.8	1.04	.95	2.9
7-15	Bishop-Munson	2.8	.79	1.04	2.2
7-29	Bishop-Rasmussen	3.4	.76	1.20	2.6
8-12	R. F. Bishop	.....	.....	.....	.0
9- 1	do	1.9	.84	.56	1.6
COOPER CANAL—A-333					
Diverted from Squaw Creek—Sec. 36-32-52 W.					
Measurements made at Headgate					
4- 9	Bishop-Rasmussen	.....	.....	.....	0.0
6-16	do	1.0	0.80	.....	.8
7- 2	R. F. Bishop	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
8-11	do	.....	.....	.....	.0
COOPER CANAL, EAST—A-42					
Diverted from White Clay Creek—Sec. 2-31-52 W.					
Measurements made at Headgate					
7-28	R. F. Bishop	.....	.....	.....	0.0
8-11	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1948**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
COOPER CANAL, WEST—A-42					
Diverted from White Clay Creek—Sec. 2-31-52 W. Measurement made at Headgate					
8-11	R. F. Bishop	.....	.....	.....	0.0
CREWS CANAL—D-1025R, PETITION 241					
Diverted from Republican River, North Fork—Sec. 21-1-41 W. Measurement made at Headgate					
6-4	L. F. Zabel	2.4	2.07	0.94	4.9
CREWS CANALS, NO. 2 AND NO. 3—A-1709, A-1826					
Diverted from Republican River, North Fork—Sec. 20-1-41 W. Measurement made at Headgate					
6-4	L. F. Zabel	0.4	1.09	.....	0.4
CRIGLER CANAL—D-861, A-486					
Diverted from Lawrence Fork—Sec. 1-18-52 W. Measurement made at Headgate					
8-31	R. V. Meyers	.....	.....	.....	0.8
CRIPPS CANAL—A-735					
Diverted from Ash Creek—Sec. 12-32-50 W. Measurement made at Headgate					
9-9	R. F. Bishop	0.7	0.86	.....	0.6
CROSS CANAL, EAST—A-1808					
Diverted from Willow Creek—Sec. 16-19-56 W. Measurement made at Headgate					
9-27	Jack Ratliff	.....	.....	.....	0.3
CRYSTAL LAKE CANAL—A-2286					
Diverted from Crystal Lake Reservoir—Sec. 6-32-55 W. Measurements made at Headgate					
7-1	Bishop-Rasmussen	.....	.....	.....	0.0
8-17	R. F. Bishop	.....	.....	.....	.0
DAKE PUMP—A-3742					
Diverted from Sappa Creek—Sec. 24-2-20 W. Measurement made at Pump Outlet					
6-18	L. F. Zabel	.....	.....	.....	0.0
DANIELS PUMP—A-4127					
Diverted from Indian Creek—Sec. 23-2-36 W. Measurement made at Pump Outlet					
7-22	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
DAVISON CANAL—A-1662					
Diverted from Niobrara River—Sec. 12-28-54 W. Measurements made at Headgate					
6-24	R. F. Bishop	.....	.....	.....	0.0
7- 9	do	.....	.....	.....	.0
DE GROFF PUMP—A-2957					
Diverted from Driftwood Creek—Sec. 14-2-30 W. Measurement made at Pump Outlet					
5-22	L. F. Zabel	.....	.....	.....	0.0
DELAWARE-HICKMAN CANAL—D-157					
Diverted from Republican River—Sec. 17-1-37 W. Measurement made at Headgate					
7-22	L. F. Zabel	.....	.....	.....	0.0
DICKINSON CANAL—D-967					
Diverted from Lodgepole Creek—Sec. 33-14-47 W. Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
6-30	C. D. Christensen	.....	.....	.....	.0
7- 9	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8- 2	do	.....	.....	.....	.0
DICKINSON CANAL—D-969					
Diverted from Lodgepole Creek—Sec. 26-14-47 W. Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
DOUT BROTHERS CANAL—D-981					
Diverted from Jim Creek—Sec. 7-33-56 W. Measurements made at Headgate					
5-13	Bishop-Rasmussen	.....	.....	.....	0.1
7- 1	do	.....	.....	.....	.0
DOUT CANAL—A-2000					
Diverted from Jim Creek—Sec. 7-33-56 W. Measurements made at Headgate					
5-13	Bishop-Rasmussen	.....	.....	.....	0.0
7- 1	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
EARNEST CANAL NO. 1—D-514a					
Diverted from Niobrara River—Sec. 9-29-56 W.					
Measurements made at Headgate					
4- 7	Bishop-Rasmussen	.....	.....	.....	0.0
5-14	do	7.0	0.49	.....	3.4
6-17	R. F. Bishop	9.8	1.11	.....	10.9
7-15	Bishop-Munson	2.6	.54	.....	1.4
7-29	Bishop-Rasmussen	5.6	1.19	.....	6.7
8-12	R. F. Bishop	1.0	.40	.....	.4
9- 1	do	5.2	1.23	.....	6.4
EARNEST CANAL NO. 2—D-514b					
Diverted from Niobrara River—Sec. 9-29-56 W.					
Measurements made at Headgate					
10-21	Christensen-Rasmussen	4.8	1.32	0.94	6.3
4- 7	Bishop-Rasmussen	.....	.....	.....	.0
5-14	do	11.2	.75	.....	8.4
6-17	R. F. Bishop	.....	.....	.....	.1
7-14	Bishop-Munson	12.2	.46	.....	5.6
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	13.0	.38	.....	5.0
9- 1	do	.....	.....	.....	.0
EMPIRE CANAL—D-858, A-866					
Diverted from North Platte River—Sec. 18-20-51 W.					
Measurements made at Rating Flume					
7-28	R. V. Meyers	14.8	0.53	.....	7.8
8-23	do	6.2	.76	.....	4.7
ENGELL-SIMS PUMP—A-2908					
Diverted from Frenchman River—Sec. 17-5-35 W.					
Measurement made at Pump Outlet					
6- 9	L. F. Zabel	.....	.....	.....	0.0
ENTERPRISE CANAL, NORTH—D-461					
Diverted from Niobrara River—Sec. 27-29-50 W.					
Measurements made at Headgate					
5-31	R. F. Bishop	.....	.....	.....	0.0
7-23	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ENTERPRISE CANAL, SOUTH—D-461					
Diverted from Niobrara River—Sec. 27-29-50 W.					
Measurements made at Headgate					
5-31	R. F. Bishop	.....	.....	.....	0.0
7-23	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
EXCELSIOR CANAL—D-568, A-2264					
Diverted from Niobrara River—Sec. 10-28-52 W.					
Measurements made at Headgate					
4-12	Bishop-Rasmussen	.....	.....	.....	0.0
5-31	R. F. Bishop	6.1	0.87	.....	5.3
6-24	do	.....	.....	.....	.0
7-16	Bishop-Munson	.....	.....	.....	.0
8-13	R. F. Bishop	4.0	0.85	.....	3.4
FARMERS CANAL—D-10					
Diverted from Frenchman River—Sec. 11-3-32 W.					
Measurement made at Headgate					
5-14	L. F. Zabel	.....	.....	.....	0.0
FENDRICK CANAL—A-617					
Diverted from Niobrara River—Sec. 32-29-48 W.					
Measurement made at Headgate					
5-31	R. F. Bishop	.....	.....	.....	0.0
FLODINE PUMP—A-1855					
Diverted from Sappa Creek—Sec. 19-2-20 W.					
Measurement made at Pump Outlet					
6-18	L. F. Zabel	.....	.....	.....	0.0
FURMAN CANAL, NORTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements made at Headgate					
10- 3	C. D. Christensen	9.6	1.46	.....	1.4
4-12	Bishop-Rasmussen	.....	.....	.....	.0
5- 8	R. F. Bishop	.....	.....	.....	.0
5-31	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

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					
5-31	R. F. Bishop	.....	.....	.....	0.0
6-24	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
GERD CANAL—A-3095					
Diverted from Sappa Creek—Sec. 35-2-21 W.					
Measurement made at Headgate					
6-18	L. F. Zabel	.....	.....	.....	0.0
GERNHART PUMPS—A-3861					
Diverted from Bordeaux Creek, Big—Sec. 14-33-48 W.					
Measurement made at Pump Outlet					
6- 1	R. F. Bishop	.....	.....	.....	0.0
GROTE CANAL—A-3451					
Diverted from Grote Reservoir—Sec. 3-32-56 W.					
Measurement made at Headgate					
8- 5	Bishop-Rasmussen	.....	.....	.....	0.0
GROTE CANAL—A-3450					
Diverted from Grote Reservoir—Sec. 3-32-56 W.					
Measurement made at Headgate					
8- 5	Bishop-Rasmussen	.....	.....	.....	0.0
GRUVERS PUMP—A-2910					
Diverted from Frenchman River—Sec. 5-4-33 W.					
Measurement made at Pump Outlet					
5-21	L. F. Zabel	.....	.....	.....	0.0
GUNDERSON CANAL—D-305					
Diverted from Lodgepole Creek—Sec. 1-14-52 W.					
Measurements made at Headgate					
4-19	R. F. Bishop	.....	.....	.....	0.0
5- 4	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
HADLEY CANAL—A-1964					
Diverted from Red Willow Creek—Sec. 16-3-28 W.					
Measurement made at Headgate					
5-22	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HAIGLER CANAL—D-1025					
Diverted from Republican River—Sec. 2-1-43 W.					
Measurement made at Headgate					
6- 4	L. F. Zabel	15.6	1.70	.....	26.5
HALL CANAL—D-478c					
Diverted from White River—Sec. 34-32-52 W.					
Measurements made at Headgate					
4-10	Bishop-Rasmussen	3.4	1.76	.....	6.0
5-12	R. F. Bishop	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0
6-12	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-28	Bishop-Rasmussen	.....	.....	.....	.0
8-11	R. F. Bishop	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
HALL SPRING CANAL—D-550					
Diverted from Spring Creek—Sec. 6-32-55 W.					
Measurement made at Headgate					
7- 1	Bishop-Rasmussen	.....	.....	.....	0.0
HAMLIN CANAL—D-555					
Diverted from Squaw Creek—Sec. 10-33-57 W.					
Measurements made at Headgate					
5-13	Bishop-Rasmussen	0.2	0.50	.....	0.1
8-15	R. F. Bishop	.....	.....	.....	.1
HANNAH CANAL—D-886					
Diverted from North Platte River—Sec. 24-18-47 W.					
Measurement made at Headgate					
8-25	Jack Ratliff	.....	.....	.....	0.0
HARRIS-COOPER CANAL—D-464a, D-464b					
Diverted from White River—Sec. 26-32-52 W.					
Measurements made at Headgate					
7-28	Bishop-Rasmussen	.....	.....	.....	0.0
8-11	R. F. Bishop	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HARRIS-NEECE CANAL—D-517; A-2275					
Diverted from Niobrara River—Sec. 3-28-55 W. Measurements made at Headgate					
4-12	Bishop-Rasmussen	.....	.....	.....	0.0
5-14	do	6.3	1.47	1.10	9.3
6- 2	R. F. Bishop	9.0	1.22	1.46	11.0
6-24	do	.....	.....	.30	.2
7- 9	do	8.5	1.08	1.69	9.2
7-16	Bishop-Munson	11.4	1.35	.....	15.4
7-29	Bishop-Rasmussen	9.0	1.16	1.55	10.4
8-12	R. F. Bishop	8.2	1.31	1.61	10.7
9- 1	do	5.4	1.06	1.04	5.7
HARRY CANAL—A-2179					
Diverted from Norman Reservoir—Sec. 8-32-50 W. Measurements made at Headgate					
4- 9	Bishop-Rasmussen	0.8	0.91	.....	0.7
7-13	R. F. Bishop	1.2	1.84	.....	2.2
8- 4	do	1.0	1.20	.....	1.1
8-19	do	1.0	1.05	.....	.9
HARTZELL CANAL—D-448					
Diverted from Bordeaux Creek, Little—Sec. 13-33-48 W. Measurements made at Headgate					
4- 8	Bishop-Rasmussen	.....	.....	.....	0.0
6- 1	R. F. Bishop	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7- 8	do	.....	.....	.....	.0
7-12	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
HAT CREEK CANAL, WEST—D-553b					
Diverted from Hat Creek, West—Sec. 16-32-55 W. Measurements made at Headgate					
4- 6	Bishop-Rasmussen	.....	.....	.....	0.0
7- 1	do	.....	.....	.....	.0
7-20	R. F. Bishop	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
HEARD CANAL NO. 1—D-916					
Diverted from Pumpkinseed Creek—Sec. 14-19-54 W. Measurement made at Headgate					
9-27	Jack Ratliff	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HEARD CANAL NO. 2—D-916					
Diverted from Pumpkinseed Creek—Sec. 14-19-54 W. Measurement made at Headgate					
9-27	Jack Ratliff	.....	.....	.....	0.0
HELM PUMP—A-1042					
Diverted from Red Willow Creek—Sec. 8-3-28 W. Measurement made at Pump Outlet					
5-22	L. F. Zabel	.....	.....	.....	0.0
HESTERWORTH CANAL—A-1332					
Diverted from Driftwood Creek—Sec. 14-2-30 W. Measurement made at Headgate					
5-22	L. F. Zabel	.....	.....	.....	0.0
HIGH LINE CANAL—A-1682					
Diverted from Jim Creek—Sec. 13-33-57 W. Measurements made at Headgate					
5-13	Bishop-Rasmussen	.....	.....	.....	0.0
6-14	R. F. Bishop	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
HITSHEW CANAL—A-2509, A-1260					
Diverted from Niobrara River—Sec. 6-28-52 W. Measurements made at Headgate					
10-20	C. D. Christensen	.....	.....	.....	0.0
4-12	Bishop-Rasmussen	.....	.....	.....	.0
6-24	R. F. Bishop	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-13	R. F. Bishop	.....	.....	.....	.0
HOLCOMBE CANAL, EAST—D-636					
Diverted from Pawnee Creek—Sec. 13-13-28 W. Measurements made at Rating Flume					
10-22	D. B. Ender	1.3	1.48	0.58	2.0
4-26	do	1.0	.99	.30	1.0
6- 9	do	.9	.89	.24	.8
7-13	do	.5	.68	.03	.4
8-11	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

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- 2	J. H. Hintz	.....	.....	.....	0.0
10- 7	do	.....	.....	.....	.0
10-30	do	0.8	1.05	.....	.9
11- 7	do	.....	.....	.....	.5
11-13	do	.....	.....	.....	.5
11-18	do	.....	.....	.....	.0
4- 8	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5- 3	do	6.6	0.93	.....	6.1
5-13	do	4.4	1.31	.....	5.8
5-19	do	.....	.....	.....	.0
5-26	do	7.2	.96	.....	7.0
6- 3	do	5.9	1.09	.....	6.4
6- 9	do	17.6	1.28	.....	22.5
6-16	do	1.0	1.06	.....	1.1
6-23	do	21.6	1.28	.....	27.8
7- 2	do	6.4	1.60	.....	10.2
7- 9	do	7.5	1.08	.....	8.1
7-15	do	14.1	1.05	.....	14.8
7-22	do	12.1	1.02	.....	12.4
7-29	do	13.5	.78	.....	10.5
8- 5	do	9.9	1.49	.....	14.7
8-12	do	6.7	1.23	.....	8.2
8-30	do	9.2	1.91	.....	8.4
9-16	do	12.8	.46	.....	5.9
9-22	do	2.4	1.24	.....	3.0
9-29	do	4.6	.90	.....	4.1
HOLLY CANAL—D-956					
Diverted from Boggy Creek—Sec. 30-33-54 W.					
Measurements made at Headgate					
5-28	R. F. Bishop	.....	.....	.....	0.0
7- 1	Bishop-Rasmussen	.....	.....	.....	.0
HOOVER CANAL—D-353					
Diverted from Lodgepole Creek—Sec. 12-14-59 W.					
Measurements made at Headgate					
4-16	R. F. Bishop	.....	.....	.....	0.0
5- 3	do	.....	.....	.....	.0
6- 3	do	3.1	0.58	.....	1.8
7- 2	C. D. Christensen	3.3	.48	.....	1.6
7- 7	do	4.0	.49	.....	2.0
8-18	do	.....	.....	.....	.0
9- 2	Christensen-Lutey	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HOPEFUL CANAL—A-2135					
Diverted from Lawrence Fork—Sec. 1-18-52 W.					
Measurement made at Headgate					
8-31	R. V. Meyers	.....	.....	.....	0.1
HOWARD CANAL—D-336, A-1645					
Diverted from Lodgepole Creek—Sec. 31-14-47 W.					
Measurements made at Headgate					
4-20	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
6-30	C. D. Christensen	.....	.....	.....	.0
7- 9	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
HOYT PUMP—A-2780					
Diverted from Driftwood Creek—Sec. 24-2-31 W.					
Measurement made at Pump Outlet					
5-27	L. F. Zabel	.....	.....	.....	0.0
HUGHES CANAL—D-987a, D-987b					
Diverted from Niobrara River—Sec. 1-28-52 W.					
Measurements made at Headgate					
10-20	C. D. Christensen	.....	.....	.....	0.0
4-12	Bishop-Rasmussen	.....	.....	.....	.0
5-31	R. F. Bishop	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
HURLEY-LILLY-POLLY CANAL—D-354					
Diverted from Lodgepole Creek—Sec. 26-15-56 W.					
Measurements made at Rating Flume					
4-15	Bishop-Hanna	.....	.....	.....	0.0
5- 4	R. F. Bishop	.....	.....	.....	.0
5-20	do	2.4	1.38	0.59	3.3
6- 4	do	5.0	.26	1.25	1.3
6-14	C. D. Christensen	2.0	1.44	.47	2.8
7- 1	do	.....	.....	.....	.0
7- 7	do	3.8	1.22	.93	4.6
7-27	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
8-23	do	3.8	.81	.94	3.1
8-25	do	4.5	1.04	1.08	4.6
8-25	do	3.9	.80	.94	3.0
9- 1	do	2.6	.25	.73	.6
9-17	do	2.8	.53	.69	1.5
9-24	do	3.2	.52	.80	1.6

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HUTZEL CANAL—A-704					
Diverted from White Clay Creek—Sec. 13-31-52 W. Measurements made at Headgate					
6-16	Bishop-Rasmussen	2.3	0.70	.....	1.6
7- 2	R. F. Bishop	.6	.58	.....	.3
7-14	do	.3	.67	.....	.2
8-11	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.1
9-20	Christensen-Meyers	.....	.....	.....	.0
INDEPENDENT CANAL—D-343					
Diverted from Lodgepole Creek—Sec. 7-14-58 W. Measurements made at Headgate					
4-16	R. F. Bishop	.....	.....	.....	0.0
5- 3	do	.....	.....	.....	.0
6- 3	do	.....	.....	.....	.0
7- 7	C. D. Christensen	1.1	0.96	.....	1.1
8-18	do	.....	.....	.....	.0
9- 2	Christensen-Lutey	.....	.....	.....	.0
INMAN CANAL—D-79, A-436					
Diverted from Frenchman River—Sec. 17-6-40 W. Measurement made at Rating Flume					
6-15	L. F. Zabel	16.6	0.56	.....	9.3
JAMES CANAL—A-3417					
Diverted from Soldier Creek—Sec. 5-31-53 W. Measurements made at Headgate					
4-10	Bishop-Rasmussen	.....	.....	.....	0.0
8-28	R. F. Bishop	.....	.....	.....	.0
9-10	Bishop-Rasmussen	.....	.....	.....	.0
JENKINS CANAL—A-924					
Diverted from Buffalo Creek—Sec. 18-1-40 W. Measurement made at Headgate					
6- 4	L. F. Zabel	.....	.....	.....	0.0
JOHNSON CANAL—D-511					
Diverted from Niobrara River—Sec. 35-31-57 W. Measurements made at Headgate					
4- 7	Bishop-Rasmussen	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6-17	R. F. Bishop	.....	.....	.....	.1
7-15	Bishop-Munson	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	4.2	0.43	.....	1.8
9- 1	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
JOHNSON CANAL—A-612					
Diverted from Lodgepole Creek—Sec. 23-13-45 W.					
Measurements made at Headgate					
5- 6	R. F. Bishop	2.7	1.04	.....	2.8
5-25	do	.5	.54	.....	.3
6- 9	do	.....	.....	.....	.0
6-29	C. D. Christensen	4.2	.66	.....	2.8
7- 9	do	2.4	.41	.....	1.0
7-13	do	2.8	.42	.....	1.2
7-21	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0

JONES CANAL—A-3392
 Diverted from Lodgepole Creek—Sec. 36-14-49 W.
 Measurement made at Headgate

9- 3	C. D. Christensen	0.0
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JORDON CANAL—A-2032
 Diverted from Monroe Creek—Sec. 22-33-56 W.
 Measurements made at Headgate

10- 2	Christensen-Rasmussen	.....	.....	.....	0.0
5-13	Bishop-Rasmussen	0.2	0.01	.....	.1
8-17	R. F. Bishop	.....	.....	0.07	.2
8-24	Bishop-Rasmussen	.....	.....	.04	.1
8-26	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0

JORDON CANAL—A-841
 Diverted from Monroe Creek and Jordon Reservoir—Sec. 13-33-56 W.
 Measurements made at Headgate

4- 6	Bishop-Rasmussen	.....	.....	.....	0.0
5-13	do	.....	.....	.....	.0
8-17	R. F. Bishop	.....	.....	.....	.0
8-24	Bishop-Rasmussen	.....	.....	.....	.0
9- 2	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0

KELDSO N PUMP—A-3162
 Diverted from Fox Creek—Sec. 8-8-28 W.
 Measurement made at Pump Outlet

7-26	L. F. Zabel	0.0
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DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1948**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KELLY CANAL—D-915					
Diverted from Pumpkinseed Creek—Sec. 5-19-54 W.					
Measurement made at Headgate					
9-27	Jack Ratliff	.....	.....	.....	0.0
KENT-BURKE CANAL—A-1694					
Diverted from Pawnee Creek—Sec. 18-13-27 W.					
Measurements made at Rating Flume					
10-22	D. B. Ender	0.8	1.40	0.23	1.1
4-26	do	.9	.83	.03	.8
6-9	do	5.3	.92	.76	4.9
7-13	do	5.0	1.28	.71	6.4
8-11	do	.....	.....	.....	.0
9-17	do	1.1	.28	.21	.2
KEYSTONE CANAL—D-730, A-662b, A-843, A-1003					
Diverted from White Tail Creek—Sec. 26-15-38 W.					
Measurement made at Headgate					
4-9	J. H. Hintz	.....	.....	.....	0.0
KIMBALL CANAL—A-897					
Diverted from Lodgepole Creek—Sec. 36-15-57 W.					
Measurements made at SE Corner NE $\frac{1}{4}$ of SW $\frac{1}{4}$					
2-24	Harrington-Bishop	5.6	0.18	0.86	1.0
4-16	R. F. Bishop	1.1	.68	.62	.8
5-3	do	1.1	.55	.68	.6
5-21	do	.6	1.01	.67	.6
6-4	do	1.2	.58	.77	.7
6-14	C. D. Christensen	21.2	1.70	.....	36.0
7-15	C. D. Christensen-Lutey	.....	.....	.....	.0
7-28	C. D. Christensen-Caughran	40.4	.70	.....	28.2
8-17	C. D. Christensen	49.0	.74	2.70	36.4
8-27	do	45.0	.87	2.82	42.7
9-2	C. D. Christensen-Lutey	27.2	1.26	2.83	34.4
9-17	do	16.4	1.48	2.56	24.4
KING CANAL, WEST—A-1440					
Diverted from Lawrence Fork—Sec. 15-18-52 W.					
Measurement made at Headgate					
8-31	R. V. Meyers	.....	.....	.....	0.0
KING CANAL, EAST—A-1587					
Diverted from Lawrence Fork—Sec. 15-18-52 W.					
Measurement made at Headgate					
8-31	R. V. Meyers	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KINNEY CANAL, SOUTH, NO. 1—D-345, D-350, A-781R, A-1828					
Diverted from Lodgepole Creek—Sec. 31-15-56 W.					
Measurements made at Headgate					
4-15	Bishop-Hanna	.....	.....	.....	0.0
5- 3	R. F. Bishop	.....	.....	.....	.0
5-21	do	0.4	1.00	0.25	.4
6- 4	do	1.0	1.10	.32	1.1
6-14	C. D. Christensen	1.3	.97	.49	1.3
7- 7	do	2.0	.14	.50	.3
7-22	do	3.7	.28	.95	1.0
7-27	do	4.0	.38	1.00	1.4
8- 4	do	.3	.30	.34	.1
8-17	do	1.7	.82	.72	1.4
8-23	do	.....	.....	.....	.0
9-17	do	.3	.44	.30	.2
9-24	do	.4	.60	.30	.2

KINNEY CANAL, NORTH, NO. 2—D-348, A-718

Diverted from Lodgepole Creek—Sec. 33-15-56 W.

Measurements made at Headgate

4-17	Bishop-Hanna	2.4	0.48	0.82	1.2
5- 3	R. F. Bishop	3.0	.57	.88	1.7
5-21	do	2.2	.32	.74	.7
6- 4	do	2.1	.43	.72	.9
6-14	C. D. Christensen	.....	.....	.....	.0
7- 2	do	3.4	.46	.89	1.6
7- 7	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

KITE CANAL—A-1375, A-1469, A-1470

Diverted from Monroe Creek and Jordon Reservoir—Sec. 13-33-56 W.

Measurements made at Headgate

10- 2	Christensen-Rasmussen	.....	.....	.....	0.0
4- 6	Bishop-Rasmussen	.....	.....	.....	5.4
5-13	do	.....	.....	.....	.0
7-14	R. F. Bishop	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
8-24	Bishop-Rasmussen	.....	.....	.....	.0
9- 2	do	.....	.....	0.10	.2
9-10	do	.....	.....	.....	.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KREUGER CANAL NO. 1—D-325, D-968					
Diverted from Lodgepole Creek—Sec. 29-14-48 W. Measurements made at Headgate					
11-14	C. D. Christensen	0.8	0.69	.....	0.5
4-20	R. F. Bishop	3.0	.67	.....	2.0
5- 1	do	.....	.....	.....	.0
5-25	do	3.0	1.30	.....	.9
6- 8	do	.....	.....	.....	.1
6-30	C. D. Christensen	3.0	.52	.....	1.6
7- 9	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.2
7-26	do	2.4	.39	.....	.9
8- 2	do	3.0	.63	.....	1.9
8-16	do	4.0	.89	.....	3.6
8-26	do	.8	.59	.....	.5
9- 3	do	1.2	.40	.....	.5
9-14	do	4.8	2.30	.....	1.1
KREUGER CANAL NO. 2—D-324					
Diverted from Lodgepole Creek—Sec. 32-14-48 W. Measurements made at Headgate					
4-20	R. F. Bishop	.....	.....	.....	0.0
5- 1	do	.....	.....	.....	.0
5-24	do	3.4	0.79	.....	2.7
6- 8	do	2.0	.80	.....	1.6
9- 1	C. D. Christensen	5.2	.21	.....	1.1
9- 3	do	5.2	.12	.....	.8
KREUGER CANAL NO. 3—D-323					
Diverted from Lodgepole Creek—Sec. 32-14-48 W. Measurements made at Headgate					
4-20	R. F. Bishop	.....	.....	.....	0.0
5- 1	do	4.2	1.07	.....	4.5
5-24	do	.....	.....	.....	.1
6- 8	do	.....	.....	.....	0
LABELLE CANAL—D-518, A-60					
Diverted from Niobrara River—Sec. 6-28-54 W. Measurements made at Headgate					
4-12	Bishop-Rasmussen	5.6	1.69	.....	9.5
5-14	do	4.9	1.20	1.40	5.9
6- 2	R. F. Bishop	5.2	1.02	.....	5.3
6-24	do	8.0	.81	.....	6.5
7-16	Bishop-Munson	.....	.....	.....	.0
7-29	Bishop-Rasmussen	5.2	1.34	1.31	7.0
8-12	R. F. Bishop	5.2	1.36	1.25	7.1
9- 1	do	4.0	1.10	.99	4.5

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
LAING CANAL—D-825					
Diverted from Lawrence Fork—Sec. 28-18-52 W.					
Measurement made at Headgate					
8-31	R. V. Meyers	0.4	0.78	.....	0.3
LANE PUMP—A-3550					
Diverted from Beaver Creek—Sec. 25-2-21 W.					
Measurement made at Pump Outlet					
6-18	L. F. Zabel	.....	.....	.....	0.0
LAKOTAH CANAL—D-554					
Diverted from Niobrara River—Sec. 1-30-57 W.					
Measurements made at Headgate					
4- 7	Bishop-Rasmussen	6.8	1.19	.....	8.0
5-14	do	8.0	1.86	.....	14.9
6-17	R. F. Bishop	11.4	1.02	.....	11.6
7-15	Bishop-Munson	11.2	.28	.....	3.2
9- 1	R. F. Bishop	3.8	.87	.....	3.3
LARSEN PUMP—A-1898					
Diverted from Muddy Creek—Sec. 17-4-23 W.					
Measurement made at Pump Outlet					
7-23	L. F. Zabel	.....	.....	.....	0.0
LIBBY CANAL—D-312					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements made at Headgate					
10-23	C. D. Christensen	2.2	0.48	.....	1.0
4-21	R. F. Bishop	.....	.....	.....	.0
5- 5	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
6-30	C. D. Christensen	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
LIBBY CANAL—D-315					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.1
5-25	do	0.8	0.62	.....	.5
6- 9	do	.....	.....	.....	.2
6-30	C. D. Christensen	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
LIBBY CANAL—D-314					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.1
6- 9	do	0.5	0.60	.....	.3
6-30	C. D. Christensen	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
LICHTE CANAL—D-479, A-1086, A-1088, A-1152, A-2523					
Diverted from Niobrara River—Sec. 27-49-48 W.					
Measurements made at Headgate					
10- 3	C. D. Christensen	11.1	0.53	1.82	5.9
10- 8	do	10.7	.53	1.83	5.7
10-30	do	10.8	.59	1.83	6.4
4-12	Bishop-Rasmussen	.....	.....	.....	.0
5-31	R. F. Bishop	10.2	.87	1.52	8.8
6-29	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
*7-23	do	.....	.....	.....	.0
*7-30	do	5.9	1.10	1.18	6.5
*8- 6	do	.....	.....	.....	.0
*8-13	do	4.2	.76	.86	3.2
*8-20	do	4.9	.78	.96	3.8
*8-27	do	5.0	.76	1.00	3.8
*9- 3	do	.....	.....	.....	.0
*9-16	do	6.0	.99	1.21	5.9
9-21	Meyers-Christensen	.....	.....	1.78	6.7
* Measurements made at Rating Station.					
LISCO CANAL—D-796					
Diverted from Cold Water Creek—Sec. 26-18-46 W.					
Measurements made at SW Corner of Section					
5-13	Jack Ratliff	2.8	0.78	.....	2.2
6- 8	do	2.6	1.12	.....	2.9
7- 8	do	3.6	.90	.....	3.3
7-27	do	2.8	.99	.....	2.8
8-10	do	3.3	1.17	.....	3.8
8-18	do	3.2	.91	.....	2.9
9-20	do	3.0	1.10	.....	3.4
LOGAN CANAL—D-902					
Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.					
Measurements made at Headgate					
6-11	C. D. Christensen	2.3	0.62	.....	1.4
9-27	Jack Ratliff	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
LUBECK PUMP—A-2951					
Diverted from Sappa Creek—Sec. 23-2-20 W. Measurement made at Pump Outlet					
6-18	L. F. Zabel	.....	.....	.....	0.0
LYNGHOLM CANAL—D-337					
Diverted from Lodgepole Creek—Sec. 14-14-51 W. Measurement made at Headgate					
4-19	R. F. Bishop	.....	.....	.....	0.0
McAULIFFE CANAL—D-814					
Diverted from Lodgepole Creek—Sec. 21-13-45 W. Measurements made at Headgate					
5- 5	R. F. Bishop	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
6-29	C. D. Christensen	.....	.....	.....	.0
McAULIFFE CANAL—A-1559					
Diverted from Lodgepole Creek—Sec. 21-13-45 W. Measurements made at Headgate					
5- 5	R. F. Bishop	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
6-29	C. D. Christensen	.....	.....	.....	.0
McCARTHY CANAL—D-749					
Diverted from White Tail Creek—Sec. 36-15-38 W. Measurements made at Headgate					
10-17	J. H. Hintz	.....	.....	.....	0.0
4- 9	do	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
4-23	do	1.8	1.28	.....	2.4
5-12	do	2.1	1.30	.....	2.7
6- 4	do	2.4	1.41	.....	3.4
6-18	do	2.2	1.42	.....	3.2
7-14	do	2.5	1.23	.....	3.1
7-23	do	.....	.....	.....	.0
8-13	do	2.4	1.30	.....	3.2
9- 1	do	2.6	1.28	.....	3.4
9-17	do	1.9	1.07	.....	2.1
McCARTHY PUMP—A-3564					
Diverted from Sappa Creek—Sec. 10-1-22 W. Measurement made at Pump Outlet					
6-18	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1948**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
McDONALD CANAL—A-644					
Diverted from Republican River—Sec. 36-1-38 W.					
Measurement made at Headgate					
7-22	L. F. Zabel	.....	.....	.....	0.0
McGINLEY-STOVER CANAL, UPPER—D-521					
Diverted from Niobrara River—Sec. 23-29-56 W.					
Measurements made at Headgate					
5-14	Bishop-Rasmussen	.....	.....	.....	0.0
7-15	Bishop-Munson	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0
McGINLEY-STOVER CANAL, NORTH—D-513a					
Diverted from Niobrara River—Sec. 25-29-56 W.					
Measurements made at Headgate					
5-14	Bishop-Rasmussen	8.4	0.83	.....	7.0
7-15	Bishop-Munson	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
9- 1	do	8.2	.83	.....	6.8
McGINLEY-STOVER CANAL, SOUTH—D-513b					
Diverted from Niobrara River—Sec. 25-29-56 W.					
Measurements made at Headgate					
5-14	Bishop-Rasmussen	.....	.....	.....	0.0
7-15	Bishop-Munson	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.1
McGRAW CANAL—A-1946, A-2023					
Diverted from Victoria Creek—Sec. 6-19-20 W.					
Measurements made at Headgate					
6-15	W. J. Page	.....	.....	.....	0.0
7-14	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
McINTOSH CANAL—D-351, A-734					
Diverted from Lodgepole Creek—Sec. 23-15-55 W.					
Measurements made at Headgate					
4-17	Bishop-Hanna	3.0	.....	0.87	5.9
5- 4	R. F. Bishop	2.9	1.86	.96	5.4
5-21	do	2.4	1.46	.75	3.5
6- 4	do	3.0	1.00	.96	3.0
6-10	do	.....	.....	.....	.0
7- 1	C. D. Christensen	.....	.....	.....	.0
7-22	do	2.6	1.59	.82	4.2
7-27	do	2.4	1.43	.....	3.4
8-17	do	.....	.....	.....	.0
8-18	do	2.0	1.12	.59	2.2
8-27	do	2.1	1.21	.68	2.4
9- 1	do	2.2	1.23	.70	2.7
9-18	do	2.4	1.25	.78	3.0
9-25	do	2.5	1.24	.81	3.2
McLAUGHLIN CANAL—D-566					
Diverted from Niobrara River—Sec. 9-28-52 W.					
Measurements made at Headgate					
4-12	Bishop-Rasmussen	.....	.....	.....	0.0
5-31	R. F. Bishop	.....	.....	.....	.0
7-16	Bishop-Munson	4.4	0.21	.....	.9
8-13	R. F. Bishop	1.8	.33	.....	.6
McLAUGHLIN CANAL—D-966					
Diverted from Lodgepole Creek—Sec. 25-14-48 W.					
Measurements made at Headgate					
4-20	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
McMILLAN CANAL—A-2477R, A-2797					
Diverted from Loup River, Middle—Sec. 23-21-22 W.					
Measurements made at Headgate					
10-21	W. J. Page	.....	.....	.....	0.0
6-15	do	8.6	0.48	.....	4.1
7-14	do	.....	.....	.....	.0
MACE CANAL—D-428					
Diverted from Ash Creek, West—Sec. 2-31-51 W.					
Measurement made at Headgate					
4- 9	Bishop-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MALTESE CROSS CANAL—A-454					
Diverted from Lodgepole Creek—Sec. 36-15-57 W.					
Measurements made at Headgate					
4-16	R. F. Bishop	.....	.....	.....	0.0
5- 3	do	.....	.....	.....	.0
6- 4	do	0.3	0.53	.....	.2
7- 2	C. D. Christensen	.....	.....	.....	.1
MARANVILLE CANAL—D-70, D-71					
Diverted from Frenchman River—Sec. 12-6-41 W.					
Measurement made at Headgate					
6-15	L. F. Zabel	9.4	0.60	.....	5.6
MEEKER CANAL—D-4, D-7, D-8, D-9					
Diverted from Republican River—Sec. 15-3-31 W.					
Measurements made at Headgate					
5-14	L. F. Zabel	.....	.....	.....	0.0
5-17	do	5.9	0.83	0.47	4.9
5-18	do	5.9	.86	.49	5.1
5-21	do	10.5	.98	.87	10.3
6- 4	do	12.4	1.15	1.04	14.2
7-20	do	7.2	1.34	.60	9.6
7-22	do	22.0	1.42	1.85	31.3
8-11	do	23.4	1.59	1.99	37.1
9- 8	do	17.7	1.59	1.50	28.2
METTLEN CANAL—A-292, A-1248, A-2244					
Diverted from Niobrara River—Sec. 4-28-54 W.					
Measurements made at Headgate					
4-12	Bishop-Rasmussen	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6- 2	R. F. Bishop	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7- 9	do	.....	.....	.....	.0
7-16	Bishop-Munson	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0
MILLER CANAL—A-341					
Diverted from Hat Creek—Sec. 23-33-55 W.					
Measurement made at Headgate					
4- 6	Bishop-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MITCHELL CANAL—D-304					
Diverted from Lodgepole Creek—Sec. 8-14-51 W. Measurements made at Headgate					
4-19	R. F. Bishop	.....	.....	.....	0.0
5- 4	do	.....	.....	.....	.0
MITCHELL PUMP—A-2042					
Diverted from Muddy Creek—Sec. 15-4-23 W. Measurement made at Pump Outlet					
7-23	L. F. Zabel	.....	.....	.....	0.0
MONROE CANAL, BIG—D-506, A-2372					
Diverted from Monroe Creek—Sec. 33-33-56 W. Measurements made at Headgate					
10- 2	Christensen-Rasmussen	.....	.....	.....	0.0
10- 7	do	.....	.....	.....	.0
4- 6	Bishop-Rasmussen	2.0	1.10	0.40	2.2
5-13	do	1.0	1.30	.....	1.3
5-13	do	.....	.....	.40	1.7
5-15	do	.....	.....	.37	1.5
5-28	R. F. Bishop	.....	.....	.31	1.2
6-14	do	.....	.....	.....	1.0
7- 1	Bishop-Rasmussen	.....	.....	.25	.8
7-14	R. F. Bishop	.....	.....	.25	.8
7-20	do	.....	.....	.22	.7
8-18	do	.....	.....	.17	.5
8-24	Bishop-Rasmussen	.....	.....	.10	.2
8-26	do	.....	.....	.....	.0
8-26	do	.....	.....	.16	.4
9- 2	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
MONTAGUE CANAL—A-575					
Diverted from Niobrara River—Sec. 27-29-48 W. Measurements made at Headgate					
10- 3	C. D. Christensen	2.0	0.25	1.03	0.8
10- 8	do	2.0	.28	1.06	.6
10-30	do	1.8	.38	1.04	.5
5-31	R. F. Bishop	1.0	.19	.78	.2
6-29	do	.....	.....	.....	0
7-10	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
7-30	do	.4	.50	.....	.2
8- 6	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.5

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MONTGOMERY CANAL—D-559					
Diverted from Sow Belly Creek—Sec. 21-33-55 W.					
Measurements made at Headgate					
5-28	R. F. Bishop	.....	.....	.....	0.0
8-17	do	.....	.....	.....	.0
8-26	Bishop-Rasmussen	.....	.....	.....	.0
MOORE CANAL—A-88					
Diverted from Niobrara River—Sec. 9-28-53 W.					
Measurements made at Headgate					
4-12	Bishop-Rasmussen	.....	.....	.....	0.0
6-24	R. F. Bishop	.....	.....	.....	.0
7-16	Bishop-Munson	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-13	R. F. Bishop	.....	.....	.....	.0
MUTUAL CANAL—D-843					
Diverted from Pumpkinseed Creek—Sec. 33-19-52 W.					
Measurements made at Rating Flume					
5-20	Jack Ratliff	.....	.....	.....	0.0
5-29	do	4.7	1.53	.....	7.2
7-26	do	.....	.....	.....	.0
9-27	do	.....	.....	.....	.0
NASLAND CANAL—A-661					
Diverted from Lodgepole Creek—Sec. 1-12-45 W.					
Measurements made at Headgate					
5- 6	R. F. Bishop	2.0	0.90	.....	1.8
5-25	do	2.4	1.00	.....	2.4
6- 9	do	1.5	.74	.....	1.1
6-29	C. D. Christensen	2.4	.71	.....	1.7
7-10	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8- 2	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-31	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
NELSON PUMP—A-1927					
Diverted from Curtis Creek—Sec. 36-8-28 W.					
Measurement made at Pump Outlet					
7-26	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1948**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NELSON-RADCLIFFE CANAL—D-1034a					
Diverted from Cedar Creek—Sec. 28-18-48 W. Measurements made at Headgate					
5-20	Jack Ratliff	2.4	1.79	.....	4.2
8-28	do	.....	.....	.....	.0
NEUMAN CANAL—A-611, A-1445					
Diverted from Lodgepole Creek—Sec. 26-13-45 W. Measurement made at Headgate					
5- 6	R. F. Bishop	.....	.....	.....	0.0
NEUMAN CANALS, NO. 1 AND 2—A-565					
Diverted from Lodgepole Creek—Sec. 36-13-45 W. Measurement made at Headgate					
5- 6	R. F. Bishop	.....	.....	.....	0.0
NEWTON CANAL—A-2263, A-2863, A-2927					
Diverted from North Loup River—Sec. 35-23-21 W. Measurements made at Headgate					
6-15	W. J. Page	.....	.....	.....	0.0
7-14	do	11.3	1.30	.....	14.7
NIEHUS CANAL—A-550					
Diverted from Lawrence Fork—Sec. 11-18-52 W. Measurement made at Headgate					
8-31	R. V. Meyers	0.6	0.94	0.42	0.6
NORMAN SUPPLY CANAL—A-1953					
Diverted from Indian Creek—Sec. 32-32-50 W. Measurements made at Headgate					
4- 9	Bishop-Rasmussen	0.6	1.60	.....	0.9
7-28	R. F. Bishop	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.1
9- 9	do	.2	.50	.....	.1
NORTH PUMP—A-2369					
Diverted from White Clay Creek—Sec. 36-35-45 W. Measurement made at Pump Outlet					
4- 8	Bishop-Rasmussen	.....	.....	.....	0.0
NUTZMAN PUMP—A-2981, A-3136					
Diverted from Stinking Water Creek—Sec. 15-5-34 W. Measurement made at Pump Outlet					
7-28	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
OBERFELDER CANAL—D-306					
Diverted from Lodgepole Creek—Sec. 31-14-46 W.					
Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
OBERFELDER CANAL—D-307					
Diverted from Lodgepole Creek—Sec. 31-14-46 W.					
Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
OBERFELDER CANAL—D-333					
Diverted from Lodgepole Creek—Sec. 31-14-46 W.					
Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
7-13	C. D. Christensen	.....	.....	.....	.0
O'DONNELL CANAL—A-432, A-2036					
Diverted from Bordeaux Creek, Big—Sec. 9-34-48 W.					
Measurement made at Headgate					
4- 8	Bishop-Rasmussen	.....	.....	.....	0.0
OLIVER BROS. CANAL—A-1285					
Diverted from Frenchman River—Sec. 7-5-35 W.					
Measurement made at Headgate					
6- 9	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
OWASCO CANAL—D-347R, A-725					
Diverted from Lodgepole Creek—Sec. 29-15-55 W.					
Measurements made at Rating Flume					
4-15	R. F. Bishop	0.6	0.65	0.12	0.4
5- 4	do	3.8	.60	.27	2.3
5-20	do	2.1	1.00	.24	2.1
6- 4	do	3.5	.74	.25	2.6
6-14	C. D. Christensen	2.9	0.91	0.26	2.6
6-23	do	.....	.....	.....	.0
7- 1	do	3.1	.72	.26	2.2
7- 8	do	3.8	.96	.31	3.7
7-15	do	2.8	.71	.19	2.0
7-22	do	2.8	.69	.20	1.9
7-27	do	3.5	1.41	.48	4.9
8-17	do	3.7	1.00	.28	3.7
8-23	do	1.3	.84	.20	1.1
8-26	do	3.0	1.43	.31	4.3
8-27	do	3.3	2.00	.37	6.6
9- 1	do	3.0	1.25	.30	3.8
9-17	do	3.4	1.65	.40	5.7
9-24	do	3.8	1.85	.45	7.0
PEETZ PUMP—A-2909					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurement made at Pump Outlet					
4-20	R. F. Bishop	.....	.....	.....	0.0
PERSINGER CANAL—D-297					
Diverted from Lodgepole Creek—Sec. 33-14-46 W.					
Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.1
5-25	do	.....	.....	.....	.0
6- 9	do	1.2	0.88	.....	1.0
7- 9	C. D. Christensen	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 2	do	.....	.....	.....	.0
8-16	do	0.5	.60	.....	.3
PETERS CANAL—D-913					
Diverted from Pumpkinseed Creek—Sec. 2-19-56 W.					
Measurements made at Headgate					
6-12	C. D. Christensen	0.6	0.41	.....	0.2
9-27	Jack Ratliff	2.7	.53	.....	1.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
PETERSON CANAL—A-2006					
Diverted from Lodgepole Creek—Sec. 26-13-45 W.					
Measurements made at Headgate					
5- 6	R. F. Bishop	.....	.....	.....	0.0
8-31	C. D. Christensen	.....	.....	.....	.0
PIONEER CANAL, NORTH AND SOUTH—D-442a, D-442b					
Diverted from Niobrara River—Sec. 36-29-51 W.					
Measurements made at Headgate					
10- 3	C. D. Christensen	.....	.....	.....	0.0
4-12	Bishop-Rasmussen	.....	.....	.....	.0
5- 8	R. F. Bishop	.....	.....	.....	.0
5-31	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
8-27	do	6.3	0.54	.....	3.4
9- 3	do	6.4	.52	.....	3.3
9-16	do	6.1	.74	.....	4.5
PLUNKETT CANAL—A-2031					
Diverted from Prairie Dog Creek and Plunkett Reservoir					
Sec. 25-33-56 W.					
Measurement made at Headgate					
9- 2	Bishop-Rasmussen	.....	.....	.....	0.0
POTMESIL CANAL—A-2566					
Diverted from Niobrara River—Sec. 26-29-48 W.					
Measurements made at Headgate					
10- 3	C. D. Christensen	.....	.....	.....	0.0
10- 8	do	9.5	0.45	1.45	4.2
4-12	Bishop-Rasmussen	6.8	1.10	.90	7.5
5- 7	R. F. Bishop	9.6	.99	.....	9.5
5-26	do	2.0	.19	.....	.4
6-29	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1948**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
PREMIER CANAL—D-340					
Diverted from Lodgepole Creek—Sec. 3-14-58 W.					
Measurements made at Headgate					
4-16	R. F. Bishop	.....	.....	.....	0.0
5- 3	do	.....	.....	.....	.0
5-21	do	4.2	0.85	.....	3.6
6- 3	do	3.4	.64	.....	2.1
9- 2	Christensen-Lutey	.....	.....	.....	.0
QUINN CANAL—A-1561					
Diverted from Pumpkinseed Creek—Sec. 20-19-51 W.					
Measurements made at Headgate					
5-20	Jack Ratliff	1.7	1.12	.....	2.0
7-26	do	.....	.....	.....	.0
9-27	do	.....	.....	.....	.0
RADCLIFFE CANAL NO. 2—D-1034b					
Diverted from Cedar Creek—Sec. 34-18-48 W.					
Measurements made at Headgate					
5-20	Jack Ratliff	2.00	1.19	.....	2.3
8-28	do	.....	.....	.....	.0
RADCLIFFE CANAL NO. 3—D-1034c					
Diverted from Cedar Creek—Sec. 27-18-48 W.					
Measurements made at Headgate					
5-20	Jack Ratliff	.....	.....	.....	0.0
8-28	do	.....	.....	.....	.0
RALTON SYSTEM—A-847					
Diverted from Lodgepole Creek—Sec. 12-12-45 W.					
Measurements made at Headgate					
5-25	R. F. Bishop	1.0	1.58	.....	1.6
6- 9	do	.....	.....	.....	.0
6-29	C. D. Christensen	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-16	do	2.1	.70	.....	1.5
8-31	do	.....	.....	.....	.0
RANDALL CANAL—A-1100					
Diverted from Lawrence Fork—Sec. 21-18-52 W.					
Measurements made at Headgate					
8-31	R. V. Meyers	1.7	1.58	0.49	2.6
8-31	do	1.4	1.21	.38	1.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

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					
10-21	W. J. Page	.....	.....	.....	0.0
6-15	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
RASHER CANAL—D-467, A-456, A-534					
Diverted from White River—Sec. 19-32-51 W. Measurement made at Headgate					
7-28	Bishop-Rasmussen	.....	.....	.....	0.0
RASHER-FORBES CANAL—A-1128					
Diverted from White River—Sec. 19-32-51 W. Measurements made at Headgate					
8-11	R. F. Bishop	.....	.....	.....	0.0
8-25	do	.....	.....	.....	0.0
RASSER CANAL—A-2357, A-2917					
Diverted from Elm Creek—Sec. 3-1-10 W. Measurement made at Headgate					
5-28	L. F. Zabel	.....	.....	.....	0.0
RIVERSIDE CANAL—D-18, A-1674					
Diverted from Frenchman River—Sec. 33-4-32 W. Measurements made at Headgate					
5-14	L. F. Zabel	.....	.....	.....	0.0
6-24	do	4.4	1.43	0.88	6.4
7-20	do	8.2	1.65	1.32	13.5
9-22	do	5.3	1.33	.96	7.0
ROUND HOUSE ROCK CANAL—D-884					
Diverted from Pumpkinseed Creek—Sec. 28-19-51 W. Measurement made at Rating Flume					
5-20	Jack Ratliff	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
RUNGE PUMP—A-3191, A-3363					
Diverted from Lodgepole Creek—Sec. 20-14-50 W.					
Measurements made at Pump Outlet					
4-20	R. F. Bishop	.....	.....	.....	0.0
4-30	do	.....	.....	.....	.0
5-22	do	1.4	1.25	.....	1.8
6- 8	do	.....	.....	.....	.0
6-30	C. D. Christensen	.....	.....	.....	.0
7- 8	do	.....	.....	.....	.0
7-14	do	1.0	1.23	.....	1.3
7-27	do	2.0	1.29	.....	2.6
8- 2	do	1.6	1.16	.....	1.9
8-17	do	2.6	.79	.....	2.1
9- 1	do	2.9	.80	.....	2.3
9-24	do	.....	.....	.....	.0

RUNGE CANAL NO. 1—D-339					
Diverted from Lodgepole Creek—Sec. 20-14-50 W.					
Measurements made at Headgate					
4-20	R. F. Bishop	2.0	0.85	.....	1.6
4-30	do	2.0	.86	.....	1.7
5-22	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
6-30	C. D. Christensen	.....	.....	.....	.0
7- 8	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8- 2	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	2.0
9-18	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

RUSH CREEK CANAL—D-802					
Diverted from North Platte River—Sec. 2-17-46 W.					
Measurement made at Rating Flume					
8-25	Jack Ratliff	.....	.....	.....	0.0

RUSSEL CANAL—A-3477					
Diverted from Blackwood Creek—Sec. 6-4-31 W.					
Measurement made at Headgate					
5-21	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
RUTTNER CANAL—A-906					
Diverted from Lodgepole Creek—Sec. 30-14-47 W.					
Measurements made at Headgate					
4-20	R. F. Bishop	2.8	0.42	.....	1.2
5- 5	do	2.0	.50	.....	1.0
5-25	do	3.5	3.51	.....	1.2
6- 9	do	.....	.....	.....	.1
6-30	C. D. Christensen	1.2	.18	.....	.2
7- 9	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.3
RUTTNER CANAL, NEW—D-350R, A-727, A-857, A-869					
Diverted from Lodgepole Creek—Sec. 36-15-57 W.					
Measurements made at Headgate					
10-10	C. D. Christensen	1.0	1.44	.....	1.4
4-16	R. F. Bishop	.....	.....	.....	.0
5- 3	do	1.7	1.41	0.40	2.4
5-21	do	1.6	1.43	.39	2.3
6- 4	do	1.6	1.25	.39	2.0
6-10	do	1.6	.97	.44	1.5
6-14	C. D. Christensen	1.8	1.04	.....	1.8
6-22	do	2.4	1.03	.64	2.5
7- 2	do	2.4	.88	.62	2.1
7- 7	do	2.0	.69	.53	1.4
7-15	Christensen-Lutey	1.6	.65	.42	1.0
7-22	C. D. Christensen	2.8	.83	.69	2.3
8- 4	do	.....	.....	.....	.0
8-17	do	2.8	.67	.73	1.9
8-23	do	3.2	.65	.80	2.1
8-24	do	3.1	.56	.77	1.7
8-25	do	3.8	.87	.94	3.3
8-25	do	2.9	.69	.73	2.0
8-26	do	.....	.....	.....	.0
9- 2	Christensen-Lutey	2.4	1.04	.64	2.5
9-17	C. D. Christensen	1.2	1.30	.30	1.5
9-24	do	.....	.....	.....	.0
SAPPA VALLEY PUMP—A-2385					
Diverted from Sappa Creek—Sec. 24-2-20 W.					
Measurement made at Pump Outlet					
6-18	L. F. Zabel	.....	.....	.....	0.0
SCHICK PUMP—A-3161					
Diverted from Fox Creek—Sec. 5-8-28 W.					
Measurement made at Pump Outlet					
7-26	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SCHILT-CEDAR CREEK CANAL—D-507					
Diverted from Cedar Creek—Sec. 35-33-56 W.					
Measurements made at Headgate					
10- 2	Christensen-Rasmussen	.....	.....	.....	0.0
4- 7	Bishop-Rasmussen	0.2	0.50	.....	.1
9- 2	do	.....	.....	.....	.0
SCHILT-MONROE CANAL—D-509					
Diverted from Monroe Creek—Sec. 27-33-56 W.					
Measurements made at Headgate					
10- 2	Christensen-Rasmussen	1.1	0.71	.....	0.8
10- 7	do	1.2	.89	.....	1.1
4- 6	Bishop-Rasmussen	.....	.....	.....	.0
5-13	do	.....	.....	.....	.5
5-15	do	.....	.....	.....	.4
5-28	R. F. Bishop	.....	.....	.....	.0
6-14	do	.....	.....	0.14	.4
7-14	do	.....	.....	.12	.3
7-20	do	.....	.....	.....	.0
8-18	do	.....	.....	.07	.1
8-24	Bishop-Rasmussen	.....	.....	.02	.0
9-10	do	.....	.....	.09	.2
SCHILT-PRAIRIE DOG CANAL—D-508					
Diverted from Prairie Dog Creek—Sec. 35-33-56 W.					
Measurements made at Headgate					
10- 2	Christensen-Rasmussen	.....	.....	.....	0.0
10-22	do	.....	.....	.....	.0
4- 7	Bishop-Rasmussen	0.3	0.54	.....	.2
9- 2	do	.....	.....	.....	.0
SCHMITZ CANAL—A-1287					
Diverted from Driftwood Creek—Sec. 12-2-30 W.					
Measurement made at Headgate					
5-22	L. F. Zabel	.....	.....	.....	0.0
SCHNELL CANAL—A-3588					
Diverted from Pumpkinseed Creek—Sec. 1-19-56 W.					
Measurement made at Headgate					
6-12	C. D. Christensen	.....	.....	.....	1.2
SCOTT-ANDERSON PUMP—A-3656					
Diverted from Stinking Water Creek—Sec. 25-5-34 W.					
Measurement made at Pump Outlet					
7-13	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

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					
6-12	C. D. Christensen	0.9	0.76	.....	0.7
9-27	Jack Ratliff	2.8	.77	.....	2.2
SCRIPTER CANAL—A-2288					
Diverted from Clear Creek—Sec. 32-16-41 W. Measurement made at Headgate					
8-12	Jack Ratliff	.....	.....	.....	0.1
SERRES CANAL NO. 2—A-3970					
Diverted from Serres Reservoir—Sec. 29-33-54 W. Measurement made at Headgate					
9- 2	Bishop-Rasmussen	.....	.....	.....	0.0
SEVERNS PUMP—A-1856, A-2847					
Diverted from Frenchman River—Sec. 9-4-33 W. Measurement made at Pump Outlet					
5-21	L. F. Zabel	.....	.....	.....	0.0
SHELDON CANAL—A-493					
Diverted from Ash Creek, East—Sec. 30-32-50 W. Measurement made at Headgate					
6-16	Bishop-Rasmussen	.....	.....	.....	0.0
SHEPHERD CANAL—A-1965					
Diverted from Squaw Creek—Sec. 36-34-57 W. Measurement made at Headgate					
7- 1	Bishop-Rasmussen	.....	.....	.....	0.0
SHEPHERD RESERVOIR CANAL—A-3795					
Diverted from Shepherd Reservoir—Sec. 36-34-57 W. Measurement made at Headgate					
7- 1	Bishop-Rasmussen	1.0	1.39	.....	1.4
SIGNAL BLUFF CANAL—D-807					
Diverted from North Platte River—Sec. 16-16-43 W. Measurement made at Rating Flume					
8-25	Jack Ratliff	.....	.....	.....	0.0
SIMONS CANAL—A-2363					
Diverted from Cottonwood Creek, Little—Sec. 9-32-51 W. Measurement made at Headgate					
4- 9	Bishop-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SLATTERY CANAL—A-749, A-2021					
Diverted from Dead Horse Creek—Sec. 32-33-49 W.					
Measurements made at Headgate					
4- 9	Bishop-Rasmussen	.....	.....	.....	0.0
6- 1	R. F. Bishop	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
SLATTERY CANAL, PUMP—A-749R					
Diverted from Dead Horse Creek—Sec. 30-33-49 W.					
Measurement made at Pump Outlet					
8-19	R. F. Bishop	.....	.....	.....	0.0
SMITH PUMP—A-3148					
Diverted from Sappa Creek—Sec. 19-2-20 W.					
Measurement made at Headgate					
6-18	L. F. Zabel	.....	.....	.....	0.0
SMITH CANAL—A-850					
Diverted from Lodgepole Creek—Sec. 12-12-45 W.					
Measurements made at Headgate					
5-25	R. F. Bishop	.....	.....	.....	0.0
6- 9	do	.....	.....	.....	.0
SMITH CANAL—D-526					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements made at Headgate					
5-28	R. F. Bishop	2.6	0.59	.....	1.5
6-14	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
SMOCK CANAL—D-465					
Diverted from Trunk Butte Canal—Sec. 26-32-50 W.					
Measurement made at Headgate					
8-19	R. F. Bishop	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SNOW CANAL—D-485					
Diverted from Niobrara River—Sec. 35-29-51 W.					
Measurements made at Headgate					
10- 3	C. D. Christensen	.....	.....	.....	0.0
10-20	do	.....	.....	.....	.0
5- 8	R. F. Bishop	.....	.....	.....	.0
5-31	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
SNYDER CANAL—A-3445					
Diverted from Snyder Reservoir—Sec. 17-33-56 W.					
Measurement made at Headgate					
7- 1	Bishop-Rasmussen	.....	.....	.....	0.0
SODERQUIST CANAL—A-1237					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements made at Headgate					
5- 6	R. F. Bishop	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
SODERQUIST CANAL—A-1420					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements made at Headgate					
5- 6	R. F. Bishop	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
SOW BELLY CANAL, OLD—D-533					
Diverted from Sow Belly Creek—Sec. 7-32-55 W.					
Measurements made at Headgate					
10- 2	Christensen-Rasmussen	0.7	1.37	.....	1.0
8- 5	Bishop-Rasmussen	.....	.....	.....	0
8-17	R. F. Bishop	.....	.....	.....	.0
SPRING BRANCH CANAL—D-893, D-862, A-669					
Diverted from Lawrence Fork—Sec. 11-18-52 W.					
Measurement made at Headgate					
8-31	R. V. Meyers	1.8	9.30	.....	1.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SPRING CREEK CANAL—A-3310					
Diverted from Spring Creek Reservoir—Sec. 7-32-55 W.					
Measurements made at Headgate					
5- 8	Bishop-Rasmussen	.....	.....	.....	0.0
8-17	R. F. Bishop	.....	.....	.....	.0
STANSBIE PUMP—A-3679					
Diverted from Muddy Creek—Sec. 16-4-23 W.					
Measurement made at Headgate					
7-23	L. F. Zabel	.....	.....	.....	0.0
STUART BROS. CANAL, NORTH—A-8					
Diverted from Cottonwood Creek, Little—Sec. 18-32-52 W.					
Measurements made at Headgate					
4-10	Bishop-Rasmussen	.....	.....	.....	0.0
5-27	R. F. Bishop	.....	.....	.....	.0
6-12	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
8-11	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
STUART BROS. CANAL, SOUTH—A-8R					
Diverted from Cottonwood Creek, Little—Sec. 18-32-52 W.					
Measurements made at Headgate					
4-10	Bishop-Rasmussen	.....	.....	.....	0.0
5-27	R. F. Bishop	1.8	0.99	.....	1.8
6-12	do	1.4	.79	.....	1.1
6-25	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
8-11	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
SUDMAN CANAL—A-1483					
Diverted from Lodgepole Creek—Sec. 22-13-45 W.					
Measurement made at Headgate					
5- 5	R. F. Bishop	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SUTHERLAND POWER RETURN					
Diverted from North Platte Regulator Reservoir A-2352— Sec. 16-13-30 W.					
Measurements made in Tail Race					
10-28	D. B. Ender	289	2.63	5.15	757.0
11-21	do	231	2.15	4.42	496.0
12- 1	do	367	3.29	6.24	1206.0
12-10	do	389	3.50	6.52	1360.0
12-20	do	320	2.92	5.60	936.0
12-22	do	382	3.43	6.46	1310.0
12-27	do	308	2.79	5.40	858.0
1- 9	do	391	3.40	6.55	1330.0
1-24	do	449	4.01	7.34	1800.0
3- 4	do	469	3.94	7.52	1830.0
3-30	do	450	3.66	7.36	1650.0
4- 6	do	448	3.65	7.34	1646.0
4-24	do	314	2.78	5.52	873.0
5-29	do	362	3.29	6.20	1190.0
6-26	do	276	2.72	5.04	751.0
7-24	do	458	2.40	5.84	1100.0
8- 7	do	363	3.33	6.18	1210.0
9- 4	do	373	3.49	6.36	1300.0
SYLVAN DELL CANAL—A-1340					
Diverted from Driftwood Creek—Sec. 1-2-30 W.					
Measurement made at Headgate					
5-22	L. F. Zabel	.....	.....	.....	0.0
THOMAS CANAL—A-2057					
Diverted from Ash Creek, East—Sec. 19-32-50 W.					
Measurements made at Headgate					
6-16	Bishop-Rasmussen	.....	.....	.....	0.0
8-25	R. F. Bishop	.....	.....	.....	.0
THOMAS CANAL—A-1748					
Diverted from Bordeaux Creek, Big—Sec. 34-34-48 W.					
Measurements made at Headgate					
6-30	R. F. Bishop	.....	.....	.....	0.0
7-27	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
THOMAS CANAL—A-627					
Diverted from Squaw Creek—Sec. 10-33-57 W.					
Measurements made at Headgate					
5-13	Bishop-Rasmussen	0.1	0.07	.....	0.1
8-18	R. F. Bishop	.....	.....	.....	.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
THOMAS-STUART CANAL—D-425					
Diverted from Cottonwood Creek, Little—Sec. 8-32-52 W. Measurement made at Headgate					
4-10	Bishop-Rasmussen	.....	.....	.....	0.0
THORSTENSEN PUMP—A-2569					
Diverted from Lodgepole Creek—Sec. 7-14-51 W. Measurements made at Pump Outlet					
5-22	R. F. Bishop	.....	.....	.....	0.0
6- 8	do	.....	.....	.....	.0
7- 1	C. D. Christensen	.....	.....	.....	.0
7- 8	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
TIETZE PUMP—A-3298					
Diverted from Republican River—Sec. 29-4-24 W. Measurement made at Pump Outlet					
7-23	L. F. Zabel	1.1	1.98	.....	2.16
TOBIN CANAL—D-330					
Diverted from Lodgepole Creek—Sec. 28-14-47 W. Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
6-30	C. D. Christensen	1.3	0.24	.....	.3
TOWNSEND CANAL—A-1054					
Diverted from White Clay Creek—Sec. 25-35-45 W. Measurement made at Headgate					
4- 8	Bishop-Rasmussen	.....	.....	.....	0.0
TRACY PUMP—A-3335					
Diverted from Mud Creek—Sec. 2-2-36 W. Measurement made at Pump Outlet					
7-22	L. F. Zabel	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

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					
4-16	R. F. Bishop	2.0	0.64	.....	1.3
5- 3	do	.2	.30	.....	.1
5-21	do	.....	.....	.....	.1
6- 3	do	3.4	.57	.....	1.9
7- 2	C. D. Christensen	2.0	.58	.....	1.2
7- 7	do	.....	.....	.....	.2
8-18	do	.....	.....	.....	.0
9- 2	Christensen-Lutey	.....	.....	.....	.0
TRAILS END CANAL—A-3453					
Diverted from Pumpkinseed Creek—Sec. 30-19-52 W. Measurements made at Headgate					
5-29	Jack Ratliff	6.7	1.08	.....	7.2
8-27	Meyers-Kimmel	9.4	3.96	1.30	3.7
9-27	Jack Ratliff	2.3	1.34	.....	3.1
TRI-STATE CANAL, D-918, A-660, ALLIANCE DRAIN					
To River—Sec. 18-22-53 W.					
6- 1	P. D. Harrington	3.2	1.41	1.80	4.5
6-11	do	6.0	2.50	2.40	14.9
6-24	do	.....	.....	.....	.0
7- 7	do	6.2	2.33	2.40	14.3
7-14	do	.....	.....	.....	.0
8-11	do	5.1	1.70	2.42	8.7
8-18	do	9.0	2.34	3.10	21.0
8-26	do	9.5	2.48	3.26	23.3
8-31	do	8.8	2.54	3.05	22.2
9-22	do	5.6	1.56	2.24	8.8
TURNER CANAL—D-537					
Diverted from Antelope Creek—Sec. 26-34-57 W. Measurement made at Headgate					
7- 1	Bishop-Rasmussen	.....	.....	.....	0.0
TURNER CANAL—A-1676					
Diverted from Turner Reservoir—Sec. 26-34-57 W. Measurement made at Headgate					
8-18	R. F. Bishop	.....	.....	.....	0.0
TURNER CANAL—A-1677					
Diverted from Turner Reservoir—Sec. 26-34-57 W. Measurements made at Headgate					
7- 1	Bishop-Rasmussen	.....	.....	.....	0.0
8-18	R. F. Bishop	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
URBACH CANAL—D-308, A-723					
Diverted from Lodgepole Creek—Sec. 15-14-51 W.					
Measurements made at Headgate					
4-19	R. F. Bishop	.....	.....	.....	0.0
5- 4	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
VALDEZ CANAL—D-976, A-3450					
Diverted from Cedar Creek—Sec. 10-32-56 W.					
Measurement made at Headgate					
8- 5	Bishop-Rasmussen	.....	.....	.....	0.0
VICTORIA CANAL NO. 1—D-210, D-212, A-1843					
Diverted from Victoria Creek—Sec. 1-19-21 W.					
Measurements made at Headgate					
6-15	W. J. Page	.....	.....	.....	0.0
7-14	do	.....	.....	.....	.0
WARBONNET CANAL—D-548					
Diverted from Warbonnet Creek—Sec. 21-33-56 W.					
Measurements made at Headgate					
10- 2	Christensen-Rasmussen	.....	.....	.....	0.0
6-14	R. F. Bishop	1.0	1.23	.....	1.2
7- 1	Bishop-Rasmussen	1.5	.73	.....	1.1
7-14	R. F. Bishop	.5	1.00	.....	.5
7-20	do	.6	1.00	.....	.6
8-17	do	.6	.50	.....	.3
9- 2	Bishop-Rasmussen	.3	.67	.....	.2
WARBONNET CANAL NO. 2—A-892					
Diverted from Warbonnet Creek—Sec. 20-33-56 W.					
Measurements made at Headgate					
10- 2	Christensen-Rasmussen	0.6	1.72	.....	1.1
4- 7	Bishop-Rasmussen	2.7	1.05	.....	2.9
5-13	do	3.0	.90	.....	2.7
6-14	R. F. Bishop	.....	.....	.....	.0
7- 1	Bishop-Rasmussen	.....	.....	.....	.0
7-14	R. F. Bishop	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 2	Bishop-Rasmussen	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WARNEKE CANAL—D-505					
Diverted from Niobrara River—Sec. 27-31-57 W. Measurements made at Headgate					
4- 7	Bishop-Rasmussen	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6-17	R. F. Bishop	.....	.....	.....	.0
7-15	Bishop-Munson	.....	.....	.....	.0
7-29	Bishop-Rasmussen	.....	.....	.....	.0
8-12	R. F. Bishop	.....	.....	.....	.0
9- 1	do	.....	.....	.....	.0
WEARIN CANAL—A-1864					
Diverted from Lodgepole Creek—Sec. 8-14-58 W. Measurements made at Rating Flume					
4-16	R. F. Bishop	.....	.....	.....	0.0
5- 3	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
6- 3	do	.....	.....	.....	.0
9- 2	Christensen-Lutey	.....	.....	.....	.0
WHITE RIVER CANAL—D-477					
Diverted from White River—Sec. 34-32-52 W. Measurements made at Rating Flume					
4-10	Bishop-Rasmussen	.....	.....	.....	0.0
5-12	R. F. Bishop	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0
6-12	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-28	Bishop-Rasmussen	.....	.....	.....	.0
8-11	R. F. Bishop	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
WICKERSHAM CANAL—A-701, A-2204					
Diverted from Boggy Creek—Sec. 31-33-54 W. Measurements made at Headgate					
4- 6	Bishop-Rasmussen	.....	.....	.....	0.0
8-17	R. F. Bishop	.....	.....	.....	.0
9- 2	Bishop-Rasmussen	.....	.....	.....	.0
WICKERSHAM SUPPLY CANAL—A-2182					
Diverted from Boggy Creek—Sec. 31-33-54 W. Measurements made at Headgate					
7- 1	Bishop-Rasmussen	0.3	0.67	.....	0.2
7-20	R. F. Bishop	.2	.50	.....	.1
8-17	do	.1	1.00	.....	.1
9- 2	Bishop-Rasmussen	.....	.....	.....	.0

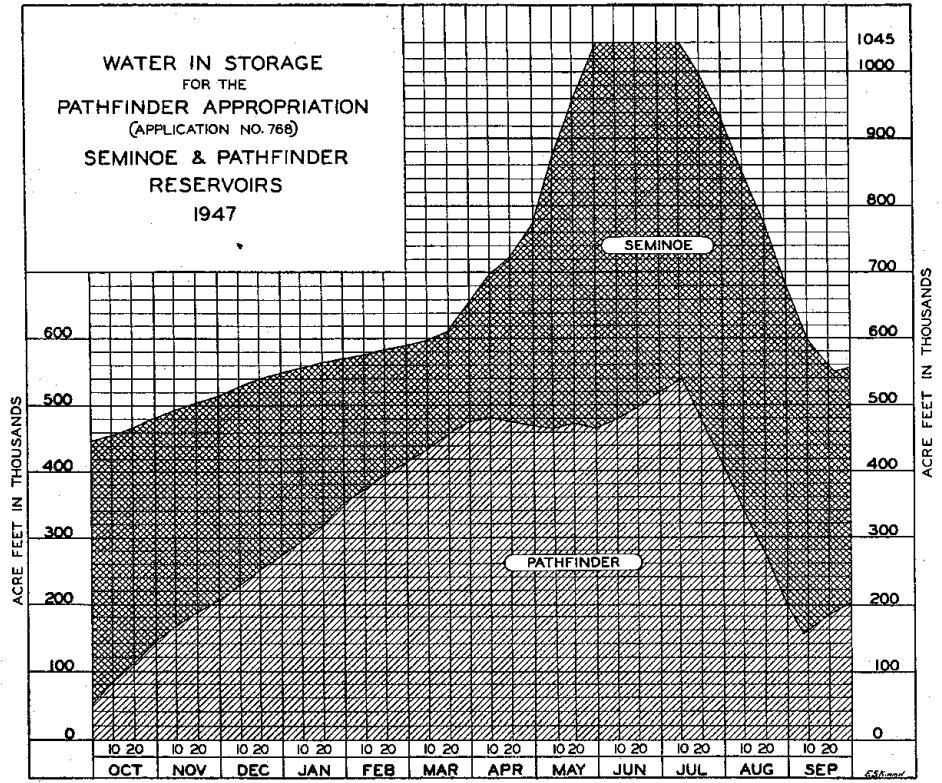
DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1948

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WICKERSHAM CANAL—A-2203					
Diverted from Wickersham Reservoir—Sec. 30-33-54 W.					
Measurement made at Headgate					
7- 1	Bishop-Rasmussen	.....	.....	.....	0.1
WIEGAND CANAL—A-563					
Diverted from Lodgepole Creek—Sec. 17-13-45 W.					
Measurements made at Headgate					
5- 5	R. F. Bishop	.....	.....	.....	0.0
6-29	C. D. Christensen	.....	.....	.....	.0
7- 9	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8- 2	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-31	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0
WIEGAND CANAL NO. 2—A-1323					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurement made at Headgate					
5- 5	R. F. Bishop	.....	.....	.....	0.0
WIEGAND CANAL NO. 3—A-1322					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurement made at Headgate					
5- 5	R. F. Bishop	.....	.....	.....	0.0
WILDS CANAL, NORTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0
6-29	C. D. Christensen	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-31	do	.....	.....	.....	.0
WILDS CANAL, SOUTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements made at Headgate					
4-21	R. F. Bishop	.....	.....	.....	0.0
5- 5	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Concluded**Year Ending September 30, 1948**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WOLFE CANAL—D-813					
Diverted from Lodgepole Creek—Sec. 18-13-45 W.					
Measurements made at Headgate					
5- 5	R. F. Bishop	.....	.....	.....	0.0
6-29	C. D. Christensen	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
WOODRUFF CANAL, SOUTH—D-536					
Diverted from Jim Creek—Sec. 14-33-57 W.					
Measurement made at Headgate					
5-13	Bishop-Rasmussen	.....	.....	.....	0.0
ZERBST CANAL—A-2003					
Diverted from Little Red Creek—Sec. 34-33-56 W.					
Measurements made at Headgate					
10-22	C. D. Christensen-Rasmussen	0.2	0.57	.....	0.1
4- 7	Bishop-Rasmussen	.3	.90	.....	.3
8- 5	do	.4	.75	.....	.3
8-18	R. F. Bishop	.....	.....	.....	.0
ZERBST CANAL—D-551					
Diverted from Prairie Dog Creek—Sec. 25-33-56 W.					
Measurement made at Headgate					
4- 7	Bishop-Rasmussen	.....	.....	.....	0.0
ZIMMERMAN CANAL—A-532					
Diverted from Sow Belly Creek—Sec. 34-33-55 W.					
Measurements made at Headgate					
4- 6	Bishop-Rasmussen	0.4	0.62	.....	0.2
4- 6	do	1.2	1.01	.....	1.2
5-28	R. F. Bishop	.....	.....	.....	.0
7- 1	Bishop-Rasmussen	.....	.....	.....	.0
7-20	R. F. Bishop	.....	.....	.....	.0
8- 5	Bishop-Rasmussen	1.4	1.00	.....	1.4
8-17	R. F. Bishop	.....	.....	.....	.1
8-26	Bishop-Rasmussen	1.4	.72	.....	1.0
9- 2	do	1.3	.92	.....	1.1

DAILY DISCHARGES
of
RESERVOIRS
and
PLATTE RIVERS



BUREAU OF IRRIGATION

CONTENTS IN ACRE-FEET, SEMINOE STORAGE RESERVOIR
 Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	559600	501180	472120	438640	378750	337570	364120	407790	644470	937200	976460	920540
2	557150	499720	471470	436900	378010	336710	348660	410340	651410	941120	975110	917960
3	554580	498930	470930	435170	376440	334830	350410	413300	658430	944860	974730	915210
4	551760	497470	470170	433650	374970	332460	352430	418220	666910	949360	973380	912450
5	549930	495780	469420	433140	373500	330520	354470	426240	675520	953730	971830	909900
6	548080	494210	468780	431510	371840	328840	357500	434360	683440	958100	970290	907370
7	546080	492860	468240	429880	370190	327400	359010	443600	692230	961510	968550	905560
8	543670	491630	468240	428250	368740	326310	360430	452970	702570	964550	966640	902670
9	541140	490630	467180	426750	368020	325900	361230	462480	712250	967210	964740	899960
10	538610	489860	465900	425140	366300	324490	362130	474290	722100	969900	963790	897610
11	536240	488540	464400	423840	364760	323080	362410	486330	735100	972610	961890	895500
12	533870	487100	463230	423030	363130	321840	362860	498590	747510	974530	959800	894350
13	532210	485660	461950	421130	361320	320590	364310	508810	760080	975690	957530	892920
14	529770	484340	460880	419020	359720	319430	364120	518030	772840	975880	955250	892380
15	527600	483120	460240	417240	358210	318440	364030	527360	785780	975880	953160	890960
16	525360	482020	458960	415270	357410	318030	364850	535640	795680	975880	951450	889890
17	523500	481680	457490	413590	355630	317380	366030	543830	803820	976080	950500	888470
18	521640	480800	455920	412110	353850	317220	367200	550060	811300	976660	948600	887220
19	520240	479930	454340	411230	352160	317540	368740	556170	818130	977810	946540	885800
20	519540	479060	452760	409060	350500	318190	370730	562290	827250	979160	944300	884730
21	518260	478200	451500	406430	348930	319430	372020	568510	837450	980320	942060	884550
22	516740	477330	451080	403710	347700	321500	374230	575980	846770	981480	939630	883300
23	515230	476680	449610	400800	347000	323660	378840	582170	857390	981860	937390	881880
24	513730	476350	448360	397810	345430	326150	384450	588640	866330	982440	936080	880460
25	512010	475160	447940	395140	343760	328500	389130	595070	875870	983020	933830	879230
26	510300	474180	446910	393004	342300	330520	392950	599570	907910	983210	931590	877610
27	509270	473210	445560	390080	340580	332720	397330	607420	915210	983410	929540	876540
28	507670	473210	444010	387070	339030	336110	400420	613320	921640	982250	927340	876010
29	505950	472660	443190	384160	.....	339120	402940	620010	927150	980710	925130	874070
30	504230	472230	441530	381730	.....	341960	405270	628050	932710	979740	923290	871790
31	502640	.....	439670	380040	.....	344200	.....	636220	.....	978010	922190	.....

Record furnished by the United States Bureau of Reclamation.

CONTENTS IN ACRE-FEET, PATHFINDER STORAGE RESERVOIR
 Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54130	147300	209500	275250	355020	417710	480140	468650	467310	522440	403880	193370
2	57460	149650	211250	277330	356660	419650	481280	467090	469440	525170	395420	186990
3	60860	151430	213330	279790	358570	421890	481850	465420	471680	527920	386720	181030
4	64460	153620	215570	282280	360750	424770	482190	463650	473240	529670	379120	175160
5	67980	156120	217840	283990	363030	427370	482310	462320	475040	531170	372570	169400
6	70880	158590	219850	286190	365300	429760	481510	461220	476290	532670	366120	163340
7	74100	161040	222030	288660	367590	431960	481280	460450	477530	534290	359660	156790
8	77400	163500	223630	291080	369710	434060	481400	461330	478210	536300	353490	155870
9	80540	165620	225040	293380	371360	435540	481620	463760	478770	538060	347820	158540
10	83710	167360	226140	295370	373410	437340	481280	467200	479690	539710	341750	161300
11	86870	169350	226480	298000	375740	439780	481170	470000	481050	539960	335980	163810
12	89960	171670	232760	299720	377710	442120	480830	472800	482420	536430	330260	166200
13	92490	174170	235250	301770	380150	444360	479800	475720	483790	530540	324590	168050
14	95040	176480	237630	304510	382710	446620	479120	478550	485500	523800	318740	169570
15	98030	178520	239380	307080	384990	448580	478890	481510	486650	516510	312580	171290
16	101350	180690	241340	309570	386720	450290	478550	484130	488030	509330	306250	173080
17	104540	182320	243770	311990	389120	452130	478210	484020	490350	503190	298410	175130
18	107670	184160	246220	314090	391820	454420	477640	486060	492570	495960	290900	177640
19	110740	186410	248600	315850	394340	456380	477080	476290	494320	488380	283400	179910
20	112940	188500	251070	318310	396790	458360	476170	473130	496430	480370	277100	181920
21	115400	190540	253260	321390	399340	460010	476060	470890	499260	473240	270480	183270
22	118190	192600	254720	324850	401410	461440	476400	468760	501520	466420	263880	185200
23	121350	194610	256550	328240	403190	463090	476290	466640	503790	459350	256840	187400
24	124560	196260	258900	331670	405580	464980	476290	464420	506190	453000	249320	189660
25	127240	198340	260520	334660	408180	467420	476170	461550	508350	446940	242410	191780
26	130100	200530	262230	337210	410680	469550	475720	459130	510770	440480	235740	194020
27	132740	202550	264480	340590	413280	471450	474820	457810	512960	434480	229540	196200
28	135480	204160	266740	344150	415390	473240	473690	458470	515410	429040	222550	197360
29	138820	205900	268640	347640	.....	474820	472240	460340	517740	424050	215630	199620
30	141860	207880	270860	350700	.....	476170	470440	463090	519960	419240	208560	202550
31	144800	.....	273330	353040	.....	477870	.....	465420	.....	412380	200900	.....

Record furnished by the United States Bureau of Reclamation.

REPORT OF THE STATE ENGINEER

CONTENTS IN ACRE-FEET, ALCOVA RESERVOIR
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	82760	83050	83150	83180	83380	83730	84240	153840	178970	179130	179300	185490
2	82760	83030	83150	83180	83390	83750	85370	157320	178970	179020	179110	185730
3	82780	83020	83160	83180	83390	83770	87260	160790	178990	178900	178940	186090
4	82810	83020	83160	83180	83410	83770	89400	164210	178990	178780	179390	186390
5	82840	83030	83180	83180	83420	83780	91660	167650	178970	178610	179750	186550
6	82890	83050	83180	83200	83440	83780	93900	171060	178970	178450	179750	186650
7	82940	83070	83180	83200	83460	83780	96190	174510	178990	178310	179610	186630
8	82950	83080	83200	83210	83460	83800	98440	176540	178940	178240	179590	181840
9	82970	83100	83200	83210	83470	83800	100680	176920	179130	178330	179820	179370
10	82950	83120	83200	83230	83490	83820	103000	176900	179250	178560	179470	166270
11	82940	83130	83200	83250	83510	83830	105280	176970	179390	178610	179090	159460
12	82940	83130	83200	83260	83520	83850	107540	176940	179510	178750	178660	153580
13	82940	83130	83180	83280	83540	83860	109780	176870	179580	178800	178240	148470
14	83940	83150	83160	83280	83550	83880	112010	176800	179630	178660	177930	143570
15	82950	83150	83150	83280	83570	83880	114210	176710	179680	178490	177880	138510
16	82970	83160	83160	83280	83590	83900	116400	176660	179730	178380	178240	134050
17	83000	83160	83160	83280	83600	83910	118590	176520	179800	178240	179180	129350
18	83020	83160	83160	83290	83600	83950	120790	176380	179840	178050	180370	125280
19	83030	83160	83180	83290	83620	83980	122930	176210	179840	178070	181630	121580
20	83050	83160	83180	83290	83640	84040	125120	176710	179960	178380	182910	117940
21	83050	83160	83180	83310	83650	84080	127360	177110	180180	178390	184110	114320
22	83050	83160	83180	83310	83670	84110	129570	177340	180180	179230	185170	110750
23	83030	83160	83180	83310	83690	84140	131760	177600	180030	179510	186630	109490
24	83030	83160	83180	83310	83700	84160	133890	177880	179920	179560	186730	109350
25	83020	83160	83180	83330	83700	84160	136030	178140	179770	179890	185780	109310
26	83020	83150	83180	83330	83700	84170	138220	178420	179630	180290	185820	109330
27	83020	83150	83180	83330	83700	84170	140370	178680	179490	180560	185820	109350
28	83030	83150	83180	83330	83720	84170	143380	178940	179390	180480	185850	109330
29	83050	83150	83180	83340	.....	84190	146890	179020	179350	180180	185870	109350
30	83050	83150	83180	83340	.....	84210	150380	179040	179250	179750	185850	109390
31	83050	.....	83180	83360	.....	84220	.....	178990	.....	179470	185700	.....

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
OUTFLOW OF ALCOVA RESERVOIR
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	3	3	3	3	3	3	3	118	110	5530	4940
2	0	13	3	3	3	3	3	3	118	110	5530	4530
3	0	13	3	3	3	3	3	3	116	110	5530	4300
4	0	3	3	3	3	3	3	3	116	110	5080	4300
5	0	3	3	3	3	3	3	3	116	110	4550	4300
6	0	3	3	3	3	3	3	3	116	110	4750	4300
7	0	3	3	3	3	3	3	3	116	155	4750	4300
8	0	3	3	3	3	3	3	3	167	212	4530	4280
9	0	3	3	3	3	3	3	3	209	212	4410	4210
10	0	3	3	3	3	3	3	3	209	212	4410	3990
11	0	3	3	3	3	3	3	3	209	732	4410	3370
12	0	3	3	3	3	3	3	3	142	2510	4390	3020
13	0	3	13	3	3	3	3	12	112	3710	4390	2540
14	0	3	13	3	3	3	3	3	112	4510	4370	2410
15	0	3	8	3	3	3	3	28	112	5000	4360	2400
16	0	3	3	3	3	3	3	7	110	5000	4230	2400
17	0	3	3	3	3	3	3	787	110	5000	4150	2400
18	0	3	3	3	3	3	3	2850	110	4980	4210	2080
19	0	3	3	3	3	3	3	3500	110	4980	4210	1850
20	0	3	3	3	3	3	3	2600	112	4700	4140	1810
21	0	3	3	3	3	3	3	1930	114	4490	4170	1800
22	0	3	3	3	3	3	3	2040	112	4490	4230	1780
23	10	3	3	3	3	3	3	1990	112	4490	4490	702
24	10	3	3	3	3	3	3	1990	110	4340	4530	125
25	10	3	3	3	3	3	3	1990	110	4050	4550	42
26	10	3	3	3	3	3	3	1990	110	4050	4580	3
27	10	3	3	3	3	3	3	2010	110	4050	4600	3
28	10	3	3	3	3	3	3	908	110	4050	4830	3
29	10	3	3	3	.....	3	3	122	110	4050	4940	3
30	10	3	3	3	.....	3	3	120	110	4050	4940	3
31	10	.....	3	3	.....	3	.....	118	.....	5020	4940	.....
Mean	3	4	4	3	3	3	3	807	125	2894	4604	2406
Max.	10	13	13	3	3	3	3	3500	209	5020	5530	4940
Min.	0	3	3	3	3	3	3	3	110	110	4140	3
A.F.	178	218	234	184	167	164	178	49650	7440	177930	283100	143200

Total acre-feet 662660.

Record furnished by the United States Bureau of Reclamation.

BUREAU OF IRRIGATION

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DISCHARGE IN SECOND FEET, NORTH PLATTE RIVER
INFLOW OF GUERNSEY RESERVOIR
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	567	337	299	192	241	196	652	1400	1720	2290	4060	4870
2	542	281	311	174	229	205	1020	1430	1640	2150	4860	4960
3	371	291	299	221	185	181	1160	1450	1580	1860	5510	4960
4	483	276	276	139	194	240	1370	1480	1230	1500	5530	4660
5	393	281	281	220	169	158	1240	1580	1300	1340	5450	4290
6	397	251	244	204	200	190	1020	1850	1300	1220	5040	4380
7	417	291	274	190	215	261	868	1730	1140	1140	4660	4290
8	437	342	244	164	185	215	672	1590	1170	1150	4760	4320
9	417	271	324	209	204	215	693	1530	980	986	4760	4320
10	382	241	254	190	162	234	541	1520	765	1120	4640	4330
11	270	95	233	229	229	263	663	1510	990	1100	4860	4360
12	288	243	256	217	141	325	490	1430	994	997	4580	4110
13	366	177	268	232	230	195	586	1360	1060	1150	4480	3740
14	338	338	253	206	208	284	545	2000	1060	813	4500	3260
15	320	359	268	195	213	306	518	1500	1060	2590	4490	3030
16	334	418	246	184	277	342	796	1510	973	4290	4490	2840
17	302	414	112	160	315	467	1180	1310	880	4890	4420	2610
18	345	339	122	120	221	648	1060	1220	801	5080	4380	2630
19	333	381	107	184	316	918	1120	1120	834	5110	4210	2650
20	316	339	136	229	290	630	1440	1280	983	4950	4220	2520
21	331	319	233	151	262	603	1590	3190	1430	4900	4170	2240
22	354	268	212	191	277	582	1790	3330	2810	4660	4090	2140
23	300	302	260	175	252	609	1930	2640	4530	4530	4080	2110
24	291	242	234	183	208	637	1700	2480	4650	4520	4130	1950
25	313	264	302	193	191	747	1450	2350	3830	4610	4280	2050
26	274	291	332	185	188	789	1360	2350	3040	4410	4540	1510
27	274	305	315	247	202	775	1180	2380	2640	4120	4620	842
28	279	255	129	268	125	612	1250	2510	2130	4080	4590	713
29	313	307	76	205	...	554	1370	2470	2230	3900	4580	551
30	251	254	200	185	...	463	1430	2570	2540	4230	4730	524
31	276	...	232	220	...	536	...	2090	...	4080	4900	...
Mean	351	292	232	196	219	431	1090	1876	1743	3025	4600	3059
Max.	567	418	332	268	316	918	1930	3330	4650	5110	5530	4960
Min.	251	95	76	120	125	158	490	1120	765	813	4060	524
A. F.	21570	17400	14290	12020	12160	26500	64840	115360	103720	185980	282870	182010

Total acre-feet 1038720.

Record furnished by the United States Bureau of Reclamation.

CONTENTS IN ACRE-FEET, GUERNSEY STORAGE RESERVOIR
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12760	32470	41750	43650	42190	43920	35580	42400	39730	45930	13300	10510
2	13790	32990	41950	43580	42350	43880	35780	43110	42580	46140	13440	11500
3	14480	33530	42130	43560	42260	44020	35940	43900	45310	46140	14980	12490
4	15400	34040	42260	43380	42190	44060	36520	44760	46370	46050	16670	12920
5	16140	34560	42400	43360	42150	44020	36840	45800	46240	45500	18270	12700
6	16890	35030	42490	43310	42170	44040	36690	46550	45930	44390	19100	12700
7	17680	35570	42640	43270	42060	44200	36230	46350	45700	42970	19090	12570
8	18510	36210	42780	43180	41970	44270	35420	46050	45910	41150	19180	12830
9	19290	36710	42980	43150	41920	44340	34730	45980	45730	38900	19290	12840
10	20010	37150	43090	43140	41900	44530	33840	45700	45130	36130	18900	13300
11	20500	37300	43160	43180	41900	44780	33270	45060	44430	32150	19000	14480
12	21030	37450	43310	43200	41880	45150	32310	44400	44390	26640	18590	15850
13	21710	37450	43450	43250	42040	45220	31540	42750	44430	20630	18000	17040
14	22310	37750	43560	43160	42150	45430	30690	41860	44460	13690	17450	17590
15	22610	38090	43690	43090	42280	45680	29860	40030	44480	9980	16890	17990
16	23530	38560	43790	43000	42620	45870	29560	37090	44340	9590	16460	18160
17	24090	39030	43880	42820	43090	45680	29980	33700	44020	10390	15900	18290
18	24730	39350	43360	24600	43250	45470	30170	30030	43560	11670	15250	18650
19	25340	39750	43290	42550	43520	45630	30470	26350	43160	13190	14480	19080
20	25910	40030	43290	42550	43740	44990	31420	23690	43110	14490	13720	19210
21	26510	40270	43400	42400	43900	44270	32660	24410	43830	15670	12800	18800
22	27170	40410	43380	42330	44090	43540	34280	25440	44650	16370	11750	18200
23	27710	40580	43520	42220	44230	42820	36150	25340	47260	16900	10680	17510
24	28230	40670	43610	42130	44290	42150	37600	24850	46470	17640	9730	16530
25	28780	40800	43830	42100	44270	41680	38540	24360	46210	18440	9100	15740
26	29280	40970	44110	42100	44200	41210	39330	23970	46070	18780	8990	14220
27	29780	41170	44360	42260	44160	40710	39730	23450	46350	18730	9040	12000
28	30280	41280	44200	42400	43970	39880	40270	24580	46420	18430	9030	10220
29	30850	41480	43900	42310	.....	38920	41060	28300	46520	17290	9010	9950
30	31310	41570	43880	42220	.....	37750	41790	33010	46120	16290	9270	10100
31	31840	.....	43720	42190	.....	36710	.....	36730	.....	14680	9870	.....

Record furnished by the United States Bureau of Reclamation.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND FEET, NORTH PLATTE RIVER
OUTFLOW OF GUERNSEY RESERVOIR
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	19	208	227	251	221	1070	1080	191	2360	4740	4540
2	19	19	210	209	148	225	1080	1040	192	2030	4780	4460
3	19	19	208	231	230	110	1080	1030	190	1840	4720	4450
4	19	19	210	230	229	220	1080	1030	692	1520	4670	4430
5	19	19	210	230	229	178	1080	1020	1340	1590	4630	4390
6	19	19	199	229	190	180	1100	1460	1430	1750	4610	4370
7	19	19	198	210	270	180	1100	1810	1240	1840	4650	4350
8	19	19	199	209	230	180	1080	1730	1030	2040	4700	4280
9	19	19	198	209	229	180	1050	1550	1010	2090	4740	4210
10	19	19	199	210	172	138	990	1660	1050	2500	4780	4100
11	19	19	198	209	229	137	950	1820	1340	3080	4800	3760
12	19	167	180	207	151	138	974	1940	1010	3760	4780	3410
13	19	177	197	207	149	160	974	1980	1020	4170	4760	3130
14	19	187	198	251	153	178	974	2430	1020	4300	4760	2980
15	19	188	202	230	147	180	966	2400	1030	4450	4760	2820
16	19	181	196	229	106	246	955	2970	1020	4480	4700	2740
17	19	177	218	251	78	563	958	3080	1020	4480	4690	2540
18	19	178	233	231	140	754	966	3080	1020	4430	4670	2440
19	19	180	142	209	180	837	966	2970	1010	4340	4590	2430
20	19	198	136	229	179	953	966	2610	1030	4280	4590	2440
21	19	198	178	227	181	966	966	2810	1050	4300	4630	2440
22	19	197	222	226	181	950	974	2810	1370	4300	4810	2430
23	19	216	189	230	181	972	974	2680	4210	4260	4810	2450
24	19	197	190	228	178	975	966	2710	5020	4130	4610	2440
25	19	198	191	208	201	984	974	2580	3930	4190	4590	2440
26	19	205	191	185	223	1010	966	2540	3080	4220	4590	2270
27	19	204	189	166	222	1030	974	2540	2480	4130	4590	1950
28	19	200	210	187	221	1030	974	1930	2070	4220	4590	1600
29	19	206	221	250	...	1040	974	584	2160	4460	4590	685
30	19	209	210	230	...	1050	1060	183	2720	4720	4590	446
31	19	...	188	230	...	1060	...	195	...	4890	4590	...
Mean	19	129	197	220	188	549	1005	1940	1566	3521	4665	3047
Max.	19	216	233	251	270	1060	1100	3066	5020	4890	4800	4540
Min.	19	19	136	166	78	110	950	183	190	1520	4590	446
A.F.	1170	7680	12140	13520	10470	33770	59830	119270	93170	216500	287030	181330

Total acre-feet 1035880.

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT WYOMING-NEBRASKA STATE LINE
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	612	414	548	430	440	410	428	414	932	3020	1180	966
2	588	414	548	450	456	460	428	435	991	2680	1220	966
3	572	414	556	430	463	484	442	435	932	2230	1240	950
4	564	421	564	470	470	470	463	400	900	1890	1200	950
5	556	442	572	485	477	463	442	387	982	1570	1180	942
6	548	449	548	470	505	564	407	394	1460	1320	1110	934
7	572	442	548	490	491	491	400	477	1640	1240	1030	934
8	572	449	556	505	475	505	374	548	1570	1140	1020	950
9	564	449	556	519	460	505	374	588	1480	1110	1020	934
10	548	449	548	505	500	526	380	491	1130	1020	1060	926
11	533	442	556	512	525	512	387	449	940	1020	1140	958
12	533	435	564	505	550	484	374	505	940	1020	1130	942
13	526	428	564	505	515	449	380	449	1030	1060	1210	894
14	526	428	556	480	498	456	374	421	1340	1070	1210	798
15	519	442	548	465	463	428	380	512	1540	1010	1190	766
16	512	512	533	490	456	428	368	604	1500	1020	1190	734
17	526	548	526	505	470	414	354	772	1420	1020	1160	718
18	519	564	505	510	470	368	348	884	1590	1020	1160	696
19	498	572	491	533	428	361	361	940	1580	1020	1120	682
20	491	580	484	533	463	368	361	860	1560	1010	1080	654
21	484	580	505	540	456	368	342	756	2380	976	1030	612
22	470	604	505	505	463	428	354	796	2230	960	1030	591
23	463	596	533	512	477	442	407	812	2480	960	990	570
24	435	580	540	526	463	470	421	812	4910	1030	966	570
25	428	564	526	519	477	580	442	780	6290	1030	982	556
26	428	548	533	519	449	572	442	756	5380	960	998	542
27	428	564	548	533	425	491	435	692	4140	920	990	528
28	428	548	533	548	420	463	421	748	3290	824	966	507
29	428	533	470	505	...	442	400	860	2770	776	958	494
30	407	533	420	421	...	407	387	764	2680	800	958	494
31	400	...	440	449	...	394	...	836	...	968	950	...
Mean	506	498	530	496	472	458	396	632	2066	1216	1086	759
Max.	612	604	572	548	550	580	463	940	6290	3020	1240	966
Min.	400	414	420	421	420	361	342	387	900	776	950	494
A.F.	31100	29640	32580	30480	26190	28170	23560	38830	122900	74760	66760	45140

Total acre-feet 550100.

BUREAU OF IRRIGATION

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DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
BELOW TRI-STATE DAM

Water Year Ending September 30, 1947

Day	Apr.	May	June	July	Aug.	Sept.
1	272	197	689	2730	194	28
2	279	209	698	2370	198	26
3	279	213	629	1990	216	15
4	279	105	620	1920	209	13
5	231	46	595	1340	209	12
6	211	30	1180	950	150	12
7	218	54	1360	790	71	28
8	218	100	1270	530	50	82
9	211	63	1160	390	43	57
10	218	26	725	190	51	63
11	231	16	452	90	118	150
12	225	12	646	73	100	148
13	238	11	800	58	145	109
14	238	10	1160	62	150	38
15	211	10	1420	38	148	20
16	194	10	1310	39	131	19
17	184	10	1090	38	94	18
18	162	9	1310	27	96	17
19	162	10	1230	50	86	16
20	156	10	1150	33	44	16
21	130	10	2310	23	18	15
22	121	10	2390	24	16	16
23	156	13	2680	24	15	17
24	162	12	4560	60	14	17
25	189	22	5830	84	18	17
26	200	44	4940	75	30	17
27	189	22	3740	49	32	23
28	189	88	2910	24	25	22
29	194	620	2500	20	20	23
30	189	654	2410	18	20	49
31	...	707	...	34	18	...
Mean	205	108	1792	450	88	37
Max.	279	707	5830	2730	216	150
Min.	121	9	595	18	14	12
A.F.	12170	6650	106640	27660	5410	2190

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MITCHELL

Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	913	751	863	756	667	683	700	672	974	4260	419	311
2	919	785	876	780	694	711	694	678	1010	4150	464	325
3	932	774	882	705	705	785	700	645	1040	3650	496	308
4	945	774	869	762	656	827	722	613	974	3290	496	294
5	1000	785	857	851	694	803	717	557	890	2510	496	294
6	964	797	851	821	717	797	678	517	1200	2100	432	294
7	964	785	839	791	619	774	683	508	1450	1780	341	329
8	1040	780	839	768	461	756	661	532	1500	1480	280	348
9	1020	809	809	756	527	733	656	552	1410	1230	245	348
10	977	803	774	756	613	717	678	311	1210	1050	248	385
11	932	780	762	768	717	700	661	292	954	788	385	526
12	945	774	762	774	768	717	645	407	1260	606	368	689
13	938	774	762	756	809	678	645	456	1550	536	385	673
14	913	780	785	656	780	667	634	442	1720	571	432	626
15	913	791	785	608	756	689	629	385	1740	516	415	551
16	900	833	774	640	756	689	634	347	1730	722	415	531
17	938	845	745	645	745	705	619	284	1570	471	406	482
18	964	851	711	700	728	645	613	269	1770	446	389	459
19	938	851	745	728	711	624	613	355	1680	491	393	432
20	900	845	745	745	683	640	613	407	1560	551	348	410
21	882	827	774	722	683	629	593	311	2550	496	297	398
22	900	839	785	745	711	645	587	273	3190	491	272	398
23	869	851	815	739	722	694	645	262	2840	501	266	398
24	863	839	827	728	728	694	694	273	3720	516	255	368
25	821	839	827	722	694	768	700	292	7070	591	255	377
26	809	839	839	717	667	894	722	339	6860	601	258	377
27	797	851	839	711	613	827	722	339	6690	541	294	389
28	787	857	809	700	656	791	717	451	4780	432	290	406
29	791	857	689	694	...	782	705	1080	4610	348	269	406
30	768	857	678	634	...	733	683	1260	4060	333	283	606
31	739	...	700	651	...	717	...	1090	...	364	297	...
Mean	903	814	794	727	689	726	665	490	2419	1187	351	426
Max.	1040	857	882	851	809	894	722	1260	7070	4260	496	689
Min.	739	751	678	608	461	624	587	262	890	333	245	294
A.F.	55520	48440	48830	44690	38240	44620	39600	30150	143920	73020	21600	25330

Total acre-feet 613960.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MINATARE
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1300	1070	1100	975	872	923	880	767	1440	4250	445	492
2	1380	1060	1120	1000	958	931	867	738	1360	4290	491	485
3	1420	1060	1120	900	985	952	893	727	1310	3980	525	489
4	1480	1060	1140	963	937	957	953	718	1490	3430	571	467
5	1500	1070	1140	1050	919	960	982	673	1280	3050	549	450
6	1470	1080	1150	1080	967	927	940	653	1290	2540	522	472
7	1460	1060	1130	1070	893	939	922	655	1540	2080	482	475
8	1510	1070	1130	1070	747	941	913	650	1720	1860	436	530
9	1510	1100	1120	1050	800	951	913	723	1810	1750	415	586
10	1430	1100	1090	1010	850	939	936	567	1760	1580	401	651
11	1350	1090	1100	1020	950	934	904	490	1660	1290	412	783
12	1310	1080	1120	1030	1040	924	868	649	1880	1050	445	992
13	1300	1090	1110	1020	1080	863	846	659	2080	894	454	1010
14	1280	1110	1090	962	1080	801	865	589	2000	832	549	1000
15	1240	1140	1050	925	1020	860	884	578	2040	736	613	1000
16	1230	1170	1000	913	1000	866	904	543	2070	894	596	991
17	1280	1200	961	937	990	896	876	518	2030	764	614	949
18	1330	1200	927	963	976	880	867	523	3750	673	582	922
19	1300	1220	895	986	966	838	859	564	2170	731	571	896
20	1240	1190	916	990	928	822	857	620	1920	781	561	813
21	1216	1140	940	996	931	809	815	559	3380	811	514	782
22	1190	1110	962	994	961	802	781	505	4470	764	476	766
23	1180	1140	999	994	980	867	822	467	4030	736	463	729
24	1170	1140	1020	996	995	869	859	453	3620	738	470	691
25	1150	1130	1030	980	960	889	872	472	4960	777	517	674
26	1110	1110	1030	966	937	1010	890	485	6690	799	510	696
27	1110	1120	1030	973	876	1030	890	509	6280	758	476	748
28	1110	1120	989	1000	876	974	890	697	5400	693	470	798
29	1110	1120	884	989	...	935	839	1160	5410	561	438	805
30	1090	1110	842	916	...	902	795	1700	5120	462	438	935
31	1070	...	924	891	...	872	...	1620	...	435	479	...
Mean	1285	1115	1034	987	948	905	879	685	2865	1451	500	736
Max.	1510	1220	1150	1080	1080	1030	982	1700	6690	4290	614	1010
Min.	1070	1060	842	891	747	801	781	453	1280	435	401	450
A.F.	78980	66370	63590	60710	52510	55680	52330	52110	170500	89230	30710	43770

Total acre-feet 806470.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT BRIDGEPORT
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1760	1580	1460	1300	1180	1160	1080	936	1500	6280	536	600
2	1780	1570	1460	1410	1230	1190	1060	914	1390	5130	535	625
3	1730	1560	1480	1260	1210	1230	1040	898	1500	5040	587	630
4	1780	1560	1480	1200	1180	1210	1110	902	1520	4690	624	665
5	1920	1600	1480	1570	1170	1160	1100	901	1540	4210	610	689
6	1880	1630	1470	1590	1170	1100	1020	861	1370	3600	619	720
7	1890	1620	1450	1510	1210	1110	1000	789	1570	2810	598	720
8	2010	1620	1450	1410	1080	1110	999	768	1900	2490	541	708
9	2160	1600	1470	1360	1080	1120	1020	748	2450	2350	489	701
10	2110	1530	1440	1380	1070	1130	1150	742	2090	2220	463	781
11	2040	1470	1410	1340	1080	1140	1090	692	2020	1800	451	1030
12	1990	1460	1400	1100	1140	1140	1040	930	2510	1470	485	1400
13	1900	1460	1360	1100	1170	1140	1050	926	2790	1210	525	1470
14	1910	1480	1360	1030	1180	1120	1040	802	2560	1160	618	1440
15	1880	1490	1370	986	1320	1110	1030	743	2380	919	1180	1420
16	1860	1550	1340	960	1290	1120	1020	716	2380	1170	978	1330
17	1870	1580	1240	980	1270	1100	1010	675	2380	1040	918	1340
18	1820	1600	1240	1000	1230	1120	997	636	3310	926	887	1420
19	1790	1630	1280	1080	1230	1100	994	674	4960	940	832	1390
20	1770	1640	1300	1110	1240	1090	1020	758	3190	1010	755	1300
21	1720	1590	1310	1270	1270	1090	1010	715	3940	1370	652	1180
22	1700	1550	1320	1220	1260	1050	1010	622	5900	1280	616	1170
23	1660	1550	1330	1260	1230	1070	1040	587	6360	1080	607	1120
24	1610	1550	1330	1290	1220	1100	1060	577	5510	1070	638	1050
25	1570	1520	1320	1190	1220	1080	1060	580	5010	1070	633	1060
26	1570	1520	1320	1170	1220	1140	1050	584	6050	1030	647	1060
27	1570	1510	1340	1120	1220	1220	1020	593	7180	1080	636	1140
28	1580	1490	1240	1120	1180	1200	1030	790	6900	968	621	1250
29	1600	1450	1170	1120	...	1180	996	1200	7580	834	587	1250
30	1610	1470	1100	1130	...	1150	954	1800	7850	658	564	1360
31	1580	...	1200	1160	...	1110	...	1740	...	554	586	...
Mean	1794	1548	1353	1218	1198	1132	1037	828	3586	1983	646	1067
Max.	2160	1840	1480	1590	1320	1230	1150	1740	7850	6280	1180	1470
Min.	1570	1450	1100	960	1070	1050	954	577	1370	554	451	600
A.F.	110320	92090	83190	74790	66550	69600	61690	50890	213400	121900	39710	63510

Total acre-feet 1047640.

BUREAU OF IRRIGATION

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LISCO
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2010	1620	1580	1370	950	1020	1270	1030	1730	6990	606	617
2	2010	1680	1600	1440	880	1290	1220	989	1570	5860	530	639
3	2060	1650	1630	1450	1240	1390	1220	989	1630	4880	540	673
4	2080	1630	1680	1400	1190	1360	1160	950	1570	4600	617	673
5	2110	1680	1680	1180	900	1270	1240	937	1570	4530	639	684
6	2130	1700	1680	1240	1280	1200	1140	924	1550	4100	606	696
7	2130	1630	1680	1340	1340	1250	1140	825	1370	3490	606	673
8	2130	1540	1680	1380	720	1290	1150	789	1730	2880	573	696
9	2100	1600	1700	1380	1010	1340	1250	777	2730	2650	519	765
10	2130	1600	1680	1430	1190	1360	1300	825	2900	2490	477	861
11	2080	1540	1650	1430	1290	1430	1140	837	2600	2250	508	1220
12	2030	1520	1630	1320	1490	1310	1140	976	2900	1890	508	1430
13	2010	1570	1600	1260	1700	1300	1160	1030	2940	1600	540	1540
14	2010	1620	1570	1180	1830	1280	1150	950	2880	1340	584	1570
15	1990	1630	1580	1100	2210	1210	1150	837	2580	1240	825	1600
16	1990	1600	1550	940	2260	1250	1150	765	2410	963	1340	1680
17	2010	1550	1380	960	2010	1220	1150	765	2520	1140	1070	1700
18	2100	1570	1240	1050	1550	1240	1140	765	2840	989	1020	1650
19	2160	1780	1320	1210	1440	1320	1110	777	3000	898	976	1650
20	2150	1940	1420	1300	1440	1300	1080	837	4530	976	885	1660
21	2040	1890	1430	1360	1440	1270	1080	837	4040	1280	801	1520
22	1960	1780	1400	1300	1380	1270	1080	754	4860	2030	684	1430
23	1920	1740	1400	1430	1300	1270	1040	754	5940	1400	719	1430
24	1880	1760	1430	1510	1310	1280	1080	650	6010	1300	673	1340
25	1830	1680	1440	1470	1270	1250	1140	562	5340	1270	684	1270
26	1780	1710	1460	1350	1280	1240	1150	584	4720	1190	650	1220
27	1790	1760	1490	1250	1190	1340	1120	639	5100	1140	628	1220
28	1760	1760	1290	1170	1140	1420	1180	861	7160	1150	617	1320
29	1740	1740	1140	1060	....	1380	1140	976	7320	976	606	1420
30	1700	1660	1100	820	....	1380	1100	1210	7100	837	606	1550
31	1620	....	1210	850	....	1320	....	1700	....	684	....	....
Mean	1982	1671	1494	1256	1364	1292	1152	874	3505	2226	685	1213
Max.	2160	1940	1700	1510	2260	1430	1300	1700	7320	6990	1340	1700
Min.	1620	1520	1100	820	720	1020	1040	562	1370	684	477	617
A.F.	121860	99430	91870	77220	75730	79440	68570	53750	208540	136890	42130	72150

Total acre-feet 1127580.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT OSHKOSH
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1700	1520	1740	1210	820	1020	1320	1040	1730	7040	656	591
2	1760	1520	1760	1300	1080	1020	1220	883	1610	6670	573	613
3	1810	1470	1720	1430	1140	1260	1270	912	1530	5530	511	653
4	1890	1390	1700	1620	1340	1680	1260	957	1850	4660	531	662
5	2110	1500	1660	1680	1370	1470	1320	973	1620	4500	594	634
6	2220	1680	1660	1470	1210	1240	1240	913	1680	4240	636	634
7	2240	1800	1700	1660	1260	1136	1260	883	1510	3600	600	631
8	2240	1700	1650	1930	1060	1260	1270	823	1530	2820	560	629
9	2220	1810	1660	1870	710	1700	1320	795	2100	2440	566	726
10	2220	1800	1700	1800	790	1830	1480	823	2700	2440	501	860
11	2150	1680	1720	1780	970	1890	1380	869	2380	2310	449	1190
12	2070	1610	1760	1750	1290	1740	1310	1050	2760	1930	468	1420
13	1990	1650	1700	1680	1710	1690	1270	1040	2920	1590	461	1420
14	1950	1810	1780	1560	2030	1670	1190	1040	2960	1430	484	1420
15	1910	1890	1780	1200	2420	1650	1110	853	2760	1340	499	1450
16	1810	1930	1780	1080	2690	1410	1110	708	2420	1190	1016	1540
17	1810	1910	1380	970	2560	1380	1090	626	2420	1200	1100	1690
18	1910	1910	905	1100	1760	1380	1120	751	2960	1210	995	1720
19	2070	1910	788	1290	1430	1450	1120	867	2960	1160	950	1730
20	2070	1910	1200	1390	1270	1430	1090	885	3260	1180	872	1660
21	1930	1890	1290	1410	1310	1390	1040	818	4530	1230	800	1570
22	1810	1890	1410	1430	1360	1410	1040	758	4410	2220	737	1310
23	1740	1870	1430	1460	1290	1410	1040	735	5020	2080	865	1330
24	1740	1830	1480	1530	1120	1340	1030	682	5770	1400	837	1240
25	1700	1830	1500	1580	1020	1310	1140	540	5660	1270	763	1150
26	1700	1810	1470	1550	940	1190	1200	552	5070	1340	691	1050
27	1680	1800	1520	1480	960	1310	1200	599	4610	1150	645	988
28	1680	1850	1390	1350	990	1450	1360	817	5490	1100	657	1090
29	1700	1850	1250	1130	....	1390	1200	898	5180	1030	644	1130
30	1680	1810	1100	810	....	1320	1150	1050	7220	921	619	1240
31	1630	....	1150	720	....	1360	....	1420	....	740	617	....
Mean	1908	1761	1507	1421	1354	1423	1205	857	3967	2360	674	1129
Max.	2240	1930	1780	1930	2690	1890	1480	1420	8180	7040	1100	1730
Min.	1630	1390	788	720	710	1020	1030	540	1510	740	449	581
A.F.	117300	104790	92650	87390	75170	87470	71700	52680	202160	145110	41440	67200

Total acre-feet 1145060.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LEWELLEN
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1780	1890	1850	1050	1500	1130	1480	1190	1850	7970	704	540
2	1830	1900	1870	1050	1550	1050	1450	1150	1810	7330	639	569
3	1890	1930	1880	1190	1460	1130	1560	1120	1670	6910	542	627
4	1990	1910	1900	1240	1560	1130	1540	1090	2020	5810	511	630
5	2120	1950	1940	1260	1700	1130	1570	1060	1790	5110	574	616
6	2240	2080	1960	1300	1290	1100	1440	1020	1840	4810	588	628
7	2320	2240	1950	1440	1040	1130	1400	993	1730	4400	561	637
8	2350	2100	1940	1570	1030	1250	1390	908	1510	3600	545	626
9	2310	2120	1820	1730	980	1660	1440	864	2040	2850	510	670
10	2500	2080	1890	1840	820	1990	1680	867	2740	2840	461	794
11	2290	2020	1910	1950	1050	2160	1570	908	2910	2460	430	1260
12	2130	1910	1880	1930	1400	2100	1440	993	3320	2190	458	1640
13	2110	1910	1820	1840	1840	1970	1400	1030	3440	1850	515	1590
14	2090	1970	1810	1710	2120	1930	1360	1000	3290	1590	468	1640
15	2080	1980	1810	1530	2230	1640	1320	920	3120	1390	514	1660
16	2050	1980	1770	1190	2460	1830	1320	818	2720	1210	671	1730
17	2130	1970	1810	1100	2410	1700	1270	768	2590	1060	1050	1730
18	2180	1990	990	1080	1940	1590	1240	748	3160	1130	956	1670
19	2230	2040	890	1250	1870	1600	1260	776	3300	1060	936	1660
20	2190	2090	1000	1530	1750	1550	1220	770	3360	992	883	1686
21	2130	2080	1180	1590	1780	1490	1210	763	4360	1020	747	1660
22	1980	2030	1330	1640	1570	1500	1220	740	5990	1480	662	1500
23	1920	1990	1410	1620	1810	1520	1210	763	5300	2040	683	1460
24	1890	1980	1390	1760	1630	1510	1210	763	6070	1340	740	1460
25	1860	1990	1490	2020	1400	1520	1230	659	6410	1220	695	1390
26	1820	1950	1700	2210	1210	1480	1230	622	5440	1270	640	1340
27	1840	1950	1740	2330	1170	1490	1200	631	4700	1100	612	1290
28	1850	1510	1780	2010	1150	1540	1390	988	4290	1070	598	1320
29	1930	1880	890	1630	.....	1570	1300	1060	7770	1040	566	1410
30	1920	1850	910	1030	.....	1520	1240	1100	8520	925	566	1480
31	1910	.....	950	1010	.....	1520	.....	1410	.....	814	566	.....
Mean	2055	1989	1599	1536	1572	1530	1360	919	3639	2586	632	1230
Max.	2350	2240	1960	2330	2460	2160	1680	1410	8520	7970	1050	1730
Min.	1780	1850	890	1010	820	1050	1200	622	1610	814	430	540
A.F.	126370	118350	98300	94470	87310	94080	80910	56510	216520	159040	38860	73200

Total acre-feet 1243920.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT KEYSTONE
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	8	5	5	7	6	3	60	100	195	846	1690
2	38	8	6	5	6	6	3	33	96	195	1300	1600
3	90	9	5	5	7	6	3	50	98	195	1530	1520
4	107	9	5	6	8	6	3	45	98	195	1760	1520
5	152	9	6	6	6	6	5	54	100	195	1920	1450
6	60	9	6	6	6	6	3	51	98	195	2260	1580
7	12	74	5	6	6	6	3	51	96	192	2670	1500
8	10	9	11	6	6	6	3	57	94	195	2720	1560
9	10	7	8	6	6	6	3	62	132	192	2350	1620
10	15	12	6	6	7	6	3	78	227	192	1570	1650
11	27	7	6	6	7	5	3	84	198	192	1630	1650
12	9	6	6	6	7	5	3	111	192	195	1870	1630
13	7	5	6	8	7	4	3	125	96	269	1990	1580
14	7	5	6	18	7	13	2	158	94	330	2030	1470
15	7	5	6	7	7	5	2	171	94	663	2440	1440
16	7	5	18	6	7	20	2	171	92	646	2410	1330
17	7	4	27	6	7	5	2	177	92	652	2730	1060
18	7	4	7	6	7	3	2	195	90	686	3010	995
19	8	4	6	6	7	4	2	174	137	760	2880	951
20	7	4	7	6	7	20	2	183	198	652	2600	729
21	7	22	8	7	7	5	2	163	198	652	2360	681
22	7	6	6	7	7	3	2	168	208	596	2340	543
23	22	5	6	7	6	4	3	168	195	430	2420	380
24	69	6	6	7	6	6	3	168	195	380	2420	362
25	44	7	6	8	6	18	3	171	195	376	2340	201
26	12	6	6	7	6	5	2	171	201	394	2120	160
27	10	6	6	7	6	7	3	186	192	380	1860	160
28	10	5	6	7	6	4	3	248	195	380	1840	74
29	16	5	5	7	.....	3	3	122	195	417	1810	71
30	14	5	6	7	.....	3	11	100	195	473	1710	111
31	8	.....	5	7	.....	3	.....	109	.....	488	1700	.....
Mean	26	9	7	7	7	7	3	125	146	386	2111	1042
Max.	152	74	27	18	8	20	11	248	90	760	3010	1690
Min.	7	4	5	5	6	3	2	33	227	192	846	71
A.F.	1610	550	440	420	370	410	180	7660	8710	23710	129790	62020

Total acre-feet 235870.

BUREAU OF IRRIGATION

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT SUTHERLAND
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	185	144	70	80	110	120	95	37	162	83	1530
2	24	190	152	70	80	110	120	112	28	130	236	1530
3	14	190	148	70	100	110	144	106	22	112	632	1540
4	123	190	148	70	120	110	152	106	21	112	845	1430
5	353	200	162	80	130	110	210	109	18	89	1040	1430
6	292	242	148	80	160	110	180	102	17	60	1340	1350
7	353	280	148	90	120	110	166	98	16	33	1530	1520
8	328	280	148	140	130	110	175	98	13	26	1860	1420
9	220	252	148	160	130	130	200	98	17	21	2260	1390
10	210	225	144	170	130	160	230	102	16	21	2330	1490
11	190	185	134	170	130	160	205	116	39	24	1910	1700
12	195	166	126	170	130	170	162	126	274	19	1440	1940
13	195	162	102	180	150	175	144	144	252	19	1440	1810
14	200	166	130	160	160	166	144	123	134	41	1750	1690
15	200	180	152	120	180	157	139	80	83	63	1640	1580
16	200	195	134	90	180	162	139	80	41	152	1870	1500
17	230	195	83	110	120	157	134	112	24	334	2150	1500
18	252	210	98	120	110	134	126	116	33	334	2150	1240
19	247	205	157	120	110	116	120	112	51	316	2720	1120
20	220	200	195	120	110	112	116	109	41	360	2860	1070
21	195	190	180	110	120	116	112	102	98	298	2620	866
22	185	190	185	130	110	134	102	74	274	435	2190	755
23	190	190	185	140	110	134	106	53	230	405	2100	605
24	180	180	157	140	110	134	98	60	162	379	2220	450
25	200	180	152	130	110	139	112	55	139	230	2330	420
26	200	175	152	120	110	144	112	33	112	185	2360	286
27	190	168	152	110	120	145	109	28	109	139	2310	180
28	190	162	50	90	120	152	116	68	83	102	1990	157
29	195	144	60	80	...	144	112	195	130	60	1740	120
30	195	144	70	80	...	134	98	130	175	39	1690	92
31	205	...	70	80	...	126	...	71	...	58	1630	...
Mean	200	194	136	115	124	135	140	97	90	153	1783	1124
Max.	353	280	195	180	180	175	230	195	274	435	2860	1940
Min.	14	144	50	70	80	110	98	26	13	19	83	92
A.F.	12300	11540	8360	7080	6880	8300	8340	5970	5330	9440	109820	66860

Total acre-feet 260020.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT NORTH PLATTE
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	255	452	425	290	320	310	356	266	304	452	261	1700
2	245	439	412	170	400	280	368	261	277	375	245	1820
3	230	439	466	190	430	320	419	304	277	333	452	1610
4	381	439	452	200	400	380	432	288	419	288	704	1550
5	980	459	445	300	320	420	558	299	350	282	832	1470
6	814	536	445	310	390	380	473	288	277	261	1080	1440
7	886	602	445	330	350	470	425	277	266	266	1250	1440
8	952	558	445	360	340	560	486	272	272	277	1440	1520
9	728	572	439	420	420	600	543	272	293	277	1660	1500
10	632	543	432	430	420	632	618	282	387	266	1950	1680
11	588	507	439	440	460	640	572	321	350	250	2160	1920
12	543	479	439	440	470	522	445	381	664	230	1940	2140
13	529	486	432	410	490	412	394	406	305	235	1510	2210
14	507	500	432	350	530	362	375	339	536	400	1510	2070
15	500	515	459	290	540	362	356	332	387	425	1670	1910
16	507	536	459	250	680	394	356	304	333	419	1630	1750
17	565	522	330	260	507	381	350	368	299	595	1780	1670
18	602	500	210	200	381	387	339	362	394	648	2020	1520
19	618	486	270	320	339	375	339	375	459	595	2090	1250
20	543	473	460	400	333	368	327	400	406	632	2420	1210
21	493	473	540	330	394	362	316	350	445	672	2570	1130
22	459	473	590	380	445	394	293	310	704	780	2450	1060
23	459	466	445	460	180	375	288	339	680	788	2260	952
24	459	466	445	460	180	375	288	339	507	680	2170	771
25	459	439	400	460	330	368	288	321	445	572	2170	680
26	459	439	400	460	330	368	288	321	445	572	2170	680
27	432	439	394	440	370	375	277	250	452	466	2270	500
28	452	445	180	360	350	387	321	400	425	368	2210	412
29	466	445	210	240	...	387	368	588	473	288	2090	400
30	459	445	220	230	...	400	299	486	522	261	1870	362
31	459	...	250	180	...	387	...	350	...	261	1750	...
Mean	537	487	405	335	403	410	386	334	428	423	1697	1334
Max.	980	602	590	510	680	640	618	588	805	788	2570	2210
Min.	230	439	180	170	180	280	277	250	266	230	245	362
A.F.	33030	28960	24890	20610	22390	25230	22970	20530	25450	26010	104360	79390

Total acre-feet 433820.

REPORT OF THE STATE ENGINEER

*DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT JULESBURG, COLORADO
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	562	404	500	1450	900	392	442	54	131	24	20	38
2	654	399	491	1410	880	375	455	44	121	25	19	31
3	701	405	494	1380	920	404	458	42	117	28	18	29
4	688	397	494	1360	1300	390	439	42	116	28	20	34
5	655	394	498	1340	1150	341	419	43	110	31	19	30
6	596	386	499	1300	1080	323	415	55	99	32	16	35
7	528	376	478	1170	912	432	414	66	80	28	18	39
8	426	382	423	1080	866	512	408	64	67	27	15	52
9	368	383	366	1050	832	572	411	60	60	23	16	105
10	342	373	346	956	983	608	443	61	53	21	16	93
11	352	373	351	911	1080	655	417	65	52	21	15	299
12	420	381	351	863	1120	691	394	69	48	21	16	345
13	422	373	368	845	973	706	375	68	41	21	17	251
14	419	367	356	819	921	712	381	70	38	18	16	250
15	437	369	226	824	912	711	341	70	37	18	16	190
16	473	384	252	820	620	731	300	69	34	20	17	156
17	459	393	270	864	576	782	232	57	35	20	19	126
18	448	392	300	892	555	723	192	57	35	20	21	108
19	438	396	350	873	558	635	167	59	46	21	20	101
20	437	412	400	821	548	565	139	57	38	20	19	84
21	435	407	520	796	543	583	117	53	41	18	19	80
22	429	401	500	810	540	575	105	51	44	17	22	72
23	421	398	570	899	528	561	95	51	39	17	22	62
24	418	414	630	920	512	550	85	76	40	17	21	52
25	419	442	660	939	505	554	80	125	36	18	25	54
26	416	453	690	911	502	568	71	152	30	19	31	54
27	414	453	820	918	492	581	58	137	30	19	27	53
28	410	464	1100	830	468	538	51	132	29	18	34	53
29	405	474	1630	780	...	510	48	135	28	19	42	53
30	402	499	1540	830	...	482	49	130	25	20	47	80
31	407	...	1480	890	...	464	...	143	...	19	42	...
Mean	465	405	579	986	778	556	267	76	56	22	22	100
Max.	701	499	1630	1450	1300	782	458	152	131	32	47	345
Min.	342	367	226	780	468	323	48	42	25	17	15	29
A.F.	28570	24090	35610	60600	43190	34170	15870	4690	3360	1320	1360	5930

Total acre-feet 258800.

*Not published in the Twenty-Sixth Biennial Report.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT JULESBURG, COLORADO
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	121	357	188	216	356	833	97	1820	9230	617	47
2	71	121	356	239	300	383	767	112	2150	7820	425	45
3	78	128	356	272	344	390	597	117	2440	6650	264	45
4	84	130	356	277	376	379	507	96	2750	5680	189	42
5	87	142	353	265	366	406	435	87	2920	4620	148	44
6	93	153	353	283	406	457	345	73	3460	3380	118	44
7	128	165	357	300	316	428	292	72	3450	2650	94	46
8	134	184	338	310	186	388	293	66	2690	2360	81	46
9	128	210	330	315	242	365	274	62	2070	2700	75	49
10	128	265	327	331	290	353	338	67	1480	2250	70	52
11	126	293	330	351	359	348	409	67	1210	1860	65	78
12	126	310	332	362	326	335	521	63	1270	1470	65	125
13	123	307	328	332	520	315	598	59	1410	1270	62	117
14	121	316	334	265	688	312	583	52	1570	1190	54	123
15	122	312	340	212	608	307	495	46	1940	1060	53	181
16	124	378	338	183	525	306	458	44	2370	903	53	231
17	127	371	325	180	485	345	420	43	3080	737	51	290
18	134	394	311	194	407	377	397	41	4030	615	52	302
19	130	392	324	232	378	417	391	43	4500	514	55	280
20	129	392	334	299	365	457	361	42	4550	432	58	274
21	129	390	341	348	359	484	284	82	4530	391	58	257
22	129	374	345	366	345	415	212	197	5250	1490	58	246
23	126	379	345	398	334	522	163	146	5250	1120	53	212
24	124	383	342	453	329	646	130	121	5310	1160	57	183
25	121	381	335	513	319	750	108	145	5560	1320	56	174
26	121	375	338	492	302	727	88	183	6030	1510	53	167
27	121	371	345	478	309	703	77	192	7750	1920	54	158
28	124	367	325	431	320	716	114	276	12000	2080	53	145
29	124	369	171	382	...	742	101	644	12000	1740	49	135
30	122	365	158	267	...	782	89	780	11000	1270	47	130
31	119	...	168	198	...	807	...	1130	...	894	47	...
Mean	117	295	322	314	369	475	356	169	4195	2332	105	142
Max.	134	394	357	513	688	807	833	1130	12000	9230	617	302
Min.	69	121	158	180	186	306	77	41	1210	391	47	42
A.F.	7180	17530	19800	19280	20470	29190	21180	10400	249600	143400	6450	8470

Total acre-feet 553000.

BUREAU OF IRRIGATION

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT PAXTON
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	59	139	142	8	9	6	8	6	29	11500	110	32
2	56	137	120	8	10	8	8	6	150	9810	43	31
3	56	137	84	8	11	9	8	6	369	7980	32	29
4	60	139	78	8	10	10	8	6	499	6660	23	28
5	78	147	80	10	10	10	9	6	764	5160	19	26
6	89	157	80	11	10	10	7	6	1180	3940	18	18
7	110	163	48	12	10	9	7	6	1520	2810	17	14
8	127	169	60	12	7	9	7	6	1500	2080	17	12
9	122	180	50	12	12	9	7	6	1230	1540	15	15
10	115	189	41	12	11	9	8	6	884	1690	14	27
11	122	202	22	14	12	8	8	6	596	1380	14	34
12	124	222	16	14	12	8	8	6	574	1060	13	59
13	129	150	8	11	12	7	7	6	474	715	13	87
14	129	150	9	9	12	6	8	6	378	494	12	93
15	137	212	9	8	17	6	8	6	382	299	12	91
16	137	299	10	10	137	7	8	6	510	144	12	102
17	139	275	10	9	267	7	8	6	750	137	12	110
18	144	287	10	10	100	7	8	6	1160	48	10	115
19	147	271	12	10	28	7	8	6	1990	44	22	139
20	147	240	16	9	18	7	8	6	2770	34	62	163
21	147	240	28	9	17	7	8	6	3280	30	52	174
22	150	226	18	10	17	8	8	6	3420	25	47	186
23	150	206	32	10	14	8	8	6	3610	25	46	186
24	150	196	14	11	14	8	8	6	3790	60	46	177
25	150	186	12	13	10	8	8	5	3680	32	46	163
26	155	160	10	12	8	8	7	5	3630	78	44	155
27	150	157	10	14	8	8	7	5	4050	202	44	147
28	150	152	7	28	10	8	8	8	4750	356	42	147
29	147	157	10	13	...	8	7	8	10400	562	39	150
30	147	155	8	18	...	8	6	7	12100	530	36	144
31	144	...	7	10	...	8	6	7	...	316	34	...
Mean	125	191	34	11	29	8	8	6	2347	1927	31	95
Max.	155	299	142	28	267	10	9	8	12100	11500	110	186
Min.	56	137	7	8	7	6	6	5	29	25	10	12
A.F.	7670	11370	2100	700	1610	490	480	370	139660	118500	1920	5660

Total acre-feet 290510.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT NORTH PLATTE
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	181	255	223	90	130	200	122	97	148	11500	465	120
2	173	241	223	100	150	170	122	103	140	10200	317	116
3	165	250	218	110	160	160	148	110	158	8610	218	113
4	218	246	218	110	120	120	144	115	388	7100	172	116
5	434	255	218	110	140	140	185	112	498	5700	152	110
6	344	300	218	110	140	120	185	110	712	4350	144	106
7	394	295	205	140	110	140	177	118	1020	3220	144	110
8	434	289	205	180	120	137	185	115	1300	2530	144	110
9	368	333	214	160	120	140	193	115	1330	2010	136	116
10	333	328	201	150	130	140	193	110	1360	1650	128	136
11	333	300	189	130	140	137	214	115	1060	1670	128	154
12	355	333	165	140	170	137	210	118	1080	1430	124	236
13	362	350	154	160	190	130	218	112	1000	1160	128	227
14	290	333	128	120	190	110	201	101	806	991	124	200
15	275	306	130	140	160	130	173	101	660	735	124	200
16	275	338	140	130	165	134	134	103	593	544	124	209
17	275	381	134	180	205	128	125	108	608	423	120	214
18	275	374	120	180	280	134	125	105	822	366	120	218
19	275	441	151	170	246	134	134	115	1190	290	120	209
20	280	469	130	150	181	130	137	130	1780	245	116	227
21	290	469	130	130	181	130	128	120	2600	222	124	250
22	280	441	134	140	158	137	118	125	3800	255	132	260
23	285	374	130	150	151	140	118	134	4040	222	132	270
24	285	333	130	160	165	137	120	140	4320	196	152	270
25	260	338	118	162	169	130	122	134	4660	192	156	275
26	260	344	110	134	189	122	125	122	4610	176	148	265
27	260	300	110	137	205	125	125	112	4640	196	148	265
28	255	265	100	151	218	130	125	151	4900	260	140	250
29	270	214	50	150	...	125	122	185	5540	378	132	236
30	270	228	70	80	...	120	110	177	10600	579	124	245
31	270	...	90	120	...	120	...	158	...	608	120	...
Mean	291	324	153	138	167	135	151	122	2216	2194	153	195
Max.	434	469	223	180	280	200	218	185	10600	11500	465	275
Min.	165	214	50	80	110	110	110	97	140	176	116	106
A.F.	17900	19270	9430	8450	9290	8300	9000	7480	131890	134890	9430	11630

Total acre-feet 376990.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT BRADY
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	97	198	204	190	380	110	191	189	176	10000	180	840
2	93	195	204	360	340	130	194	180	158	9580	183	898
3	90	192	208	330	280	170	268	174	153	8240	173	850
4	137	191	204	360	260	170	261	168	256	6070	167	715
5	665	189	193	400	250	150	285	160	245	4900	207	703
6	734	215	194	330	180	150	292	154	218	3750	287	669
7	809	260	194	370	140	160	263	154	239	2610	437	601
8	945	255	194	360	150	180	279	160	201	1900	474	543
9	641	241	190	310	240	180	359	165	185	1150	670	847
10	478	230	186	280	180	200	427	170	396	795	844	799
11	374	230	191	250	160	230	418	171	249	780	1030	1100
12	312	230	190	240	210	240	358	183	528	451	1250	1170
13	272	240	189	230	230	210	309	200	674	313	992	1270
14	243	255	194	210	250	200	267	180	523	270	602	1250
15	230	260	194	190	290	150	238	185	358	394	575	927
16	215	274	194	140	310	180	222	192	283	336	706	1050
17	230	290	176	150	290	230	206	200	238	351	814	904
18	255	284	170	150	250	214	187	181	269	272	992	902
19	279	272	180	140	190	198	184	192	268	251	1260	897
20	274	263	220	170	190	201	180	176	259	227	1490	717
21	256	255	220	200	200	197	186	163	451	225	1680	546
22	237	244	220	160	200	197	180	153	5020	248	1790	447
23	233	238	240	160	170	204	214	157	4730	244	1750	325
24	230	238	229	190	130	201	204	164	3980	259	1580	953
25	224	229	259	200	150	201	193	153	3670	246	1340	823
26	216	225	234	200	160	200	182	149	3470	215	1410	746
27	213	218	221	190	170	209	180	155	3400	198	1370	682
28	213	218	150	160	130	205	178	240	3080	189	1330	498
29	216	213	110	110	...	195	212	268	3130	216	1410	416
30	208	213	120	50	...	191	199	226	5360	199	1310	495
31	205	...	120	100	...	189	...	194	...	172	1070	...
Mean	317	235	193	222	217	188	244	179	1406	1776	948	803
Max.	945	290	259	400	380	240	427	268	5360	10000	1790	1270
Min.	90	189	110	50	130	110	178	149	153	172	167	416
A.F.	19490	13990	11880	13650	12060	11590	14500	11020	83640	109190	58260	47770

Total acre-feet 407040.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT COZAD
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	281	318	200	120	120	252	300	119	7220	152	175
2	49	263	288	660	200	110	268	266	92	10300	101	114
3	49	240	308	650	290	120	469	269	73	9240	69	71
4	73	285	311	540	390	130	430	246	70	7580	33	44
5	1450	315	286	570	480	130	447	259	94	5520	27	21
6	1350	346	302	500	510	210	421	232	104	4340	42	18
7	1520	392	302	450	420	230	448	227	116	3020	93	17
8	2690	374	299	460	400	250	456	251	111	2180	167	16
9	1550	354	283	470	420	270	530	245	87	1550	264	16
10	1250	341	277	470	510	260	580	248	108	1160	306	49
11	779	353	274	430	560	320	600	236	169	1050	154	171
12	593	326	287	350	610	381	590	263	415	858	156	370
13	507	383	291	310	550	346	550	272	498	634	201	715
14	432	403	307	290	610	332	510	272	471	676	99	859
15	397	422	323	280	570	272	460	257	384	552	57	860
16	391	457	296	300	460	302	420	261	252	541	46	694
17	409	434	186	270	460	337	380	296	184	904	27	675
18	387	455	150	290	420	359	340	283	256	750	17	618
19	387	468	410	300	359	367	320	309	214	550	67	628
20	390	445	690	310	280	354	300	285	205	430	254	570
21	400	414	699	320	293	317	300	234	222	411	352	498
22	389	358	466	420	355	331	300	203	5840	579	391	388
23	348	353	359	360	320	338	310	209	10000	482	415	350
24	341	358	327	320	200	325	320	160	5670	422	544	520
25	332	323	299	320	130	290	311	139	4350	409	575	584
26	327	340	300	381	120	279	294	126	3890	381	332	524
27	308	348	300	363	120	299	283	121	3750	347	353	512
28	309	340	250	312	120	292	292	172	3450	305	302	464
29	309	331	240	260	...	279	319	240	3260	246	290	358
30	306	323	230	120	...	268	323	189	3460	215	355	325
31	304	...	200	120	...	261	...	149	...	197	365	...
Mean	593	361	318	368	367	274	394	233	1597	2034	214	374
Max.	2690	466	699	660	610	381	600	309	10000	10300	575	860
Min.	49	240	150	120	120	110	252	121	70	197	17	18
A.F.	36470	21470	19560	22600	20380	16820	23450	14310	95040	125060	13140	22260

Total acre-feet 430560.

BUREAU OF IRRIGATION

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DISCHARGE IN SECOND-FEET, PLATTE RIVER AT OVERTON
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	625	896	1330	1100	1270	1590	1430	1260	764	3640	1260	277
2	625	998	1710	1060	980	1260	1450	838	957	9320	1190	764
3	708	998	1710	1030	930	1300	1710	690	820	12600	916	856
4	875	1080	1350	960	860	1340	1740	528	1040	10600	936	856
5	3410	978	1430	740	830	1420	1850	1080	1450	8480	936	856
6	2540	1060	1580	1010	1100	1380	998	1080	1450	5530	957	690
7	3840	1170	1380	1240	1230	1350	1190	957	1260	4760	782	514
8	4800	1150	1020	1240	1020	1300	1630	896	746	3680	727	690
9	4050	1220	916	1160	760	1290	1740	820	1190	2960	708	520
10	4440	1000	1260	1050	910	1680	2150	708	1600	2780	485	782
11	3560	1400	1260	1020	1080	1940	2150	429	1680	2680	727	727
12	2780	1400	1450	800	1110	2060	2090	625	2030	2410	916	641
13	1970	1080	1350	1660	1200	1790	1530	1040	2030	1260	746	625
14	1580	1150	1480	1200	1300	1880	1680	1080	1880	2150	609	746
15	1400	1190	1040	1250	1400	1630	1940	596	1120	2180	625	936
16	1300	1120	1350	1510	1300	1400	1790	801	1380	1680	443	1150
17	1710	978	1850	1510	1550	1530	1930	764	1530	1820	216	998
18	1020	1280	1770	1150	1660	1660	1480	443	1580	2030	485	1300
19	1170	1170	2180	780	1640	1630	1600	838	1240	2150	727	1260
20	708	1260	2120	790	1690	1680	1080	856	1430	1300	708	1100
21	1240	1280	2090	810	1240	1710	1300	764	1530	1580	727	658
22	1350	1350	2120	1600	1190	1710	1660	936	8180	1880	916	978
23	1430	1380	1600	1550	1080	1300	1820	1040	13900	1850	1100	1260
24	1430	1400	1020	1410	1810	1680	1400	782	13500	1660	916	1450
25	1350	1660	577	1500	1980	1850	1240	609	7940	1580	875	1660
26	1400	1630	708	1280	1980	1710	936	560	5880	1600	978	1770
27	856	1170	1280	1480	1840	1710	609	875	5230	820	856	1910
28	1350	1060	1700	1770	1870	1660	1100	1530	4850	1300	801	1300
29	1350	1190	1700	1960	.....	1550	1480	1060	3680	1660	820	1580
30	1500	1400	1700	1640	.....	957	1580	544	3720	1770	936	1550
31	1150	.....	1700	1710	.....	1280	.....	674	.....	1400	528	.....
Mean	1855	1203	1475	1257	1315	1556	1529	839	3188	3262	792	1024
Max.	4800	1660	2180	1960	1980	2060	2150	1530	13900	12600	1260	1910
Min.	625	896	577	740	760	957	609	429	746	820	216	277
A.F.114080	71600	90710	77300	73010	95770	91010	51580	189690	200550	48700	60980	

Total acre-feet 1164850.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ODESSA
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	416	976	1330	1550	1500	2200	1330	1520	976	4600	1300	376
2	443	858	1620	850	1200	2110	1300	956	878	6020	1380	313
3	402	1029	1910	850	1400	2080	1720	858	976	11500	1190	695
4	610	898	1350	850	1410	1390	1800	820	1040	11200	917	712
5	2810	1020	1300	850	1540	1500	2520	730	1280	8960	995	642
6	7530	995	1520	850	1500	1480	1830	1420	1350	7320	1120	532
7	6460	1040	1370	1370	1320	1420	1300	1120	1120	5180	995	402
8	7590	976	1210	1440	1240	1390	2070	1100	1080	4390	712	140
9	6510	1100	730	1400	1150	1370	2070	917	712	3400	695	348
10	5680	900	995	1450	1000	1360	2620	976	1400	3290	501	548
11	4910	1020	1170	1310	1220	1770	2430	820	1600	3220	362	898
12	3550	1640	1350	1230	1340	2100	2190	324	2490	2710	695	782
13	2780	1420	1280	1130	1450	2170	1930	765	2130	2020	748	548
14	2160	1210	1400	1600	1560	1910	1120	878	1990	2650	660	501
15	1850	1370	1120	1380	1630	1650	1850	936	1800	3220	532	548
16	1700	1700	730	1700	1710	1630	1830	898	1330	2520	532	782
17	1960	1470	2090	1680	1660	1640	1540	898	1830	2070	389	898
18	1850	1300	2090	1400	1730	1780	1620	765	1930	2840	177	875
19	898	1440	2090	1110	1800	1790	1720	578	1520	2020	402	1060
20	1190	1260	2090	1040	1610	1800	1620	995	1700	1850	486	1100
21	820	1230	2090	1340	1620	1850	1060	858	2190	1350	486	995
22	1120	1190	2090	1400	1210	1830	1620	1100	15900	2100	516	532
23	1120	1500	1960	1520	1010	1930	1670	995	19600	1960	532	1060
24	1170	1600	1280	1410	900	1620	1500	1020	20100	1930	712	1330
25	1060	1540	1040	1330	1980	1750	1150	820	14100	1830	642	1400
26	1100	1720	712	1330	2040	1750	995	470	9140	1600	594	1540
27	1170	1330	1170	960	1960	1830	782	878	6860	1500	625	1640
28	820	1190	1730	1360	2270	1620	486	1570	5970	782	548	1640
29	1100	956	1730	1800	.....	1600	898	1570	5040	1400	625	1170
30	1280	1120	1730	1800	.....	1500	1420	782	4480	1620	748	1620
31	1150	.....	1730	1800	.....	1260	.....	594	.....	1540	820	.....
Mean	2362	1236	1484	1326	1499	1712	1600	933	4417	3503	696	854
Max.	7590	1720	2090	1800	2270	2200	2620	1570	20100	11500	1330	1640
Min.	402	898	712	850	900	1260	486	324	712	782	177	140
A.F.145210	73520	91250	81560	83230	105280	95190	57380	262830	215390	42820	50840	

Total acre-feet 1304500.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT GRAND ISLAND
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	803	1360	1180	130	1000	1700	1100	1160	859	3670	1180	348
2	599	1140	1200	190	990	1600	1030	1220	716	3670	1050	348
3	540	972	1380	270	960	1500	1650	1080	915	3920	785	312
4	649	993	2020	440	990	1600	1850	733	896	8640	766	273
5	1430	993	1670	560	1000	1600	2280	699	822	10000	616	263
6	2480	1450	1340	900	1300	1700	2710	749	785	8530	386	312
7	7560	1500	1450	950	1300	1600	2340	682	852	6860	481	312
8	7830	1360	1620	1100	1200	1700	1960	886	893	4760	555	283
9	8150	1360	1430	1100	910	1900	2220	896	915	3960	451	224
10	8420	1670	1250	1500	800	1900	3070	915	1030	3170	312	150
11	6910	1340	1120	1600	850	1900	2940	840	733	2940	244	283
12	5810	1650	1380	1500	920	2100	2580	822	1960	2710	199	733
13	4470	1780	1400	1600	1200	2400	2310	649	2710	2370	167	896
14	3380	2080	1380	1500	1600	2500	2220	466	2280	2280	199	682
15	2460	1670	1520	1400	2000	2600	1720	878	1880	1850	253	438
16	2020	2100	1550	1500	2100	2800	1550	933	1670	2100	244	335
17	1940	2460	1010	1400	2200	2600	1940	1120	1380	2280	167	335
18	1910	2370	230	1400	2300	3200	1800	1050	1700	1670	109	425
19	2020	2160	370	1500	2000	3400	1700	993	1960	1550	73	466
20	1450	2160	660	1600	1900	3000	1620	840	1700	1720	53	451
21	1250	1830	1400	1700	1700	2250	1520	666	1650	1600	29	555
22	1180	1750	1700	1400	1700	1880	1400	915	2790	1270	16	555
23	1200	1650	2100	1600	1700	1700	1270	840	12800	1600	20	555
24	1310	1720	2370	1900	1500	1700	1600	915	17900	1750	33	438
25	1310	1670	1910	2200	1200	1450	1620	896	17400	1780	114	632
26	1290	1620	1480	2100	1000	1340	1450	822	12400	1620	293	859
27	1250	1800	1160	2000	1300	1620	1340	716	8520	1340	361	1030
28	1310	1750	649	1600	1700	1650	1200	803	6600	1290	302	1030
29	1270	1360	632	1400	....	1600	1080	1340	5510	993	374	1080
30	1220	1250	450	1100	....	1520	972	1430	4800	840	361	1010
31	1380	....	150	1000	....	1360	....	1120	....	1120	361	....
Mean	2736	1632	1263	1296	1404	1973	1801	906	3908	3028	340	520
Max.	8420	2460	2370	2200	2300	3400	3070	1430	17900	10000	1180	1080
Min.	540	972	150	130	800	1340	972	466	716	840	16	150
AF.	168200	97130	77670	79880	77990	121300	107200	55700	232500	186200	20930	30970

Total acre-feet 1255000.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT DUNCAN
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	953	1500	1440	340	1100	1800	1830	758	2120	6820	845	156
2	912	1620	1230	270	940	2100	1830	782	2470	5240	1010	170
3	665	1530	1310	230	720	2100	1790	1070	1920	4870	1060	176
4	560	1360	1530	230	680	2100	2140	1100	1660	4810	845	186
5	845	1210	1500	240	740	2000	2390	899	1480	8710	676	182
6	1130	1660	2140	290	850	2000	2760	621	1380	10200	580	71
7	1960	1810	1870	350	1000	2000	3170	621	1260	9070	459	29
8	6140	1850	1720	430	1200	1900	3020	610	1180	7300	372	14
9	7540	1770	1720	510	1300	1900	2860	758	1310	5380	358	10
10	8840	1920	1740	760	1200	2000	3600	953	1480	4610	318	13
11	8660	2120	1590	1100	1200	2100	4610	926	1500	3820	255	156
12	7340	1590	1210	1400	1300	2000	4240	845	1910	3300	225	267
13	6550	2100	1260	1600	1600	2000	3820	832	2500	3020	237	225
14	5620	2240	1360	1700	1800	2100	3380	782	3070	2810	225	318
15	4550	2720	1440	1600	2200	2200	2900	654	3200	2700	186	350
16	3220	2760	1600	1400	2500	2400	2540	560	2760	2370	181	311
17	2700	2760	940	1400	2600	2600	1830	1040	2540	2520	176	267
18	2470	2720	780	1800	2700	2800	1910	1210	2610	3200	146	208
19	2320	2580	1100	1800	2600	3300	1870	1180	2740	2740	110	192
20	2430	2560	990	1600	2500	4400	1720	1070	2650	2450	71	249
21	2390	2300	1100	1500	2200	3970	1720	926	2560	2700	42	261
22	1640	2280	1300	1500	2100	3100	1720	745	2650	2430	22	279
23	1700	2080	2800	1600	2000	2470	1850	687	3310	2140	8	380
24	1440	1790	2900	1500	2000	2260	1380	832	12900	1790	10	372
25	1620	1750	2930	1700	2000	2160	1600	758	20500	2020	74	358
26	1820	1890	2740	1800	1900	2060	1660	782	20800	2020	71	344
27	1590	1700	2450	2000	1700	1770	1600	770	16800	1910	47	520
28	1530	1620	1100	1900	1500	2020	1340	995	13200	1750	102	632
29	1530	1750	700	1500	....	2060	1360	1150	10600	1360	160	720
30	1510	1530	580	1600	....	2180	1070	1270	8560	1120	151	886
31	1310	....	430	1400	....	1940	....	1570	....	745	160	....
Mean	3019	1969	1532	1195	1648	2316	2317	895	5124	3740	296	275
Max.	8840	2760	2930	2000	2700	4400	4610	1570	20600	10200	1060	886
Min.	560	1210	430	230	680	1770	1070	560	1180	745	8	10
AF.	185600	117200	94210	73490	91500	142400	137900	55050	304900	229900	18210	16370

Total acre-feet 1467000.

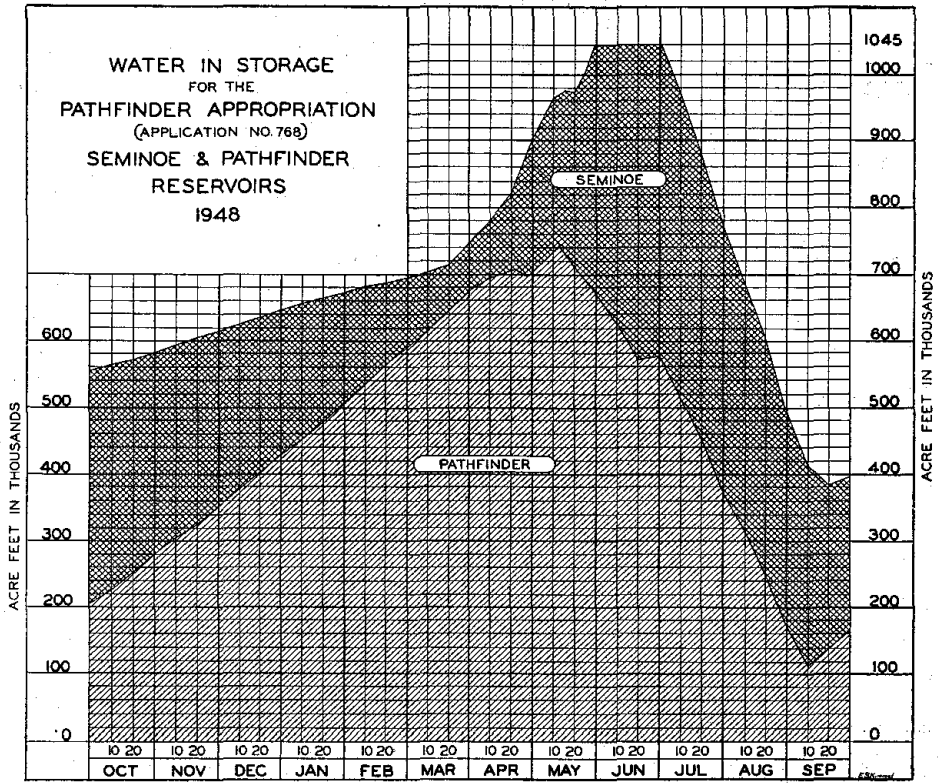
BUREAU OF IRRIGATION

475

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ASHLAND
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3010	4460	6440	1000	2100	4100	5940	5740	14200	23700	4000	2000
2	3310	4290	5980	920	2100	3800	5780	5390	26600	19600	3200	1900
3	2870	5080	4790	920	2100	4000	5780	5420	23500	15200	2900	1900
4	3130	4860	4790	940	2900	4500	6020	4940	23200	13100	2930	1900
5	3250	4020	6190	1200	3300	4800	6960	5230	22900	11100	2560	1900
6	3590	4970	5820	1400	3700	5200	8630	4640	20000	13400	2610	1900
7	12960	6950	5940	1600	3200	5300	8050	4790	18800	16500	2400	1950
8	13360	7140	5980	1800	3600	4800	9770	4080	17300	15000	1800	1880
9	17300	7360	6060	2200	4000	5200	8820	3790	11900	13300	1680	1330
10	18000	8150	5700	2500	4400	5700	12000	3850	11100	11000	1650	1750
11	18200	6650	6060	2500	4200	5400	13000	3590	11100	9930	1680	1260
12	16400	6740	5980	2600	4400	6000	13000	3850	22100	9420	1700	1500
13	13000	7220	5780	2700	4200	6700	11900	3920	44500	9020	1700	2500
14	11300	7360	5390	3400	3900	7300	11200	4120	32200	7910	1800	3500
15	10800	6920	4970	3100	4000	8300	10700	5080	24400	7960	1900	4000
16	9930	8480	5200	3200	4400	8680	10300	5740	19300	7450	1950	3500
17	10000	10400	5980	3900	5700	8870	8870	10700	15600	6960	2000	2840
18	9980	10400	2600	4400	7800	8870	8920	6780	16500	7400	1800	2750
19	8920	9770	3100	4200	10300	8820	8530	6440	18100	7220	1560	2700
20	8100	8290	4000	4400	11000	9070	8480	5360	21600	8820	1730	2500
21	7050	7500	3700	4800	11000	11100	7320	4940	18800	8050	1850	2300
22	7180	7320	3500	4800	10000	15400	6740	5980	18300	8200	1700	2100
23	6440	7320	4250	5100	8500	13000	6740	6230	43300	7180	1560	2000
24	6270	7090	4680	5300	7100	9980	6570	5860	60800	6230	1560	2000
25	6230	6960	9980	6000	5400	9570	6480	4940	73600	5420	1650	2000
26	7180	5420	7910	6400	5200	7270	6440	3720	54400	5620	1440	2000
27	5860	6270	7400	6000	4900	7000	6150	3370	41900	6100	1370	2100
28	5200	6780	4400	4400	4300	6570	6610	4900	30800	5580	1900	2100
29	4570	6190	2700	4400	....	6570	5500	5120	28900	5270	1920	2100
30	5270	6480	1400	3200	....	6270	6310	5740	28400	5000	2000	2300
31	4710	....	1000	2300	....	6310	....	7540	....	4600	2160	....
Mean	8492	6875	5086	3277	5275	7240	8250	5219	27153	9717	2021	2215
Max.	18200	10400	9980	6400	11000	15400	13000	10700	73600	23700	4000	4000
Min.	2870	4020	1000	920	2100	3800	5500	3370	11100	4600	1370	1260
AF.	522100	409100	312700	201500	293000	445200	490900	320900	1618000	597500	124300	131800

Total acre-feet 5465000.



FR-100

BUREAU OF IRRIGATION

CONTENTS IN ACRE-FEET, SEMINOLE STORAGE RESERVOIR
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	870040	817150	779460	735840	680960	622250	590290	654190	845140	947090	873540	794890
2	867940	816650	777830	733990	678930	620100	590050	658410	854640	946150	870890	792110
3	865830	815150	776210	732300	676910	617970	590420	662640	863360	945590	868440	789500
4	863730	813970	774750	731360	674750	615710	591570	666190	872130	945590	865810	786570
5	862330	812800	773470	729540	672600	613450	591960	669030	880960	945210	863360	785430
6	860220	811460	772390	727550	670460	611470	592600	673320	887050	941090	861280	783640
7	858120	810120	771380	725720	668460	610280	592600	673320	887050	941090	859160	780560
8	856050	808780	769970	723900	667180	608040	592600	675470	904270	938840	859160	777650
9	853980	808280	768050	722080	665050	605810	592730	678350	910620	936420	856900	774750
10	852080	806620	766140	720710	662930	603590	592850	681110	916100	933810	854470	772020
11	850180	805640	764390	719950	660520	601380	593240	684170	921600	931950	851870	769620
12	849140	803820	762630	717980	657990	599430	592860	686350	926210	928610	849270	766970
13	847410	802500	761040	716020	655580	597620	592340	687250	931770	925290	846520	766260
14	845510	801020	760400	714210	653350	596460	591830	688690	934550	921970	843940	763400
15	843610	799860	758650	712250	651950	594270	591440	690150	936600	919210	843420	760700
16	841890	799370	756920	710150	649580	592340	591700	692940	937720	916650	840680	758020
17	840000	797720	755350	708200	647350	590550	592980	695880	938090	914800	837600	755180
18	838380	796400	753790	707150	645130	588880	595690	700310	938470	912810	834360	752980
19	837280	794920	752370	705210	642920	587480	600210	706260	938840	910440	831130	752510
20	835240	793600	750940	703130	640580	586200	606730	713760	940150	907710	827910	750310
21	833200	792290	750310	701050	638530	585820	613320	722830	940150	904630	825200	748120
22	831160	790800	748900	698980	637300	584810	619300	733530	941080	901550	823510	745620
23	829460	789990	747180	697200	635520	584810	625340	745150	942210	898480	820480	743280
24	827590	788050	745930	695290	633480	586710	632110	756910	942960	895780	817290	740940
25	826060	786260	745460	694110	631440	588630	639630	768020	943330	893990	814280	738930
26	825380	784640	744370	691620	629400	589900	643750	777650	943520	890760	811100	737370
27	824020	784160	743280	689270	627370	591260	646520	7788190	944460	887190	807780	736450
28	822680	782700	742650	687230	625480	592080	647910	800490	945400	883620	804790	734990
29	821010	781240	740940	685480	624260	591960	649020	812100	946720	880250	803630	731070
30	819670	780910	738930	683580	.....	591440	650690	823850	947470	876710	806650	728160
31	818330	.....	737070	681980	.....	590800	.....	835730	.....	873890	797850	.....

Record furnished by the United States Bureau of Reclamation.

CONTENTS IN ACRE-FEET, PATHFINDER STORAGE RESERVOIR
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	205210	289060	353760	430390	510050	591830	675970	706000	666430	577880	362210	163120
2	208000	285090	359570	432700	512350	594850	679030	708390	662380	574800	353850	158990
3	210690	287620	359660	435610	515160	597720	682110	711570	658370	570030	348290	150920
4	213330	290100	362480	438910	518240	600610	684420	715090	654520	563970	340590	144650
5	215570	292580	364940	439250	521320	603500	687360	718460	650980	561390	335610	137060
6	218230	295220	367320	442010	524300	606270	690610	721840	647100	548490	330980	129530
7	221170	298000	369060	444580	527170	608840	692800	725240	643350	541610	329820	123150
8	224030	300620	371360	447160	529290	611420	694200	728820	639430	533920	324850	118460
9	226780	302440	374240	449750	532040	614480	695920	730940	634060	526970	320790	115260
10	229310	305010	377150	452350	535170	617440	696710	733710	627580	517130	317720	118580
11	231930	307420	379780	454200	538320	620570	696860	737320	620860	508350	313000	118320
12	234140	309820	382520	456820	541490	623430	698280	741110	613780	500330	306920	119830
13	236440	312320	384990	459680	544660	626000	699530	743420	606550	492450	300700	122130
14	239030	314590	386720	462430	547590	628150	700630	741930	599370	485730	293700	125070
15	241630	316700	389020	465310	549900	630890	701260	737480	592110	479690	284770	128090
16	244060	318310	391630	468090	552360	633770	701890	731750	584770	474140	277100	131110
17	246360	320610	394050	470980	555350	636530	702370	725400	578690	469320	270090	134040
18	248960	323110	396890	473020	558080	639140	703000	719200	575700	464420	263430	136580
19	250930	325720	399540	475380	560820	641600	704100	714770	573210	459460	256770	138230
20	253120	328330	402000	478100	563830	643930	705680	710610	571350	453220	249760	140290
21	255740	330960	404080	480830	566860	645980	707270	705840	569900	446080	242550	142750
22	258450	333520	406480	483450	569500	648190	708700	707090	570160	438290	234210	145300
23	261260	335450	409280	486080	572410	650830	709020	694510	571220	430700	226440	147710
24	264100	337830	411680	488500	575470	653780	708070	689840	572280	422810	219140	150110
25	266670	340770	413580	490580	578560	656450	705370	686890	573330	414380	211880	152450
26	268640	343530	415690	493390	581660	659110	702680	684570	574670	406780	204840	153370
27	270680	345580	417820	496550	584500	662230	700630	681490	575330	399730	197730	155000
28	273090	347550	419750	499620	587070	663860	698430	679340	576270	393180	190770	157450
29	275640	349890	422000	502260	589380	666430	699220	677960	577750	386570	182760	160360
30	278180	351600	425680	505230	.....	669900	702370	675050	578560	378180	175660	163390
31	280720	.....	428100	508110	.....	672770	.....	670500	.....	371000	169240	.....

Record furnished by the United States Bureau of Reclamation.

CONTENTS IN ACRE-FEET, ALCOVA STORAGE RESERVOIR
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	109390	109480	109330	109180	109300	109610	110440	175210	178190	178190	177950	178780
2	109390	109500	109350	109200	109300	109630	110450	175110	178310	178330	178050	176240
3	109370	109500	109370	109200	109310	109630	110470	175020	178520	178330	178780	175630
4	109390	109500	109370	109220	109310	109630	110490	174950	178590	178420	179250	174950
5	109390	109500	109370	109220	109310	109650	110510	174880	178490	178400	179540	174180
6	109370	109500	109370	109220	109310	109650	110530	174790	178330	178400	179510	173940
7	109370	109500	109350	109240	109330	109670	111640	174740	178260	178380	179180	175110
8	109370	109480	109330	109240	109330	109690	113530	174670	178260	178520	178800	176120
9	109370	109460	109330	109260	109330	109690	115590	174600	178350	178850	178470	176240
10	109370	109440	109310	109260	109330	109690	119460	174510	178450	179230	178190	173200
11	109370	109430	109300	109280	109350	109690	121430	174510	178710	179090	178400	164210
12	109370	109410	109280	109280	109350	109730	123380	174290	178450	178540	178470	155780
13	109350	109390	109280	109260	109370	109760	125360	175290	178260	178350	178330	153170
14	109350	109370	109280	109260	109370	109760	129270	177300	178260	178350	178330	153170
15	109350	109370	109280	109240	109390	109800	127300	178450	178260	178350	178330	153170
16	109350	109350	109280	109240	109390	109800	129270	177300	178260	178350	178330	153170
17	109330	109350	109260	109260	109390	109820	131250	177810	178350	178520	178260	150790
18	109330	109330	109240	109260	109430	109840	133230	178310	178520	178590	178160	148430
19	109310	109330	109220	109260	109430	109870	135170	178120	178560	178380	177980	146100
20	109310	109330	109200	109260	109430	109890	137120	178120	178490	178190	177930	143730
21	109310	109310	109200	109280	109460	109930	139080	178070	178520	178380	177930	140840
22	109440	109310	109180	109300	109500	109930	141070	178070	178750	178680	177860	137490
23	109500	109310	109160	109300	109540	110080	144620	178070	178870	178970	177950	134520
24	109500	109300	109160	109300	109560	110290	149840	178160	178780	179020	178070	132720
25	109500	109280	109150	109300	109590	110320	155450	178240	178610	178870	178160	132120
26	109500	109280	109150	109300	109610	110320	161040	178260	178560	178710	178190	132000
27	109500	109280	109150	109280	109610	110340	166520	178450	178470	178520	178160	131860
28	109500	109300	109150	109280	109610	110340	172020	178450	178350	178900	178050	131740
29	109500	109300	109160	109280	109610	110360	174880	178380	178240	178900	177840	131700
30	109500	109310	109180	109280	.....	110400	175300	178350	178070	178610	177530	131700
31	109480	.....	109180	109280	.....	110400	.....	178450	.....	178310	177250	.....

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
OUTFLOW OF ALCOVA RESERVOIR

Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	3	3	3	3	3	3	25	3350	1080	5270	4850
2	3	3	3	3	3	3	3	36	3550	2710	5140	4850
3	3	3	3	3	3	3	3	21	3290	3380	4720	4830
4	3	3	3	3	3	3	3	16	3110	3830	4060	4810
5	3	3	3	3	3	3	3	28	3110	4660	3520	4810
6	3	3	3	3	3	3	3	26	3110	5060	3190	4490
7	3	3	10	10	3	3	3	13	3110	5060	3080	3720
8	3	10	10	3	3	3	3	17	3370	5320	3080	3130
9	3	10	3	3	3	3	3	22	3970	5480	3080	2800
10	3	10	10	3	3	3	3	33	4530	5500	3100	2800
11	3	5	5	3	3	3	3	13	4720	5500	3690	2500
12	3	10	10	3	3	3	3	13	4740	5500	4340	2280
13	3	10	3	10	3	3	3	601	4740	5480	4340	2130
14	3	10	3	3	3	3	3	2160	5000	5140	4760	1300
15	3	3	3	10	3	3	3	3640	5100	4510	4930	1210
16	3	10	3	3	3	3	3	4140	5100	4240	4930	1200
17	3	3	10	3	3	3	3	4770	4260	3710	4930	1200
18	3	10	10	3	3	3	3	4890	2720	3500	4930	1200
19	3	3	10	3	3	3	3	4360	2210	3870	4930	1200
20	3	3	10	3	3	3	3	4150	1990	4410	4930	1200
21	3	10	3	3	3	3	3	4450	1990	4830	4930	1490
22	3	3	10	3	3	3	3	4600	1480	5170	4910	1820
23	3	3	10	3	3	3	3	4600	906	5290	4910	1520
24	3	5	3	3	3	3	3	4100	561	5310	4910	572
25	3	10	5	3	3	3	3	3190	566	5320	4910	332
26	3	3	3	3	3	3	3	2740	572	5340	4910	48
27	3	3	3	10	3	3	3	2840	572	5340	4910	56
28	3	3	3	3	3	3	3	2780	572	4770	4890	42
29	3	3	3	3	3	3	3	2280	572	5340	4890	17
30	3	3	3	3	3	3	3	2610	578	5360	4890	5
31	3	3	3	3	3	3	3	3060	.....	5360	4890	.....
Mean	3	5	5	4	3	3	3	2140	2780	4690	4480	2080
Max.	3	10	10	10	3	3	3	4890	5100	5500	5270	4850
Min.	3	3	3	3	3	3	3	13	561	1080	3080	5
A. F.	184	325	331	226	173	184	178	131360	165520	288340	275510	123790

Total acre-feet 986120.

BUREAU OF IRRIGATION

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DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
INFLOW OF GUERNSEY RESERVOIR
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	633	276	298	147	206	343	480	1270	2580	860	5220	4800
2	596	254	353	96	181	278	464	1420	2980	961	5480	4820
3	459	282	328	247	232	291	438	1300	3190	914	6090	4820
4	402	286	342	273	217	264	404	1130	3470	1240	5820	4780
5	272	321	238	291	217	263	534	982	3350	2640	4960	4760
6	287	206	349	257	206	266	517	946	3090	3420	4340	4820
7	328	263	322	372	206	223	368	897	3060	4050	3870	4940
8	299	256	232	397	216	282	475	857	3060	4580	3560	4630
9	225	286	198	418	206	239	469	768	3010	4660	3260	4060
10	301	374	234	339	186	215	453	770	3140	4940	3060	3430
11	247	202	167	378	182	230	509	733	3620	5200	3210	3080
12	280	242	181	301	171	230	384	637	4170	5370	3180	2900
13	287	297	213	222	186	310	449	598	4490	5310	3440	2790
14	323	232	229	242	206	314	557	473	4800	5490	4150	2630
15	267	181	251	197	151	410	360	203	4560	5390	4230	2510
16	298	238	226	237	191	758	478	530	4840	5100	4470	2270
17	265	237	264	234	288	928	501	1570	4980	4500	4760	1720
18	170	271	261	153	485	852	643	3970	4870	4340	4790	1270
19	349	132	266	263	713	1470	722	4440	4430	4110	4810	1430
20	219	278	222	130	546	2100	961	5170	3160	3670	4760	1530
21	260	123	290	278	411	1460	989	4370	2710	3740	4790	1460
22	252	125	247	239	454	882	892	4330	2470	4130	4840	1450
23	208	114	278	291	363	1170	1000	4500	2470	4560	4750	1420
24	362	168	258	200	264	1300	1060	4700	2470	4940	4790	1540
25	288	238	261	247	360	878	1300	4450	2100	5160	4710	1790
26	246	384	277	197	365	699	1140	4260	1610	5150	4750	1730
27	327	312	220	184	414	910	1150	3670	1470	5170	4850	1440
28	279	393	306	104	394	786	1040	3410	1400	5200	4850	981
29	324	317	272	251	376	800	995	2910	1140	5170	4810	537
30	249	353	273	186	...	638	1080	3040	977	4750	4870	1010
31	458	...	162	207	...	550	...	2830	...	5050	4780	...
Mean	315	255	259	244	296	656	694	2300	3120	4190	4520	2710
Max.	633	393	353	418	713	2100	1300	5170	4980	5490	6090	4940
Min.	170	114	162	96	151	215	360	203	977	860	3060	537
A. F.	19360	15160	15900	15030	17040	40340	41280	141210	185390	257390	278190	161360

Total acre-feet 1187650.

CONTENTS IN ACRE-FEET, GUERNSEY STORAGE RESERVOIR
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12700	29310	37990	45270	44350	47300	44760	22960	22970	39320	32180	30720
2	13830	29760	38490	45180	44300	47060	43530	23740	22570	34650	33530	31020
3	14690	30210	38900	45390	44350	46850	42320	24310	22910	29900	36580	31390
4	15440	30680	39340	45710	44370	46590	41060	24520	23690	25690	39620	31790
5	15920	31120	39640	45990	44390	46320	40040	24450	24260	23330	41240	32320
6	16440	31290	40220	46220	44390	46060	38950	24310	24400	21520	42320	33270
7	17040	31870	40570	46430	44390	45710	37620	23960	24080	20040	43050	35640
8	17580	31950	40800	46690	44410	45430	36430	23490	22580	19580	43160	38340
9	17990	32180	40950	46990	44410	45200	35210	22860	20990	19130	42410	40110
10	18530	32680	41130	47040	44370	44880	33946	21870	18370	19100	40800	40780
11	18970	32840	41180	46970	44320	44800	32800	20270	18970	19600	38490	41130
12	19480	33080	41180	47040	44250	44320	31430	18530	18660	20460	35640	41180
13	20000	33430	41220	46950	44210	44190	30170	16480	17020	21190	33170	41000
14	20590	33650	41290	46780	44210	44070	29090	13820	17610	22910	32100	40440
15	21080	33780	41420	46520	44100	44140	27570	10510	18140	29550	31200	39690
16	21620	34020	41580	46340	44070	44900	26280	7790	19450	29050	30720	38450
17	22090	34250	41820	46150	44230	45850	25050	6870	22810	31060	30570	36070
18	22380	34540	42110	45800	44780	46150	24090	8340	27330	32720	30450	32820
19	23010	34560	42360	45670	45760	47020	23300	9730	31570	33270	30390	29800
20	23390	34870	42620	45270	46430	49100	23010	11950	33620	32240	30250	27060
21	23830	34870	42840	45160	46830	49830	22730	12150	34710	30560	30150	24590
22	24290	34870	43050	44970	47320	49080	22280	12410	35750	29240	30150	22630
23	24660	34830	43320	44880	47630	49150	22060	13270	37640	28550	29930	21260
24	25330	34920	43550	44740	47490	49390	21970	15590	40060	28460	29800	20730
25	25830	35290	43870	44620	47510	48750	22340	18770	42040	28880	29520	20960
26	26150	35810	44210	44600	47540	48040	22380	21820	43050	29450	29410	21260
27	26680	36190	44410	44530	47540	47730	22460	23360	43780	30150	29540	21740
28	27130	36730	44780	44390	47510	47210	22430	24450	44370	30860	29780	22540
29	27680	37110	45040	44390	47440	47040	22350	24790	44000	31390	29980	22910
30	28080	37560	45300	44350	...	46660	22460	24860	42680	31100	30290	24790
31	28880	...	45300	44350	...	45850	22680	24380	...	31450	30490	...

Record furnished by the United States Bureau of Reclamation.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
OUTFLOW OF GUERNSEY RESERVOIR

Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	51	81	162	206	414	1030	1010	3280	2540	4840	4670
2	18	26	101	141	206	399	1080	1010	3160	3290	4780	4650
3	18	46	121	141	207	397	1050	998	3010	3290	4540	4610
4	18	42	120	112	207	395	1040	998	3060	3340	4280	4560
5	18	99	87	150	207	399	1050	1010	3050	3800	4130	4480
6	18	120	57	141	206	397	1070	1010	3000	4320	3780	4340
7	18	122	146	266	206	399	1040	1050	3210	4780	3490	3740
8	18	115	116	266	206	398	1080	1080	3650	4800	3490	3260
9	18	120	122	267	206	380	1080	1080	4100	4870	3610	3160
10	18	122	143	314	206	376	1090	1260	4300	4950	3850	3080
11	18	121	142	413	207	371	1080	1530	4320	4930	4350	2890
12	18	121	181	266	206	372	1080	1570	4320	4930	4590	2860
13	18	121	193	267	206	376	1080	1620	4300	4930	4670	2860
14	18	121	194	328	206	374	1106	1800	4240	4610	4670	2900
15	18	115	185	328	206	375	1100	1860	4280	3840	4670	2870
16	18	117	145	328	206	375	1110	1900	4170	3520	4690	2890
17	18	121	143	330	207	449	1100	2030	3280	3470	4820	2900
18	18	125	115	329	208	701	1110	3220	2580	3490	4840	2900
19	18	122	140	329	219	1030	1110	3720	2290	3800	4820	2930
20	18	122	141	332	208	1050	1100	4040	2120	4170	4820	2900
21	18	123	129	334	209	1090	1110	4260	2150	4560	4820	2690
22	18	125	141	335	207	1260	1110	4190	1940	4780	4820	2430
23	18	134	142	336	207	1140	1100	4060	1510	4690	4840	2100
24	18	123	142	271	335	1180	1090	3520	1230	4960	4840	1800
25	34	51	100	307	350	1200	1100	2840	1090	4930	4840	1670
26	83	122	106	207	350	1060	1110	2710	1090	4840	4800	1560
27	54	121	119	219	414	1070	1100	2890	1080	4800	4760	1190
28	46	121	120	220	409	1050	1040	2860	1090	4840	4710	566
29	42	125	141	206	411	886	1010	2740	1310	4870	4690	350
30	43	126	142	206	...	830	1010	3000	1620	4870	4690	56
31	47	...	162	207	...	958	...	3060	...	4850	4670	...
Mean	25	108	133	260	242	682	1080	2260	2790	4350	4520	2800
Max.	83	134	194	413	414	1260	1110	4360	4320	4960	4840	4670
Min.	18	26	57	112	206	371	1010	998	1080	2540	3490	56
A.F.	1550	6430	8170	15980	13950	41950	64190	138700	166280	267490	278100	166340

Total acre-feet 1169130.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT WYOMING-NEBRASKA STATE LINE

Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	535	470	593	515	558	674	618	549	1030	528	1480	1320
2	556	470	587	515	570	707	586	556	1270	618	1540	1340
3	549	480	587	495	564	721	602	556	1420	1060	1640	1330
4	514	480	581	505	526	700	528	542	1370	1050	1540	1320
5	507	485	564	520	558	694	494	542	1330	1080	1410	1320
6	500	485	564	515	575	721	494	535	1250	1150	1350	1290
7	488	500	564	558	570	707	507	507	1130	1300	1200	1310
8	482	515	548	570	558	721	528	482	1070	1470	1050	1150
9	470	526	548	570	553	749	500	470	1120	1520	990	930
10	476	542	548	587	593	798	470	452	1220	1580	1020	890
11	470	548	526	593	425	660	470	435	1310	1580	1140	880
12	464	548	536	540	420	760	458	430	1380	1480	1250	870
13	464	548	548	510	450	763	482	410	1370	1450	1310	830
14	470	542	564	520	500	770	452	390	1330	1590	1290	821
15	505	548	575	536	540	791	464	386	1310	1390	1290	840
16	505	553	593	510	575	862	476	446	1310	1170	1270	850
17	510	553	593	480	564	870	476	521	1470	970	1270	840
18	510	553	599	520	570	840	507	549	1230	880	1320	830
19	500	548	599	490	570	892	556	890	803	860	1370	803
20	475	548	581	570	593	1060	618	1100	704	920	1370	850
21	461	510	587	668	599	1170	650	1240	634	1050	1370	870
22	485	475	587	668	635	1230	618	1410	704	1170	1400	880
23	495	495	575	680	635	1320	634	1500	840	1260	1390	920
24	490	490	570	674	593	1330	650	1470	758	1370	1390	880
25	490	520	570	620	605	1380	695	1210	695	1610	1410	910
26	490	553	570	580	654	1410	677	758	634	1530	1440	930
27	475	548	570	575	668	1350	650	642	570	1450	1420	950
28	500	553	570	593	674	1320	626	626	542	1440	1360	930
29	495	570	564	648	680	1090	578	740	528	1450	1340	794
30	475	575	570	575	...	900	549	848	528	1440	1340	776
31	470	...	558	558	...	731	...	1010	...	1450	1330	...
Mean	493	524	571	563	572	926	554	716	1029	1254	1332	982
Max.	556	575	599	680	680	1410	695	1500	1470	1610	1640	1340
Min.	461	470	526	480	420	660	452	386	528	528	990	776
A.F.	30300	31200	35090	34650	32880	56910	32950	44020	61210	77090	81900	58420

Total acre-feet 576620.

BUREAU OF IRRIGATION

NORTH PLATTE RIVER AT GERING
CHANNEL SPILL—Sec. 9-23-58 W.

Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	230	15	11	12	7
2	240	16	12	12	7
3	300	17	15	12	7
4	270	17	15	13	7
5	218	16	15	12	7
6	170	16	16	10	7
7	161	16	16	10	8
8	189	15	17	10	8
9	181	15	17	8	8
10	127	16	17	8	8
11	15	17	16	7	7
12	12	18	15	6	7
13	11	18	14	7	7
14	10	18	15	7	6
15	9	18	16	6	6
16	9	18	14	6	5
17	10	21	13	6	5
18	10	19	12	6	4
19	11	15	11	6	4
20	13	14	11	6	4
21	13	14	11	7	4
22	14	14	12	7	4
23	13	14	14	7	4
24	13	13	15	7	4
25	11	13	16	7	4
26	14	12	15	7	4
27	18	12	14	7	4
28	14	12	12	7	4
29	14	11	11	7	5
30	14	11	11	7	5
31	14	11	12	7	5
Mean	76	15	14	8	6
Max.	300	21	17	13	8
Min.	9	11	11	6	4
A.F.	4670	910	860	490	340

Total acre-feet 7270.

NORTH PLATTE RIVER BELOW TRI-
STATE DAM—Sec. 10-23-58 W.

Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	126	69	32	130	32
2	110	238	32	176	64
3	104	327	39	264	73
4	78	230	29	220	62
5	67	168	27	120	65
6	52	75	28	84	81
7	38	25	31	37	158
8	38	20	80	22	131
9	36	16	73	20	38
10	35	35	110	20	27
11	35	79	99	21	62
12	33	98	38	28	83
13	33	139	38	27	55
14	25	113	291	24	30
15	22	127	462	20	23
16	23	156	279	19	21
17	23	498	123	18	18
18	24	473	66	19	17
19	28	216	59	35	16
20	65	156	57	35	23
21	39	77	56	30	34
22	182	114	55	36	64
23	415	247	92	30	77
24	501	204	156	30	37
25	296	156	300	56	120
26	83	116	226	70	171
27	66	80	152	62	174
28	59	46	112	64	163
29	58	38	81	42	127
30	58	38	74	33	356
31	58	..	80	29	..
Mean	91	146	109	61	80
Max.	415	498	462	264	356
Min.	22	16	27	18	16
A.F.	5570	8680	6700	3610	4760

Total acre-feet 29320.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MITCHELL

Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	916	828	902	689	804	1020	974	606	333	428	415	329
2	1040	822	896	689	810	1040	916	581	437	424	556	356
3	1050	822	870	733	782	1060	876	576	716	482	626	385
4	1010	810	870	750	755	1020	858	526	646	586	695	372
5	980	804	876	760	744	968	822	491	551	546	586	368
6	942	834	870	772	777	1010	794	455	473	424	711	389
7	935	834	870	810	788	994	766	410	318	360	611	464
8	922	864	834	852	766	1000	772	381	258	308	546	596
9	896	902	828	846	772	1010	766	311	232	322	526	487
10	896	902	777	846	750	942	738	294	222	337	487	437
11	876	909	772	833	621	902	711	248	252	381	402	441
12	858	902	772	833	556	909	689	227	286	337	364	536
13	858	896	804	876	668	987	673	206	360	304	352	531
14	870	883	846	840	794	1080	678	184	360	834	348	482
15	1020	883	852	883	883	1060	646	272	393	1390	348	419
16	928	870	858	883	890	1120	657	272	636	1090	344	385
17	864	870	846	858	876	1150	657	266	1870	858	325	385
18	828	864	858	870	896	1170	668	195	2050	678	314	377
19	794	864	858	834	942	1150	700	167	1550	551	314	377
20	744	876	834	822	916	1300	750	148	1340	441	333	473
21	733	858	828	896	883	1400	799	184	1130	406	311	482
22	755	794	828	948	896	1470	804	294	1290	344	314	531
23	799	799	828	968	974	1590	788	482	1720	352	318	760
24	804	804	828	980	935	1700	909	782	1500	402	308	733
25	816	834	828	948	935	1630	1010	688	1220	561	325	750
26	834	883	828	870	955	1730	876	322	922	601	372	858
27	828	909	816	799	975	1650	946	204	744	473	402	846
28	890	902	816	728	1000	1640	782	266	591	402	372	870
29	890	896	810	755	1020	1500	673	245	521	344	352	858
30	870	896	788	777	..	1310	596	283	464	333	337	974
31	846	..	788	799	..	1130	..	311	..	337	325	..
Mean	880	860	836	834	840	1214	771	350	730	504	417	542
Max.	1050	909	902	850	1020	1730	1010	782	2050	1390	711	974
Min.	733	794	772	689	556	902	596	148	222	304	308	329
A.F.	54130	51200	51390	51270	48320	74660	45900	21530	46380	31010	25660	32230

Total acre-feet 533680.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MINATARE
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1300	1150	1220	1080	1090	1250	1280	883	661	764	449	403
2	1480	1150	1250	1040	1080	1270	1140	863	648	716	653	409
3	1450	1150	1240	1080	1100	1270	1080	840	796	643	740	431
4	1420	1140	1240	1080	1090	1270	1050	818	908	707	872	444
5	1410	1130	1220	1080	1060	1240	1010	748	833	746	826	454
6	1360	1160	1200	1100	1070	1250	977	653	762	615	1040	492
7	1360	1160	1190	1110	1080	1260	936	577	654	480	1020	627
8	1340	1190	1170	1150	1070	1260	933	527	511	379	918	850
9	1350	1220	1130	1140	1080	1280	936	452	424	393	841	877
10	1340	1260	1110	1140	1090	1260	925	500	352	377	734	753
11	1360	1270	1070	1160	965	1190	887	435	338	374	654	735
12	1330	1290	1030	1160	908	1170	875	332	344	377	581	746
13	1300	1300	1060	1180	942	1240	862	332	369	355	506	778
14	1350	1290	1080	1130	974	1360	884	254	436	1320	459	751
15	1400	1300	1080	1120	1100	1400	854	246	500	2230	475	733
16	1350	1300	1090	1100	1150	1370	838	275	715	1804	457	683
17	1280	1280	1080	1090	1160	1420	840	295	2400	1510	420	661
18	1220	1280	1100	1090	1180	1450	842	270	1860	1270	370	688
19	1190	1270	1110	1060	1200	1440	851	204	1650	1100	366	716
20	1160	1270	1120	1040	1220	1500	911	155	1420	888	368	855
21	1120	1230	1110	1060	1220	1680	957	164	1230	753	379	835
22	1140	1180	1110	1120	1240	1760	1020	487	1500	629	373	854
23	1250	1150	1150	1150	1280	1860	1010	524	1820	558	398	1160
24	1240	1150	1170	1200	1230	2010	1110	1150	1630	490	359	1190
25	1270	1200	1180	1200	1240	1980	1360	1020	1500	510	360	1210
26	1260	1230	1160	1190	1230	2030	1130	806	1340	659	416	1280
27	1230	1270	1180	1130	1230	2010	1030	581	1210	616	517	1310
28	1210	1240	1150	1080	1240	1970	995	552	1120	535	538	1320
29	1210	1210	1150	1110	1230	1890	918	565	976	490	564	1400
30	1190	1200	1170	1120	1170	1650	881	682	855	442	476	1390
31	1170	1150	1100	1100	1100	1450	877	691	625	429	420	835
Mean	1292	1221	1144	1116	1129	1498	977	545	992	747	566	835
Max.	1480	1300	1250	1200	1280	2030	1360	1150	2400	2230	1040	1400
Min.	1120	1130	1030	1040	908	1170	838	155	338	355	359	403
A.F.	79420	72630	70310	68610	64960	92110	58160	33480	59030	45930	34810	49680

Total acre-feet 729130.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT BRIDGEPORT
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1660	1580	1660	1480	1050	1600	1670	1150	960	1220	649	719
2	1920	1600	1630	1470	1160	1540	1540	1180	901	1230	739	730
3	1890	1640	1620	1460	1270	1550	1470	1170	850	1010	1040	764
4	1840	1670	1630	1430	1390	1580	1410	1190	941	1030	1300	735
5	1810	1640	1660	1400	1360	1580	1320	1110	931	1260	1360	680
6	1770	1600	1630	1420	1320	1590	1270	968	877	1070	1640	703
7	1730	1530	1630	1460	1370	1540	1200	919	813	897	1780	826
8	1730	1530	1660	1480	1340	1550	1140	816	660	702	1590	1280
9	1660	1580	1660	1520	1380	1500	1110	788	651	638	1690	1390
10	1620	1670	1600	1490	1420	1490	1100	862	592	579	1480	1290
11	1550	1640	1570	1540	1290	1400	1060	770	538	530	1210	1310
12	1520	1660	1570	1570	1200	1370	1100	667	535	532	1070	1390
13	1480	1640	1500	1460	1230	1460	1160	556	549	524	946	1460
14	1480	1640	1550	1470	1430	1620	1200	444	577	819	793	1400
15	1600	1670	1590	1470	1530	1700	1190	389	633	2840	754	1340
16	1840	1750	1590	1460	1780	1660	1140	365	739	2480	751	1280
17	1750	1780	1580	1430	1660	1660	1110	371	2490	2070	678	1210
18	1700	1780	1570	1480	1630	1730	1100	344	2550	1820	590	1160
19	1670	1780	1590	1460	1600	1730	1090	308	2230	1640	545	1140
20	1660	1710	1600	1490	1590	1700	1110	285	2020	1490	540	1280
21	1630	1640	1620	1500	1580	1780	1170	256	1870	1480	548	1460
22	1620	1600	1620	1470	1570	1910	1200	498	2040	1220	543	1490
23	1710	1500	1620	1470	1530	2050	1230	751	2670	1160	562	1910
24	1700	1530	1530	1470	1530	2180	1290	937	2450	970	564	2010
25	1740	1670	1470	1470	1500	2270	1600	1500	2200	875	557	2060
26	1770	1710	1420	1470	1470	2180	1520	1130	1850	943	609	2160
27	1750	1730	1430	1440	1490	2180	1350	946	1780	943	647	2200
28	1710	1680	1440	1300	1480	2160	1290	799	1580	869	709	2060
29	1710	1680	1470	930	1500	2160	1260	789	1370	738	721	1980
30	1710	1680	1540	980	1500	2030	1200	860	1270	673	801	2030
31	1630	1550	1550	985	1840	1840	866	866	639	639	763	835
Mean	1695	1650	1574	1417	1438	1751	1253	773	1341	1126	909	1382
Max.	1920	1780	1660	1570	1780	2270	1670	1500	2670	2540	1780	2200
Min.	1480	1500	1420	930	1050	1370	1060	256	535	524	540	680
A.F.	104250	98200	96790	87120	82690	107680	74580	47550	79770	69210	55870	82230

Total acre-feet 985940.

BUREAU OF IRRIGATION

483

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LISCO
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1790	1840	1920	1520	1020	1730	1910	1420	849	1340	584	673
2	2040	1910	1910	1580	1200	1740	1760	1380	898	1250	696	673
3	2110	1990	1910	1740	1380	1710	1700	1380	849	1220	1310	684
4	2010	2090	1890	1700	1380	1700	1600	1360	898	1100	1320	673
5	1960	1980	1840	1680	1430	1840	1580	1320	1040	1140	1370	684
6	1920	1940	1910	1680	1460	1820	1570	1250	1000	1240	1440	765
7	1880	1890	1940	1730	1400	1810	1510	1190	911	1000	1540	937
8	1880	1920	1940	1730	1460	1800	1480	1140	765	873	1620	1150
9	1880	1900	1940	1730	1230	1750	1440	1060	730	777	1550	1320
10	1860	1900	1840	1700	1570	1550	1460	1060	684	639	1520	1420
11	1880	1900	1760	1730	1520	1200	1400	1000	562	540	1370	1320
12	1890	1900	1620	1710	1290	1450	1360	898	488	508	1280	1320
13	1860	1900	1680	1620	1330	1800	1340	742	488	551	1160	1340
14	1880	1980	1730	1650	1600	2000	1320	662	684	730	1000	1370
15	1980	1990	1760	1740	1690	2160	1340	584	708	1420	898	1400
16	2060	1990	1760	1620	1680	2110	1270	530	789	2540	849	1370
17	2030	1980	1660	1570	1710	2060	1140	477	2100	2240	801	1300
18	1860	1960	1680	1630	1720	2110	1190	435	2880	2010	673	1190
19	1790	1980	1680	1680	1780	2100	1240	416	2730	1840	628	1280
20	1780	1990	1660	1660	1880	2080	1270	416	2520	1700	606	1370
21	1760	1890	1660	1730	1790	2060	1490	416	2340	1600	551	1440
22	1810	1810	1620	1700	1600	2150	1430	416	2320	1510	540	1460
23	1980	1730	1650	1730	1480	2180	1490	573	2620	1370	498	1810
24	1990	1790	1660	1760	1570	2220	1460	989	2880	1250	477	2160
25	1980	1890	1680	1780	1600	2250	1600	1090	2450	1040	519	2220
26	1960	1980	1680	1780	1650	2380	1790	1240	2180	950	617	2110
27	1920	1990	1630	1150	1710	2250	1630	976	2030	924	650	2100
28	1910	1960	1630	890	1700	2290	1480	861	1890	849	777	2110
29	1880	1980	1630	780	1710	2250	1420	765	1780	696	813	2060
30	1920	1980	1620	790	.....	2200	1430	813	1540	673	777	2110
31	1860	.....	1650	860	.....	2040	.....	898	.....	628	742	.....
Mean	1913	1930	1746	1560	1536	1961	1470	899	1487	1166	941	1394
Max.	2110	2060	1940	1780	1880	2380	1910	1420	2880	2540	1620	2220
Min.	1760	1730	1620	780	1020	1200	1140	416	488	508	477	673
A.F.	117600	114840	107370	95900	88340	120580	87470	55254	88470	71700	57870	82950

Total acre-feet 1083844.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT OSHKOSH
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1520	1810	1850	1720	1210	1950	2090	1420	810	1210	554	646
2	1830	1800	1910	1550	1560	1950	1970	1370	858	1040	632	625
3	2080	1830	1950	1600	1750	1870	1800	1300	901	1010	977	625
4	1990	2070	2050	1700	1630	1930	1740	1230	866	935	1120	584
5	1830	2070	2010	1750	1440	1930	1700	1270	1020	831	1410	601
6	1810	2070	2010	1700	1560	1930	1700	1180	1030	1010	1510	655
7	1660	2050	2070	2000	1580	1920	1610	1070	1080	935	1510	751
8	1570	1990	1970	1990	1550	1910	1560	1020	838	865	1590	942
9	1650	1930	1970	1760	1520	1900	1500	955	759	822	1510	1160
10	1680	1950	1850	1700	1490	1600	1590	955	618	674	1590	1290
11	1700	1970	1700	1720	1270	1170	1500	1080	545	582	1420	1320
12	1720	1910	1630	1680	1100	1500	1380	1040	530	540	1240	1300
13	1700	1870	1610	1430	1130	1800	1390	940	471	545	1140	1340
14	1740	1910	1870	1290	1460	2000	1320	749	512	772	1080	1380
15	1810	1950	1850	1390	1940	2200	1320	636	815	873	896	1330
16	1930	2030	1740	1320	2230	2180	1390	622	757	2380	749	1260
17	2090	1990	1660	1240	2300	2090	1390	568	1490	2530	763	1240
18	2070	1930	1760	1290	2320	2050	1310	473	2150	2260	747	1170
19	1950	1950	1780	1340	2190	2090	1220	376	2620	1960	651	1240
20	1800	2050	1700	1280	1910	2090	1150	330	2560	1760	611	1260
21	1770	1850	1660	1330	2450	2070	1190	293	2350	1580	548	1360
22	1740	1610	1680	1300	1980	2110	1190	274	2340	1520	523	1480
23	1910	1500	1720	1300	1950	2220	1290	265	2420	1410	491	1660
24	1970	1570	1740	1230	1870	2280	1410	594	2750	1190	479	1960
25	1950	1850	1760	1230	2040	2400	1500	972	2550	1060	503	2210
26	1950	1850	1780	1200	2260	2580	1700	1270	2170	887	575	2170
27	1930	1930	1810	1050	2050	2380	1660	1090	2050	814	649	2120
28	1890	1930	1850	830	2010	2380	1500	1010	1990	817	660	2060
29	1890	1850	1870	755	1990	2300	1410	985	1770	672	715	2060
30	1890	1810	1810	800	.....	2280	1430	879	1520	539	686	2160
31	1890	.....	1720	1000	.....	2170	.....	838	.....	527	699	.....
Mean	1836	1898	1817	1402	1784	2040	1487	873	1444	1115	910	1332
Max.	2090	2070	2070	2000	2450	2580	2090	1420	2820	2530	1590	2210
Min.	1520	1500	1610	755	1100	1170	1150	265	471	527	479	584
A.F.	112900	112820	111750	86230	102620	125410	89080	53560	85950	68530	55970	79260

Total acre-feet 1084180.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LEWELLEN
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1630	1930	2130	1780	1220	2290	2130	1540	838	1570	664	704
2	1820	1920	2090	1570	1580	2340	2010	1630	793	1410	747	682
3	2130	1960	2090	1660	1710	2360	1870	1470	922	1330	1200	634
4	2200	2030	1930	1740	1520	2410	1810	1380	946	1290	1350	634
5	2080	2030	1930	1800	1330	1700	1780	1330	966	1210	1280	645
6	2050	2050	1930	2040	1260	1650	1720	1280	1140	1240	1330	738
7	1950	1960	1930	2090	1440	1600	1650	1200	1010	1380	1340	819
8	1910	1960	1930	2070	1370	1500	1560	1120	904	1140	1550	994
9	1900	1980	1930	1930	1390	1400	1510	1100	797	980	1710	1130
10	1910	2110	1930	1870	1320	1200	1530	1060	703	842	1620	1320
11	1890	2100	1930	1830	1300	1000	1540	1100	629	695	1550	1420
12	1900	2110	1930	1730	1060	1150	1500	1090	608	656	1340	1370
13	1920	2130	1930	1620	870	1500	1480	977	499	669	1280	1340
14	1920	2100	1930	1290	860	1800	1470	838	548	778	1280	1340
15	2010	2090	1930	1360	1140	2100	1430	752	918	873	1080	1320
16	2090	2060	1930	1440	1740	2400	1410	677	849	1780	812	1310
17	2250	2060	1930	1420	2350	2350	1350	610	1080	2670	740	1290
18	2160	2060	1930	1330	3040	2400	1350	481	2160	2320	705	1260
19	2040	2080	1930	1540	3470	2380	1340	390	3140	2070	708	1240
20	1960	2200	1930	1430	2760	2320	1320	385	2990	1870	592	1300
21	1950	2050	2010	1350	2180	2260	1340	351	2800	1710	586	1380
22	1950	1500	2080	1620	2630	2290	1380	328	2690	1630	541	1470
23	2030	1000	2310	1530	2970	2410	1460	313	2830	1520	502	2000
24	2100	1100	2200	1220	2490	2460	1670	454	2950	1290	462	2110
25	2150	1200	1890	1590	2460	2520	1720	900	3030	1140	479	2250
26	2180	2990	1890	1420	2350	2640	1800	1140	2620	998	560	2230
27	2170	2770	1890	1160	2120	2650	1830	1160	2420	895	634	2200
28	2050	2660	1890	815	2180	2520	1630	973	2200	983	618	2200
29	2040	2350	1890	840	2230	2490	1540	876	2030	955	697	2150
30	2030	2220	1860	885	.....	2430	1500	780	1810	697	707	2140
31	2040	.....	1890	975	.....	2350	.....	808	.....	678	695	.....
Mean	2014	2026	1966	1508	1874	2093	1588	919	1567	1267	947	1387
Max.	2250	2990	2310	2090	3470	2650	2130	1630	3140	2670	1710	2250
Min.	1630	1000	1890	815	860	1000	1320	313	499	656	462	634
A.F.	123850	120580	120890	92720	107780	128670	94470	56520	95050	77890	58230	82550

Total acre-feet 1159200.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT KEYSTONE
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	152	90	6	6	748	5	4	1170	430	318	1410	1060
2	160	90	5	5	748	4	4	1150	426	407	1200	1180
3	208	90	5	5	754	4	5	1140	426	735	646	1170
4	280	94	5	5	853	4	5	1150	421	741	330	972
5	276	90	5	5	860	4	5	1230	398	839	302	972
6	273	94	5	5	860	5	5	1150	385	1140	368	988
7	273	109	5	5	1200	5	58	1170	368	1340	435	972
8	273	94	5	5	1180	5	6	1190	314	1360	426	825
9	273	92	4	5	1180	6	4	1170	310	1350	624	538
10	273	96	5	5	1100	6	29	1160	295	1060	825	528
11	295	65	5	5	1070	6	17	1160	291	972	832	308
12	280	25	5	5	1010	6	10	1070	322	958	853	581
13	280	22	5	5	1020	6	334	748	322	972	723	802
14	284	22	5	5	1020	6	786	618	318	1050	640	624
15	280	26	5	5	1030	6	1180	533	299	1070	564	342
16	288	17	6	5	338	6	1140	483	284	1200	528	334
17	288	12	5	5	171	6	1150	426	362	1210	618	440
18	288	8	5	6	36	6	1180	503	342	1180	663	152
19	291	5	5	5	10	6	1190	710	330	1180	741	211
20	295	6	6	5	7	6	1170	909	398	1180	799	342
21	299	10	5	5	7	6	1180	1020	359	1290	972	201
22	295	6	6	5	7	5	1190	806	326	1520	1060	156
23	291	18	6	5	7	5	1180	464	330	1740	1060	89
24	299	18	6	5	7	4	1230	407	372	2280	1420	157
25	273	16	5	5	7	4	1220	398	322	2980	1720	185
26	295	12	7	5	7	45	1200	503	252	2850	1510	244
27	276	9	7	5	58	6	1020	640	299	2870	1260	262
28	142	6	6	6	32	3	958	663	310	2930	1000	342
29	90	6	6	6	7	3	965	812	314	2340	958	355
30	92	6	6	6	151	3	1010	710	322	1890	972	355
31	96	6	6	6	881	5	.....	445	.....	1640	995	.....
Mean	250	42	5	38	529	6	848	829	342	1438	853	523
Max.	299	109	7	881	1200	45	1230	1230	430	2980	1720	1180
Min.	90	5	4	5	7	3	4	398	252	318	302	89
A.F.	15390	2490	330	2340	30410	390	38550	50990	20320	88450	52470	31110

Total acre-feet 333240.

BUREAU OF IRRIGATION

485

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT SUTHERLAND
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	74	112	139	100	380	175	134	845	472	280	1690	669
2	71	123	134	110	400	157	130	983	398	236	1460	707
3	68	130	144	130	420	139	120	929	379	242	1320	805
4	68	139	140	140	440	92	109	940	504	504	795	815
5	83	130	150	170	480	86	112	898	360	536	472	726
6	106	126	160	180	520	85	116	1020	322	641	412	994
7	109	180	150	170	600	90	112	940	292	815	353	972
8	120	225	130	140	350	95	126	940	274	1310	366	950
9	126	200	140	140	350	95	126	961	210	1320	372	825
10	123	230	140	150	330	90	116	950	152	1230	386	536
11	112	242	130	150	200	85	120	950	247	1000	587	488
12	144	247	130	126	180	140	130	918	504	887	614	372
13	162	205	130	71	180	210	123	856	334	815	726	496
14	162	190	170	110	250	274	302	605	310	845	587	669
15	190	170	160	100	800	252	835	405	310	950	480	536
16	210	170	140	60	1100	242	1170	304	292	898	322	274
17	225	162	130	80	1200	220	1190	210	269	1000	130	215
18	242	157	150	110	1000	215	1190	116	274	1040	175	230
19	250	190	170	110	600	210	1190	112	286	1060	205	210
20	215	274	180	110	350	205	1220	292	366	950	230	123
21	215	242	185	130	180	190	1180	587	405	908	316	170
22	215	98	166	130	400	175	1170	736	458	866	420	109
23	215	86	166	50	280	162	1180	641	465	1030	488	83
24	215	63	157	80	300	162	1160	298	435	1190	442	63
25	225	116	152	130	257	170	1220	210	442	1460	641	63
26	242	98	157	100	258	175	1230	120	412	1990	1140	74
27	242	106	166	90	258	230	1100	134	334	2570	1270	98
28	252	112	162	90	225	215	929	292	334	2700	1080	112
29	215	120	152	100	210	170	866	405	292	2940	755	134
30	170	126	116	110	...	157	825	866	280	2800	678	200
31	120	...	80	120	...	148	...	736	...	2150	688	...
Mean	167	162	146	116	431	165	651	619	347	1199	634	424
Max.	252	274	185	180	1200	274	1230	1020	504	2940	1690	994
Min.	68	63	80	50	180	85	109	112	152	236	175	63
A.F.	10250	9660	8950	7110	24790	10140	38740	38080	20650	73710	39000	25230

Total acre-feet 306310.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT NORTH PLATTE
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	350	378	370	260	420	425	370	1120	960	432	2600	900
2	345	417	386	400	500	417	378	1360	700	440	2210	936
3	327	474	363	460	640	425	349	1460	572	378	2040	1090
4	299	500	210	480	720	370	356	1380	601	491	1690	1130
5	333	440	270	460	740	244	356	1250	563	650	852	1020
6	362	425	420	440	820	215	342	1250	465	660	650	1380
7	381	409	410	410	885	210	349	1300	448	763	611	1510
8	387	517	420	400	970	215	335	1250	409	1090	601	1380
9	394	544	420	400	445	220	356	1250	349	1620	601	1280
10	362	544	410	409	435	220	321	1300	300	1510	620	960
11	362	534	380	409	360	200	321	1220	363	1350	741	730
12	394	508	370	370	155	380	335	1170	986	1020	364	690
13	387	474	390	335	110	520	328	1140	752	973	1020	630
14	368	457	420	300	340	611	314	960	611	1010	960	680
15	425	432	460	330	965	720	690	690	601	1090	785	763
16	452	366	430	420	1960	741	1160	534	640	1140	650	552
17	452	393	390	400	2350	553	1460	432	553	1120	432	417
18	452	465	420	250	2150	500	1480	363	500	1160	328	393
19	473	425	480	310	1350	517	1480	244	500	1250	393	417
20	493	553	490	350	680	491	1460	250	620	1180	363	356
21	493	563	480	430	393	457	1450	368	720	1050	440	356
22	466	425	430	440	457	425	1480	620	796	966	500	370
23	486	432	420	270	720	425	1500	840	730	1040	660	356
24	473	450	430	160	553	409	1620	620	650	1160	620	401
25	500	544	420	270	563	401	1530	386	640	1280	700	425
26	565	465	430	320	620	417	1640	349	563	1460	1210	409
27	565	425	410	230	544	425	1540	281	553	1720	1820	378
28	536	386	400	260	482	491	1300	335	508	2330	1760	370
29	522	363	390	300	432	393	1100	432	517	3190	1350	378
30	439	363	390	390	...	401	1010	1100	448	3240	1010	401
31	400	...	350	420	...	363	...	1360	...	3120	924	...
Mean	427	456	402	358	750	413	890	861	587	1287	967	703
Max.	565	563	490	480	2350	741	1640	1460	966	3240	2600	1510
Min.	299	363	210	160	110	200	314	244	300	378	328	356
A.F.	26270	27160	24710	21980	43160	25390	52980	52920	34940	79110	59470	41830

Total acre-feet 489920.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT PAXTON
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	139	10	8	9	7	743	860	18	13	9	6	12
2	134	10	8	9	7	656	860	19	12	9	7	11
3	129	10	8	9	7	590	815	17	12	7	54	10
4	122	9	8	9	7	614	808	17	21	7	127	9
5	112	9	8	9	6	525	764	17	14	6	127	10
6	110	10	8	9	6	415	696	17	12	6	120	21
7	110	10	8	9	410	434	608	17	10	6	103	19
8	106	10	7	9	792	568	579	17	9	8	84	18
9	84	10	8	9	972	670	552	17	9	6	74	17
10	31	11	8	9	1090	415	540	17	9	5	68	15
11	21	10	8	9	1110	382	535	15	9	5	55	14
12	17	9	7	9	980	454	540	14	9	5	54	12
13	14	8	9	9	892	520	670	12	10	5	54	9
14	12	8	8	9	908	916	764	12	9	7	52	9
15	8	7	8	9	1000	1890	520	12	9	8	48	8
16	8	7	8	8	948	2310	244	12	10	6	45	7
17	6	7	8	8	845	2550	127	12	9	6	40	7
18	6	8	9	8	956	1640	65	11	9	7	37	6
19	5	9	10	8	1160	1390	39	11	9	9	34	6
20	5	11	10	8	1540	1900	26	10	12	9	31	6
21	50	9	10	8	1390	1240	31	12	14	10	20	6
22	192	8	10	8	1330	1000	38	12	18	9	26	6
23	97	8	10	8	1710	860	23	14	21	8	24	6
24	157	8	10	7	2190	708	19	14	16	7	20	7
25	122	9	10	6	1720	620	17	12	21	7	18	11
26	56	8	10	6	1190	562	15	10	12	7	28	19
27	34	8	10	6	1000	562	14	10	12	6	24	22
28	22	8	9	7	868	656	25	10	13	7	20	24
29	21	8	9	8	792	743	29	10	12	8	18	24
30	16	8	9	8	...	815	21	17	10	6	16	26
31	12	...	9	7	...	892	...	14	...	6	14	...
Mean	63	9	9	8	888	911	361	14	12	7	47	13
Max.	192	11	10	9	2190	2550	860	19	21	10	127	26
Min.	5	7	7	6	6	382	14	10	9	5	6	6
A.F.	3890	530	540	500	51060	56010	21510	850	720	430	2890	750

Total acre-feet 139680.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT NORTH PLATTE
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	250	140	123	156	105	991	1030	156	152	113	124	152
2	245	144	124	200	90	946	1030	152	132	113	132	152
3	236	144	123	164	70	878	1020	144	128	110	132	152
4	227	140	140	144	95	750	955	140	140	110	132	152
5	218	120	140	148	120	630	902	136	140	110	132	144
6	209	124	136	152	105	586	878	136	132	106	156	136
7	204	120	144	152	105	537	814	132	132	102	160	144
8	200	124	136	152	115	537	782	136	120	102	160	136
9	200	120	140	152	910	551	742	136	116	116	160	124
10	192	128	132	156	1200	540	682	140	113	113	160	124
11	172	132	124	152	1180	490	622	136	132	110	172	124
12	156	132	120	140	1090	520	572	132	172	106	164	116
13	144	132	124	128	1060	700	608	144	152	110	176	113
14	144	140	140	140	1020	900	705	144	132	113	184	110
15	144	128	140	132	995	1300	712	132	128	118	188	110
16	144	120	144	120	1000	1920	465	120	124	106	172	110
17	144	120	140	124	990	2310	328	110	120	110	152	102
18	136	128	140	152	1090	2450	312	110	120	110	136	102
19	128	136	144	136	1230	1710	260	106	113	102	136	99
20	116	156	140	168	1260	1360	209	106	144	106	136	96
21	116	156	124	144	1370	1380	196	106	164	106	136	96
22	110	148	120	148	1410	1360	188	106	168	102	132	96
23	204	144	116	136	1450	1160	184	140	156	102	120	99
24	218	128	116	152	1680	1030	180	120	148	99	113	102
25	255	140	144	172	1900	919	172	110	164	99	110	106
26	250	140	132	140	1710	886	164	102	144	96	152	106
27	196	144	132	110	1430	830	148	99	136	92	184	106
28	168	128	132	90	1190	822	144	96	132	113	180	106
29	148	128	132	100	1050	846	148	102	116	240	176	102
30	144	128	132	110	...	878	148	180	113	168	164	106
31	144	...	132	120	...	1000	...	176	...	140	160	...
Mean	179	134	133	142	932	1023	510	129	136	114	151	117
Max.	255	156	144	200	1900	2450	1030	180	172	240	188	152
Min.	110	120	116	90	70	400	144	96	113	92	110	96
A.F.	11030	7960	8160	8710	53590	62910	30350	7900	8100	7020	9300	6990

Total acre-feet 222020.

BUREAU OF IRRIGATION

487

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT BRADY
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	415	176	168	172	190	351	398	213	197	101	2360	582
2	458	184	161	237	180	554	425	223	186	90	1950	384
3	223	195	158	252	180	562	385	217	185	33	1510	422
4	205	222	111	239	180	507	433	487	174	82	1300	445
5	195	189	133	239	170	350	233	456	156	80	904	518
6	190	188	301	212	175	905	483	505	135	77	442	333
7	194	178	362	227	170	781	467	428	100	74	291	575
8	191	187	222	221	175	771	330	310	90	76	183	893
9	186	180	352	186	160	993	294	189	90	231	156	666
10	182	190	300	164	185	700	270	189	88	236	144	600
11	183	186	404	158	160	470	261	406	114	196	266	345
12	185	193	410	150	170	550	230	309	221	135	337	282
13	174	182	343	106	175	700	256	205	187	106	385	199
14	174	184	339	155	190	1000	231	158	169	111	552	238
15	180	181	241	192	362	1640	215	177	156	113	619	192
16	180	177	202	189	1730	1340	300	144	137	227	219	171
17	173	174	193	230	2730	1740	306	141	121	439	223	137
18	171	174	198	182	2500	1870	428	140	113	419	133	121
19	164	187	181	200	1900	1670	240	137	109	398	93	114
20	164	212	180	214	1270	1800	456	130	183	403	88	112
21	164	233	194	215	1610	1440	464	130	188	376	91	106
22	164	187	199	227	1790	1170	437	130	191	352	83	108
23	161	216	200	326	1050	812	429	166	177	408	76	406
24	166	208	209	495	1320	947	323	140	135	387	136	224
25	167	510	210	360	1240	857	408	139	161	358	261	131
26	169	308	212	220	1000	775	245	137	169	454	269	116
27	172	231	210	380	1280	676	385	128	188	798	785	112
28	175	210	199	355	1130	585	325	121	176	1100	1170	108
29	176	194	182	355	536	333	279	147	159	1810	1060	109
30	178	180	178	235	...	494	228	235	129	1640	546	108
31	173	...	123	200	...	383	...	205	...	2150	588	...
Mean	195	207	228	236	824	896	332	221	153	436	557	295
Max.	458	510	410	495	2730	1870	483	505	221	2150	2360	893
Min.	161	174	111	106	160	333	215	121	88	74	76	106
A.F. 12000	12330	14030	14490	47420	55070	20160	13570	9090	26790	34250	17570	

Total acre-feet 276770.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT COZAD
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	359	148	282	258	247	645	548	296	15	158	1690	69
2	338	157	262	222	254	530	570	262	11	76	1880	30
3	370	159	252	231	243	646	590	289	14	37	1470	19
4	261	190	206	221	251	670	540	310	16	21	1110	18
5	243	191	221	246	246	500	530	415	9	18	857	16
6	224	191	259	292	244	400	470	390	10	17	605	47
7	207	187	286	341	243	950	530	355	9	16	290	48
8	185	197	309	350	240	850	558	283	9	17	123	135
9	186	226	291	331	230	800	430	217	8	107	35	308
10	193	235	333	320	260	1000	331	155	9	110	34	232
11	167	246	314	314	220	500	349	145	11	49	50	201
12	156	243	326	300	220	614	314	240	86	19	153	133
13	162	245	362	203	227	800	322	233	44	24	230	99
14	156	261	346	224	289	1200	318	158	13	53	229	71
15	156	264	346	242	348	1800	316	123	11	111	255	47
16	152	257	319	234	429	1640	335	131	9	68	110	42
17	143	256	298	263	871	1840	388	113	9	67	22	25
18	137	275	313	164	2380	1980	418	91	9	34	24	13
19	138	283	318	210	2090	2030	398	81	8	13	27	8
20	138	303	307	222	1540	1740	406	62	16	12	29	7
21	135	331	305	251	1320	1870	460	70	468	14	26	7
22	134	252	317	256	1680	1360	520	51	1860	14	27	7
23	133	240	330	300	1800	1330	500	32	619	17	24	7
24	140	280	313	400	1230	1060	488	52	440	16	21	27
25	139	332	324	450	1300	1120	422	14	336	16	18	18
26	144	486	329	350	1210	1010	434	13	368	17	15	32
27	143	396	321	272	1190	915	355	12	786	21	38	18
28	147	347	315	256	1250	796	450	12	477	167	151	21
29	153	314	319	290	948	696	358	13	370	2640	57	42
30	167	290	300	329	...	560	299	47	317	1600	53	42
31	161	...	267	248	...	580	...	41	...	1240	68	...
Mean	183	259	303	277	793	1046	432	152	212	219	314	61
Max.	370	486	362	450	2380	2030	590	415	1860	2640	1880	338
Min.	133	148	206	164	220	400	299	12	8	12	15	7
A.F. 11240	15440	18620	17040	45620	64330	25680	9340	12630	13460	19280	3610	

Total acre-feet 256290.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT OVERTON
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1630	998	1240	2290	1070	2540	2340	1150	187	1380	1770	593
2	1450	544	1630	2220	1430	2510	2310	746	138	1280	1300	226
3	1380	936	1880	2160	1540	2470	2090	1240	255	690	2150	485
4	1220	1430	2280	1820	1800	2310	2120	1430	414	197	2220	414
5	528	838	2280	2280	1700	2180	2250	1380	246	55	2150	138
6	457	978	1910	1970	1540	1850	2250	1450	72	289	2030	28
7	485	690	1400	1770	1230	1600	2180	1220	236	641	1680	101
8	485	875	1850	1500	800	1970	2180	746	708	400	838	178
9	429	528	1910	1550	760	1900	2220	544	400	301	936	255
10	414	1380	1910	1680	645	1700	2120	1260	326	226	727	471
11	400	1220	1740	1550	845	1500	1380	313	207	782	528	528
12	593	1240	1850	1580	790	1750	1820	1170	161	746	690	471
13	1190	1450	1740	1660	965	1800	2000	998	153	625	674	500
14	1500	1890	1040	1660	1240	2780	1850	1380	197	350	838	727
15	1660	1150	1280	1740	1300	3100	1880	978	178	197	500	577
16	1660	374	1480	1790	2470	3960	1940	544	101	301	1040	674
17	1660	978	1240	1790	2330	3560	1970	916	101	216	746	674
18	1580	1220	1170	1630	1840	4090	1100	1100	90	161	443	764
19	1020	1190	1120	2030	2580	4090	1710	1040	68	146	609	674
20	1530	1380	1170	1820	3100	3480	1910	978	161	85	641	820
21	1770	1530	957	1740	2630	3560	1740	1020	138	168	544	560
22	1680	1400	1480	1660	2070	3880	1630	764	875	386	207	727
23	1580	1660	1710	1520	2600	3520	1380	350	4480	226	528	658
24	1480	1740	1450	1610	3310	2850	1080	471	3560	277	514	386
25	1430	1660	856	1000	2850	2750	708	727	1880	338	374	94
26	1080	1630	1150	1360	3240	2850	936	593	1450	485	414	131
27	1220	782	1330	1390	3570	2310	875	577	1630	414	386	207
28	1350	875	1240	1510	2970	1450	875	443	2750	429	289	207
29	1380	1240	1300	1350	2750	1880	875	265	2380	746	168	400
30	1450	1080	1770	1080	....	2180	1040	216	1710	2180	544	708
31	1330	....	2080	990	....	2310	....	178	....	2310	641	....
Mean	1194	1153	1520	1668	1930	2603	1696	879	845	531	883	446
Max.	1770	1740	2280	2290	3570	4090	2340	1450	4480	2310	2220	820
Min.	400	374	856	990	645	1450	708	178	68	55	168	28
A.F.	73430	68580	94100	102550	111000	160030	100920	54060	50300	32630	54290	26530

Total Acre-feet 928420.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ODESSA
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1750	976	800	1950	1720	2700	2580	820	21	1100	2050	290
2	1830	839	1540	1990	1460	3000	2520	898	11	956	1540	470
3	1670	217	1770	2350	1720	2800	2310	917	5	712	1670	81
4	1770	1080	2160	2240	1900	3300	2580	1080	11	376	2100	95
5	1420	976	2570	1950	1810	2800	2340	1170	9	158	1640	109
6	518	800	2310	2240	1570	2700	2550	1300	4	81	1570	21
7	578	760	1230	2110	1430	2600	2520	1210	1	185	1370	15
8	578	750	1200	1930	1020	2400	2490	1040	6	139	820	30
9	563	740	1880	1550	600	2400	2520	730	67	109	301	34
10	416	730	1930	1630	680	2300	2400	625	67	34	324	67
11	416	1500	1930	1880	800	2220	2070	1120	13	17	376	130
12	490	1250	1840	1450	680	2400	1830	1120	74	34	335	267
13	635	1360	1670	1730	720	2500	2310	765	21	158	194	256
14	1040	1500	1710	1580	795	2900	2220	917	9	194	312	456
15	1300	1670	1260	1570	1540	3500	2190	1080	5	56	501	389
16	1330	800	1510	1810	1950	4700	2340	516	3	26	335	324
17	1330	712	1560	1860	2460	4900	2190	324	4	74	443	430
18	1280	1120	1650	1990	2500	4800	1990	660	3	60	402	456
19	976	1210	1440	1780	3790	5200	1400	765	1	17	258	486
20	660	1300	1340	2370	4460	4690	2020	748	47	14	416	456
21	1120	1500	1420	2170	3750	4390	1770	800	81	11	430	563
22	1280	1720	1150	2100	3800	3980	1620	678	256	15	245	416
23	1280	1930	1570	1350	3780	3860	1509	501	2160	21	130	516
24	1420	1750	1700	1640	4580	2940	1330	213	4270	13	324	278
25	1400	1670	1290	1930	4850	2810	1040	416	2520	12	267	102
26	1370	1640	1150	1520	4970	3080	594	416	1930	15	148	13
27	1190	1120	1510	1640	5040	2550	820	312	1830	30	324	4
28	1350	470	1550	1850	3930	2020	748	301	2620	26	194	3
29	1230	936	1220	1940	3950	1570	730	222	2580	443	158	9
30	1150	1170	1300	1860	....	2520	782	301	1720	1470	123	81
31	1260	....	1910	1780	....	2580	....	109	....	2280	312	....
Mean	1116	1140	1582	1863	2492	3133	1877	712	678	285	633	228
Max.	1830	1930	2570	2370	5040	5200	2580	1300	4270	2280	2100	563
Min.	416	217	800	1350	600	1570	594	109	1	11	123	3
A.F.	68620	67830	97290	114500	143300	192610	111680	43780	40360	17520	38900	13580

Total acre-feet 949970.

BUREAU OF IRRIGATION

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT GRAND ISLAND
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	952	1080	1270	150	1400	4400	2190	785	348	1960	1050	0
2	1050	1050	1340	180	1300	3000	2280	785	224	1290	2490	0
3	1100	822	1290	260	1300	2800	2430	1080	131	872	2190	24
4	1120	822	1290	410	1200	2400	2230	1340	87	840	1570	65
5	1080	569	910	1500	1300	2000	2250	1200	59	649	1750	69
6	993	952	790	2200	1400	1800	2160	1400	47	425	1830	65
7	859	766	1000	2400	1400	1500	2220	1450	59	109	1620	98
8	438	749	1300	2600	1200	1800	2130	1600	56	120	1520	191
9	322	785	1100	2500	1100	1700	2130	1290	27	359	1180	158
10	263	733	1400	2200	880	1600	2130	952	15	386	785	142
11	234	666	1600	2000	690	1500	1990	699	24	302	555	136
12	283	840	1600	1900	590	1300	1830	749	53	216	510	131
13	273	952	1500	1200	580	1300	1550	1050	73	158	632	131
14	234	1010	1600	940	600	1700	1800	993	82	126	481	136
15	283	1560	1600	570	660	2000	1750	649	92	136	466	131
16	666	1270	1600	1100	830	4600	1600	716	82	104	451	167
17	896	1030	1300	1200	960	8100	1600	766	120	78	386	253
18	972	682	1500	1000	1200	13000	1700	540	150	199	253	216
19	933	749	1500	1300	1400	13200	1620	399	114	244	224	208
20	896	1160	1600	1500	1600	8530	1200	555	136	136	175	234
21	785	1180	1600	1400	1800	4550	1360	632	183	82	114	283
22	699	1100	1600	1600	2400	3770	1620	649	234	65	78	293
23	972	1180	1600	1500	3100	3140	1550	859	273	50	69	386
24	1120	1100	1400	1300	3600	3280	1450	716	293	36	47	348
25	1160	1750	1800	1000	4200	2680	1450	481	2800	20	20	348
26	1220	2100	1900	1100	5100	2490	1160	273	2900	10	8	335
27	1160	2520	1400	1400	5600	2800	933	234	2840	1	10	224
28	1050	1620	1300	1100	5700	2840	716	263	2310	0	9	120
29	1050	1010	1400	1100	4900	2490	878	208	1960	134	3	82
30	1180	915	1100	1200	....	2020	840	361	2650	183	2	92
31	1120	....	500	1300	....	2020	....	471	....	136	0	....
Mean	818	1095	1374	1326	2000	3558	1693	778	614	310	662	169
Max.	1220	2520	1900	2600	5700	13200	2430	1600	2900	1960	2490	386
Min.	234	569	500	150	580	1300	716	208	15	0	0	0
A.F.	50310	65140	84500	81540	115000	218800	100800	47860	36540	19070	40680	10050

Total acre-feet 870280.

DISCHARGE IN SECOND-FEET, PLATTE RIVER NEAR DUNCAN
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1040	886	1120	510	1200	5700	2280	872	468	2700	395	22
2	808	899	1120	440	1300	5000	2650	836	459	2500	450	29
3	899	926	1260	380	1400	3900	2610	1190	358	2000	2180	24
4	966	845	1100	330	1300	3100	2410	1210	231	1500	2650	24
5	1010	782	1060	310	1200	2700	2200	1360	160	1160	2220	21
6	912	621	890	410	1100	2500	2140	1410	118	980	2160	22
7	832	643	930	960	1100	2100	2160	1500	118	676	2300	22
8	720	832	1000	2800	1200	1600	2000	1620	67	450	2000	24
9	493	698	1100	2400	1100	1300	2060	1310	42	350	1910	21
10	292	698	1600	2400	980	1400	2000	1290	36	365	1680	16
11	231	621	1200	2300	1000	1200	1940	1130	40	450	1380	33
12	344	643	950	2000	790	1300	2000	940	237	358	1080	38
13	337	610	1200	1700	670	1300	1890	758	146	261	1190	22
14	255	966	1300	1500	550	1400	1620	858	102	208	899	16
15	220	886	1300	1200	500	1800	1270	926	97	146	995	14
16	192	1130	1400	960	470	3100	1310	782	85	122	845	14
17	273	1360	1500	1000	500	4700	1310	610	110	114	687	13
18	665	1260	1500	810	700	7100	1270	676	110	132	665	11
19	886	995	1400	1100	800	12000	1310	610	165	127	676	10
20	899	899	1500	1200	780	13100	1310	442	220	141	484	10
21	872	1080	1500	1100	900	9970	1320	330	267	176	442	10
22	758	1190	1500	1300	1300	6360	1020	442	530	87	344	10
23	643	966	1500	1300	1900	4870	1320	520	550	61	181	61
24	709	872	1500	1400	2500	4060	1530	580	434	38	106	160
25	886	1070	1400	1300	2700	3910	1590	698	434	45	85	165
26	826	966	1400	1000	3200	3410	1620	540	1270	57	81	151
27	1020	1770	1800	780	3900	3070	1510	418	4940	40	61	160
28	1040	2320	1800	780	5400	2830	1210	279	4360	26	50	156
29	1020	1810	1500	900	6200	3410	940	273	3380	745	40	127
30	926	1510	1300	770	....	2980	832	434	2670	687	21	89
31	858	....	480	800	....	2610	....	520	....	493	22	....
Mean	707	1025	1284	1168	1608	3993	1688	820	738	555	913	50
Max.	1040	2320	1800	2800	6200	13100	2650	1620	4940	2700	2650	165
Min.	192	610	480	310	470	1200	832	273	36	26	21	10
A.F.	43500	61000	79560	71680	92510	245500	100400	50410	43920	34130	56130	2965

Total acre-feet 881700.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ASHLAND
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2800	3570	4550	2100	2200	45000	6740	3990	2060	8970	7980	2000
2	3030	3460	4590	2000	2300	26000	5970	3750	2180	7070	6290	3660
3	2840	3780	4350	2800	3000	19000	5700	3630	3160	6050	5520	4720
4	2700	3720	4800	2800	3700	14900	5550	3460	2980	5290	5190	3500
5	3030	3750	4120	2400	3700	11000	5970	4690	2620	4760	7760	2000
6	2740	3600	2270	2300	3700	9000	5080	4620	2570	3930	6860	1700
7	2640	3600	3240	2300	3600	8000	5220	4720	1970	3100	5660	1700
8	2800	3960	2500	3000	3600	6000	5440	4250	1660	3030	5010	2000
9	2480	3870	1800	4400	3600	5000	5860	4280	2010	2950	5040	2000
10	2430	3870	1900	6300	3500	4000	5260	4860	1530	3100	5220	2040
11	2230	3780	2700	8200	3400	3500	6050	3840	1500	3270	7210	2140
12	2100	3490	3500	7900	3200	3000	5660	3720	1500	3520	13500	2120
13	2270	3660	4000	7100	3000	3500	5590	3380	1800	3490	14100	2120
14	1950	3520	3400	5400	2800	4500	5440	3930	2000	2740	18000	1930
15	2210	3550	3200	4300	2500	5200	5290	3630	2100	2380	15300	1870
16	2060	4060	3700	2700	2500	19600	5190	3100	2100	2060	14200	1810
17	2230	3990	4000	1400	3300	34000	4860	3160	2100	1870	12400	1810
18	2200	4120	4400	1300	4100	36300	4660	2340	2120	1890	9270	1700
19	2180	4180	4400	1200	7800	28600	4520	2720	5900	1950	7150	1480
20	2290	4120	4800	1300	11000	26700	4550	2770	4760	2640	6130	1660
21	2340	4060	4700	1300	11000	23600	4280	2950	4020	5330	5080	1590
22	2550	3870	4700	1500	11000	19300	4120	2640	3520	5280	4310	1770
23	2700	3720	4900	1700	13000	15100	4120	2520	5340	3790	3780	1990
24	3190	3660	5200	1800	12000	12000	4090	1960	11900	2840	3580	2120
25	3050	3750	5100	2000	11000	10200	4880	2480	7320	2520	3320	2720
26	3000	3160	5600	2500	9200	9730	5080	3160	5820	2410	2800	4810
27	3130	3550	5300	2700	9700	9990	4380	3080	8420	1610	3570	4090
28	3270	4090	5200	2700	16000	8160	4830	3000	22200	1590	2500	3050
29	3130	5860	5700	2700	13000	8160	4800	2480	16400	4370	3000	2700
30	3130	5780	5000	2200	.....	8030	4520	2340	11600	4320	2700	2600
31	3550	.....	4300	2200	.....	7670	.....	1890	.....	12100	2300	.....
Mean	2653	3905	4126	3035	6290	14350	5123	3335	4839	3877	6920	2380
Max.	3550	5860	5700	8200	16000	45000	6740	4860	22200	12100	18000	4810
Min.	1950	3160	1800	1200	2200	3000	4090	1890	1500	1590	2300	1480
A.F.	163100	232400	253700	186600	361800	882100	304800	205000	287900	238400	425500	141600

Total acre-feet 3682900.

**DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT**

Values in Acre-feet

For the Water Year Ending September 30, 1947

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Bald Drain*.....	530	340	310	350	170	180	120	880	2170	2160	1360	1410	9980
Bayard Sugar Factory Drain...	3030	2260	2080	1850	1460	1570	1570	540	4040	2650	2440	3340	26830
Cleveland Drain†.....	440	70	10	40	40	60	290	1210	1040	1030	560	850	5640
DeGraw Drain*.....	340	310	390	290	260	260	380	450	360	280	250	400	3970
Dugout Creek, Upper†.....	540	360	270	270	290	160	70	430	1950	4590	530	1680	11140
Fairfield Seep*.....	0	0	0	0	10	30	20	0	0	10	50	0	120
Fanning Seep*.....	410	350	430	380	250	280	130	120	120	130	150	260	3010
Gering Drain†.....	2630	2140	1880	1650	1440	1560	1830	3010	7030	5470	3970	3650	36260
Horse Creek.....	4990	3120	2100	1790	1470	2790	3310	7650	10630	11270	4560	7190	60870
Indian Creek*.....	810	590	470	380	360	180	120	380	1020	1220	1130	1190	7850
Lane Drain*.....	330	290	140	140	110	130	90	60	190	370	250	340	2440
Melbeta Drain†.....	140	130	170	240	100	160	180	180	300	420	50	300	2370
Nine Mile Drain.....	9380	7570	6540	5770	4630	4930	4680	6220	11010	9440	11280	13260	94710
Red Willow Drain.....	7500	6190	5490	4690	3570	3760	3510	4470	13150	9010	4620	10120	76080
Scottsbluff Drain No. 1*.....	850	650	680	710	560	800	590	490	710	730	810	930	8510
Scottsbluff Drain No. 2*.....	320	210	190	240	60	60	60	220	300	160	240	220	2280
Sheep Creek.....	6860	5330	4420	4680	4280	4730	4260	4540	4970	2110	190	500	46870
Spotted Tail Creek, Dry†.....	3460	2190	1810	1660	1760	1620	1900	2960	3030	3530	3130	4080	31130
Spotted Tail Creek, Wet*.....	1190	990	960	830	840	860	830	810	750	650	770	1040	10520
Tub Springs.....	4580	3310	2850	2400	2100	2340	1820	440	4250	1650	200	1260	27200
Winters Creek.....	5490	3850	3310	3130	2770	3040	2810	1900	5630	2840	3710	6360	44840
Totals.....	53820	40250	34500	31490	26530	29500	28570	36960	72650	59720	40250	58380	512620

*Estimated for entire year from measurements.

†Estimated October-April inclusive. One reading daily May-September.

DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

Values in Acre-feet

For the Water Year Ending September 30, 1948

REPORT OF THE STATE ENGINEER

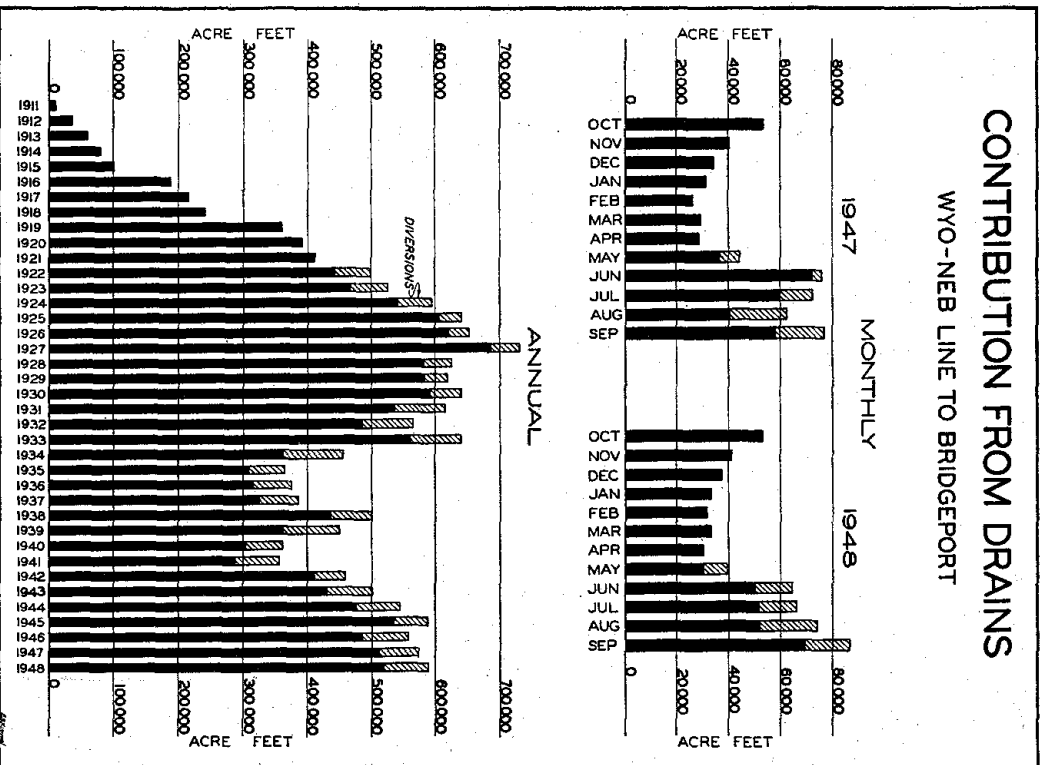
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Bald Drain*.....	550	540	610	340	280	230	200	450	830	890	990	1760	7670
Bayard Sugar Factory Drain...	3120	2400	2250	2040	1790	1740	1500	1470	1140	1260	2350	2030	23090
Cleveland Drain†.....	120	120	120	120	70	60	60	820	770	1130	700	1270	5360
DeGraw Drain*.....	340	240	390	290	290	290	210	330	420	510	470	380	4160
Dugout Creek, Upper†.....	730	560	370	290	230	280	300	280	1190	1430	1140	1550	8350
Fairfield Seep*.....	20	20	30	40	30	40	10	110	40	70	100	30	540
Fanning Seep*.....	550	330	310	250	230	230	140	130	240	240	260	380	3290
Gering Drain†.....	2340	2240	2170	2050	1800	1720	1630	1760	5480	4180	5040	3810	34220
Horse Creek.....	5870	3700	2120	1650	4020	6650	2270	2800	10430	6900	6550	9230	62190
Indian Creek†.....	710	530	470	370	330	260	190	440	770	770	980	960	6780
Lane Drain*.....	250	240	260	260	270	190	100	140	380	460	880	610	4040
Melbeta Drain†.....	250	240	180	120	120	120	120	130	420	420	570	790	3480
Nine Mile Drain.....	9930	7580	6750	5920	5190	5270	4890	7200	9160	10240	12860	14690	99680
Red Willow Drain.....	7300	5400	4970	4440	3690	3650	3140	4440	7740	7260	6430	11920	70380
Scottsbluff Drain No. 1*.....	800	770	850	830	510	430	310	100	260	710	860	830	7260
Scottsbluff Drain No. 2*.....	120	170	280	280	180	100	60	350	440	530	650	520	3680
Sheep Creek.....	6740	5630	5580	5040	4530	4780	4020	1600	3560	2500	680	2510	47170
Spotted Tail Creek, Dry†.....	3690	2980	2460	2280	1780	1730	1460	2260	3070	4440	5600	5560	37310
Spotted Tail Creek, Wet*.....	1040	1270	1340	820	720	760	700	710	870	940	830	990	10990
Tub Springs.....	2460	2380	2460	2370	2030	1920	1480	1360	4040	2910	860	3440	27710
Winters Creek.....	6210	3970	3590	3470	3080	3180	2790	3400	4440	3950	3440	6030	47550
Totals.....	53140	41310	37560	33270	31170	33630	25580	30280	55690	51740	52240	69290	514900

*Estimated for entire year from measurements.

†Estimated October-April inclusive. One reading daily May-September.

CONTRIBUTION FROM DRAINS

WYO-NEB LINE TO BRIDGEPORT



REPORT OF THE STATE ENGINEER

DIVERSIONS FROM DRAINS BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

Values in Acre-feet

For the Water Year Ending September 30, 1947

	May	June	July	Aug.	Sept.	Total
Northport Canal from:—						
Akers Draw.....	700	510	820	610	680	3320
Sheep Creek.....	0	0	2180	5270	6030	13480
Dry Spotted Tail Creek.....	0	0	0	1520	730	2250
Wet Spotted Tail Creek.....	800	1190	1220	1510	2260	6980
Tub Springs.....	910	0	1450	2670	2500	7530
Enterprise Canal from:—						
Stewart and Morrill Drains.....	0	0	0	0	0	0
Wet Spotted Tail Creek.....	340	160	440	610	670	2220
Tub Springs.....	620	0	1290	2300	1230	5440
Winters Creek Canal from Winters Creek..	2020	480	3810	3830	2900	13040
Alliance Canal from:—						
Bayard Drain.....	1120	680	320	870	70	3060
Red Willow Creek.....	900	630	1310	3100	1740	7680
Total.....	7410	3650	12840	22290	18810	65000

DIVERSIONS FROM DRAINS BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

Values in Acre-feet

For the Water Year Ending September 30, 1948

	May	June	July	Aug.	Sept.	Total
Northport Canal from:—						
Akers Draw.....	690	730	700	670	710	3500
Sheep Creek.....	2480	1260	3630	6960	5710	20040
Dry Spotted Tail Creek.....	0	0	0	0	0	0
Wet Spotted Tail Creek.....	580	1220	1400	2030	2680	7910
Tub Springs.....	870	430	1660	2730	1980	7670
Enterprise Canal from:—						
Stewart and Morrill Drains.....	60	230	200	270	260	1020
Wet Spotted Tail Creek.....	410	550	630	840	950	3380
Tub Springs.....	940	300	870	1590	400	4100
Winters Creek Canal from Winters Creek..	1840	1250	1990	3380	2220	10680
Alliance Canal from:—						
Bayard Drain.....	580	1230	1130	510	1180	4630
Red Willow Creek.....	810	1800	2060	3210	1570	9450
Total.....	9260	9000	14270	22190	17660	72380

**SUMMARY OF MONTHLY DIVERSIONS FOR IRRIGATION BY SECTIONS, BETWEEN GUERNSEY, WYOMING
AND ODESSA, NEBRASKA**

Values in Acre-feet
For the Water Year Ending September 30, 1947

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Guernsey-Whalen	0	0	0	0	0	2602	57330	86420	11640	161230	216180	158180	717000
Whalen-State Line	0	0	0	0	0	0	110	12080	10970	21280	27410	17500	89350
State Line-Mitchell	0	0	0	0	0	0	0	86180	19260	57530	89540	64160	266670
Mitchell-Minatare	0	0	0	0	0	0	610	7930	4180	10440	16070	11680	50910
Minatare-Bridgeport	0	0	0	0	0	0	0	10980	6000	9630	17730	11730	56070
Bridgeport-Lisco	880	0	0	0	0	0	0	4710	1820	2130	6220	4410	20170
Lisco-Oshkosh	0	0	0	0	0	0	0	350	300	190	1740	1370	3950
Oshkosh-Keystone	2390	90	0	0	0	0	0	4500	2160	3760	6240	5220	24360
Keystone-North Platte	1490	0	0	0	0	0	60	7480	13080	19110	36990	18260	96470
North Platte-Odesa	3870	0	0	0	0	0	8280	27030	47930	45610	122730	83990	339440
Total, Guernsey-Odesa	8630	90	0	0	0	2602	66390	197660	117340	330910	540850	376500	1664390

For the Water Year Ending September 30, 1948

Guernsey-Whalen	0	0	0	0	0	4980	60760	105230	122400	191510	208900	138300	832080
Whalen-State Line	130	0	0	0	0	0	250	11660	20970	18510	20420	13060	85000
State Line-Mitchell	1220	0	0	0	0	0	0	40830	50970	76830	88150	64940	322940
Mitchell-Minatare	0	0	0	0	0	0	60	9120	6880	10570	14700	10550	51880
Minatare-Bridgeport	0	0	0	0	0	0	140	12000	13000	13580	17650	13920	70290
Bridgeport-Lisco	870	0	0	0	0	0	0	2950	4410	3970	4860	3860	20920
Lisco-Oshkosh	0	0	0	0	0	0	420	430	890	1150	910	880	4680
Oshkosh-Keystone	2630	0	0	0	0	0	0	4390	3860	3540	4060	4800	23280
Keystone-North Platte	1960	0	0	0	0	0	400	24950	16840	27990	27730	22350	122220
North Platte-Odesa	19540	1740	0	0	0	0	14480	58180	58280	89010	92960	69040	403230
Total, Guernsey-Odesa	26350	1740	0	0	0	4980	76510	269740	298500	436660	480340	341700	1936520

ANALYSIS OF WATER DIVERTED BY PROJECTS HAVING STORAGE RIGHTS IN THE NORTH PLATTE AND PLATTE BASINS
Measured in Acre-feet Near Point of Diversion from Streams

Project	1947			1948		
	Storage	Natural	Total	Storage	Natural	Total
Tri-County	123610	927210	1050820	198508	1000742	1199250
Elm Creek	0	4480	4480	600	9210	9810
Thirty-Mile	5540	23650	29190	2130	35040	37170
French	2590	1210	3800	2760	1240	4000
*Northport	7900	21880	29780	15270	20110	35380
Northport from Drains.....	0	33560	33560	0	39100	39100
Gering	8690	11040	19730	16860	10460	27320
Orchard-Alfalfa	620	3470	4090	0	2950	2950
Cozad	1830	11550	13380	760	20150	20910
Six Mile	90	1370	1460	20	1860	1880
Beerline	0	1280	1280	340	1100	1440
Dawson County.....	1430	38410	39840	2	57838	57840
Suburban	160	10640	10800	690	19690	20380
Ramshorn	0	3180	3180	610	2370	2980
Gothenburg Power.....	0	60920	60920	0	80410	80410
Gothenburg Irrigation.....	280	17960	18240	0	38090	38090
Mitchell	5430	32580	38010	7630	17540	25170
Enterprise	720	18040	18760	500	21450	21950
Tri-State Preferred Rights.....	0	10960	10960	0	12260	12260
Tri-State Farmers Irrig. Dist....	6430	144260	150690	25560	151120	176680
North Platte	3320	36940	40260	1380	45120	46500
Kearney Power.....	0	95420	95420	0	77160	77160
Kearney Irrigation.....	0	3000	3000	250	5300	5550
Total	168640	1513010	1681650	273870	1670310	1944180
Fort Laramie and Interstate Canals	377880	339120	717000	510080	322000	832080

*Exclusive of Drains.

MONTHLY EVAPORATION IN FEET—1947

Station	April	May	June	July	Aug.	Sept.	Oct.
*Pathfinder Dam.....	†	0.596	0.536	0.859	0.850	0.689	0.386
*Whalen Dam.....	†	.669	.677	.852	.740	.547	.421
*Bridgeport	0.441	.558	.554	.719	.739	.532	.322
*Kingsley Dam.....	.432	.569	.631	.848	.978	.649	.442
**North Platte.....	.271	.404	.435	.586	.686	.517	†

*United States Weather Bureau Class "A" Pan.

**6' x 2' tank set in the ground with water level at approximate ground level.

†No record reported.

MONTHLY EVAPORATION IN FEET—1948

Station	April	May	June	July	Aug.	Sept.	Oct.
*Pathfinder Dam.....	†	0.713	0.766	1.017	0.918	0.664	†
*Whalen Dam.....	†	.800	.724	.894	.807	.549	†
*Bridgeport	0.594	.621	.512	.766	.651	.547	0.260
*Kingsley Dam.....	†	.772	.633	.840	.806	.666	.347
**North Platte .....	.510	.565	.477	.692	.629	.545	†

*United States Weather Bureau Class "A" Pan.

**6' x 2' tank set in the ground with water level at approximate ground level.

†No record reported.

PRECIPITATION AT VARIOUS POINTS
Data Compiled by Water Years from Records of the
United States Weather Bureau
Values in Inches

Month	Normal		1947		1948	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*MITCHELL STATION, SCOTTSBLUFF COUNTY—ELEVATION, 4080						
October	1.05	1.05	1.93	1.93	1.69	1.69
November	.36	1.41	.30	2.23	.87	2.56
December	.44	1.85	.19	2.42	.67	3.23
January	.17	2.02	.09	2.51	.08	3.31
February	.31	2.33	.03	2.54	.41	3.72
March	.55	2.89	.13	2.67	.69	4.41
April	1.55	4.44	1.53	4.20	.86	5.27
May	2.63	7.07	2.65	6.85	2.93	8.20
June	2.47	9.54	7.87	14.72	2.46	10.66
July	1.78	11.32	.00	14.72	1.98	12.64
August	2.02	13.34	.57	15.29	1.96	14.60
September	1.64	14.98	.57	15.86	1.65	16.25

*32-year record.

***BRIDGEPORT STATION, MORRILL COUNTY—ELEVATION, 3666**

October	1.09	1.09	1.26	1.26	1.21	1.21
November	.43	1.52	.50	1.76	1.32	2.53
December	.59	2.11	.13	1.89	.56	3.09
January	.39	2.50	.34	2.23	.08	3.17
February	.48	2.98	.02	2.25	.40	3.57
March	.82	3.80	.08	2.33	1.14	4.71
April	2.12	5.92	.99	3.32	.80	5.51
May	2.82	8.74	2.27	5.59	2.74	8.25
June	2.51	11.25	9.97	15.56	5.19	13.44
July	1.98	13.23	.77	16.33	1.18	14.62
August	1.71	14.94	.69	17.02	1.96	16.58
September	1.36	16.30	1.44	18.46	1.28	17.86

*48-year record.

***OSHKOSH STATION, GARDEN COUNTY—ELEVATION, 3393**

October	1.20	1.20	1.54	1.54	.63	.63
November	.62	1.82	1.45	2.99	1.16	1.79
December	.56	2.38	.12	3.11	.55	2.34
January	.34	2.72	.30	3.41	.10	2.44
February	.60	3.32	.04	3.45	.14	2.58
March	.97	4.29	.77	4.22	.73	3.31
April	2.22	6.51	1.71	5.93	.79	4.10
May	2.79	9.30	2.40	8.33	.74	4.84
June	2.67	11.97	6.79	15.12	4.02	8.86
July	2.79	14.76	1.34	16.46	2.05	10.91
August	2.35	17.11	.85	17.31	3.04	13.95
September	1.46	18.57	1.92	19.23	1.00	14.95

*32-year record.

***NORTH PLATTE STATION, LINCOLN COUNTY—ELEVATION, 2805**

October	1.07	1.07	5.80	5.80	0.45	0.45
November	.47	1.54	1.28	7.08	1.60	2.05
December	.53	2.07	.18	7.26	.84	2.89
January	.39	2.46	.36	7.62	.08	2.97
February	.55	3.01	.18	7.80	.37	3.34
March	.86	3.87	.34	8.14	.60	3.94
April	2.06	5.93	1.94	10.08	.08	4.02
May	2.78	8.71	2.40	12.48	2.37	6.39
June	3.22	11.93	4.87	17.35	2.28	8.67
July	2.74	14.67	2.87	20.02	3.51	12.18
August	2.39	17.06	1.05	21.07	4.25	16.43
September	1.35	18.41	1.77	22.84	.89	17.32

*70-year record.

PRECIPITATION AT VARIOUS POINTS—Continued

Month	Normal		1947		1948	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*LEXINGTON STATION, DAWSON COUNTY—ELEVATION, 2385						
October	1.74	1.74	8.45	8.45	0.02	0.02
November	.78	2.52	1.20	9.65	1.02	1.04
December	.69	3.21	.15	9.80	.99	2.03
January	.40	3.61	.56	10.36	.32	2.35
February	.76	4.37	.18	10.54	.52	2.87
March	1.05	5.42	.45	10.99	.74	3.61
April	2.40	7.82	2.23	13.22	.10	3.71
May	3.14	10.96	1.78	15.00	1.59	5.30
June	3.74	14.70	9.27	24.27	6.02	11.32
July	3.26	17.96	4.60	28.87	2.90	14.22
August	2.92	20.88	.73	29.60	1.83	16.05
September	2.03	22.91	1.68	31.28	.20	16.25

*57-year record.

*GRAND ISLAND STATION, HALL COUNTY—ELEVATION, 1860

October	2.12	2.12	4.42	4.42	1.71	1.71
November	1.04	3.16	2.39	6.81	1.69	3.40
December	.75	3.91	.07	6.88	.81	4.21
January	.55	4.46	1.56	8.44	.37	4.58
February	.80	5.26	.24	8.68	1.44	6.02
March	1.32	6.58	.69	9.37	1.02	7.04
April	2.45	9.03	3.40	12.77	.51	7.55
May	3.95	12.98	2.24	15.01	4.06	11.61
June	4.05	17.03	7.58	22.59	5.00	16.61
July	3.55	20.58	1.66	24.25	3.97	20.58
August	3.52	24.10	.79	25.04	2.82	23.40
September	2.96	27.06	1.41	26.45	.56	23.96

*55-year record.

*COLUMBUS STATION, PLATTE COUNTY—ELEVATION, 1442

October	1.84	1.84	3.56	3.56	2.26	2.26
November	1.17	3.01	3.16	6.72	1.42	3.68
December	.71	3.72	.02	6.74	1.20	4.88
January	.51	4.23	.97	7.71	.33	5.21
February	.91	5.14	.17	7.88	1.49	6.70
March	1.21	6.35	.60	8.48	.91	7.61
April	1.32	7.67	3.69	12.17	1.11	8.72
May	4.12	11.79	4.38	16.55	2.80	11.52
June	4.40	16.19	9.47	26.02	5.74	17.26
July	3.54	19.73	.57	26.59	3.90	21.16
August	3.65	23.38	1.50	28.09	4.64	25.80
September	3.21	26.59	1.92	30.01	2.84	28.64

*53-year record.

*ORD STATION, VALLEY COUNTY—ELEVATION, 2062

October	1.60	1.60	5.39	5.39	1.47	1.47
November	.87	2.47	2.01	7.40	1.71	3.18
December	.69	3.16	.34	7.74	1.26	4.44
January	.44	3.60	1.03	8.77	.52	4.96
February	.69	4.29	.17	8.94	1.44	6.40
March	1.00	5.29	.58	9.52	.53	6.93
April	2.67	7.96	2.69	12.21	1.17	8.10
May	3.57	11.53	2.86	15.07	1.98	10.08
June	4.04	15.57	10.57	25.64	5.73	15.81
July	3.40	18.97	.43	26.07	3.69	19.50
August	3.15	22.12	.99	27.06	5.20	24.70
September	2.40	24.52	1.25	28.31	.71	25.41

*56-year record.

PRECIPITATION AT VARIOUS POINTS—Concluded

Month	Normal		1947		1948	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*FORT ROBINSON STATION, DAWES COUNTY—ELEVATION, 3807						
October	1.39	1.39	2.44	2.44	0.00	0.00
November	.47	1.86	.40	2.84	2.73	2.73
December	.68	2.54	.34	3.18	.65	3.38
January	.52	3.06	.00	3.18	.09	3.47
February	.65	3.71	.00	3.18	.29	3.76
March	.93	4.64	.00	3.18	.95	4.71
April	1.95	6.59	1.19	4.37	.00	4.71
May	2.79	9.38	3.67	8.04	4.22	8.93
June	2.48	11.86	10.54	18.58	4.79	13.72
July	2.24	14.10	.65	19.23	1.31	15.03
August	1.71	15.81	.12	19.35	2.49	17.52
September	1.42	17.23	1.33	20.68	1.45	18.97

*63-year record.

*CULBERTSON STATION, HITCHCOCK COUNTY—ELEVATION, 2565						
October	1.30	1.30	6.06	6.06	0.81	0.81
November	.71	2.01	2.21	8.27	1.22	2.03
December	.68	2.69	.10	8.37	.93	2.96
January	.34	3.03	.26	8.63	.28	3.24
February	.58	3.61	.35	8.98	.47	3.71
March	1.04	4.65	.46	9.44	1.14	4.85
April	2.00	6.65	2.95	12.39	.22	5.07
May	2.98	9.63	2.73	15.12	3.60	8.67
June	3.28	12.91	3.13	23.25	6.11	14.78
July	2.95	15.86	4.58	27.83	1.80	16.58
August	2.56	18.42	.45	28.28	4.40	20.98
September	1.60	20.02	2.04	30.32	.80	21.78

*59-year record.

*GENOA STATION, NANCE COUNTY—ELEVATION, 1584						
October	1.80	1.80	4.31	4.31	0.93	0.93
November	1.00	2.80	2.50	6.81	1.46	2.39
December	.86	3.66	.05	6.86	.90	3.29
January	.52	4.18	.49	7.35	.36	3.65
February	.74	4.92	.23	7.58	1.45	5.10
March	1.13	6.05	.48	8.06	.53	5.63
April	2.43	8.48	3.36	11.42	.76	6.39
May	4.03	12.51	2.83	14.25	2.50	8.89
June	4.43	16.94	10.23	24.48	6.12	15.01
July	3.58	20.52	.87	25.35	3.75	18.76
August	3.46	23.98	1.22	26.57	2.75	21.51
September	3.24	27.22	1.89	28.46	1.77	23.28

*71-year record.

*HOLDREGE STATION, PHELPS COUNTY—ELEVATION, 2335						
October	1.66	1.66	6.81	6.81	0.72	0.72
November	.90	2.56	2.25	9.06	1.83	2.55
December	.66	3.22	.15	9.21	.85	3.40
January	.41	3.63	.69	9.90	.76	4.16
February	.78	4.41	.35	10.25	.62	4.78
March	1.05	5.46	1.05	11.30	1.01	5.79
April	2.62	8.08	2.80	14.10	.42	6.21
May	3.78	11.86	2.30	16.40	2.62	8.83
June	3.81	15.67	3.39	24.79	7.59	16.42
July	3.25	18.92	3.05	27.84	2.93	19.35
August	2.97	21.89	.45	28.29	.62	19.97
September	2.12	24.01	1.59	29.88	1.40	21.37

*57-year record.

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DAILY DISCHARGES
of
RIVERS and STREAMS

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BUREAU OF IRRIGATION

503

ARIKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	15	28	2	4	10	19	45	44	10	3	0
2	5	18	27	2	6	15	17	42	38	9	2	0
3	7	26	26	2	7	20	20	35	51	9	1	0
4	8	24	25	2	10	25	23	29	44	8	1	0
5	9	34	25	2	20	25	28	23	152	7	0	0
6	10	44	23	3	40	25	28	20	380	7	0	0
7	10	53	22	10	30	25	29	19	27	7	0	0
8	11	51	22	20	15	40	44	20	13	11	0	0
9	9	30	19	21	9	69	45	23	20	14	0	2
10	20	20	19	21	9	126	48	24	27	14	0	1
11	12	15	20	25	9	126	48	28	25	11	0	2
12	10	20	21	33	15	74	36	33	123	7	0	3
13	10	21	19	36	50	48	27	23	69	4	0	3
14	10	27	22	30	69	50	20	19	39	5	0	6
15	12	40	21	15	69	53	19	19	32	10	0	3
16	12	53	19	10	72	44	20	92	23	8	1	3
17	14	38	5	9	62	29	19	69	26	9	1	4
18	18	35	6	8	45	51	19	45	32	8	0	4
19	23	36	10	10	36	240	19	35	34	10	1	5
20	19	38	15	10	28	565	23	46	36	14	0	4
21	16	39	23	15	27	291	20	38	26	12	0	5
22	12	34	20	30	39	217	16	30	32	321	0	3
23	11	35	35	50	32	84	16	34	19	10	0	2
24	10	38	27	67	16	56	16	48	17	10	0	3
25	10	32	23	62	15	38	19	42	14	10	0	4
26	10	29	24	50	15	34	18	38	10	8	1	6
27	11	27	27	48	15	29	16	50	14	8	1	7
28	14	26	20	35	15	25	1070	126	16	6	0	9
29	16	28	5	25	..	25	116	67	16	3	1	9
30	14	29	1	8	..	24	56	46	16	5	1	10
31	14	..	1	4	..	22	..	45	..	3	0	..
Mean	12	32	19	22	28	81	64	40	47	19	0	3
Max.	23	53	35	67	72	565	1070	126	380	321	3	10
Min.	4	15	1	2	4	10	16	19	10	3	0	0
A.F.	736	1890	1190	1320	1550	4970	3800	2490	2820	1140	30	194

Total acre-feet 22130.

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Sec. 4-20-52 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	41	36	32	29	26	26	24	2	76	22	47
2	62	39	36	31	29	26	26	24	2	53	23	44
3	56	39	36	30	28	26	26	18	3	45	25	42
4	56	39	35	30	28	26	26	14	3	44	26	42
5	56	40	36	30	28	26	26	14	2	45	24	42
6	50	40	36	31	28	26	26	15	3	39	22	44
7	56	38	35	31	22	27	27	19	4	36	20	45
8	60	38	35	31	24	27	27	18	24	36	24	44
9	56	38	35	30	26	26	29	14	61	39	19	45
10	52	38	35	30	26	26	29	8	33	47	18	45
11	51	36	34	31	26	26	26	7	35	35	19	62
12	50	36	34	32	26	26	26	6	90	35	24	70
13	49	36	34	32	26	26	26	4	75	39	24	69
14	48	38	34	31	26	26	26	7	45	64	77	73
15	47	39	35	30	26	26	26	6	35	44	116	70
16	46	40	34	30	26	26	26	3	80	73	58	70
17	47	40	32	30	26	26	26	3	31	52	60	69
18	48	40	32	29	26	26	26	3	138	48	49	70
19	49	41	32	29	26	25	26	3	80	56	43	63
20	47	41	32	29	26	24	26	4	57	69	35	62
21	45	38	32	28	26	24	26	3	134	42	32	58
22	45	37	32	28	26	24	26	3	217	39	38	56
23	45	36	34	29	26	24	28	4	107	41	50	52
24	44	36	33	30	26	24	28	6	96	36	54	50
25	43	36	34	30	26	25	26	4	70	30	54	52
26	43	36	34	30	26	26	26	5	72	24	44	54
27	42	36	33	30	26	26	26	5	70	29	43	55
28	43	36	32	30	26	25	28	9	54	41	46	55
29	43	36	32	30	..	25	26	11	253	37	48	59
30	42	36	32	30	..	26	25	6	212	22	47	74
31	41	..	32	30	..	26	..	3	..	20	46	..
Mean	49	38	34	30	26	26	26	9	68	43	40	56
Max.	65	41	36	32	29	27	29	24	253	76	116	74
Min.	41	36	32	28	22	24	25	3	2	20	18	42
A.F.	3030	2260	2080	1850	1460	1570	1570	544	4040	2650	2440	3340

Total acre-feet 26830.

REPORT OF THE STATE ENGINEER

BEAVER CREEK AT GENOA—Sec. 14-17-4 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	83	100	50	80	105	121	130	857	183	64	46
2	60	83	101	50	65	90	119	104	1600	150	59	45
3	60	82	97	45	60	100	122	97	816	138	60	45
4	186	80	94	55	75	100	122	97	805	128	55	45
5	535	77	100	45	70	90	131	94	908	119	53	45
6	379	90	96	50	90	95	143	96	564	119	50	43
7	210	107	98	55	80	100	170	94	528	140	50	43
8	198	100	100	60	80	95	242	93	321	108	49	40
9	145	114	98	65	80	100	253	93	264	103	48	39
10	249	132	100	80	70	105	254	89	249	96	45	41
11	229	111	97	90	75	120	242	85	319	96	34	48
12	212	105	96	95	90	170	233	85	1360	94	42	69
13	97	96	97	100	105	370	235	92	1660	93	42	92
14	90	105	94	100	155	380	235	131	1200	96	42	65
15	85	107	94	80	300	290	200	823	764	87	49	57
16	84	194	96	65	370	290	164	873	442	88	54	54
17	87	183	70	105	380	250	138	233	353	84	45	49
18	93	143	45	95	360	230	126	161	321	78	42	50
19	94	138	65	85	270	182	122	164	244	79	42	49
20	96	128	70	90	220	126	111	156	214	84	41	49
21	110	122	95	90	195	124	107	131	205	87	43	49
22	114	121	120	65	150	136	105	112	1500	94	39	48
23	111	122	94	95	130	145	104	118	1330	93	37	48
24	105	121	98	95	120	142	108	97	880	83	39	49
25	101	105	83	110	115	143	121	100	787	79	52	50
26	100	100	83	120	100	143	133	98	612	78	58	51
27	96	101	82	110	100	138	130	94	467	77	49	52
28	94	100	65	110	100	132	115	101	331	77	49	53
29	94	100	40	85	...	128	110	117	220	74	49	54
30	90	100	75	45	...	134	233	134	299	69	49	56
31	87	...	60	65	...	130	...	172	...	64	46	...
Mean	140	112	87	79	146	158	158	163	681	98	48	51
Max.	535	194	120	120	380	380	254	873	1660	183	64	92
Min.	58	77	40	45	60	90	104	85	205	64	34	39
A.F.	8630	6640	5360	4860	8100	9690	9430	10040	40500	6030	2930	3020

Total acre-feet 115200.

BEAVER CREEK AT LORETTO—Sec. 26-21-7 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	48	62	40	35	45	74	53	212	71	34	27
2	37	47	58	40	50	45	72	52	124	62	34	26
3	35	46	57	40	55	45	72	50	128	57	33	26
4	37	46	58	45	55	60	79	47	257	53	31	26
5	49	46	58	45	55	55	107	44	189	52	29	26
6	82	52	60	45	55	55	188	45	160	51	29	25
7	73	77	60	50	55	57	249	46	148	48	29	25
8	75	86	60	50	55	60	189	46	95	46	29	25
9	76	76	59	50	55	60	173	45	82	44	28	24
10	66	76	58	55	55	61	201	45	440	42	28	26
11	62	76	57	60	55	66	208	45	103	42	27	30
12	56	77	56	65	55	93	220	45	489	41	27	32
13	53	73	56	65	55	111	181	59	463	40	32	32
14	52	71	54	60	90	81	126	50	355	38	30	31
15	51	73	53	55	302	62	97	119	284	38	29	30
16	49	91	50	40	259	76	83	68	183	37	29	31
17	50	105	40	55	213	71	75	68	129	37	29	31
18	58	91	35	55	203	66	69	71	107	37	27	31
19	74	86	55	55	120	68	64	66	100	36	28	30
20	76	92	56	55	80	70	60	60	93	43	26	29
21	67	92	56	45	80	74	57	55	103	54	26	30
22	61	84	58	40	75	85	55	52	443	46	25	31
23	56	73	54	60	70	94	74	52	597	43	25	31
24	54	70	54	64	60	95	94	50	539	42	25	32
25	54	67	53	69	60	88	82	48	440	41	27	33
26	52	62	54	78	55	79	71	45	281	42	30	34
27	50	64	53	80	50	73	64	44	152	41	30	34
28	49	64	45	70	50	77	60	52	108	39	28	34
29	50	64	35	50	...	81	58	91	90	38	27	35
30	49	64	45	25	...	80	58	135	78	36	27	35
31	48	...	45	25	...	75	...	111	...	34	27	...
Mean	56	71	53	53	88	71	109	60	232	44	28	30
Max.	82	105	62	80	302	111	249	135	597	71	34	35
Min.	35	46	35	25	35	45	55	44	78	34	25	24
A.F.	3450	4240	3280	3240	4870	4380	6470	3690	13830	2720	1760	1770

Total acre-feet 53700.

BUREAU OF IRRIGATION

505

BEAVER CREEK NEAR BEAVER CITY—Sec. 23-2-23 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	19	55	30	15	10	36	29	27	128	32	14
2	15	15	54	30	15	10	36	29	29	106	30	11
3	10	14	55	25	15	10	36	29	27	83	28	9
4	5	12	54	25	15	10	38	29	27	78	26	8
5	553	12	53	25	15	10	36	29	27	70	26	7
6	630	23	54	25	15	10	36	29	26	68	27	7
7	694	33	52	25	15	15	34	28	25	62	30	7
8	608	34	53	30	15	20	32	28	25	60	29	6
9	500	30	52	30	15	30	31	29	25	80	26	6
10	2240	26	52	30	20	40	41	29	25	400	21	7
11	1990	12	53	30	23	58	41	29	25	976	21	7
12	1550	9	53	30	25	55	39	28	164	226	20	7
13	1240	7	53	30	25	53	38	27	104	250	21	7
14	749	6	52	32	25	52	36	26	119	110	19	7
15	400	9	42	32	20	59	36	26	158	88	18	5
16	200	22	42	30	20	66	35	26	125	68	18	5
17	150	8	39	30	20	66	34	27	98	58	17	5
18	120	12	36	30	20	66	34	27	149	55	30	6
19	100	13	34	30	15	66	32	27	158	50	122	6
20	90	86	32	30	15	50	33	27	143	48	50	5
21	80	68	30	30	10	45	32	27	131	52	28	3
22	38	49	30	30	10	40	31	27	1240	48	21	3
23	25	47	32	30	10	40	31	27	749	46	17	3
24	27	46	34	30	10	38	31	27	575	45	15	3
25	38	45	34	25	10	37	31	27	348	42	15	3
26	54	48	35	25	10	37	31	27	510	42	14	3
27	96	50	35	25	10	36	31	27	680	39	12	3
28	58	56	35	20	10	36	31	28	667	36	21	3
29	41	58	33	15	..	37	30	28	531	38	70	3
30	36	56	31	15	..	36	30	27	226	36	31	3
31	29	..	30	15	..	36	..	27	..	35	20	..
Mean	400	31	43	27	16	38	24	28	239	114	28	6
Max.	2240	86	55	32	25	66	41	29	1240	976	122	14
Min.	5	6	30	15	10	10	30	26	25	35	12	3
A.F.24570	1830	2650	1660	859	2330	2030	1700	14210	6990	1740	346	..

Total acre-feet 60945.

BIRDWOOD CREEK NEAR HERSHEY—Sec. 2-14-33 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	132	169	172	140	140	160	146	143	156	140	90	115
2	146	162	169	140	160	160	176	134	143	132	90	110
3	156	146	166	130	160	200	223	140	146	134	90	112
4	227	143	172	130	140	150	200	137	196	137	86	108
5	294	162	169	140	160	137	243	146	166	108	101	97
6	200	179	166	160	150	134	159	140	153	99	103	94
7	243	179	172	170	140	137	166	134	153	103	101	97
8	183	150	169	170	130	150	176	137	146	108	99	90
9	176	169	166	180	130	169	156	140	130	112	94	253
10	156	166	159	180	130	172	207	143	215	115	90	227
11	166	169	166	190	130	172	150	169	150	115	85	207
12	166	166	162	207	140	162	150	211	270	103	94	190
13	166	166	159	186	150	146	150	207	153	97	123	156
14	153	166	156	156	170	140	150	186	137	182	129	137
15	150	166	159	150	193	137	126	159	140	169	115	132
16	159	153	156	140	196	153	112	159	146	159	112	143
17	162	140	132	140	182	153	120	156	143	166	126	146
18	166	156	134	140	162	156	134	150	305	137	112	153
19	204	169	156	140	159	169	146	169	153	118	118	146
20	182	169	140	153	156	159	156	166	150	120	108	143
21	172	169	140	166	156	159	156	150	182	132	110	137
22	156	162	137	169	172	162	146	129	266	204	115	134
23	150	172	146	182	166	159	150	134	140	169	118	134
24	137	179	143	169	162	143	153	143	140	159	123	137
25	126	162	146	159	143	129	162	146	140	118	120	129
26	134	186	140	159	143	118	162	146	143	134	118	137
27	140	196	150	156	156	132	156	150	137	132	118	140
28	143	182	130	146	166	156	162	223	132	123	115	137
29	143	179	130	150	..	153	166	223	169	118	115	137
30	150	186	130	150	..	153	166	196	156	105	115	137
31	159	..	130	150	..	156	..	159	..	92	115	..
Mean	169	167	152	158	155	153	162	159	167	130	108	140
Max.	294	196	172	207	196	200	243	223	305	204	129	253
Min.	126	140	130	130	130	118	112	129	132	92	85	90
A.F.10390	9950	9370	9720	8610	9390	9630	9770	9950	8010	6640	8360	..

Total acre-feet 109800.

REPORT OF THE STATE ENGINEER

BLACKWOOD CREEK NEAR CULBERTSON—Sec. 10-3-31 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	0	0	0	0	0	0	15	1	2	0
2	3	0	0	0	0	0	0	0	15	1	1	0
3	1	0	0	0	0	0	0	0	15	4	1	1
4	4	0	0	0	0	0	0	0	15	13	0	0
5	117	0	0	0	0	0	0	1	25	12	0	0
6	112	1	0	0	1	0	0	0	40	11	1	0
7	209	1	0	1	1	0	0	0	19	10	1	2
8	263	1	0	1	0	0	1	0	17	9	3	1
9	36	1	0	1	0	0	4	4	10	287	2	1
10	190	1	0	1	0	0	3	6	10	320	2	1
11	95	1	0	1	0	0	1	0	20	320	2	3
12	9	1	0	1	0	0	0	3	53	12	2	3
13	4	1	0	1	0	0	0	23	17	10	1	2
14	1	1	0	0	1	0	0	7	14	10	2	0
15	1	1	0	0	1	0	0	7	12	10	2	0
16	1	1	0	0	0	0	0	12	12	10	2	0
17	1	1	0	0	0	0	0	12	12	10	2	0
18	0	1	0	0	0	0	0	11	21	9	2	0
19	0	1	0	0	0	0	2	18	14	9	1	0
20	1	1	0	0	0	0	0	18	13	9	1	0
21	1	1	0	0	0	0	0	17	60	9	1	3
22	1	0	0	0	0	0	0	11	667	8	1	4
23	1	1	0	0	0	1	0	8	98	14	1	5
24	0	1	0	0	0	0	0	8	11	11	2	1
25	1	0	0	0	0	0	0	11	5	8	1	1
26	1	0	0	0	0	0	0	12	24	8	1	1
27	1	0	0	0	0	0	0	12	7	8	1	1
28	1	0	0	0	0	0	0	13	2	6	2	0
29	1	0	0	0	0	0	0	15	1	5	2	0
30	0	0	0	0	0	0	0	16	3	3	1	0
31	0	0	0	0	0	0	0	15	1	1	1	0
Mean	34	1	0	0	0	0	0	9	42	27	1	1
Max.	263	1	0	1	1	1	3	23	667	320	3	5
Min.	0	0	0	0	0	0	0	0	1	1	0	0
A.F.	2090	36	27	25	24	24	29	527	2470	1680	87	58

Total acre-feet 7080.

BLUE CREEK NEAR LEWELLEN—Sec. 30-16-42 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	56	93	75	70	85	88	73	56	83	2	1
2	18	56	90	80	75	90	88	72	56	76	1	1
3	18	61	91	85	70	95	92	76	50	70	1	1
4	22	63	93	95	70	95	94	75	53	75	2	2
5	22	73	95	110	110	87	88	73	47	88	1	2
6	25	83	95	115	110	83	83	55	54	81	0	4
7	43	83	95	115	80	89	86	40	54	72	0	4
8	59	88	95	110	70	94	89	39	54	59	0	2
9	59	88	93	105	85	94	90	32	62	54	0	2
10	44	90	92	105	90	95	108	32	65	48	0	3
11	47	88	91	100	105	96	97	31	65	58	0	13
12	49	91	92	95	115	97	87	35	107	58	0	29
13	46	96	90	92	120	94	88	32	127	55	2	18
14	36	100	91	90	110	92	89	10	73	38	2	12
15	43	98	95	90	101	90	87	2	67	27	8	12
16	43	98	96	90	96	89	87	2	61	22	7	16
17	46	93	82	110	102	86	87	2	60	17	3	15
18	54	92	75	116	105	89	86	2	96	10	1	14
19	60	92	85	95	96	89	84	10	93	7	4	14
20	57	91	94	90	87	88	86	2	68	0	4	14
21	58	90	94	90	93	91	85	2	66	0	1	14
22	57	84	94	94	97	95	84	1	84	4	0	10
23	58	86	95	93	97	96	84	0	98	4	0	8
24	59	92	94	93	86	95	85	0	63	2	1	10
25	61	87	94	95	82	96	80	0	46	2	3	10
26	60	93	96	93	80	95	76	0	36	1	2	12
27	58	95	98	95	80	92	77	1	26	1	1	10
28	56	96	85	91	80	91	81	62	19	1	2	19
29	56	97	90	80	...	93	81	86	183	1	1	16
30	56	95	90	75	...	90	76	61	132	1	1	17
31	56	...	90	70	...	89	...	47	...	2	1	...
Mean	47	86	92	95	92	92	86	31	71	33	2	10
Max.	61	100	98	116	120	97	108	86	183	88	8	29
Min.	18	56	75	70	70	83	76	0	19	0	0	1
A.F.	2880	5150	5640	5820	5080	5630	5140	1890	4210	2020	100	600

Total acre-feet 44160.

BUREAU OF IRRIGATION

507

BLUE RIVER, BIG, NEAR CRETE—Sec. 3-7-4 E.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2									1250			
3									2880			
4									2020			
5									2250			
6									3250			
7									1740			
8									1420			
9		958							806			
10		1400							710			
11	845	1330					1020		2140			
12	812	1050					2540		2910			
13	686	674					2060		6060			
14	626						1710		7910			
15							1360		6130			
16							938		4470			
17		1010			611		815		3970			
18		972			734				4010			
19		644			794				3050			
20							1210		3700			
21							1090		3840			
22							644		3500			
23									5430			
24									7180			
25									6900			
26									4580			
27									3240			
28									1780			
29									1270			
30									740			
31												

BLUE RIVER, BIG, AT BARNSTON—Sec. 13-1-7 E.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	162	168	312	98	121	258	234	422	732	1660	285	185
2	138	294	335	130	152	268	174	534	766	1230	255	165
3	237	290	320	150	214	240	283	355	1290	987	192	94
4	174	282	320	145	182	258	1300	364	2520	862	234	94
5	154	208	333	164	98	216	1840	400	5830	837	266	122
6	182	220	124	224	216	256	2490	298	10100	792	223	122
7	186	312	274	144	185	217	812	310	10100	701	176	88
8	172	623	214	178	160	304	506	323	4620	626	204	170
9	191	1430	181	180	146	185	323	293	2480	520	190	136
10	223	3140	210	234	198	221	8220	298	3250	491	194	180
11	250	3290	167	182	172	228	11500	293	2240	490	194	178
12	544	2510	112	175	166	239	4940	242	14000	498	272	214
13	1080	1800	236	178	139	326	2840	210	20100	416	200	168
14	881	1360	258	222	163	345	2780	280	9310	465	200	118
15	812	910	217	266	168	355	2380	291	7420	2000	217	162
16	706	742	169	201	226	506	1880	283	8870	1440	126	180
17	604	660	196	146	302	666	1530	246	7800	1080	94	160
18	462	1280	153	226	390	622	1280	158	7920	955	212	165
19	459	1550	154	210	584	548	976	312	8570	754	190	163
20	503	1090	140	242	678	519	780	234	7120	839	168	156
21	448	820	208	212	616	459	1220	242	8320	784	198	62
22	440	674	92	162	536	490	1640	390	7570	701	200	180
23	245	555	173	189	396	378	1400	438	27400	518	194	168
24	281	488	186	202	298	372	1090	292	21400	462	124	79
25	210	347	192	216	306	368	822	356	11700	472	173	137
26	147	330	264	209	300	370	638	372	9420	496	188	134
27	254	326	192	260	327	322	539	345	7810	423	105	145
28	326	446	144	258	337	286	500	1300	5950	426	225	64
29	241	342	178	204	...	284	485	2540	3630	388	236	148
30	234	270	104	211	...	244	490	1310	2510	331	186	135
31	230	...	170	103	...	370	...	820	...	252	174	...
Mean	361	886	204	191	278	347	1863	469	8025	739	197	143
Max.	1080	3290	336	266	678	666	11500	2540	27400	2000	285	214
Min.	138	168	92	98	98	185	174	158	732	252	94	62
A.F.	22170	52710	12550	11740	15420	21320	110900	28860	477500	45410	12090	8480

Total acre-feet 819200.

REPORT OF THE STATE ENGINEER

BLUE RIVER, LITTLE, NEAR ENDICOTT—Sec. 6-1-3 E.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	166	210	195	100	85	160	160	368	504	628	200	103
2	157	310	191	100	75	150	155	313	474	532	189	101
3	154	289	185	110	50	160	174	283	392	462	178	103
4	152	223	183	110	110	198	223	267	346	421	169	96
5	155	196	185	120	85	196	241	245	812	398	162	92
6	157	289	180	130	60	167	229	247	993	372	159	100
7	160	1010	183	160	80	182	189	261	1170	348	159	93
8	247	1210	178	170	80	176	174	240	675	324	138	92
9	637	1290	180	190	65	180	180	220	403	313	138	96
10	1010	2960	176	210	70	178	3490	200	328	298	128	121
11	1380	2140	173	220	100	178	2820	193	628	289	126	212
12	1560	1050	176	200	140	239	1960	193	2970	279	121	176
13	1780	726	167	140	170	589	981	189	6000	271	120	118
14	1900	550	167	130	178	777	640	187	6110	273	120	106
15	1090	454	167	130	202	556	514	187	4040	319	118	110
16	582	710	167	130	271	481	440	185	1610	680	118	104
17	474	1810	155	110	300	396	385	193	1060	1270	114	101
18	407	723	130	110	324	337	346	193	2900	1010	115	97
19	357	481	130	110	308	287	324	217	3240	750	113	94
20	326	428	120	120	281	263	359	221	2780	504	111	94
21	298	372	140	120	239	245	506	212	2840	414	108	92
22	281	324	183	120	200	229	469	848	5420	372	106	88
23	265	285	166	178	160	217	372	1500	13400	337	104	88
24	239	261	162	185	140	208	319	527	8050	298	104	96
25	239	241	162	177	130	195	293	385	3220	283	103	84
26	235	229	162	178	130	183	277	556	2740	269	107	90
27	221	221	162	171	150	178	267	445	2440	253	117	88
28	210	210	162	171	160	176	255	1760	2010	243	118	86
29	202	200	110	166	...	169	445	2810	1240	229	115	90
30	195	195	85	85	...	162	654	920	807	219	113	93
31	189	...	85	55	...	164	...	522	...	210	108	...
Mean	498	653	160	142	155	257	595	487	2653	415	129	103
Max.	1900	2960	195	220	324	777	3490	2810	13400	1270	200	212
Min.	152	195	85	55	50	150	155	185	328	210	103	84
A.F.	30600	38870	9850	8760	8610	15820	35390	29920	157900	25520	7930	6160

Total acre-feet 375300.

BUFFALO CREEK NEAR HAIGLER—Sec. 20-1-40 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	9	10	12	10	10	10	10	7	6	6	4
2	7	11	11	13	12	11	11	10	10	5	4	4
3	6	12	11	9	12	12	13	10	8	6	4	4
4	8	10	11	6	8	12	12	9	9	5	4	4
5	11	12	11	9	13	11	11	9	12	5	3	4
6	8	15	11	13	16	9	10	9	16	6	2	4
7	10	14	11	12	10	11	13	9	12	6	3	5
8	8	13	11	11	8	12	13	9	9	7	2	6
9	8	13	11	12	11	12	12	9	12	8	2	6
10	9	12	11	14	18	13	13	9	11	8	2	7
11	8	11	11	11	20	12	12	9	11	8	2	9
12	8	11	10	12	19	11	11	10	21	8	2	8
13	8	12	10	12	18	10	11	9	15	9	1	7
14	8	13	10	12	12	11	11	9	13	10	1	7
15	9	13	10	11	11	10	10	9	12	9	4	6
16	9	13	10	11	10	11	10	17	11	8	6	6
17	10	13	8	12	10	10	10	13	11	10	4	6
18	10	13	8	12	10	10	10	11	11	6	4	5
19	13	13	8	12	10	12	11	10	11	6	3	5
20	10	13	10	13	9	11	10	11	10	6	4	5
21	10	12	10	13	9	10	10	8	10	6	4	5
22	10	12	10	13	10	10	10	5	11	11	4	5
23	9	12	10	13	10	10	9	10	11	10	4	5
24	8	12	10	13	11	10	9	9	11	9	6	5
25	9	12	10	12	11	10	10	8	10	9	6	5
26	9	12	10	12	10	12	10	9	8	10	6	5
27	9	11	10	10	12	10	9	10	9	8	6	5
28	9	11	7	10	12	10	17	16	9	8	6	5
29	9	11	8	8	...	10	10	12	9	7	4	5
30	9	11	18	9	...	11	10	9	8	7	4	5
31	9	...	17	7	...	11	...	9	...	6	4	...
Mean	9	12	10	11	12	11	11	10	11	7	4	5
Max.	13	15	18	14	20	13	17	17	21	11	6	9
Min.	6	9	7	6	8	9	9	5	7	5	1	4
A.F.	554	718	642	688	660	659	647	608	653	459	239	324

Total acre-feet 6850.

BUREAU OF IRRIGATION

509

BUFFALO CREEK NEAR DARR, Sec. 28-11-22 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	2	0	0	0
2	0	0	0	0	0	0	0	0	1	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	3	0	0	0	0	0	0	0	0	0	0	0
5	257	0	0	0	0	0	0	0	3	0	0	0
6	60	0	0	0	0	0	0	0	1	0	0	0
7	212	0	0	0	0	0	0	0	2	0	0	0
8	215	0	0	0	0	0	0	0	1	0	0	0
9	18	0	0	0	0	0	0	0	0	0	0	0
10	4	0	0	0	0	0	0	0	1	23	0	0
11	2	0	0	0	0	4	0	0	0	29	0	0
12	1	0	0	0	0	3	0	0	21	2	0	0
13	1	0	0	0	0	1	0	0	7	1	0	0
14	0	0	0	0	2	3	0	0	2	1	0	0
15	0	0	0	0	17	1	0	0	0	1	0	0
16	0	0	0	0	2	1	0	0	0	0	0	4
17	0	0	0	0	2	0	0	0	0	177	0	2
18	0	0	0	0	1	0	0	0	7	6	0	4
19	0	0	0	0	0	0	0	0	1	1	0	6
20	0	0	0	0	0	0	0	0	0	0	0	5
21	0	0	0	0	0	0	0	0	0	0	0	8
22	0	0	0	0	0	0	0	0	4940	2	0	13
23	0	0	0	0	0	0	0	0	55	1	0	16
24	0	0	0	0	0	0	0	0	5	0	0	5
25	0	0	0	0	0	0	0	0	2	0	0	16
26	0	0	0	0	0	0	0	0	2	0	0	12
27	0	0	0	0	0	0	0	4	2	0	0	5
28	0	0	0	0	0	0	0	6	0	0	0	4
29	0	0	0	0	.	0	0	7	0	0	0	1
30	0	0	0	0	.	0	0	4	0	0	0	1
31	0	.	0	0	.	0	.	3	0	0	.	.
Mean	28	0	0	0	1	0	0	1	169	8	0	3
Max.	257	0	0	0	17	4	0	7	4940	177	0	16
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	1530	0	0	0	48	27	0	46	10030	490	0	203

Total acre-feet 12370.

BUFFALO CREEK—Sec. 33-9-18 W.
Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	15	98	145	20	52
2	13	98	142	18	104
3	12	46	87	17	104
4	13	44	83	17	106
5	13	44	82	17	101
6	14	42	81	15	26
7	14	42	68	15	26
8	6	15	67	15	26
9	14	15	65	7	26
10	14	16	61	7	15
11	12	16	52	6	16
12	12	17	52	5	17
13	13	17	50	2	108
14	13	50	148	2	109
15	13	52	145	1	120
16	13	95	137	1	118
17	13	94	156	1	118
18	13	95	153	1	117
19	13	97	53	1	116
20	13	103	202	1	115
21	13	97	193	1	115
22	11	200	48	1	103
23	11	200	47	1	103
24	11	300	43	1	102
25	10	400	45	2	102
26	10	400	46	10	102
27	9	383	43	10	97
28	9	377	40	9	30
29	29	146	25	47	30
30	27	148	25	48	30
31	27	..	20	52	..
Mean	13	125	84	11	78
Max.	29	500	202	52	120
Min.	9	15	20	1	15
A.F.	810	7430	5160	700	4670

REPORT OF THE STATE ENGINEER

CALAMUS RIVER NEAR BURWELL—Sec. 8-21-16 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	226	252	279	230	260	290	279	258	246	282	238	252
2	221	255	289	230	310	250	279	252	252	276	238	252
3	215	261	270	230	290	302	286	255	261	264	235	252
4	246	253	273	250	200	295	295	255	408	264	229	252
5	388	261	279	250	280	279	305	255	358	264	221	240
6	369	276	282	260	290	258	298	261	336	264	224	232
7	396	292	282	270	200	282	308	258	318	243	249	235
8	416	298	285	270	180	276	308	252	286	249	252	235
9	396	312	286	290	220	273	315	246	282	252	252	240
10	380	315	279	310	230	249	315	249	308	261	246	261
11	369	295	276	310	230	258	315	243	347	276	246	270
12	340	289	279	300	240	264	322	226	392	273	249	276
13	312	282	273	290	250	261	329	232	404	261	255	279
14	298	286	287	270	310	249	305	235	408	258	249	258
15	289	286	264	190	520	238	282	255	384	261	249	246
16	273	286	240	170	440	255	270	252	384	246	252	238
17	282	282	190	210	358	261	270	243	362	249	255	235
18	292	286	160	240	347	264	270	243	336	243	255	232
19	289	292	230	240	332	258	264	249	329	243	261	229
20	286	292	250	240	289	258	261	249	318	243	273	229
21	282	286	267	190	298	258	261	246	523	240	261	229
22	273	282	264	260	298	273	258	226	553	235	252	229
23	267	284	270	370	282	286	276	226	543	229	246	229
24	264	286	267	440	246	282	276	226	500	238	267	238
25	261	289	270	315	200	282	258	226	476	246	273	238
26	258	282	286	298	210	282	240	221	454	252	261	246
27	261	289	298	286	270	286	246	224	384	246	258	252
28	255	279	290	273	280	286	252	252	347	243	258	258
29	255	282	280	270	...	286	267	255	312	243	258	255
30	258	276	220	260	...	286	270	252	298	235	255	258
31	255	...	220	290	...	282	...	243	...	235	243	...
Mean	296	283	263	268	281	271	283	244	364	252	250	246
Max.	416	315	298	440	520	302	329	261	553	282	273	279
Min.	215	252	160	270	180	238	240	221	246	229	221	229
A.F.	13190	16850	16200	16470	15590	16680	16820	15000	21640	15500	15390	14630

Total acre-feet 199000.

CEDAR CREEK—Sec. 11-18-48 W.
Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	5	16	37	7	12
2	5	24	29	2	8
3	5	24	23	2	8
4	6	20	18	2	11
5	6	13	18	2	10
6	6	13	17	3	15
7	6	13	16	2	8
8	5	8	15	2	9
9	6	14	14	2	15
10	14	29	21	2	15
11	8	19	16	2	17
12	8	19	15	2	20
13	11	27	19	8	7
14	12	22	19	8	8
15	9	12	16	8	7
16	12	6	21	9	10
17	18	10	16	15	15
18	8	26	14	11	14
19	7	12	14	16	15
20	8	23	10	11	6
21	6	27	23	15	10
22	14	42	29	14	11
23	12	30	25	9	6
24	12	25	25	15	8
25	11	18	21	14	17
26	11	18	20	17	17
27	7	29	20	15	16
28	9	32	15	18	17
29	10	50	10	16	16
30	15	50	10	16	17
31	17	...	12	17	...
Mean	9	22	19	9	12
Max.	18	50	37	18	17
Min.	5	6	10	2	6
A.F.	570	1330	1150	560	720

BUREAU OF IRRIGATION

511

CEDAR RIVER NEAR FULLERTON—Sec. 33-17-6 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	158	193	243	85	110	200	234	193	2470	606	185	148
2	168	193	228	80	140	180	231	182	823	431	185	142
3	165	193	198	85	180	150	237	182	317	384	170	127
4	273	190	231	85	190	170	243	175	3080	341	168	140
5	287	193	228	80	200	180	270	175	840	330	130	140
6	287	231	221	90	170	170	317	187	1500	317	156	142
7	321	260	221	100	180	150	305	182	740	277	136	134
8	412	263	221	120	150	150	298	180	420	253	146	130
9	337	287	231	130	150	180	280	187	350	250	123	127
10	455	280	228	160	150	210	375	187	1430	266	115	134
11	384	277	224	180	160	250	367	180	476	260	136	146
12	502	270	215	200	170	310	375	182	4280	177	103	240
13	421	260	212	210	180	400	375	201	2250	198	121	196
14	402	263	212	230	250	370	341	212	891	201	172	177
15	398	280	221	220	590	290	358	3000	496	247	158	182
16	353	358	224	200	1000	230	421	836	982	257	144	148
17	353	291	170	180	730	290	426	426	863	212	152	154
18	389	270	70	190	410	300	398	325	828	212	146	154
19	337	287	85	200	310	300	273	402	588	236	144	158
20	295	284	110	220	250	290	257	250	453	1390	154	148
21	266	287	120	230	250	320	243	206	455	380	138	142
22	257	302	140	200	240	320	234	201	3500	243	127	158
23	237	333	140	210	230	313	234	196	4090	209	130	158
24	234	309	140	230	180	302	257	201	3090	198	123	138
25	237	280	110	260	150	250	253	196	3120	177	158	163
26	209	291	120	260	170	250	234	196	1560	206	163	163
27	212	280	110	240	180	243	204	193	1040	201	158	170
28	212	250	65	240	180	247	206	224	644	201	182	163
29	218	250	55	210	...	243	221	291	742	206	175	163
30	221	243	45	130	...	224	212	333	774	204	142	163
31	198	...	75	110	...	228	...	333	...	190	127	...
Mean	297	265	165	173	259	249	289	336	1436	299	147	155
Max.	502	333	243	260	1000	400	426	3000	4280	1390	185	240
Min.	158	190	45	80	110	150	204	175	317	177	103	127
A.F.	18240	15760	10140	10640	14380	15290	17210	20660	85470	18370	9060	9220

Total acre-feet 244400.

CEDAR RIVER NEAR SPALDING—Sec. 5-20-10 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	111	116	159	70	100	165	135	129	198	330	111	109
2	92	115	155	65	110	160	134	98	192	287	102	100
3	108	108	146	65	110	184	140	112	139	218	103	116
4	130	131	149	75	80	138	127	106	181	183	108	103
5	140	115	150	85	105	132	164	126	249	182	110	109
6	140	124	134	90	95	121	175	116	238	151	107	97
7	150	155	140	95	65	113	144	128	192	135	96	95
8	170	156	130	100	80	129	209	120	182	197	94	92
9	200	148	132	110	100	128	160	99	258	174	104	94
10	310	167	125	120	115	146	251	104	270	73	52	107
11	348	161	127	120	105	136	242	102	305	108	64	119
12	342	167	132	110	110	144	259	131	380	104	123	127
13	338	185	119	115	115	148	246	118	345	125	126	125
14	300	185	124	85	115	126	283	112	392	138	113	116
15	215	182	123	40	250	141	312	146	667	141	98	109
16	250	194	140	50	210	134	302	111	639	130	110	109
17	210	189	104	65	190	144	230	142	518	144	114	109
18	213	206	102	75	175	143	193	132	422	122	123	107
19	176	200	130	85	174	137	169	117	389	130	104	105
20	174	214	154	70	152	140	161	117	280	114	94	107
21	154	255	141	115	128	121	158	124	246	140	105	109
22	152	206	140	120	145	150	134	114	486	116	95	107
23	164	205	109	115	135	146	163	101	2020	129	96	109
24	137	202	130	119	125	178	163	108	2040	127	99	112
25	148	190	157	134	130	154	142	101	1230	124	96	112
26	136	174	139	141	155	155	149	115	905	123	140	112
27	141	202	122	149	200	167	143	97	688	123	130	114
28	146	176	106	137	175	130	147	132	611	128	103	112
29	129	182	110	125	...	141	129	132	497	116	108	116
30	117	168	70	120	...	137	124	152	428	105	105	116
31	125	...	70	110	...	135	...	157	...	108	105	...
Mean	153	173	128	99	134	143	183	119	520	146	104	109
Max.	348	255	159	149	250	184	312	157	2040	330	140	127
Min.	92	108	70	40	65	113	124	97	139	73	52	92
A.F.	11240	10270	7870	6100	7440	8770	10890	7340	30940	8980	6420	6480

Total acre-feet 122700.

REPORT OF THE STATE ENGINEER

CLEVELAND DRAIN—Sec. 6-20-52 W.

Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	17	16	12	11	6
2	21	13	9	7	3
3	22	13	5	12	3
4	19	12	9	10	4
5	13	11	16	7	6
6	7	4	9	8	7
7	8	11	9	15	17
8	13	12	9	10	10
9	18	11	20	8	4
10	7	11	19	11	9
11	15	11	12	4	8
12	23	20	10	4	17
13	27	21	9	9	23
14	22	10	3	11	22
15	27	15	11	15	23
16	25	16	33	6	25
17	24	11	26	16	23
18	21	36	28	15	20
19	20	12	28	2	17
20	26	11	28	3	13
21	23	50	45	18	13
22	21	63	19	4	17
23	19	30	17	12	10
24	24	18	25	6	14
25	25	15	22	12	15
26	24	11	19	11	18
27	18	7	20	12	20
28	25	7	19	7	23
29	23	30	12	5	20
30	21	18	9	7	19
31	11	..	7	7	..
Mean	20	18	17	9	14
Max.	27	63	45	18	25
Min.	7	4	3	2	3
A.F.	1210	1040	1030	560	850

DAWSON COUNTY DRAIN NO. 2

Sec. 25-10-23 W.

Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	3	4	10	5	8
2	3	3	9	5	8
3	3	3	9	6	8
4	3	3	8	6	8
5	3	3	7	6	8
6	3	3	7	6	7
7	2	3	7	5	7
8	2	3	7	5	7
9	2	3	5	5	7
10	2	3	5	5	7
11	2	7	5	5	7
12	2	7	5	5	7
13	2	8	5	5	7
14	2	12	6	8	7
15	3	8	6	8	7
16	3	8	5	7	6
17	3	8	8	7	6
18	3	9	8	6	5
19	3	9	8	6	5
20	3	4	8	6	5
21	3	4	6	6	5
22	3	20	7	6	4
23	3	20	6	10	4
24	3	20	6	10	3
25	3	20	6	10	3
26	3	20	6	10	3
27	3	12	6	10	2
28	3	12	5	10	3
29	3	10	6	10	3
30	3	10	5	8	2
31	3	..	5	8	..
Mean	3	9	7	7	6
Max.	3	20	10	10	8
Min.	2	3	5	5	2
A.F.	170	510	400	430	340

DISMAL RIVER AT DUNNING—Sec. 4-21-24 W.

Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	274	306	277	290	310	336	265	300	312	292	268	274
2	257	297	277	280	400	339	297	292	309	297	286	280
3	286	280	286	270	430	363	333	315	342	306	292	286
4	391	286	294	300	270	363	333	315	369	303	271	277
5	525	300	292	320	360	321	397	315	360	294	257	271
6	357	300	292	350	480	297	342	330	348	286	257	265
7	397	327	292	350	260	315	321	294	336	283	262	280
8	360	318	283	340	310	303	345	271	330	268	280	271
9	324	339	297	360	340	306	339	283	330	271	283	324
10	294	339	321	350	340	289	375	283	388	312	274	378
11	286	336	330	370	380	297	351	292	327	306	277	385
12	294	327	289	340	380	303	321	271	441	303	297	339
13	306	354	297	350	400	297	315	286	400	306	283	309
14	321	342	300	350	410	303	330	277	385	309	283	297
15	306	351	280	320	440	286	312	274	366	345	289	292
16	309	333	265	320	476	312	315	262	360	339	292	286
17	312	318	268	370	416	315	336	274	360	382	300	300
18	289	318	274	380	378	309	318	286	422	351	286	297
19	303	321	309	400	345	324	330	297	428	312	306	300
20	312	318	321	380	324	303	333	292	397	321	300	309
21	312	324	312	330	327	306	330	289	425	312	277	294
22	312	309	312	360	297	306	330	297	466	297	289	297
23	315	292	309	400	274	348	333	286	397	300	292	297
24	306	286	318	391	248	315	303	294	354	297	303	306
25	309	283	321	385	257	318	309	286	363	289	292	306
26	280	294	318	351	283	300	294	277	372	289	303	312
27	292	280	321	330	294	312	306	292	342	282	289	321
28	318	280	245	312	324	289	312	363	324	280	294	321
29	306	289	220	315	..	260	342	354	324	277	283	318
30	300	277	220	310	..	274	321	315	339	274	292	324
31	306	..	290	300	..	286	..	315	..	265	277	..
Mean	318	311	291	341	348	310	326	296	367	302	285	304
Max.	525	354	330	400	480	363	397	363	466	382	306	385
Min.	257	277	220	270	248	260	265	262	309	265	257	265
A.F.	19560	18490	17910	20970	19340	19030	19410	18200	21850	18560	17520	18080

Total acre-feet 228900.

BUREAU OF IRRIGATION

513

DRIFTWOOD CREEK NEAR McCOOK—Sec. 12-2-30 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1	1	0	0	0	0	0	1	4	0	0
2	0	1	1	0	1	0	1	0	1	3	0	0
3	0	1	1	0	1	0	0	0	0	2	0	0
4	10	1	1	0	0	1	0	0	0	2	0	0
5	823	1	1	0	1	0	1	0	0	2	0	0
6	118	1	1	1	1	0	0	0	1	1	0	0
7	761	2	1	1	1	0	0	0	2	0	0	0
8	849	1	1	0	0	0	0	0	0	1	0	0
9	49	1	1	0	0	0	1	0	0	265	0	0
10	1260	2	1	1	0	1	1	0	0	25	0	0
11	301	2	1	1	0	5	1	0	0	13	0	0
12	26	1	1	1	1	12	2	1	32	7	0	0
13	11	1	1	1	1	8	1	0	33	7	0	0
14	6	1	1	1	1	4	1	0	20	7	0	0
15	4	1	1	0	1	3	0	0	8	7	0	0
16	3	3	1	0	1	2	1	1	6	6	0	0
17	2	2	1	0	1	3	1	1	5	5	0	0
18	2	2	0	0	1	3	0	1	3	2	0	0
19	2	2	0	0	0	3	1	1	3	1	0	0
20	2	2	1	0	0	3	1	1	3	1	0	0
21	2	2	1	0	0	2	1	0	5	1	0	0
22	1	1	1	0	0	2	0	8	120	2	0	0
23	1	1	1	0	0	1	0	18	99	2	0	0
24	1	1	1	0	0	1	0	16	231	6	0	0
25	1	1	1	0	0	1	0	14	1490	4	0	0
26	1	1	1	1	0	1	0	13	367	2	0	0
27	1	1	1	1	0	0	0	14	101	1	0	0
28	1	1	1	0	0	0	0	4	21	1	0	0
29	1	1	1	0	0	0	0	7	11	1	0	0
30	1	1	0	0	0	1	0	3	6	0	0	0
31	1	0	0	0	0	0	0	1	0	0	0	0
Mean	137	1	1	1	1	2	1	3	86	12	0	0
Max.	1260	3	1	1	1	12	2	18	1490	265	0	0
Min.	0	1	0	0	0	0	0	0	0	0	0	0
A.F.	8410	73	42	32	35	121	37	215	5100	763	11	3

Total acre-feet 14840.

DUGOUT CREEK, UPPER
Sec. 20-20-50 W.

Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	2	1	7	8	14
2	1	1	5	19	2
3	1	1	1	19	8
4	1	14	3	16	8
5	1	53	3	5	14
6	1	52	3	12	10
7	1	61	17	23	11
8	1	60	45	4	13
9	1	19	70	14	13
10	1	4	40	10	16
11	1	1	25	10	57
12	31	1	28	10	43
13	21	35	60	5	33
14	21	2	17	8	31
15	1	1	8	4	49
16	1	7	8	6	57
17	1	23	3	8	79
18	1	48	10	4	24
19	1	59	36	6	32
20	15	59	16	4	19
21	21	102	605	6	37
22	31	60	600	7	24
23	13	33	181	6	25
24	5	18	138	27	31
25	7	33	112	5	27
26	3	22	75	5	31
27	6	21	71	5	30
28	10	13	58	7	35
29	2	110	41	8	24
30	14	70	13	6	51
31	1	1	13	6	6
Mean	7	33	75	9	28
Max.	31	102	605	27	79
Min.	1	1	1	3	2
A.F.	430	1950	4590	530	1680

REPORT OF THE STATE ENGINEER

ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	122	262	381	170	140	250	398	332	491	2000	161	101
2	121	259	363	160	150	230	387	310	789	1570	159	94
3	117	253	337	150	140	240	392	290	701	1500	149	90
4	129	245	345	140	130	240	392	250	671	1140	136	90
5	210	242	345	140	130	240	447	272	757	990	125	84
6	282	262	339	160	140	250	696	278	835	841	122	80
7	302	328	328	170	150	260	815	270	1090	713	119	76
8	396	339	332	180	140	260	852	260	1220	609	116	74
9	454	354	328	190	150	260	862	249	1320	525	108	76
10	514	383	322	210	160	264	980	242	1520	470	103	88
11	575	392	314	220	160	282	1110	232	1680	422	101	101
12	754	408	306	220	170	324	1310	230	2070	387	108	108
13	994	396	298	210	180	348	1470	227	2740	352	114	117
14	1020	406	280	200	260	341	1620	223	3190	328	113	98
15	920	418	280	160	360	300	1780	243	3860	310	111	94
16	802	457	284	130	410	322	1550	238	3650	298	109	101
17	741	486	110	140	450	320	1200	236	3080	280	105	101
18	692	517	60	160	480	328	994	238	2580	262	103	100
19	592	539	90	180	440	343	869	257	2190	251	122	90
20	528	572	130	180	400	341	731	236	1730	272	122	86
21	467	615	220	170	410	372	629	221	1430	272	108	88
22	420	609	260	140	380	389	547	225	1980	245	97	84
23	394	570	240	210	330	422	530	216	4600	232	92	86
24	370	530	240	260	290	449	522	209	11000	216	94	89
25	348	506	240	270	290	457	486	207	8800	210	111	89
26	332	467	240	270	260	444	454	194	6400	203	121	95
27	314	439	230	280	250	430	420	196	4900	194	121	98
28	298	418	130	280	250	422	389	255	3700	183	111	103
29	290	406	80	250	...	408	372	316	3100	180	106	101
30	282	392	100	160	...	406	356	359	2600	170	105	103
31	270	...	150	120	...	401	...	385	...	161	105	...
Mean	453	416	248	190	257	334	785	256	2822	503	115	93
Max.	1020	815	381	280	480	457	1780	385	11000	2000	161	117
Min.	117	242	60	120	130	230	356	194	491	161	92	74
A.F.	27870	24730	15280	11660	14280	20520	46710	15720	167900	30910	7090	5520

Total acre-feet 388200.

ELKHORN RIVER AT NORFOLK—Sec. 3-23-1 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	215	468	572	200	220	200	618	562	4170	3270	290	128
2	212	441	572	200	220	190	602	514	3260	2600	287	138
3	212	419	552	180	240	190	607	481	942	2160	253	167
4	236	415	547	150	210	190	677	450	1450	1860	240	172
5	327	394	572	160	200	180	825	432	1430	1680	227	203
6	411	441	602	220	190	180	896	428	1190	1520	230	218
7	495	582	655	260	190	200	870	419	1360	1210	256	186
8	514	572	655	280	200	200	969	398	1950	1000	230	195
9	557	547	671	300	210	220	1050	377	1870	831	221	233
10	671	623	694	320	220	250	1200	373	3150	722	178	259
11	781	671	688	320	230	330	1260	369	2410	655	154	270
12	763	660	666	320	280	480	1270	350	3800	602	165	287
13	949	644	634	330	320	1300	1390	504	5550	562	189	253
14	962	666	618	350	380	1100	1510	445	3500	491	183	221
15	825	688	612	350	520	840	1810	694	3320	459	172	186
16	794	812	602	330	820	700	1950	557	3610	432	192	181
17	825	781	500	340	1100	1000	1740	454	3790	415	172	209
18	806	775	350	340	840	1000	1420	411	3310	390	170	224
19	757	787	210	330	680	780	1130	398	2670	365	195	209
20	677	800	280	340	610	630	882	423	2300	402	186	206
21	671	787	350	350	590	610	740	390	2090	454	195	167
22	671	800	420	350	580	644	658	373	3130	432	189	147
23	660	818	460	350	570	666	666	385	4670	419	183	167
24	660	775	480	340	550	699	592	358	5030	398	162	170
25	660	722	430	350	530	705	547	320	8620	385	157	175
26	644	639	430	380	420	688	607	323	11400	365	167	175
27	602	607	390	390	230	655	618	327	8830	354	181	178
28	572	577	320	400	200	644	582	419	6660	338	192	147
29	543	577	160	410	...	628	577	577	5170	327	197	140
30	523	592	140	260	...	618	582	806	4120	305	195	149
31	491	...	180	220	...	623	...	775	...	284	165	...
Mean	603	636	484	304	412	559	962	455	3825	829	199	192
Max.	962	818	694	410	1100	1300	1950	806	11400	3270	290	287
Min.	212	394	140	150	190	180	547	320	942	284	154	128
A.F.	37060	37840	29780	18680	22910	34390	57270	27950	227600	50950	12240	11420

Total acre-feet 568100.

BUREAU OF IRRIGATION

515

ELKHORN RIVER AT WATERLOO—Sec. 21-16-10 E.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	383	854	1040	300	530	830	1160	1270	5150	9210	764	360
2	379	805	978	330	540	910	1140	1250	8480	5790	748	360
3	379	758	949	350	460	990	1140	1190	8660	4300	731	360
4	386	726	1020	390	410	900	1150	1120	9460	3500	709	360
5	421	714	1050	420	470	890	1180	1060	9250	2970	687	360
6	433	731	1080	500	480	580	1280	1030	5160	2720	600	360
7	511	887	1030	560	500	830	1490	985	5810	2760	600	360
8	835	1310	1030	540	540	800	1830	956	5590	2420	600	360
9	823	1360	1020	560	570	780	1850	914	4760	2060	600	360
10	1090	1260	1020	550	570	760	3250	868	4360	1830	600	360
11	1170	1210	1010	570	530	780	3830	835	4680	1690	600	446
12	1200	1150	1010	570	520	810	3220	811	8140	1570	490	480
13	1190	1100	1000	580	530	980	2720	829	13100	1490	490	520
14	1080	1080	935	570	550	1500	2600	829	10600	1400	490	560
15	1040	1090	914	580	580	1300	2640	2060	10400	1330	490	607
16	1220	1240	928	590	710	1100	2280	2100	8690	1260	490	500
17	1540	2260	861	610	1300	1130	2360	1980	6790	1250	490	429
18	1780	2070	515	610	2000	1250	2260	1860	6550	1230	490	394
19	1680	1840	502	600	1700	1180	1960	1470	6030	1140	430	368
20	1520	1670	529	600	1400	1290	1820	1240	4870	1130	430	356
21	1330	1620	557	650	1300	1530	1860	1130	4180	1090	430	345
22	1170	1500	644	730	1200	1980	1790	1130	6080	1090	430	334
23	1060	1430	720	820	1200	1990	1700	1140	8100	1070	430	334
24	1040	1410	787	850	1100	1740	1720	1090	7530	1040	430	327
25	1360	1390	835	810	1000	1580	2000	992	8070	1010	430	320
26	2070	1280	835	790	970	1460	1560	1010	9810	985	390	320
27	1260	1270	874	700	910	1390	1320	970	8870	956	390	320
28	1050	1260	520	630	820	1350	1220	985	9620	921	390	320
29	1010	1170	230	580	...	1300	1220	1210	10500	887	390	317
30	942	1090	420	450	...	1250	1260	1360	12200	842	390	320
31	887	...	330	510	...	1200	...	1450	...	799	390	...
Mean	1040	1251	812	577	835	1183	1894	1198	7716	1992	517	384
Max.	2070	2260	1080	850	2000	1990	3830	2060	13100	9210	764	607
Min.	379	714	230	300	410	760	1140	811	4180	799	...	317
A.F.	64000	74450	49930	35500	46390	72710	112700	73630	459200	122500	31770	22840

Total acre-feet 1166000.

ELKHORN RIVER AT EWING—Sec. 35-27-9 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	40
2	60	38
3	57	36
4	55	36
5	52	33
6	50	32
7	50	32
8	50	30
9	48	32
10	47	33
11	46	36
12	46	40
13	46	32
14	46	36
15	46	38
16	46	37
17	44	36
18	48	36
19	50	32
20	46	32
21	43	32
22	40	32
23	38	32
24	40	32
25	46	33
26	48	34
27	46	34
28	43	35
29	42	35
30	41	36
31	63	40	...
Mean	47	34
Max.	62	40
Min.	38	30
A.F.	2900	2050

Note: Recorder started July 30, 1947.

REPORT OF THE STATE ENGINEER

ELKHORN RIVER, SOUTH FORK, AT EWING—Sec. 2-26-9 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	44	28
2	150	46	27
3	131	44	25
4	103	36	28
5	103	36	27
6	82	35	28
7	82	35	28
8	70	35	28
9	60	35	28
10	55	31	31
11	55	28	35
12	50	25	33
13	52	35	33
14	42	36	31
15	42	40	31
16	42	31	30
17	44	35	31
18	44	31	31
19	44	35	31
20	57	35	28
21	50	33	27
22	52	31	23
23	44	27	23
24	40	31	24
25	42	30	25
26	42	28	27
27	40	27	28
28	38	27	28
29	40	28	28
30	36	28	30
31	40	30	...
Mean	59	33	28
Max.	150	46	35
Min.	36	25	23
A.F.	3510	2040	1700

Note: Recorder started July 2, 1947.

ELM CREEK—Sec. 33-9-18 W.
Water Year Ending September 30, 1947

Day	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	0
6	0	0	1	0	0
7	0	0	1	0	0
8	0	0	1	0	1
9	0	0	0	0	1
10	0	3	0	0	1
11	0	3	5	0	1
12	0	4	5	0	1
13	0	4	5	0	1
14	0	6	52	0	1
15	0	5	39	0	1
16	0	4	35	0	1
17	0	4	33	0	1
18	0	4	30	0	1
19	0	4	52	0	1
20	0	4	5	0	0
21	0	4	5	0	0
22	0	8	3	0	0
23	0	18	3	0	0
24	0	16	3	0	0
25	0	14	1	0	0
26	0	12	1	0	0
27	0	11	1	0	0
28	0	11	0	0	0
29	0	1	0	0	0
30	0	1	0	0	0
31	0	..	0	0	..
Mean	0	5	9	0	1
Max.	0	18	52	0	1
Min.	0	0	0	0	0
A.F.	0	280	570	0	20

BUREAU OF IRRIGATION

517

ELM CREEK NEAR OVERTON—Sec. 17-10-19 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	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	52	0	0	0	0	0	0	0	0	0	0	0
5	963	0	0	0	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0	0	0	0
7	162	0	0	0	0	0	0	0	0	0	0	0
8	41	0	0	0	0	0	0	0	0	0	0	0
9	1	0	0	0	0	0	0	0	0	0	0	0
10	15	0	0	0	0	2	0	0	0	2	0	0
11	1	0	0	0	0	10	0	0	0	3	0	0
12	0	0	0	0	0	10	0	0	0	0	0	0
13	0	0	0	0	9	10	0	0	0	0	0	0
14	0	0	0	0	26	10	0	0	0	74	0	0
15	0	0	0	0	25	10	0	0	0	5	0	0
16	0	0	0	0	5	6	0	0	0	2	0	0
17	0	0	0	0	1	7	0	0	1	208	0	0
18	0	0	0	0	0	6	0	0	36	7	0	0
19	0	0	0	0	0	4	0	0	3	3	0	0
20	0	0	0	0	0	1	0	0	12	1	0	0
21	0	0	0	0	0	0	0	0	321	0	0	0
22	0	0	0	0	0	0	0	0	2080	0	0	0
23	0	0	0	0	0	0	0	0	20	0	0	0
24	0	0	0	0	0	0	0	0	6	0	0	0
25	0	0	0	0	0	0	0	0	3	0	0	0
26	0	0	0	0	0	0	0	0	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
Mean	40	0	0	0	2	2	0	0	8	10	0	0
Max.	963	0	0	0	26	10	0	0	2080	208	0	0
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	2460	0	0	0	131	151	0	0	4930	605	0	0

Total acre-feet 8280.

FREMONT SLOUGH—Sec. 17-13-29 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	5	6	6	6	7	8	9	8	6	7	7
2	3	5	6	6	6	7	8	8	8	6	7	7
3	3	5	6	6	6	7	8	8	8	6	7	7
4	3	5	6	6	6	7	8	9	10	6	7	7
5	9	5	6	6	6	7	8	11	8	9	6	7
6	7	6	6	6	7	7	8	10	7	8	6	7
7	7	6	6	6	7	7	7	10	7	9	5	8
8	6	6	6	6	6	7	7	11	7	9	5	8
9	6	6	6	6	6	7	7	11	7	9	5	8
10	6	6	6	6	6	7	7	12	7	9	6	8
11	6	6	6	6	6	7	7	12	7	8	6	8
12	6	6	6	6	7	7	7	12	7	11	6	8
13	6	6	6	6	7	7	7	11	7	9	6	8
14	6	6	6	6	7	7	7	11	6	7	6	8
15	6	6	6	6	7	7	7	10	8	7	6	8
16	6	6	6	6	7	7	7	10	8	7	6	8
17	6	6	6	6	7	7	7	10	8	7	7	8
18	6	6	6	6	7	7	7	10	8	7	6	8
19	6	6	6	6	7	7	7	9	8	7	8	6
20	6	6	6	6	6	7	7	9	8	7	7	8
21	6	6	6	6	6	7	7	9	8	7	7	8
22	6	6	6	6	6	7	7	9	8	7	7	8
23	6	6	6	6	6	7	7	9	8	7	7	8
24	6	6	6	6	6	7	7	9	8	6	7	8
25	6	6	6	6	6	7	7	9	8	6	7	8
26	6	6	6	6	6	7	7	9	8	6	7	8
27	6	6	6	6	6	7	7	9	8	6	7	8
28	5	6	6	6	6	7	7	8	8	6	7	8
29	5	6	6	6	6	7	7	8	8	6	7	8
30	5	6	6	6	6	7	7	9	8	6	7	8
31	5	6	6	6	6	7	7	9	8	6	7	8
Mean	6	7	6	6	6	7	7	8	8	6	6	7
Max.	9	9	6	6	7	10	8	12	9	11	8	8
Min.	3	5	5	6	6	7	8	6	6	5	7	6
A.F.	340	400	360	410	440	460	580	480	450	400	470	390

Total acre-feet 5180.

Computed from two daily observations.

REPORT OF THE STATE ENGINEER

FREMONT SLOUGH—Sec. 16-13-30 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	20	22	20	21	21	23	19	22	23	11	9
2	11	20	22	20	21	20	23	19	22	21	11	9
3	12	20	22	20	21	19	23	19	22	19	11	10
4	18	21	22	19	21	19	23	19	22	17	11	10
5	19	21	22	19	21	19	23	18	22	15	10	10
6	20	21	22	18	21	20	23	18	22	13	10	10
7	25	29	22	18	22	20	22	17	22	13	9	10
8	25	29	22	18	22	20	22	16	22	13	9	10
9	25	30	22	18	23	20	22	16	22	13	9	10
10	25	35	22	18	23	20	22	16	22	13	8	10
11	25	35	22	18	23	21	22	16	23	13	8	11
12	25	35	22	20	23	21	21	16	25	13	8	11
13	25	35	22	20	23	21	21	16	25	17	8	11
14	25	35	22	20	23	21	21	16	25	17	8	11
15	25	35	22	21	23	21	21	16	25	17	8	11
16	25	35	21	21	23	22	21	17	25	17	8	11
17	25	35	21	21	23	22	21	17	25	17	8	11
18	25	35	20	21	23	22	21	17	25	17	8	11
19	25	35	19	22	23	22	21	17	25	17	8	11
20	25	30	19	22	23	22	21	17	25	17	8	11
21	25	28	19	22	23	23	21	17	25	17	8	11
22	25	26	19	22	23	23	21	17	25	17	8	11
23	25	25	19	22	23	23	21	17	25	17	9	11
24	25	25	19	22	23	23	21	17	25	17	9	11
25	25	25	19	22	23	23	21	17	25	17	9	11
26	24	25	19	22	22	23	21	17	25	17	9	11
27	23	25	20	22	22	23	21	17	25	16	9	11
28	23	24	22	22	22	23	21	22	25	15	9	11
29	22	24	22	22	..	23	20	22	25	14	9	11
30	21	23	21	22	..	23	20	22	25	13	9	11
31	20	..	21	22	..	23	..	22	..	12	9	..
Mean	23	28	21	20	22	21	22	18	24	16	9	11
Max.	25	35	22	22	23	23	23	22	25	23	11	11
Min.	11	20	19	18	21	19	20	16	22	12	9	9
A. F.	1390	1670	1290	1260	1240	1320	1280	1090	1420	980	550	630

Total acre-feet 14120.

FRENCHMAN RIVER BELOW CHAMPION—Sec. 22-6-39 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	56	49	51	48	46	36	47	28	49	28	29
2	46	54	50	51	48	48	35	48	42	56	22	26
3	44	53	51	50	49	48	35	47	44	57	25	28
4	47	52	51	49	48	40	36	46	39	55	28	28
5	51	49	50	48	48	45	37	47	42	55	24	26
6	49	52	50	48	49	44	33	46	42	43	27	25
7	54	54	49	47	40	45	36	44	40	33	10	32
8	52	48	48	47	50	34	36	36	38	48	27	31
9	51	55	50	48	48	33	37	33	39	44	27	27
10	54	54	45	48	47	34	40	31	41	39	23	29
11	50	54	46	47	47	35	38	35	43	33	29	38
12	53	51	32	48	48	37	38	45	54	36	28	36
13	50	52	33	49	42	36	34	43	51	36	26	35
14	53	52	36	49	51	38	39	62	50	37	27	35
15	48	52	37	50	47	35	35	56	50	38	26	53
16	49	54	37	50	48	33	37	60	50	42	28	51
17	48	53	32	50	48	35	36	61	49	44	29	47
18	47	54	24	50	49	36	36	53	47	43	32	46
19	48	53	39	50	51	36	37	53	46	44	28	45
20	46	53	23	52	51	35	36	50	47	37	29	44
21	46	52	32	52	51	35	40	51	58	33	30	45
22	44	52	40	52	51	35	34	46	57	37	28	50
23	46	54	59	52	50	34	38	47	67	35	28	49
24	59	55	54	50	49	36	38	47	139	45	25	50
25	57	52	51	51	48	34	42	32	113	94	32	55
26	31	52	50	51	48	35	42	28	98	82	25	48
27	29	51	42	51	46	34	41	22	80	41	26	44
28	38	54	41	50	49	35	52	26	55	36	31	44
29	42	54	40	47	..	34	50	32	54	34	28	44
30	40	48	44	47	..	35	49	32	54	31	26	40
31	55	..	44	52	..	35	..	35	..	28	26	..
Mean	48	53	43	50	48	37	38	43	55	44	27	39
Max.	59	56	59	52	51	48	52	62	139	94	32	55
Min.	29	48	23	47	40	33	33	22	28	28	10	25
A. F.	2920	3130	2640	3050	2680	2290	2290	2660	3290	2710	1640	2340

Total acre-feet 31640.

BUREAU OF IRRIGATION

FRENCHMAN RIVER NEAR IMPERIAL—Sec. 3-5-38 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	72	80	80	88	70	60	75	61	76	54	51
2	69	77	84	80	86	67	63	78	59	76	61	56
3	71	75	84	85	83	73	63	79	69	78	52	57
4	77	82	82	85	81	77	61	77	73	78	51	51
5	77	78	87	85	81	69	59	76	69	78	57	50
6	77	82	89	85	83	70	52	73	70	79	51	50
7	79	84	84	81	84	70	61	73	69	75	44	51
8	76	82	74	82	51	79	60	72	63	82	43	48
9	77	84	81	77	71	53	62	67	70	84	45	54
10	87	82	82	78	77	68	66	62	61	78	48	53
11	81	83	81	84	75	68	68	57	64	76	51	61
12	77	81	79	79	79	66	70	57	72	72	52	59
13	76	78	70	81	76	68	67	65	76	67	53	60
14	82	83	60	71	70	67	64	70	83	63	50	57
15	81	85	70	71	74	52	62	81	72	69	52	57
16	83	81	72	71	78	59	60	91	71	75	56	62
17	80	85	68	76	83	57	59	92	72	70	56	64
18	73	81	65	74	72	60	61	84	65	57	52	72
19	78	89	55	72	73	66	65	86	69	72	53	70
20	76	85	51	80	79	66	59	84	73	72	54	60
21	75	82	58	83	75	67	65	83	83	75	55	65
22	82	85	57	78	80	72	69	86	87	63	55	63
23	78	84	62	84	78	68	63	73	82	69	56	71
24	76	85	70	76	82	63	58	66	109	63	58	72
25	77	85	75	83	78	69	63	69	161	60	54	72
26	90	87	85	85	69	68	63	67	144	94	53	77
27	70	76	81	85	72	67	63	60	120	92	52	80
28	60	76	70	87	72	66	72	61	102	72	52	74
29	70	79	35	77	..	67	80	58	82	68	56	81
30	74	87	75	40	..	57	75	52	69	61	57	75
31	71	..	80	70	..	60	..	62	..	57	52	..
Mean	76	82	72	78	77	66	64	72	81	73	53	62
Max.	90	89	89	87	88	79	80	92	161	94	61	81
Min.	60	72	35	40	51	52	52	52	59	57	43	48
A.F.	4700	4870	4450	4810	4260	4060	3790	4440	4800	4460	3240	3720

Total acre-feet 51600.

FRENCHMAN CREEK NEAR ENDERS—Sec. 10-5-37 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	88	88	102	91	95	85	81	85	78	98	72	68
2	84	89	97	92	100	80	80	87	72	92	73	77
3	83	91	101	93	103	86	84	86	75	94	72	75
4	87	91	102	97	96	93	82	88	86	93	64	70
5	87	96	103	97	107	93	77	86	81	92	70	68
6	89	99	99	99	99	88	79	83	80	90	67	68
7	92	100	100	98	82	87	77	81	81	89	62	70
8	92	100	98	96	66	91	81	84	80	92	63	64
9	91	101	98	95	92	88	81	82	81	99	62	69
10	95	103	96	90	107	73	88	80	81	91	63	72
11	98	100	98	93	108	84	88	75	79	88	59	84
12	95	100	90	96	106	79	87	75	89	80	63	87
13	91	99	88	91	99	79	90	77	86	77	70	75
14	94	99	82	95	95	81	83	78	92	76	70	75
15	95	103	85	85	92	74	82	87	91	80	81	73
16	95	103	88	81	96	66	80	95	82	88	87	76
17	98	102	89	93	97	70	80	104	83	92	88	78
18	95	101	83	90	98	73	80	105	79	82	85	80
19	94	103	81	88	91	78	81	98	79	85	88	86
20	92	103	74	88	95	80	82	95	82	91	85	77
21	88	99	77	95	98	78	78	98	85	85	83	81
22	91	98	80	91	96	82	85	96	110	90	80	76
23	95	101	76	93	96	84	87	97	103	86	80	84
24	90	101	88	95	97	77	80	83	106	83	80	88
25	88	100	86	92	100	79	80	82	201	79	73	85
26	98	102	91	99	91	80	80	85	185	83	73	86
27	98	102	100	98	88	80	80	76	151	120	68	88
28	81	95	82	101	92	80	85	81	129	95	68	89
29	80	98	53	87	..	81	90	76	115	83	69	89
30	88	101	86	56	..	78	90	70	92	80	72	87
31	91	..	88	80	..	74	..	73	..	73	73	..
Mean	91	99	89	92	96	81	83	85	97	88	73	78
Max.	98	103	103	101	108	93	90	105	201	120	88	89
Min.	80	88	53	56	66	66	77	70	72	73	59	64
A.F.	5620	5890	5480	5620	5320	4960	4920	5250	5780	5410	4480	4660

Total acre-feet 63390.

REPORT OF THE STATE ENGINEER

FRENCHMAN RIVER NEAR HAMLET—Sec. 29-5-34 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	89	105	114	50	55	112	93	109	93	121	87	70
2	97	103	117	55	95	107	99	105	96	120	85	66
3	91	104	113	80	140	113	101	105	92	114	83	71
4	247	105	118	95	130	108	103	104	93	115	82	70
5	430	105	119	110	140	113	105	105	102	113	77	67
6	122	113	118	110	150	112	97	103	105	113	85	65
7	175	116	122	120	95	110	100	102	98	110	81	66
8	127	115	124	120	60	108	99	101	98	113	77	67
9	113	116	118	120	70	111	102	105	98	111	74	64
10	124	120	110	130	100	110	117	102	107	116	73	70
11	121	120	121	130	130	97	114	102	101	109	72	83
12	117	116	115	130	150	106	111	99	116	105	70	93
13	113	114	115	128	170	102	109	92	113	98	73	88
14	110	113	110	120	160	102	111	96	108	110	77	80
15	111	113	105	117	109	104	105	96	111	99	74	78
16	112	117	101	102	108	98	106	107	111	99	74	77
17	113	117	106	105	111	93	103	116	104	109	77	79
18	116	116	103	123	110	95	101	117	104	109	73	80
19	111	115	101	124	113	101	102	120	101	99	72	82
20	109	117	99	117	107	101	103	115	101	99	73	87
21	109	117	93	109	111	104	105	111	105	104	71	82
22	105	113	94	117	113	102	102	112	100	102	70	85
23	108	113	97	115	111	105	107	111	131	105	72	82
24	110	113	94	116	113	107	109	112	133	101	76	88
25	107	113	103	116	111	101	102	101	165	100	79	82
26	105	111	102	114	117	102	102	98	277	92	75	91
27	113	113	107	117	111	103	101	101	198	93	70	90
28	113	116	115	117	114	101	109	111	171	117	70	93
29	99	107	85	121	...	101	107	105	149	101	70	95
30	97	110	70	100	...	100	109	98	142	92	70	95
31	102	...	50	60	...	98	...	92	...	90	70	...
Mean	126	113	105	109	114	104	104	105	123	106	75	80
Max.	430	120	124	130	170	113	117	120	277	121	87	95
Min.	89	103	50	50	55	93	93	92	92	90	70	64
A.F.	7770	6720	6460	6720	6360	6400	6220	6450	7310	6500	4630	4750

Total acre-feet 76290.

FRENCHMAN RIVER AT CULBERTSON—Sec. 17-3-31 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	63	161	185	100	180	174	164	172	119	199	86	26
2	63	161	182	110	190	157	158	171	121	190	80	23
3	63	164	186	120	170	168	162	164	121	176	70	22
4	79	166	182	110	160	188	165	161	116	165	63	21
5	329	171	177	100	190	174	164	157	116	164	60	20
6	634	174	180	130	160	171	170	151	140	154	51	22
7	553	190	177	150	150	171	165	152	161	151	43	20
8	325	193	186	160	150	174	165	125	170	148	38	21
9	215	203	183	170	138	176	171	127	144	148	35	20
10	204	196	178	190	143	183	180	112	144	332	31	25
11	298	198	180	200	151	186	185	110	132	203	31	35
12	252	190	180	210	164	176	196	112	158	161	27	52
13	227	190	180	210	176	178	183	106	157	148	29	66
14	199	190	180	190	193	176	178	102	158	143	27	75
15	183	186	180	150	194	176	172	94	157	145	29	64
16	178	191	174	120	199	178	170	97	148	137	27	62
17	177	196	165	130	199	170	168	107	147	161	24	58
18	176	199	170	150	199	165	170	116	130	158	23	53
19	174	203	157	170	190	170	164	128	124	171	24	54
20	176	198	168	180	186	171	162	125	128	147	23	53
21	166	198	165	160	180	170	161	133	133	134	21	58
22	162	198	162	170	180	177	162	130	242	157	24	59
23	159	191	164	180	190	177	158	130	248	136	24	60
24	159	194	165	180	180	177	164	123	285	138	23	58
25	158	188	168	204	171	174	166	121	323	136	27	58
26	158	191	171	186	168	170	170	120	622	132	21	59
27	158	188	174	186	159	174	164	123	371	123	21	64
28	159	191	176	183	177	171	166	125	276	119	22	62
29	157	186	100	182	...	168	171	133	237	121	21	64
30	150	183	90	160	...	165	170	155	224	108	23	66
31	157	...	85	130	...	164	...	155	...	93	23	...
Mean	204	188	167	160	175	173	169	130	192	155	34	47
Max.	634	203	186	210	199	188	196	172	622	332	86	75
Min.	63	161	85	100	138	157	158	94	116	93	21	20
A.F.	12530	11160	10250	9860	9690	10650	10040	8010	11410	9520	2120	2780

Total acre-feet 108000.

BUREAU OF IRRIGATION

521

HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	119	58	37	30	20	20	50	46	112	315	80	81
2	107	57	40	30	20	20	49	45	86	303	73	79
3	107	57	38	25	20	20	49	40	91	264	69	79
4	104	59	36	30	20	20	51	32	95	246	69	79
5	108	62	36	30	25	15	50	24	76	248	70	78
6	95	58	37	35	25	22	47	20	74	223	69	79
7	95	57	38	36	20	25	50	18	66	286	67	84
8	100	56	38	33	20	25	50	16	63	248	68	83
9	92	52	38	34	20	26	47	22	62	289	67	87
10	88	51	36	36	25	25	51	32	51	192	67	92
11	77	52	38	37	30	43	56	175	64	130	94	114
12	75	56	38	34	30	58	56	224	132	108	73	135
13	74	56	34	29	31	50	56	256	119	152	75	129
14	71	60	36	25	35	56	55	230	125	158	68	138
15	69	65	35	25	36	56	65	181	94	149	76	130
16	69	68	32	25	38	64	66	139	77	363	76	130
17	81	56	27	25	35	63	67	82	71	178	76	138
18	89	61	33	25	31	64	69	89	174	125	73	136
19	84	59	31	29	28	65	62	108	66	128	77	134
20	77	56	33	28	31	67	57	96	66	148	76	124
21	74	47	33	29	31	68	56	78	572	148	74	122
22	72	45	33	28	30	87	51	64	388	148	75	148
23	71	46	34	29	31	59	55	56	280	148	77	147
24	68	43	34	30	27	53	56	54	324	136	74	126
25	67	40	33	33	22	53	58	55	394	165	74	120
26	67	38	34	31	22	51	64	75	358	151	75	120
27	66	41	36	30	20	48	66	80	350	127	74	132
28	66	40	25	29	20	49	58	279	325	121	75	149
29	66	40	25	22	...	53	53	572	305	107	79	149
30	60	38	30	20	...	53	49	472	300	92	80	266
31	59	...	30	20	...	51	...	195	...	90	80	...
Mean	81	52	34	29	26	46	56	124	179	183	74	121
Max.	119	68	40	37	38	68	69	572	572	363	94	266
Min.	59	38	25	20	20	15	47	16	51	90	67	78
A.F.	4990	3120	2100	1790	1470	2790	3310	7650	10630	11270	4560	7190

Total acre-feet 60880.

INDIAN CREEK—Sec. 19-20-50 W.
Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	1	10	17	20	19
2	1	10	15	23	21
3	1	15	18	24	20
4	1	13	15	21	19
5	1	13	17	17	21
6	2	11	17	17	19
7	1	13	16	15	21
8	1	13	15	20	17
9	2	13	17	15	20
10	2	9	15	18	19
11	2	9	16	17	22
12	3	9	18	19	20
13	9	15	17	19	23
14	9	8	18	17	20
15	5	7	18	17	20
16	5	6	17	16	20
17	4	13	21	18	21
18	4	8	21	18	21
19	5	11	23	19	22
20	18	8	26	18	21
21	21	48	26	20	21
22	7	48	26	20	21
23	7	24	26	18	22
24	9	21	25	19	20
25	8	21	25	18	22
26	9	19	24	19	20
27	8	23	23	19	19
28	10	21	22	15	17
29	10	40	22	19	15
30	13	33	19	16	17
31	10	...	19	18	...
Mean	6	17	20	18	20
Max.	21	48	26	24	23
Min.	1	7	15	15	15
A.F.	380	1020	1220	1130	1190

LINCOLN COUNTY DRAIN NO. 1
Sec. 30-14-30 W.
Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	30	56	69	84	102
2	31	56	70	74	102
3	31	49	69	73	96
4	31	58	69	77	94
5	31	48	70	82	88
6	30	49	77	96	88
7	29	46	79	88	96
8	28	46	81	96	96
9	28	62	81	87	96
10	30	50	76	87	96
11	30	52	77	90	96
12	30	56	73	90	112
13	30	61	83	96	103
14	30	65	88	104	88
15	30	65	92	100	101
16	31	65	86	100	88
17	37	71	83	100	88
18	37	74	78	104	88
19	33	66	77	104	88
20	33	65	80	104	88
21	43	63	84	104	77
22	36	73	77	100	77
23	38	69	75	97	88
24	46	61	72	104	88
25	41	69	67	104	81
26	42	70	75	102	81
27	50	69	75	109	81
28	47	65	75	109	81
29	44	72	82	111	86
30	54	70	82	109	81
31	47	...	87	104	...
Mean	36	61	78	96	90
Max.	54	74	92	111	112
Min.	28	46	67	73	77
A.F.	2190	3650	4780	5930	5390

REPORT OF THE STATE ENGINEER

 LODGEPOLE CREEK AT BUSHNELL—Sec. 33-15-57 W.
 Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	6	14	10	13	9	13	11	14	12	9	9
2	8	7	13	11	15	10	13	10	12	12	8	8
3	8	6	13	9	13	13	14	10	9	11	8	8
4	10	8	13	10	13	14	15	10	9	11	8	9
5	12	10	13	11	14	14	15	11	9	11	7	8
6	10	10	13	12	14	11	15	11	8	11	7	6
7	15	10	12	13	11	11	16	9	9	11	7	7
8	15	11	12	13	10	12	15	10	8	11	7	6
9	12	10	10	13	11	14	16	10	8	11	8	8
10	10	9	10	13	12	15	17	10	8	11	8	8
11	9	10	12	14	14	15	17	10	11	11	9	8
12	8	10	14	15	14	14	17	16	14	10	9	9
13	8	10	13	16	15	13	16	16	14	10	10	9
14	8	10	13	11	16	13	14	12	11	9	10	9
15	8	11	13	10	16	12	15	12	11	8	11	9
16	8	12	12	8	16	14	15	12	10	8	10	9
17	10	11	9	10	16	16	12	12	9	8	9	9
18	12	12	10	10	14	16	11	11	9	9	10	9
19	12	12	12	11	14	16	12	13	9	8	10	9
20	11	13	12	12	13	15	12	14	9	8	10	9
21	10	11	14	12	13	14	13	12	14	9	10	9
22	10	12	14	13	14	14	13	10	20	9	11	9
23	9	14	14	13	15	14	14	11	22	9	11	9
24	9	14	14	14	14	14	14	11	17	10	11	9
25	9	13	14	15	11	13	14	10	17	12	11	9
26	8	13	14	16	10	14	13	10	14	13	10	9
27	7	14	14	17	11	13	12	11	13	10	10	9
28	6	14	9	17	11	14	12	14	12	9	9	8
29	6	14	10	15	10	14	13	15	11	9	9	8
30	6	15	10	13	..	13	11	12	13	8	9	8
31	6	..	10	13	..	13	..	12	..	9	9	8
Mean	9	11	12	13	13	14	14	12	12	10	9	8
Max.	15	15	14	17	16	16	17	16	22	13	11	9
Min.	6	6	9	8	10	9	11	9	8	8	7	6
A.F.	573	659	753	773	739	828	831	708	705	610	560	506

Total acre-feet 8240.

 LOGAN CREEK AT UEHLING—Sec. 9-20-9 E.
 Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	49	52	70	35	50	80	115	133	200	170	68	60
2	49	52	70	35	50	80	110	119	225	150	69	53
3	49	51	55	35	50	75	107	110	299	142	69	51
4	49	51	65	35	50	75	110	104	196	133	66	51
5	57	50	60	35	50	80	129	98	200	155	62	49
6	65	53	70	40	50	80	163	102	276	290	61	48
7	232	150	70	40	50	80	178	103	365	328	60	48
8	103	150	70	40	50	80	151	101	349	227	59	49
9	80	150	65	45	50	90	140	95	258	145	57	58
10	139	150	65	50	50	95	332	89	394	120	57	58
11	89	150	65	55	50	120	459	90	828	115	55	67
12	73	78	60	60	45	230	391	90	1000	112	54	117
13	68	70	60	60	75	810	255	96	2190	107	54	102
14	58	78	40	65	100	740	202	92	852	102	54	71
15	58	78	40	65	200	320	176	115	521	93	54	61
16	50	200	30	65	350	190	168	97	305	91	65	57
17	80	200	40	65	820	170	153	92	235	91	58	55
18	185	174	40	60	700	140	140	92	221	89	57	53
19	85	153	35	60	500	130	129	89	202	84	54	51
20	69	140	35	65	200	160	126	87	189	85	52	49
21	63	140	45	70	100	250	119	85	183	86	53	48
22	58	140	55	75	100	290	115	83	474	83	53	47
23	58	140	55	75	100	220	122	93	488	79	52	48
24	93	140	60	80	100	230	262	83	408	78	53	49
25	80	140	60	85	100	190	180	79	1630	78	57	49
26	73	120	60	85	90	150	139	76	887	79	57	49
27	60	100	55	90	90	136	120	73	449	78	57	49
28	58	80	35	80	80	129	115	91	266	75	57	49
29	59	75	40	70	..	129	120	117	213	73	57	49
30	58	65	40	60	..	122	136	132	194	70	58	49
31	54	..	35	55	..	120	..	129	..	66	59	..
Mean	77	116	53	59	154	187	172	98	483	119	58	56
Max.	232	..	70	90	820	810	459	133	2190	328	69	117
Min.	49	50	30	35	45	75	107	73	183	66	52	47
A.F.	4750	6930	3260	3640	8530	11490	10240	6020	28750	7290	3550	3340

Total acre-feet 97790.

BUREAU OF IRRIGATION

LOUP RIVER NEAR GENOA—Sec. 25-17-4 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	94	20	330	35	430	248	151	1430	1860	130	77
2	20	92	1500	130	20	410	234	131	1470	1860	130	90
3	21	89	1490	55	7	410	263	122	737	1130	130	107
4	51	91	545	45	7	410	501	109	3720	342	125	92
5	155	87	390	55	12	480	538	103	5440	259	125	107
6	8300	124	234	70	20	500	1340	101	5100	201	125	94
7	4860	144	185	50	25	510	1060	96	4480	171	120	85
8	5700	144	157	45	25	710	1010	94	1610	171	115	80
9	3530	143	131	55	30	802	972	92	1060	182	110	98
10	1820	471	113	70	80	706	1290	92	2500	148	105	98
11	1530	740	103	100	95	721	1380	92	1580	146	100	109
12	714	822	92	220	150	1280	1130	92	10400	150	94	100
13	471	98	84	710	200	1680	777	96	15000	159	110	180
14	179	56	818	660	360	2490	471	94	5160	150	110	150
15	74	49	396	660	990	2140	427	957	3010	144	115	100
16	70	204	294	330	3600	1980	508	338	2080	171	115	70
17	73	324	1600	150	4500	1620	520	217	1040	154	120	50
18	84	138	1290	180	3900	1390	438	165	3240	458	120	50
19	94	113	853	160	3100	1520	356	141	8440	808	115	50
20	89	101	597	210	2500	2140	320	148	5830	370	98	81
21	89	92	654	160	2000	2520	259	96	4450	316	110	67
22	89	85	1540	140	1000	2540	217	87	19600	154	120	65
23	89	87	438	170	600	1760	213	70	66300	185	120	92
24	89	82	1010	250	450	1360	271	76	24000	173	82	84
25	82	671	785	440	300	1140	263	74	9410	157	124	89
26	81	481	714	580	220	862	213	68	4150	157	136	89
27	118	47	708	1000	190	737	191	81	3080	150	138	67
28	131	34	2400	930	560	471	173	94	2320	145	144	65
29	138	24	460	690	...	361	165	254	1840	140	144	60
30	134	24	410	350	...	286	154	356	2470	135	136	55
31	74	...	370	130	...	267	...	136	...	135	120	...
Mean	934	192	957	294	892	1114	530	156	7365	351	119	87
Max.	8300	822	2400	1000	4500	2540	1380	957	66300	1860	144	180
Min.	20	24	20	45	7	267	154	68	737	...	...	...
A.F.	57460	11420	40420	18100	49540	68500	31540	9570	438200	21580	7310	5160

Total acre-feet 758800.

LOUP RIVER NEAR COLUMBUS
Highway Bridge on West Line of Sec. 30-17-1 E.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	141	273	319	260	310	690	434	332	4210	2790	262	196
2	120	273	324	190	340	490	417	193	7320	2010	254	167
3	120	266	1600	110	230	520	442	237	2790	1770	247	190
4	129	266	308	35	200	630	678	208	5010	2000	236	200
5	561	266	561	95	210	650	796	254	7410	1510	229	167
6	7970	468	523	80	160	590	1600	254	3090	640	226	170
7	6970	393	385	60	280	600	1530	214	6510	487	219	161
8	6010	266	378	60	280	630	1470	225	1980	434	190	128
9	5920	552	378	80	240	667	1390	214	1050	423	190	128
10	3930	898	312	110	340	859	1780	231	2420	418	178	161
11	2710	1150	306	150	250	808	1840	225	1320	385	167	229
12	1170	2250	299	180	270	950	1580	220	7790	380	140	251
13	712	552	286	250	380	1420	1370	231	16700	380	170	226
14	523	319	830	700	530	1820	1170	220	7160	385	170	302
15	332	347	434	840	810	1820	911	1250	4380	366	161	190
16	312	950	286	720	2200	1600	808	3580	2810	366	178	181
17	306	1600	1110	460	4590	1370	885	1280	1780	366	181	170
18	325	634	1580	300	4380	1350	808	612	2210	324	181	158
19	325	513	950	300	3770	1560	712	408	5210	1110	187	145
20	266	306	678	280	3000	1700	571	355	4350	633	216	143
21	266	273	378	300	2300	2920	571	306	3550	1010	196	161
22	273	154	347	290	1600	4130	468	451	9530	469	190	153
23	312	168	460	310	920	3230	477	243	50000	366	212	173
24	370	102	1490	330	640	2380	451	225	44100	366	233	184
25	319	725	1010	380	480	1740	513	220	19900	356	240	173
26	292	820	937	900	370	1140	460	225	9240	324	270	178
27	292	442	872	1100	340	1010	378	208	5280	307	266	153
28	306	260	1980	1800	540	736	325	362	3680	286	247	153
29	292	203	1020	1600	...	532	370	362	2590	286	247	148
30	292	292	330	320	...	425	347	1140	2500	274	222	140
31	279	...	400	270	...	480	...	494	...	270	212	...
Mean	1360	533	715	416	1070	1272	852	483	8206	693	210	177
Max.	7970	2250	1980	1800	4590	4130	1840	3580	50000	2790	270	302
Min.	120	102	286	60	160	425	325	193	1050	270	140	128
A.F.	83590	31700	43980	25600	59420	78200	50680	29710	488270	42630	12930	10820

Total acre-feet 957200.

REPORT OF THE STATE ENGINEER

LOUP RIVER, MIDDLE, AT DUNNING—Sec. 33-22-24 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	373	394	403	360	320	428	421	364	373	376	317	344
2	400	400	385	340	360	400	434	352	376	367	327	336
3	424	367	385	350	420	418	450	376	405	364	325	330
4	534	355	394	370	330	431	447	382	489	370	320	338
5	630	370	418	360	380	418	526	367	463	358	314	325
6	526	403	406	350	390	373	444	364	428	355	325	325
7	536	437	412	380	300	400	434	355	428	350	333	330
8	496	403	394	430	240	400	437	370	412	338	333	336
9	489	403	400	470	310	388	466	367	491	341	330	428
10	466	388	400	440	440	388	469	361	630	364	322	456
11	400	350	409	400	500	400	428	376	463	400	330	440
12	400	376	403	410	570	394	444	409	523	376	341	421
13	403	394	412	420	600	361	400	403	489	370	352	373
14	415	397	424	380	610	361	409	406	453	376	336	361
15	450	412	421	340	600	347	409	424	456	394	333	347
16	421	385	437	420	440	361	388	400	466	388	336	355
17	397	364	394	480	250	379	376	376	450	400	333	370
18	397	367	397	450	240	403	388	373	450	382	350	370
19	418	394	437	470	220	403	364	370	453	367	394	376
20	421	409	431	450	230	403	355	370	444	382	361	376
21	424	385	434	410	260	415	379	350	463	370	341	347
22	424	388	418	430	310	450	370	355	482	367	336	336
23	424	376	428	420	340	489	352	347	437	352	347	341
24	424	400	453	460	320	440	350	367	437	341	358	350
25	406	421	444	470	350	428	370	373	472	350	352	352
26	424	391	421	390	360	385	364	450	338	350	347	370
27	397	421	431	280	370	388	382	370	418	333	361	370
28	382	409	350	280	412	391	403	385	412	333	352	376
29	409	415	360	260	...	394	415	364	415	341	352	391
30	406	412	370	290	...	394	397	367	428	330	347	352
31	397	...	370	310	...	394	...	358	...	320	355	...
Mean	436	393	408	389	374	401	410	373	452	361	341	363
Max.	630	437	453	480	610	489	526	424	630	400	394	456
Min.	373	350	350	260	220	347	350	347	373	320	314	325
A.F.	26800	23380	25070	23940	20770	24640	24380	22940	26890	22200	20950	21620

Total acre-feet 283600.

LOUP RIVER, MIDDLE, AT WALWORTH—Sec. 1-19-20 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	702	813	831	500	630	740	736	678	1070	654	710	744
2	744	813	804	470	680	740	770	622	1100	744	736	736
3	786	770	804	560	730	850	804	654	1200	718	736	752
4	1040	804	778	550	900	980	744	694	1720	694	694	770
5	1870	744	727	540	680	860	778	786	1280	694	662	744
6	1110	744	718	620	780	760	694	736	1260	638	662	710
7	1070	858	718	660	960	720	702	670	1270	608	670	702
8	1250	804	710	760	520	830	813	710	1240	615	654	710
9	1060	761	752	860	350	860	795	702	1320	600	646	831
10	1020	800	736	960	590	830	1020	736	1390	710	630	935
11	945	822	718	900	750	910	975	778	1250	778	646	975
12	770	858	744	850	840	880	935	744	1310	761	638	813
13	736	786	744	860	930	820	895	678	1250	686	702	744
14	761	770	813	810	1100	780	804	761	1110	678	694	678
15	795	710	804	800	1400	630	778	795	1210	736	662	638
16	744	744	778	640	1200	840	858	770	1260	770	646	646
17	770	727	730	680	1000	970	885	752	1320	885	662	702
18	849	770	760	800	780	1020	885	761	1530	752	678	694
19	795	744	740	800	680	1010	822	744	1320	718	727	694
20	744	804	790	840	570	1220	849	727	1210	702	804	718
21	804	804	810	810	640	1240	895	718	1590	686	718	686
22	822	694	920	730	680	1050	549	849	1600	744	678	678
23	867	744	860	780	550	945	795	858	1100	778	686	686
24	840	804	720	780	280	813	727	858	1140	752	822	736
25	752	770	570	829	540	778	752	858	1250	752	795	686
26	770	804	570	830	680	813	770	831	1200	736	744	694
27	752	795	630	820	570	778	744	895	1020	718	718	710
28	718	786	460	730	660	804	786	1100	915	718	770	761
29	727	752	470	710	...	813	804	1020	795	727	761	778
30	813	744	510	520	...	761	761	1010	718	727	736	752
31	778	...	570	400	...	761	...	1060	...	678	744	...
Mean	878	778	719	722	738	864	814	792	1232	715	704	737
Max.	1870	858	920	960	1400	1240	1020	1100	1720	885	822	975
Min.	702	694	460	400	280	630	694	622	718	600	630	638
A.F.	53960	46300	44210	44410	41000	53130	48450	48700	73290	43950	43300	43840

Total acre-feet 584500.

BUREAU OF IRRIGATION

525

LOUP RIVER, MIDDLE, AT ARCADIA—Sec. 26-17-16 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	560	763	722	500	460	740	1080	779	787	830	501	527
2	631	771	722	500	520	820	830	624	730	714	489	495
3	676	779	804	500	690	850	812	574	779	699	483	501
4	825	882	901	520	790	840	821	812	2200	653	495	521
5	3380	891	919	740	900	980	1040	746	1600	730	483	521
6	2160	919	1080	750	740	950	1220	722	1400	771	446	489
7	1830	873	966	860	720	870	947	646	1200	714	429	489
8	2250	795	975	840	710	760	956	588	1100	706	412	470
9	1400	771	910	860	550	900	873	560	1200	706	452	495
10	1110	730	771	960	600	1000	1140	899	1800	691	470	746
11	1080	873	746	950	650	1100	995	763	1700	779	446	1160
12	1110	830	738	900	690	1100	966	938	3000	763	412	882
13	1060	530	738	890	910	1100	1140	891	2500	746	406	821
14	985	865	722	880	1090	1000	1090	830	1800	746	406	746
15	847	830	787	840	1400	1000	966	910	1200	691	401	676
16	891	754	771	940	1470	960	928	950	891	795	418	684
17	754	763	530	960	1370	1100	947	985	856	865	423	661
18	763	856	530	800	1300	1100	779	1080	4000	847	401	691
19	947	771	550	940	1160	1100	812	824	2500	779	401	691
20	830	668	590	900	840	1100	847	812	1800	795	434	699
21	966	919	680	930	740	1100	812	830	1000	779	464	746
22	901	1020	920	900	600	1100	938	763	12000	746	429	661
23	891	901	970	800	700	1190	975	714	2500	821	412	638
24	891	804	900	560	690	1090	901	661	1060	838	514	631
25	947	738	830	810	540	995	830	624	1020	830	714	714
26	928	947	800	750	520	873	910	574	1060	754	617	684
27	738	830	670	700	640	947	956	653	1020	706	560	714
28	830	847	500	560	700	938	1020	847	938	617	521	714
29	738	985	450	560	...	956	1020	919	947	567	541	722
30	763	873	490	430	...	975	856	691	985	541	534	706
31	763	...	480	580	...	1020	...	763	...	495	541	...
Mean	1079	836	747	771	810	986	947	767	1852	733	473	663
Max.	3380	1020	1080	960	1470	1190	1220	1080	12000	865	714	1160
Min.	560	668	450	430	460	740	779	560	730	495	401	470
A.F.	66340	49740	45940	47420	45000	60600	56340	47150	110200	45050	29070	39460

Total acre-feet 642300.

LOUP RIVER, MIDDLE, AT ST. PAUL—Sec. 10-14-10 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	856	815	1120	450	450	800	1190	1290	1290	1510	815	641
2	805	755	1110	370	700	800	1320	1150	1130	1510	775	641
3	815	845	1360	320	850	800	1440	815	1130	1480	726	641
4	990	805	1560	310	700	850	1590	775	1490	1390	678	641
5	2520	867	1330	340	900	800	1880	795	2510	1260	632	632
6	6400	1090	1240	360	950	850	1970	845	2050	1140	641	650
7	4390	1130	1200	440	1000	950	1650	1060	1740	1110	650	614
8	4920	1020	1200	430	850	1000	1480	1040	1460	1080	614	569
9	3150	1060	1170	530	800	1100	1370	933	1560	1020	578	569
10	2750	1200	1220	810	900	1100	1880	856	1840	950	534	623
11	2360	1400	1110	1000	750	1400	1990	825	2120	1010	445	1010
12	1910	1300	1220	1500	700	1600	2030	922	3340	1086	534	1590
13	1710	1300	1100	1900	900	1700	1720	990	4340	1120	430	1130
14	1450	1300	1000	1800	1500	1800	1510	955	3460	1190	534	1050
15	1270	1370	1100	1700	2200	1700	1310	889	2520	1480	500	878
16	1200	1400	900	1700	2900	1700	1330	1000	1940	1150	587	944
17	1450	1420	450	1600	2900	1500	1350	1110	2550	1700	552	835
18	1480	1410	400	1500	2200	1400	1240	990	5290	1860	509	805
19	1480	1400	350	1400	1800	1600	1350	1150	5460	1320	484	726
20	1220	1310	500	1200	1600	1800	1330	1070	3490	1360	452	745
21	1050	1150	450	1000	1400	2400	1190	911	2140	1170	408	755
22	1020	1140	450	1000	1200	2630	1190	856	23400	1050	648	755
23	1110	1110	900	1200	750	1770	1260	775	40900	1040	415	785
24	1170	1070	850	1400	900	1450	1380	825	13700	1060	365	795
25	1110	1080	900	1500	850	1310	1200	785	5900	1040	519	755
26	1040	955	1200	1500	850	1190	1070	795	3340	1060	828	825
27	1130	1040	1100	1500	750	1360	978	795	2210	1000	815	795
28	1150	1080	900	1100	700	1360	978	1010	1840	933	698	785
29	1240	1110	800	540	...	1260	944	1370	1670	911	641	515
30	1150	1170	650	170	...	1020	1230	1310	1540	867	614	889
31	1080	...	500	180	...	1020	...	1170	...	856	660	...
Mean	1787	1135	946	992	1177	1355	1412	970	4912	1185	584	796
Max.	6400	1420	1560	1900	2900	2630	2030	1370	40900	1860	828	1590
Min.	805	755	350	170	450	800	944	775	1130	856	365	569
A.F.	109900	67520	58200	60990	65360	83350	84000	59630	292300	72870	35900	47380

Total acre-feet 1037000.

REPORT OF THE STATE ENGINEER

LOUP RIVER, NORTH, NEAR BREWSTER—Sec. 27-23-22 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	286	352	400	200	190	240	368	396	349	376	279	286
2	276	349	392	220	490	240	380	349	372	364	283	283
3	266	356	376	220	420	290	421	326	384	341	272	283
4	413	352	384	240	310	280	451	326	518	326	259	279
5	595	364	396	240	200	250	514	318	438	326	259	269
6	527	372	392	270	380	290	500	318	491	326	259	266
7	575	429	376	280	250	330	464	300	368	318	283	283
8	518	421	380	320	230	350	468	304	451	311	269	279
9	455	438	356	360	240	380	537	308	532	311	266	360
10	438	413	345	400	260	430	566	330	605	349	262	425
11	396	408	341	400	290	590	542	345	527	352	255	438
12	368	417	337	400	300	451	546	372	630	356	266	396
13	396	421	333	370	320	434	523	364	556	326	276	364
14	404	417	356	370	380	425	509	352	537	308	297	326
15	421	417	349	390	540	376	532	352	491	308	286	304
16	413	417	360	350	740	421	500	330	542	318	279	308
17	400	384	290	360	530	425	473	315	500	429	279	315
18	352	404	330	350	530	434	486	311	486	326	279	311
19	364	429	460	360	429	429	446	300	455	308	311	311
20	356	438	486	360	300	421	408	300	451	318	297	322
21	352	434	537	330	360	421	396	293	460	322	283	315
22	341	384	495	380	360	408	413	293	542	322	272	308
23	333	360	532	380	340	417	413	297	473	330	252	308
24	345	400	523	430	230	417	400	293	404	311	270	308
25	356	364	482	700	240	425	384	297	446	304	290	308
26	352	380	495	700	270	396	404	283	358	293	272	311
27	376	380	460	550	260	384	404	304	388	290	286	311
28	384	380	350	480	260	384	396	368	392	279	290	311
29	388	413	250	360	...	384	429	368	388	276	290	318
30	356	400	190	300	...	372	404	333	380	276	279	322
31	364	...	200	250	...	376	...	326	...	279	300	...
Mean	392	396	386	385	352	383	456	325	468	322	278	318
Max.	595	438	537	700	740	590	566	396	630	429	311	438
Min.	266	349	190	200	190	240	368	283	349	276	252	266
A.F.	24130	23590	23710	22410	19540	23540	27130	19980	27860	19790	17080	18900

Total acre-feet 267700.

LOUP RIVER, NORTH, NEAR TAYLOR—Sec. 22-21-18 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	368	457	562	260	410	460	539	494	522	533	173	258
2	355	494	499	260	490	480	539	467	499	510	170	255
3	373	472	451	280	540	470	539	487	593	494	176	262
4	516	467	488	280	550	590	550	462	1090	478	165	252
5	1110	488	528	300	500	560	636	467	773	436	142	234
6	893	545	539	320	500	500	580	467	636	391	145	224
7	862	568	539	360	410	540	574	396	630	378	163	224
8	862	611	528	350	270	600	611	378	586	358	190	205
9	703	630	516	430	240	640	624	373	636	364	150	238
10	593	528	499	520	350	670	780	382	524	373	142	346
11	488	483	488	550	410	760	780	373	758	516	142	421
12	528	556	505	560	470	790	662	382	847	457	133	431
13	636	550	494	570	570	630	689	396	839	421	160	387
14	682	574	505	530	680	500	716	387	676	431	160	346
15	669	580	516	450	800	390	773	446	617	364	173	296
16	599	574	505	320	960	380	689	406	599	373	196	308
17	580	574	450	340	780	550	662	373	650	467	182	316
18	580	580	300	390	360	550	662	364	630	533	179	321
19	539	586	396	410	230	599	636	378	611	411	190	308
20	528	574	488	470	410	599	636	364	599	359	221	308
21	510	550	605	440	380	599	636	350	769	359	205	321
22	510	522	599	570	350	599	636	368	1160	364	163	312
23	516	550	662	790	420	656	650	382	861	364	147	308
24	494	562	656	840	280	856	617	391	715	346	221	325
25	522	483	550	940	280	574	574	401	611	342	262	337
26	522	499	550	930	210	556	550	406	617	316	252	337
27	472	550	522	740	310	574	539	426	580	277	262	342
28	483	505	380	490	410	574	533	605	568	238	277	350
29	457	510	200	450	...	586	528	682	550	212	300	373
30	467	528	190	310	...	562	562	599	550	221	285	387
31	446	...	170	420	...	539	...	528	...	176	252	...
Mean	576	538	481	480	449	572	623	431	687	383	193	311
Max.	1110	630	662	940	960	790	780	682	1160	533	300	431
Min.	355	457	170	260	210	350	528	350	499	176	133	205
A.F.	35430	32030	29570	29490	24930	35170	37090	26500	40850	23550	11860	18510

Total acre-feet 345000.

BUREAU OF IRRIGATION

527

LOUP RIVER, NORTH, AT SCOTIA—Sec. 8-17-12 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	654	845	890	520	610	790	924	790	1060	996	355	464
2	654	823	820	530	680	870	972	740	823	878	300	444
3	663	812	840	560	680	920	1020	720	889	834	275	499
4	700	812	867	590	840	960	1010	740	3180	823	235	457
5	3750	812	878	600	760	1000	1210	750	1550	823	235	418
6	2200	924	878	580	770	1000	1120	760	2880	801	223	404
7	1960	1080	900	680	780	920	1110	770	1150	770	212	398
8	2030	1020	912	660	870	920	1150	730	1050	770	212	392
9	1540	1240	900	720	500	920	1150	700	984	740	227	398
10	1390	1150	867	760	510	990	1240	690	1310	720	204	471
11	1210	1050	856	830	570	1100	1330	710	1360	740	192	636
12	1080	1050	856	920	730	1200	1190	710	4180	780	185	889
13	1020	960	850	960	910	1300	1180	690	1900	801	196	878
14	960	972	850	940	1400	1200	1150	700	1500	740	235	812
15	936	972	840	930	2700	960	1140	867	1280	681	240	720
16	924	1010	860	840	2100	840	1100	812	1370	636	266	636
17	948	984	720	750	1800	810	1060	856	1370	654	275	636
18	972	996	560	820	1700	920	960	760	1430	700	280	600
19	912	984	440	950	1500	1300	924	760	1590	801	275	600
20	889	996	660	1000	1000	1100	878	700	1250	700	262	609
21	867	1070	936	1000	850	1100	878	700	1220	592	300	609
22	845	960	972	980	930	780	878	690	19600	627	305	609
23	845	889	1010	1000	910	856	972	663	2700	600	305	627
24	845	924	1010	1100	820	845	936	654	1170	552	310	627
25	812	912	948	1100	700	867	845	645	996	544	499	636
26	801	924	823	1100	610	867	790	618	1010	499	513	672
27	834	924	823	1100	600	889	760	618	1030	492	471	663
28	834	972	490	1100	650	900	730	730	996	471	478	663
29	812	984	450	980	...	912	760	924	972	424	444	627
30	845	1020	440	710	...	936	780	960	1050	361	471	654
31	845	...	430	570	...	936	...	900	...	561	471	...
Mean	1115	970	793	835	974	965	1005	744	2094	681	305	592
Max.	3750	1240	1010	1100	2700	1300	1330	960	19600	996	513	889
Min.	654	812	430	520	500	780	730	618	823	361	185	392
A.F.	68580	57720	48750	51330	54110	59320	59800	45730	124600	41870	18750	35200

Total acre-feet 665800.

LOUP RIVER, NORTH, NEAR ST. PAUL—Sec. 22-15-10 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	681	864	976	410	410	640	850	962	1130	1110	454	474
2	670	864	878	430	460	780	850	934	878	968	347	454
3	648	878	838	450	540	820	892	812	750	870	313	440
4	692	878	878	460	740	870	990	738	4590	846	274	467
5	3190	878	878	470	850	970	1310	725	2450	838	240	454
6	2830	934	934	480	780	1000	1310	725	5030	846	240	434
7	1910	1190	934	490	970	970	1220	750	1580	806	215	408
8	2170	1130	934	600	900	890	1280	762	1050	774	211	395
9	1620	1290	920	740	690	870	1350	703	850	750	215	377
10	1560	1130	906	850	570	960	1580	670	864	742	219	383
11	1240	962	920	870	660	1100	1580	648	920	742	203	481
12	1040	878	976	900	790	1300	1370	670	5280	798	203	735
13	976	906	934	960	980	1500	1330	692	2650	870	196	822
14	976	848	820	960	1300	1600	1280	637	1290	830	211	830
15	1040	1040	936	960	3200	1500	1240	788	994	766	222	758
16	1040	1050	934	900	2800	1100	1190	762	800	750	230	705
17	1100	1020	640	780	1900	960	1130	825	858	742	245	660
18	1100	1020	540	700	1700	1100	1010	725	1410	728	264	645
19	1040	1010	557	770	1600	1400	948	703	1570	758	250	630
20	990	1010	725	900	1200	1600	878	681	1280	790	245	630
21	982	1070	1040	900	800	1500	864	637	1260	675	226	630
22	962	990	1010	860	700	1300	878	615	21300	615	259	615
23	920	990	1070	840	920	990	1050	615	6930	586	245	630
24	906	1040	1000	910	860	976	1050	615	2020	579	250	630
25	838	990	1000	990	680	934	976	615	1600	586	313	600
26	812	976	970	1000	600	934	850	615	1380	586	428	615
27	812	948	880	950	530	934	812	615	1320	558	428	630
28	838	962	700	900	530	878	812	762	1210	537	421	630
29	850	962	460	850	...	850	812	1070	1120	481	428	630
30	892	976	460	740	...	850	906	1070	1210	428	434	660
31	864	...	380	500	...	878	...	1050	...	460	467	...
Mean	1167	993	843	759	1023	1063	1087	748	2516	723	287	582
Max.	3190	1290	1070	1000	3200	1600	1580	1070	21300	1110	467	830
Min.	648	864	380	410	410	640	812	615	750	428	196	377
A.F.	71740	59080	61850	46650	56830	65360	64660	46000	149700	44460	17660	34820

Total acre-feet 708600.

REPORT OF THE STATE ENGINEER

LOUP RIVER, SOUTH, AT CUMRO—Sec. 4-12-18 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	107	166	157	90	120	160	166	150	154	341	135	117
2	107	161	148	90	130	170	157	137	148	237	133	115
3	109	154	146	100	130	130	185	139	148	200	129	113
4	115	148	152	100	130	170	188	139	157	195	127	113
5	1890	152	152	100	120	160	195	139	192	203	123	111
6	796	166	150	120	120	140	198	135	164	290	123	107
7	925	175	152	140	130	130	205	135	142	188	123	109
8	970	180	152	150	100	130	205	137	133	178	121	107
9	553	185	157	160	100	130	216	142	133	168	119	111
10	350	192	152	160	110	130	226	139	137	170	115	125
11	250	175	154	160	140	180	226	142	154	245	113	139
12	230	168	152	160	150	218	210	144	285	253	111	146
13	220	173	146	160	170	205	210	142	338	234	115	135
14	221	178	144	150	230	190	208	135	218	208	121	129
15	218	190	146	150	710	180	203	135	188	175	119	129
16	210	208	144	150	520	170	205	146	170	341	117	129
17	210	200	137	120	310	166	203	152	166	589	115	129
18	223	198	139	140	270	173	188	150	769	281	113	125
19	205	190	142	150	240	178	173	157	560	216	113	125
20	192	175	168	150	220	185	170	157	301	180	111	123
21	175	175	164	160	200	182	166	139	645	170	113	123
22	168	173	185	140	190	188	166	127	5180	170	111	119
23	159	173	178	150	170	190	166	127	4440	164	109	115
24	159	168	182	140	120	192	166	125	874	152	117	115
25	168	168	185	130	110	185	159	125	427	152	146	117
26	164	168	185	120	110	182	154	125	335	154	142	119
27	159	166	185	120	140	182	152	127	293	148	133	119
28	164	164	160	140	150	180	152	159	256	146	125	119
29	166	159	80	140	...	170	148	200	230	139	123	119
30	168	164	70	140	...	164	157	185	365	137	117	121
31	168	...	90	120	...	168	...	161	...	135	119	...
Mean	320	174	150	135	191	170	184	144	580	209	121	121
Max.	1890	208	185	160	710	218	226	207	5180	589	146	146
Min.	107	148	70	90	100	130	148	125	133	135	109	107
A.F.	19670	10340	9230	8330	10590	10470	10950	8830	35110	12830	7440	7190

Total acre-feet 151000.

LOUP RIVER, SOUTH, AT RAVENNA—Sec. 17-12-14 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	110	181	203	80	80	200	207	181	212	550	149	113
2	116	186	194	100	90	210	221	170	207	400	145	108
3	123	190	207	130	160	200	271	165	198	314	140	103
4	207	164	212	130	180	180	282	160	217	290	135	100
5	900	194	194	120	170	190	354	150	217	260	130	100
6	2200	198	194	130	160	210	303	140	236	245	130	96
7	1700	203	194	140	160	190	255	145	217	221	123	93
8	1900	207	186	150	160	190	276	145	153	231	116	85
9	951	271	186	160	130	190	276	149	145	217	116	90
10	847	282	194	170	110	200	292	149	149	230	110	103
11	456	303	194	170	120	240	308	153	141	270	110	164
12	337	271	190	170	130	320	260	160	337	340	110	190
13	260	241	190	170	220	330	266	153	723	300	110	181
14	260	231	177	170	350	360	260	145	443	370	113	149
15	260	231	177	170	600	270	245	153	271	300	113	137
16	255	303	186	180	1250	260	255	173	217	300	116	126
17	271	282	186	180	600	280	266	168	241	1490	113	134
18	282	271	73	150	450	280	266	164	1900	665	103	123
19	282	266	130	160	340	270	212	181	1070	320	106	116
20	255	260	141	180	250	255	194	198	379	241	103	113
21	260	266	217	200	270	217	212	177	366	198	103	110
22	260	266	236	200	260	241	212	156	20300	203	93	106
23	245	271	231	220	250	207	212	141	10500	194	93	106
24	226	241	241	240	170	245	203	149	4820	194	126	110
25	212	260	221	290	130	231	190	137	1390	198	153	123
26	203	212	217	290	110	212	180	134	632	190	160	123
27	194	198	203	260	150	194	170	141	500	180	145	126
28	194	198	55	150	160	212	175	221	450	170	130	123
29	203	207	50	100	...	198	175	217	400	165	119	130
30	194	203	35	80	...	212	175	226	350	164	115	145
31	181	...	55	100	...	207	...	212	...	149	110	...
Mean	462	235	173	166	254	232	239	165	1579	308	121	121
Max.	2200	303	241	290	1250	360	354	226	20300	1490	160	190
Min.	110	164	35	80	80	180	170	134	141	149	93	85
A.F.	28430	14000	10650	10200	14100	14280	14230	10140	93980	18960	7410	7190

Total acre-feet 243600.

BUREAU OF IRRIGATION

529

LOUP RIVER, SOUTH, AT ST. MICHAEL—Sec. 12-11-13 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	132	244	272	80	100	260	256	212	244	620	192	138
2	122	240	276	90	110	270	244	208	256	520	184	133
3	108	236	256	100	140	250	320	192	244	476	180	132
4	128	232	244	120	220	240	361	192	228	410	176	127
5	1020	228	224	130	230	300	415	196	289	354	168	126
6	3500	256	224	140	230	320	356	188	390	327	162	124
7	2450	289	208	140	210	310	312	188	272	300	157	120
8	2740	294	220	140	210	310	312	180	216	290	154	114
9	1580	302	224	150	210	280	285	184	180	280	150	110
10	1160	320	224	160	160	290	361	180	172	282	146	110
11	648	320	224	170	160	260	366	180	168	292	142	146
12	453	260	212	180	170	302	370	180	441	345	140	188
13	368	268	208	190	200	325	361	180	1090	333	138	192
14	325	264	220	200	320	380	334	176	1160	468	139	180
15	307	252	228	210	810	340	320	176	762	348	136	168
16	294	320	216	220	1700	260	320	180	366	330	136	168
17	284	294	150	220	872	300	289	192	312	1700	130	164
18	316	280	100	210	542	350	289	204	2220	950	124	156
19	307	294	150	190	440	350	256	272	2270	535	126	148
20	284	280	200	200	340	320	224	256	1410	363	124	145
21	268	276	252	210	300	310	232	208	762	295	121	145
22	264	268	264	250	290	302	240	208	19000	292	118	142
23	256	276	240	330	260	284	256	212	28000	265	112	139
24	248	272	248	340	200	284	256	196	12900	252	121	136
25	240	260	224	360	170	284	252	164	4480	245	152	140
26	232	264	200	370	170	286	232	172	1570	224	168	140
27	232	260	192	310	190	276	224	180	948	222	178	134
28	232	264	130	240	230	272	224	204	738	216	158	144
29	232	268	70	150	...	268	228	252	630	208	156	146
30	232	268	85	150	...	264	220	256	525	204	148	146
31	236	...	75	100	...	260	...	252	...	200	142	...
Mean	619	272	202	195	328	294	291	201	2741	392	148	143
Max.	3500	320	276	370	1700	380	415	272	28000	1700	192	192
Min.	108	228	70	80	100	240	220	164	168	200	112	110
A. F.	38070	16160	12420	12000	18220	18050	17310	12340	163100	24090	9080	8520

Total acre-feet 349400.

MEDICINE CREEK AT CAMBRIDGE—Sec. 28-4-25 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	41	61	68	40	30	45	50	55	59	150	50	50
2	51	60	68	40	70	40	52	50	54	150	50	50
3	59	61	63	35	70	45	59	48	54	150	50	50
4	55	60	60	35	65	85	65	45	50	150	50	50
5	3260	57	61	35	65	70	77	46	47	150	50	50
6	726	59	67	40	65	65	75	47	64	150	50	50
7	1430	63	66	40	75	55	74	47	54	150	50	50
8	1960	60	63	40	50	75	76	50	50	150	50	50
9	310	65	60	50	35	85	69	54	50	150	50	50
10	1650	70	58	55	60	90	83	55	50	150	50	50
11	394	70	56	60	65	122	94	58	48	150	50	50
12	198	70	66	70	70	115	79	62	142	150	50	50
13	142	75	64	85	70	115	74	62	115	150	50	50
14	115	80	60	80	80	102	64	57	105	150	50	50
15	96	75	55	70	100	73	63	58	84	150	50	50
16	80	77	52	55	120	68	62	61	70	150	50	50
17	77	73	50	40	142	68	57	64	67	150	50	50
18	77	73	32	50	117	64	54	60	262	150	50	50
19	75	70	35	60	105	65	60	69	115	150	50	50
20	70	68	56	65	60	66	54	69	87	150	50	50
21	70	66	63	70	75	62	51	62	116	150	50	50
22	69	62	60	60	75	61	53	60	28500	150	50	50
23	72	61	64	65	70	63	55	57	1600	150	50	50
24	72	59	61	60	35	66	56	56	642	150	50	50
25	73	62	74	60	35	65	56	54	412	150	50	50
26	65	65	73	65	45	64	54	56	250	150	50	50
27	62	59	67	70	50	62	51	54	170	150	50	50
28	64	57	67	70	60	62	50	61	170	150	50	50
29	61	59	25	50	40	60	52	64	170	150	50	50
30	59	59	35	35	...	58	55	68	170	150	50	50
31	64	...	40	20	...	56	...	65	...	150	50	...
Mean	374	65	57	54	69	71	62	57	1128	150	50	50
Max.	3260	80	74	85	142	122	94	69	28500	150	50	50
Min.	41	57	25	20	30	40	50	45	47	150	50	50
A. F.	23000	3880	3500	3290	3850	4340	3720	3520	67090	9220	3070	2980

Total acre-feet 131500.

REPORT OF THE STATE ENGINEER

MELBETA DRAIN—Sec. 13-21-54 W.
Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	1	1	2	0	0
2	1	1	1	0	0
3	1	1	1	0	0
4	1	3	1	0	0
5	2	1	5	0	0
6	0	1	1	0	0
7	1	1	1	0	0
8	1	1	1	0	0
9	1	1	1	0	0
10	1	3	1	0	0
11	1	1	1	0	0
12	3	5	1	0	16
13	2	2	11	0	8
14	2	4	0	0	8
15	2	4	10	0	16
16	2	3	10	3	12
17	13	1	0	6	13
18	5	44	2	4	16
19	5	1	2	4	15
20	3	0	14	3	8
21	4	50	16	2	7
22	4	28	20	0	16
23	4	5	11	0	8
24	4	2	21	0	5
25	4	2	21	0	1
26	7	2	22	0	1
27	1	1	6	0	0
28	7	1	15	0	1
29	3	9	9	0	0
30	3	12	5	0	0
31	1	.	0	0	.
Mean	3	5	7	1	5
Max.	13	50	22	6	16
Min.	0	0	0	0	0
A.F.	180	300	420	50	300

MUD CREEK NEAR SWEETWATER—Sec. 3-12-15 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	26	30	22	23	29	34	32	39	97	34	24
2	15	25	29	22	21	31	34	30	41	112	34	24
3	14	25	30	23	24	31	38	30	39	113	32	24
4	21	24	28	23	28	27	39	29	45	80	31	23
5	375	24	29	22	27	27	44	29	216	68	30	23
6	1190	27	29	22	24	30	47	29	233	62	28	22
7	820	28	29	22	25	31	42	29	86	58	27	21
8	757	28	29	24	24	27	39	29	51	57	27	20
9	531	30	29	27	19	29	40	27	38	57	27	19
10	335	30	28	32	20	37	42	26	34	56	25	19
11	86	24	28	36	25	35	42	26	28	50	24	22
12	52	30	28	39	34	41	44	29	156	51	24	32
13	39	35	28	39	47	46	41	29	675	52	25	42
14	34	35	27	37	80	62	39	29	668	60	23	27
15	31	35	28	35	291	48	38	30	376	55	23	24
16	30	40	29	29	460	43	36	30	91	152	23	24
17	30	30	26	27	292	42	36	30	63	226	22	25
18	34	31	17	29	170	41	37	55	835	262	22	23
19	37	30	25	29	85	37	36	62	1160	118	21	22
20	31	30	30	29	52	40	35	42	929	62	21	21
21	30	30	27	28	45	40	35	48	272	50	20	20
22	29	29	26	29	42	40	34	53	11400	48	20	20
23	29	27	30	30	40	43	34	36	6260	47	20	19
24	28	28	29	32	37	41	35	31	3220	47	21	19
25	27	18	28	43	34	36	36	29	2000	45	25	19
26	27	25	28	39	31	36	34	27	505	43	25	19
27	27	30	25	38	33	36	34	27	215	42	29	20
28	27	29	26	32	34	34	33	32	154	40	37	20
29	27	29	25	29	.	35	33	38	124	38	27	20
30	27	30	24	27	.	34	32	38	107	36	25	21
31	26	.	23	26	.	34	.	37	.	35	25	.
Mean	154	29	27	30	74	37	37	34	1002	75	26	23
Max.	1190	40	30	43	460	62	47	55	11400	262	37	42
Min.	14	18	17	22	19	27	32	26	28	35	20	19
A.F.	9480	1710	1680	1830	4100	2270	2230	2080	59620	4600	1580	1340

Total acre-feet 92520.

BUREAU OF IRRIGATION

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NEMAHA RIVER NEAR FALLS CITY—Sec. 22-1-16 E.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	181	133	114	25	65	70	128	375	678	1200	98	41
2	141	120	102	25	70	70	130	302	1350	650	89	41
3	218	116	96	25	70	75	484	269	739	515	83	41
4	145	114	116	35	50	80	7430	248	537	351	79	41
5	116	116	116	40	60	70	3090	215	4680	375	72	38
6	137	112	116	50	60	100	1660	203	12700	570	67	38
7	128	137	116	50	50	140	846	205	12900	360	70	38
8	137	220	112	70	50	114	501	203	3660	316	70	38
9	150	296	110	75	50	114	449	186	1220	288	67	38
10	269	1030	108	85	75	116	12800	174	1450	258	65	43
11	1150	674	104	120	95	137	8860	170	1310	248	61	133
12	662	345	104	180	80	245	3000	168	9940	261	58	126
13	230	200	112	230	90	1350	1030	163	14800	1400	53	114
14	191	170	114	280	140	1290	777	154	4060	2990	67	480
15	168	150	112	350	150	574	654	148	1840	1890	76	68
16	150	288	112	200	177	245	589	148	589	551	92	51
17	330	310	110	165	152	235	555	179	3800	310	87	46
18	2650	261	110	154	141	272	512	200	6260	272	79	43
19	811	186	110	154	60	240	487	154	4240	228	72	38
20	463	159	110	154	80	235	735	200	1480	253	63	35
21	294	148	110	140	50	198	723	186	5160	269	60	40
22	210	133	114	85	70	191	698	172	3450	203	54	36
23	193	126	116	141	77	179	747	403	11600	172	49	32
24	280	126	124	154	75	184	459	277	2860	161	43	32
25	781	120	133	150	55	181	390	245	1370	165	61	33
26	416	128	128	141	75	159	372	325	1020	163	68	36
27	299	122	120	133	70	141	342	480	735	150	48	38
28	230	116	80	124	70	143	333	1480	638	143	51	36
29	172	116	25	137	...	148	366	4230	838	133	44	35
30	145	116	30	70	...	128	615	1870	1410	114	44	36
31	110	...	25	65	...	128	...	781	...	102	43	...
Mean	373	213	104	123	82	244	1659	469	3910	486	66	63
Max.	2650	1030	133	350	177	1350	12800	4230	14800	2990	98	480
Min.	110	112	25	25	50	70	128	148	537	102	43	32
A.F.	22920	12670	6360	7550	4580	14980	98700	28850	232700	29870	4030	3740

Total acre-feet 467000.

NEW YORK CREEK AT HERMAN—Sec. 32-20-11 E.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1	0	0	0	1	2	2	310	6	2	1
2	0	1	0	0	0	1	2	2	11	6	2	1
3	0	1	0	0	0	1	2	2	8	5	2	1
4	0	1	1	0	0	1	2	2	11	5	1	0
5	1	1	1	0	0	1	5	2	8	8	1	0
6	0	3	1	0	0	2	3	2	7	5	1	0
7	0	2	1	0	0	2	2	2	47	5	1	0
8	1	1	1	0	0	2	3	2	10	5	1	0
9	0	1	1	0	0	3	2	2	4	4	1	0
10	9	1	1	0	0	4	32	2	10	3	1	0
11	2	1	1	1	2	5	5	2	2	3	1	2
12	1	1	1	1	2	3	6	3	2	543	3	4
13	1	1	1	3	4	11	3	2	9	3	1	1
14	1	1	1	2	6	5	3	2	8	3	1	1
15	1	1	2	2	11	2	3	53	8	3	1	1
16	1	26	2	2	20	2	3	3	8	3	1	1
17	13	2	2	2	13	1	3	4	8	3	1	1
18	18	2	1	2	10	1	3	2	19	3	1	1
19	1	2	1	1	5	2	3	10	8	3	1	0
20	1	2	1	1	0	2	3	2	8	3	1	0
21	1	1	1	0	0	2	3	3	8	3	1	0
22	1	1	2	0	0	4	3	4	335	3	1	0
23	1	1	3	0	1	16	3	3	12	3	1	1
24	2	1	4	1	1	5	3	3	11	3	1	1
25	1	1	5	2	2	4	2	4	10	3	1	1
26	1	1	4	3	2	4	2	3	9	3	1	1
27	1	1	3	2	2	6	2	3	8	2	1	1
28	1	1	2	2	1	4	2	23	7	2	1	1
29	1	1	1	2	...	3	4	6	7	2	1	1
30	1	0	0	1	...	2	3	10	8	2	1	1
31	1	0	0	0	...	2	...	5	...	2	1	...
Mean	2	2	2	1	3	3	4	5	49	4	1	1
Max.	18	26	5	3	20	16	32	53	543	8	2	4
Min.	0	0	0	0	0	1	2	2	2	2	1	0
A.F.	124	114	94	64	170	211	226	332	2900	225	61	46

Total acre-feet 4570.

REPORT OF THE STATE ENGINEER

NINE MILE DRAIN NEAR McGREW—Sec. 23-21-53 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	220	137	114	96	89	80	80	78	107	211	154	204
2	190	136	113	95	89	80	80	76	104	150	162	191
3	167	137	113	95	86	81	82	76	105	148	171	193
4	169	137	112	95	85	82	83	78	111	129	161	195
5	171	138	112	95	86	82	81	77	107	123	160	201
6	160	138	111	95	85	83	80	81	110	120	166	211
7	165	135	111	96	83	85	80	79	117	117	158	214
8	169	135	111	96	80	84	78	76	136	121	153	222
9	163	137	109	96	81	83	80	78	175	143	152	195
10	151	136	109	97	81	82	81	89	140	141	156	202
11	148	133	109	96	84	81	79	87	129	145	164	241
12	150	132	109	96	85	80	78	101	174	117	169	244
13	148	132	108	93	85	79	77	99	172	155	171	257
14	145	133	108	89	84	78	76	97	128	154	221	255
15	145	133	108	89	85	78	77	100	118	126	221	250
16	146	130	107	88	84	79	77	110	111	148	189	244
17	152	127	104	90	83	78	76	102	145	154	220	254
18	150	125	106	92	83	79	76	99	221	153	215	244
19	148	123	107	93	83	79	76	107	162	185	200	241
20	145	122	106	94	83	79	76	105	150	212	194	241
21	143	117	106	95	83	80	75	101	348	202	194	239
22	142	116	104	96	82	79	76	100	362	159	189	223
23	141	119	104	96	82	80	81	101	285	182	188	206
24	140	117	104	95	81	80	80	107	181	169	193	200
25	138	116	104	95	81	79	79	113	156	161	192	194
26	138	116	104	94	81	80	78	121	179	158	194	204
27	138	116	104	95	81	80	79	116	166	162	198	215
28	138	116	97	94	80	78	80	156	148	158	194	223
29	138	116	95	93	..	77	80	176	524	157	188	227
30	135	114	95	91	..	80	78	133	481	148	193	254
31	135	..	95	89	..	80	..	116	..	153	205	..
Mean	153	127	106	94	83	80	79	101	185	154	183	223
Max.	220	138	114	97	89	85	83	176	524	212	221	257
Min.	135	114	95	88	80	77	75	76	104	117	152	191
A.F.	9380	7570	6540	5770	4630	4930	4680	6220	11010	9440	11280	13260

Total acre-feet 94710.

NIOBRARA RIVER ABOVE BOX BUTTE RESERVOIR—Sec. 27-29-50 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	39	42	40	44	53	59	33	28	87	31	20
2	32	15	43	40	44	58	59	31	28	74	36	18
3	34	28	48	40	44	40	62	29	22	87	34	18
4	34	28	51	40	44	38	57	28	22	92	32	17
5	38	30	51	40	44	41	57	27	21	69	30	17
6	37	30	51	41	44	41	56	27	18	53	32	17
7	40	30	48	43	42	37	56	26	16	46	29	17
8	42	32	46	44	36	40	56	24	15	44	27	17
9	44	34	53	40	36	42	60	23	17	43	26	16
10	44	33	53	42	38	43	63	23	15	145	26	14
11	45	38	53	42	36	44	62	24	17	56	33	20
12	44	28	53	45	31	46	59	28	29	42	32	20
13	44	27	40	44	34	45	57	27	30	36	29	24
14	47	36	44	42	40	53	56	22	27	33	30	33
15	46	40	53	38	45	58	54	22	26	31	30	18
16	44	44	60	39	51	57	51	20	28	29	30	19
17	48	46	51	40	35	55	53	21	202	28	30	18
18	48	58	42	48	45	57	49	20	110	25	28	20
19	46	49	33	48	45	62	46	22	65	27	26	22
20	46	48	40	51	66	63	46	23	65	18	29	22
21	44	45	48	56	56	65	43	17	224	65	26	22
22	44	44	47	41	52	68	40	19	99	146	26	22
23	42	46	49	38	51	71	42	16	79	148	27	21
24	42	45	49	38	52	66	42	19	84	48	24	22
25	42	49	51	38	60	62	42	20	93	42	24	23
26	41	50	52	40	60	60	40	14	74	44	23	27
27	42	51	51	44	60	62	36	15	60	43	21	28
28	41	51	44	44	57	59	36	20	54	35	22	28
29	41	53	38	44	..	60	38	24	66	30	22	28
30	42	51	39	46	..	60	36	32	265	30	19	30
31	40	..	40	..	..	58	..	28	..	29	20	..
Mean	42	40	47	42	47	54	50	23	63	56	28	21
Max.	48	58	60	56	66	71	63	33	265	148	36	33
Min.	32	15	33	38	31	37	36	14	15	18	19	14
A.F.	2570	2380	2990	2620	2600	3300	3000	1440	3770	3420	1690	1270

Total acre-feet 30960.

BUREAU OF IRRIGATION

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NIORBARA RIVER BELOW BOX BUTTE RESERVOIR—Sec. 28-29-49 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	1	1	1	1	1	1	1	2	1	95	79
2	2	12	1	1	1	1	1	0	2	1	96	80
3	2	16	1	1	1	1	1	1	2	1	97	77
4	2	10	1	1	1	1	1	0	2	1	99	74
5	2	9	1	1	1	1	1	1	2	1	100	67
6	2	10	1	1	1	1	1	0	3	1	111	63
7	2	4	1	1	2	1	1	1	3	1	114	62
8	2	0	1	1	1	1	1	1	3	0	114	57
9	2	0	1	2	1	1	1	1	3	1	122	49
10	2	0	1	1	1	2	1	1	25	1	126	45
11	1	0	1	1	1	2	1	1	30	0	124	25
12	1	0	1	1	1	1	1	2	15	0	122	25
13	1	0	1	1	1	1	1	1	15	1	117	26
14	1	0	2	1	1	1	1	1	14	13	117	26
15	1	0	2	1	1	1	1	1	15	29	117	24
16	1	0	2	1	1	1	1	1	26	31	113	18
17	1	0	2	1	1	1	1	1	26	31	107	14
18	1	0	2	1	1	1	1	1	12	36	104	14
19	1	0	2	1	1	1	0	1	1	38	95	14
20	1	0	2	0	1	1	0	1	3	44	83	12
21	1	1	2	0	1	1	1	1	2	36	82	5
22	1	1	2	0	1	1	0	1	2	1	81	2
23	1	1	2	0	1	1	0	1	1	0	85	2
24	0	1	2	0	1	1	0	2	1	0	86	1
25	0	1	2	0	1	1	0	2	1	19	85	1
26	1	1	1	1	1	1	1	30	1	28	72	1
27	1	1	1	1	1	1	1	15	1	29	73	1
28	1	1	1	1	1	1	1	1	1	55	77	1
29	1	1	2	1	1	1	1	2	1	67	75	1
30	1	1	2	0	1	1	1	2	1	81	75	1
31	1	1	1	1	1	1	1	2	1	94	76	1
Mean	1	3	1	1	1	1	1	3	7	21	98	29
Max.	2	16	2	2	2	2	1	30	30	94	126	80
Min.	0	0	1	0	1	1	0	0	1	0	72	1
A.F.	78	149	86	51	61	70	52	159	433	1280	6030	1720

Total acre-feet 10170.

NIORBARA RIVER NEAR GORDON—Sec. 26-31-42 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	96	121	157	70	65	125	149	105	125	295	96	85
2	94	121	138	75	65	130	168	105	118	206	99	88
3	108	121	138	90	65	130	161	102	121	188	91	88
4	108	135	145	100	65	135	142	99	131	210	85	82
5	135	145	138	120	70	140	102	99	138	184	80	82
6	149	149	142	145	70	140	99	96	111	188	82	82
7	145	145	164	115	70	145	128	94	105	176	77	88
8	153	105	164	80	75	150	102	94	102	161	68	88
9	161	111	153	95	80	155	102	94	108	168	70	94
10	153	114	164	110	90	168	105	94	105	224	70	99
11	145	118	164	135	100	149	121	96	105	197	70	108
12	149	121	145	135	110	135	105	121	149	145	77	135
13	145	125	110	120	130	138	138	142	135	128	80	111
14	138	128	145	95	150	145	138	128	145	128	75	96
15	131	128	130	80	195	142	142	125	131	135	75	94
16	125	131	65	90	250	145	142	125	153	128	75	96
17	128	135	35	90	165	145	168	111	153	121	75	88
18	145	131	40	95	120	168	161	114	1110	128	77	91
19	153	125	60	100	95	157	153	121	723	121	91	85
20	153	120	80	110	95	145	153	125	317	114	85	91
21	153	115	105	120	130	157	145	118	295	118	77	82
22	149	110	130	125	110	149	145	108	562	142	72	80
23	149	115	145	150	95	161	145	102	837	164	80	80
24	153	125	145	165	95	145	149	91	538	149	80	88
25	149	138	145	170	100	149	138	85	340	128	82	88
26	142	149	145	160	110	176	128	91	285	121	85	94
27	135	164	125	145	120	157	118	99	193	111	85	88
28	131	184	50	110	120	168	114	111	202	102	85	85
29	125	176	50	60	60	157	114	138	193	94	91	88
30	125	172	55	60	60	172	108	118	228	88	88	96
31	128	128	65	60	60	161	131	125	125	94	85	96
Mean	137	133	117	109	107	150	133	100	266	150	81	91
Max.	161	184	164	170	250	176	168	142	1110	295	99	135
Min.	94	105	35	60	65	125	99	85	102	88	68	80
A.F.	8450	7890	7210	6690	5960	9200	7900	6700	15800	9240	4970	5430

Total acre-feet 95440.

REPORT OF THE STATE ENGINEER.

 NIOBRARA RIVER NEAR COLCLESSOR—Sec. 29-30-44 W.
 Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	45	64	60	58	45	62	52	52	91	28	35
2	35	44	62	60	58	50	64	49	52	78	19	28
3	42	49	68	60	58	50	68	45	49	70	22	22
4	45	56	64	60	58	50	64	44	42	64	21	28
5	58	54	60	60	58	50	60	38	49	62	25	34
6	62	45	66	60	58	50	52	38	42	44	20	37
7	56	44	64	60	58	50	50	35	35	38	14	32
8	60	49	68	60	58	50	52	35	37	32	20	35
9	56	56	64	60	58	50	66	28	45	104	20	37
10	64	72	60	60	58	50	74	27	52	93	25	34
11	60	68	60	60	58	68	72	21	45	58	31	64
12	56	64	64	60	58	56	64	24	64	37	34	54
13	60	85	68	60	58	44	64	24	93	32	40	44
14	49	93	62	60	58	52	66	31	85	28	38	42
15	52	95	64	60	58	64	66	38	60	27	32	40
16	47	98	70	60	58	49	66	38	66	31	37	38
17	52	68	60	60	58	31	74	38	62	29	40	40
18	45	68	68	60	58	27	64	38	296	24	31	42
19	47	60	60	60	58	35	70	45	214	25	28	38
20	52	56	60	60	58	45	72	52	235	27	22	50
21	52	64	60	60	58	50	68	52	220	24	22	50
22	56	72	60	60	58	49	64	42	290	47	22	44
23	52	62	60	60	58	42	64	44	169	42	29	42
24	49	52	60	60	58	52	64	49	143	38	35	44
25	49	62	60	60	58	49	60	47	121	42	29	52
26	45	64	60	60	58	49	56	50	52	27	28	50
27	52	60	60	60	58	54	68	56	68	18	31	47
28	49	58	66	60	58	66	66	64	49	20	28	45
29	49	68	60	60	...	70	64	68	66	21	34	56
30	47	70	60	60	...	68	58	62	91	22	29	49
31	45	...	60	60	...	66	...	54	...	31	37	...
Mean	51	63	63	60	58	51	64	43	99	43	28	42
Max.	64	98	70	...	...	70	74	68	296	104	40	64
Min.	35	44	...	...	...	27	50	21	35	18	14	22
A.F.	3140	3770	3850	3690	3220	3140	3810	2630	5900	2630	1730	2490

Total acre-feet 40000.

Note: Poor record. Only one measurement October to March.

 NIOBRARA RIVER NEAR SPENCER—Sec. 30-33-11 W.
 Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1100	1360	1210	217	1320	1120	1680	1480	3110	1850	919	903
2	1100	1320	1080	273	1120	1230	1680	1250	2090	1850	967	871
3	1080	1270	1270	425	1020	1210	1760	1250	2320	1680	763	812
4	1400	1250	1580	465	1250	1300	1870	1170	2870	1730	797	812
5	7430	1250	1420	465	1190	1320	2090	1170	2150	1600	739	812
6	3490	1420	1380	511	1190	1380	2500	1420	2120	1450	754	768
7	2790	1930	1400	546	1110	1400	1990	1270	2830	1340	812	754
8	3960	1900	1360	619	913	1340	2060	1210	1620	1500	826	739
9	2790	1820	1400	1020	831	1360	2150	1230	1550	1250	645	1020
10	2120	1790	1340	1550	942	1600	3450	1300	3060	1300	632	1520
11	1790	1580	1380	1600	726	1990	3810	1250	2420	1600	645	1170
12	1650	1380	1300	1450	711	2220	2940	1360	2390	1230	645	1300
13	1600	1340	1100	1270	943	2090	2360	1450	3320	1380	826	1120
14	1500	1360	606	1170	1340	2090	2150	1300	2750	1080	855	1080
15	1550	1400	1250	1270	2150	2150	1870	2150	2830	1140	855	983
16	1450	1300	1480	1320	3190	1820	1550	1580	2900	1070	797	999
17	1480	1250	568	1300	3020	1600	1730	1450	2530	1100	739	967
18	1480	1320	385	1380	2320	1600	1600	1320	2420	1320	724	935
19	1420	1520	297	1360	2120	1900	1960	1320	2120	1050	903	887
20	1420	1340	280	1400	1870	2390	1730	1190	2150	1360	935	983
21	1420	1320	684	1380	1820	3150	1710	1230	3230	1100	782	1080
22	1380	951	1030	1320	1710	5030	1850	1250	4360	999	739	1050
23	1380	1450	1650	1420	1520	5890	1760	1160	4420	1100	710	1070
24	1400	1500	2790	1580	1420	3680	1580	1170	3020	1020	697	999
25	1380	1070	1790	1650	1400	2190	1400	1170	3910	967	887	1020
26	1380	1380	1680	1900	1250	1760	1450	1120	2900	903	812	983
27	1340	1620	1550	1960	1050	1870	1320	1190	2190	887	826	1080
28	1340	1820	852	1790	1050	1900	1270	1760	2190	935	754	983
29	1380	1520	297	1580	...	1820	1340	2280	1960	903	855	1030
30	1450	1450	258	1360	...	1730	1520	1820	2190	871	826	1080
31	1360	...	150	1320	...	1760	...	1500	...	871	951	...
Mean	1865	1439	1123	1189	1446	2061	1948	1380	2681	1240	794	994
Max.	7430	1930	2790	1960	3190	5890	3810	2280	4360	1850	967	1520
Min.	1080	951	150	217	711	1120	1270	1120	1550	871	632	739
A.F.	114700	85650	69060	73130	80320	126700	115900	84830	159500	76240	48840	59130

Total acre-feet 1094000.

BUREAU OF IRRIGATION

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NIOBRARA RIVER NEAR SPARKS—Sec. 22-34-26 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	804	762	802	370	610	610	1010	872	877	1300	628	664
2	800	752	771	680	640	580	1010	810	804	1290	630	650
3	958	762	776	870	830	600	998	756	871	1200	616	644
4	910	758	772	900	830	620	1030	808	905	1070	620	667
5	956	758	780	840	730	600	1060	795	818	996	602	660
6	938	767	790	830	830	570	1020	807	853	947	615	616
7	1000	903	791	830	800	600	986	802	844	868	602	604
8	1020	808	800	760	760	720	1060	831	794	834	589	615
9	930	842	814	890	730	790	1020	788	1060	782	586	626
10	920	893	772	890	720	870	1060	772	1210	792	581	708
11	892	800	800	900	770	1000	1040	780	1000	869	564	773
12	868	781	770	660	850	1050	1060	797	1160	821	611	692
13	872	780	779	680	1000	1050	992	878	1250	806	620	694
14	868	776	805	650	1600	1050	966	873	1240	765	638	682
15	841	822	792	570	2000	1050	898	904	1200	792	634	653
16	827	844	786	560	1800	1050	1000	862	1360	858	644	623
17	798	863	620	580	1600	1050	954	814	1180	860	644	636
18	797	799	320	660	1300	1050	895	791	1180	765	659	662
19	798	798	240	690	990	1050	901	772	1540	761	668	606
20	792	862	350	690	740	1050	872	764	1880	744	686	675
21	780	873	839	650	680	1050	887	743	1530	761	673	737
22	772	824	831	710	640	1050	868	752	1500	663	620	700
23	768	804	844	970	550	1050	876	736	1570	638	625	644
24	806	804	864	1100	530	1050	916	717	1910	654	642	657
25	794	789	887	1200	510	1050	871	714	1720	688	661	675
26	774	784	834	1200	560	1050	849	707	1500	706	648	660
27	791	784	882	1200	580	1070	860	792	1370	643	635	680
28	778	802	712	1100	580	1040	871	980	1250	650	636	659
29	786	784	490	900	...	1030	872	946	1240	688	664	704
30	792	806	240	690	...	1010	867	850	1280	650	637	718
31	762	...	290	730	...	1020	...	795	...	613	661	660
Mean	846	807	705	805	884	919	952	806	1230	822	630	666
Max.	1020	903	887	1200	2000	...	1060	980	1910	1300	686	773
Min.	762	756	240	370	510	570	849	707	794	613	564	604
A.F.	52000	48010	43320	49510	49110	56490	56670	49560	73180	50530	38750	39640

Total acre-feet 606800.

OMAHA CREEK AT HOMER—Sec. 12-27-S E.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	6	5	6	9	14	30	28	69	22	12	4
2	2	6	11	6	13	14	28	22	70	21	13	4
3	2	6	11	6	13	14	40	21	40	21	13	4
4	27	6	16	6	11	14	36	20	40	21	10	4
5	18	6	19	6	12	15	49	21	40	194	10	4
6	8	28	22	3	12	16	40	25	31	107	10	3
7	10	52	13	4	11	16	26	22	162	25	10	5
8	10	16	12	5	12	16	30	20	59	22	9	3
9	6	16	12	6	9	32	30	20	42	22	8	3
10	22	49	11	8	10	48	209	20	119	21	8	5
11	28	12	11	8	10	59	69	18	34	28	7	22
12	11	17	12	11	11	99	42	20	489	36	7	72
13	6	17	12	12	11	92	35	26	166	20	7	20
14	5	16	13	12	19	50	32	25	55	18	7	6
15	6	20	18	11	23	40	31	33	42	17	7	5
16	6	186	17	10	37	39	29	24	40	16	7	4
17	11	27	18	10	24	37	29	23	37	17	7	5
18	77	31	18	9	18	39	28	24	35	16	6	5
19	16	20	18	10	19	45	25	21	35	15	6	4
20	8	18	17	10	20	43	25	20	35	19	7	4
21	8	16	16	9	18	49	25	19	36	17	7	3
22	8	11	17	10	16	59	25	20	108	14	7	3
23	9	12	15	9	15	93	344	19	71	14	7	2
24	84	9	12	10	14	94	60	18	35	14	7	3
25	14	15	13	12	14	34	40	18	103	15	8	3
26	8	15	12	16	13	30	30	16	36	15	8	3
27	8	15	13	15	13	35	20	16	68	14	7	3
28	6	11	8	14	12	32	30	35	63	13	6	4
29	8	7	5	13	...	30	40	51	34	13	5	4
30	8	6	6	9	...	27	30	38	24	10	5	4
31	8	...	7	8	...	28	...	24	...	10	4	...
Mean	15	22	13	9	15	40	50	24	74	27	8	7
Max.	84	186	22	16	37	99	344	51	489	194	13	72
Min.	2	6	5	3	9	14	20	16	24	10	4	2
A.F.	897	1330	813	563	831	2490	2990	1440	4400	1640	475	433

Total acre-feet 18300.

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PLUM CREEK NEAR SMITHFIELD—Sec. 15-8-21 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	0	0
3	0	0	0	0	0	0	0	0	0	22	0	0
4	0	0	0	0	0	0	0	0	0	5	0	0
5	1020	0	0	0	0	0	0	0	0	2	0	0
6	528	0	0	0	0	0	0	0	0	0	0	0
7	726	0	0	0	0	0	0	0	0	0	0	0
8	604	0	0	0	0	0	0	0	0	0	0	0
9	409	0	0	0	0	0	0	0	0	0	0	0
10	403	0	0	0	0	4	0	0	0	0	0	0
11	173	0	0	0	0	30	2	0	0	0	0	5
12	106	0	0	0	0	30	1	0	2	0	0	0
13	17	0	0	0	0	40	0	0	0	0	0	0
14	6	0	0	0	3	55	0	0	6	0	0	0
15	5	0	0	0	21	70	0	0	21	0	0	0
16	2	3	0	0	40	60	0	0	5	0	0	0
17	1	4	0	0	28	35	0	0	4	0	0	0
18	1	2	0	0	11	25	0	0	45	0	0	0
19	0	1	0	0	10	20	0	0	18	0	0	0
20	0	1	0	0	4	10	0	0	6	0	0	0
21	0	0	0	0	2	4	0	17	19	0	0	0
22	0	0	0	0	1	2	0	6	1810	0	0	0
23	0	0	0	0	1	0	0	2	1850	0	0	0
24	0	0	0	0	1	0	0	1	1310	0	0	0
25	2	0	0	0	0	0	0	0	265	0	0	0
26	5	0	0	0	0	0	0	0	10	0	0	0
27	3	0	0	0	0	0	0	0	6	0	0	0
28	2	0	0	0	0	0	0	0	4	0	0	0
29	1	0	0	0	0	0	0	0	2	0	0	0
30	0	0	0	0	0	0	0	0	1	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
Mean	130	0	0	0	4	12	0	1	179	1	0	0
Max.	1020	4	0	0	40	70	2	17	1850	22	0	5
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	7960	20	0	0	243	766	7	55	10680	68	0	11

Total acre-feet 19810.

PRAIRIE DOG CREEK NEAR WOODRUFF, KAN.—Sec. 33-1-18 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	84	33	13	12	20	23	47	21	126	29	18
2	4	55	33	14	18	17	22	41	22	102	26	15
3	4	46	32	14	30	17	22	24	56	88	24	13
4	5	43	32	13	35	24	22	20	42	77	23	12
5	100	42	32	15	30	24	21	21	18	70	23	10
6	1500	45	32	19	29	25	21	24	419	65	21	8
7	1400	45	31	19	29	26	22	17	771	65	20	8
8	1580	45	31	19	27	27	22	15	547	56	19	8
9	1580	61	30	20	29	23	21	15	96	55	19	8
10	1600	67	30	20	25	26	22	15	49	55	17	7
11	1610	60	29	20	25	63	23	15	38	54	14	6
12	1580	55	28	20	27	78	23	16	202	688	16	6
13	404	50	27	21	29	202	24	16	503	253	18	7
14	220	43	27	22	30	248	22	18	272	109	18	20
15	172	43	27	25	32	176	20	19	103	74	15	13
16	143	41	26	26	32	162	20	19	62	62	52	11
17	126	40	22	26	32	138	19	22	45	58	149	10
18	112	59	20	14	35	153	19	36	460	104	181	10
19	104	92	25	10	35	178	18	66	888	69	72	9
20	94	66	22	11	30	112	18	55	1077	56	38	8
21	87	57	23	15	26	72	18	30	1060	46	26	7
22	81	48	24	19	28	53	18	21	5120	54	21	7
23	76	44	26	20	24	43	17	18	9700	43	17	6
24	69	40	28	20	26	37	17	17	3540	53	15	6
25	69	37	26	18	23	32	18	16	1680	62	16	5
26	67	36	29	24	18	29	17	15	2190	42	16	5
27	64	36	25	27	12	27	17	15	1570	35	24	6
28	61	35	20	24	25	26	17	17	998	32	56	6
29	76	35	15	27	..	25	18	19	450	31	45	5
30	191	35	10	16	..	24	18	19	177	31	33	6
31	126	..	12	14	..	24	..	18	..	30	24	..
Mean	429	50	26	19	27	69	20	23	1041	88	35	9
Max.	1610	84	33	27	35	248	24	66	9700	688	181	20
Min.	3	35	10	10	12	12	17	15	18	30	14	5
A.F.	26400	2950	1600	1150	1490	4220	1190	1440	61940	5430	2160	531

Total acre-feet 110500.

BUREAU OF IRRIGATION

537

PUMPKINSEED CREEK NEAR BRIDGEFORT—Sec. 12-19-50 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	36	50	41	35	40	37	22	39	54	16	24
2	24	36	51	42	35	36	37	26	50	51	16	26
3	24	36	51	43	40	40	36	24	53	50	16	26
4	25	37	46	42	45	46	36	20	44	49	14	26
5	27	38	47	41	50	43	34	18	45	53	12	26
6	26	38	47	41	53	41	33	17	52	56	12	26
7	28	41	47	42	50	43	33	17	39	53	11	26
8	28	42	46	43	45	43	33	13	28	49	14	26
9	28	43	46	43	40	43	34	12	38	49	12	26
10	29	41	46	42	35	45	37	14	42	49	9	20
11	30	37	43	46	47	45	34	10	43	45	9	44
12	30	38	43	46	49	44	36	17	52	38	9	60
13	31	37	45	45	54	45	35	15	62	40	10	60
14	31	39	45	37	56	43	34	16	55	36	10	60
15	31	45	46	34	54	42	34	16	52	32	10	60
16	34	49	48	33	50	43	33	18	49	25	10	57
17	34	48	43	36	50	43	35	21	51	20	10	65
18	36	51	39	39	45	42	35	16	54	28	10	54
19	35	51	39	39	47	41	35	14	49	26	10	34
20	36	51	40	38	45	40	35	14	49	18	10	36
21	36	49	41	37	45	40	36	14	34	24	8	41
22	36	50	42	35	46	40	36	12	121	42	9	36
23	36	51	43	40	45	40	35	12	96	58	10	32
24	35	51	45	42	45	40	36	13	95	50	10	30
25	34	51	45	45	41	40	34	14	71	45	10	31
26	32	51	45	45	39	40	37	13	60	48	10	35
27	30	51	45	45	37	40	36	12	60	37	10	33
28	35	51	45	44	36	41	34	28	58	28	11	24
29	36	51	40	44	..	41	30	49	64	22	12	24
30	34	50	34	39	..	40	30	49	60	16	12	26
31	34	..	40	32	..	40	..	39	..	16	14	..
Mean	32	45	44	41	45	42	35	19	57	39	11	36
Max.	36	51	51	46	56	46	37	49	121	58	16	65
Min.	24	36	34	32	35	36	30	10	28	16	8	20
A. F.	1950	2660	2720	2500	2500	2560	2060	1180	3410	2390	685	2170

Total acre-feet 26780.

RED WILLOW CREEK NEAR BAYARD—Sec. 7-20-51 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	115	114	94	91	68	57	62	50	72	239	77	86
2	108	112	94	88	69	58	63	51	71	188	77	83
3	98	114	95	82	64	58	66	49	77	176	76	86
4	95	114	95	82	64	58	67	52	82	176	76	96
5	109	115	95	90	67	58	62	48	81	176	78	105
6	112	114	92	92	67	59	63	46	80	194	75	101
7	129	110	92	86	56	60	63	46	140	148	77	99
8	130	110	91	83	60	61	64	43	314	204	77	99
9	127	110	90	82	62	64	64	44	335	210	77	101
10	124	110	88	81	62	63	69	45	168	171	71	118
11	120	108	88	80	62	63	63	124	154	178	69	171
12	121	102	88	78	64	64	62	145	213	171	69	201
13	116	102	88	77	66	64	62	77	188	161	74	185
14	116	102	90	76	66	63	61	69	129	187	76	182
15	116	103	88	71	66	64	59	67	106	75	129	212
16	122	103	86	70	66	62	60	66	105	282	67	206
17	135	102	83	71	64	61	60	58	106	69	67	221
18	148	105	86	72	63	60	60	66	294	98	55	234
19	138	103	86	74	63	60	56	70	173	98	60	228
20	138	102	86	72	63	60	54	108	137	95	60	228
21	134	99	88	69	64	60	52	86	304	86	67	236
22	127	98	88	69	64	61	52	78	473	138	67	232
23	127	101	88	70	64	61	55	69	262	114	64	219
24	124	99	88	70	66	60	55	68	204	137	66	210
25	127	96	87	71	67	60	54	70	201	153	66	192
26	126	95	88	70	67	62	52	60	212	129	72	176
27	122	95	90	71	67	62	52	52	266	137	90	188
28	122	95	87	70	59	63	55	106	330	106	91	195
29	121	95	87	69	..	63	52	151	650	92	87	208
30	118	94	90	68	..	63	51	120	703	72	86	204
31	115	..	89	68	..	62	..	70	..	85	87	..
Mean	122	104	89	76	64	61	59	73	221	147	75	170
Max.	148	115	95	92	69	64	69	151	703	282	129	236
Min.	95	94	83	68	56	57	51	43	71	69	55	83
A. F.	7500	6190	5490	4690	3570	3760	3510	4470	13150	9010	4620	10120

Total acre-feet 76080.

REPORT OF THE STATE ENGINEER

RED WILLOW CREEK NORTH OF McCOOK—Sec. 6-4-29 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	25	28	20	25	27	28	25	32	0	0	0
2	12	24	28	20	30	24	28	24	28	0	0	0
3	12	25	27	20	25	25	29	24	27	0	0	0
4	18	25	27	20	25	30	34	22	25	0	0	0
5	355	26	27	20	25	27	35	22	24	0	0	0
6	96	28	27	20	30	27	34	22	28	0	0	0
7	459	28	27	20	25	27	34	21	66	0	0	0
8	235	31	27	20	25	27	36	21	129	0	0	0
9	106	33	27	22	25	27	39	20	92	0	0	0
10	547	33	27	25	25	27	43	20	68	0	0	0
11	112	32	27	26	25	27	52	21	61	0	0	0
12	66	33	27	26	26	27	52	22	56	0	0	0
13	58	32	27	27	31	27	50	23	56	0	0	0
14	52	32	26	23	33	27	48	21	52	0	0	0
15	49	32	26	23	34	27	45	22	48	0	0	0
16	46	33	27	19	36	27	43	18	46	0	0	0
17	41	34	26	23	35	29	40	23	51	0	0	0
18	37	34	16	20	34	30	36	25	62	0	0	0
19	34	34	20	26	36	31	34	26	49	0	0	0
20	33	34	25	27	36	32	31	27	46	0	0	0
21	31	34	25	23	36	33	30	28	218	0	0	0
22	29	34	22	25	36	34	30	28	0	0	0	0
23	28	34	25	25	34	34	28	28	0	0	0	0
24	27	34	24	28	28	34	27	27	0	0	0	0
25	26	32	24	30	26	34	27	26	0	0	0	0
26	26	32	25	30	27	34	26	25	0	0	0	0
27	27	30	27	31	25	33	26	24	0	0	0	0
28	27	30	27	30	27	32	26	25	0	0	0	0
29	26	30	15	25	..	32	26	28	0	0	0	0
30	26	29	20	20	..	30	26	32	0	0	0	0
31	25	..	20	25	..	30	..	32	..	0	0	..
Mean	86	31	25	24	30	29	35	24	60	0	0	0
Max.	547	34	28	31	36	34	52	32	218	0	0	0
Min.	12	24	15	19	25	24	26	18	24	0	0	0
A.F.	5310	1840	1530	1470	1640	1810	2070	1490	2510	0	0	0

Total acre-feet 19670.

RED WILLOW CREEK NEAR RED WILLOW—Sec. 8-3-28 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	34	35	25	30	20	35	31	32	90	30	15
2	17	34	36	25	35	15	35	31	33	75	28	15
3	18	34	34	25	35	20	35	30	30	62	26	14
4	26	32	34	25	20	35	36	30	29	65	24	14
5	1030	32	34	25	35	35	40	29	28	65	22	14
6	136	35	34	25	35	30	39	29	49	65	22	14
7	703	36	34	26	20	30	41	28	34	66	21	14
8	659	37	34	27	15	30	43	27	130	65	20	13
9	121	45	34	27	25	30	43	27	124	60	18	13
10	931	42	34	28	30	35	47	27	84	55	19	14
11	225	40	34	32	30	37	54	28	66	50	19	16
12	94	35	34	33	35	37	61	28	103	45	18	20
13	81	40	33	34	30	37	57	28	61	40	18	20
14	69	40	34	25	40	38	56	28	56	35	17	17
15	62	41	34	20	47	37	54	29	51	33	17	17
16	58	42	33	15	40	37	52	30	47	32	17	16
17	54	41	30	15	40	38	48	27	50	32	16	16
18	50	43	25	25	40	38	44	31	82	30	15	16
19	47	43	20	25	40	38	44	32	53	30	16	16
20	45	43	25	35	40	38	39	32	46	29	15	16
21	42	43	30	20	35	38	36	34	43	29	14	16
22	39	43	25	25	35	39	35	33	5730	29	14	16
23	38	42	30	20	35	40	34	32	508	28	14	16
24	36	42	30	30	35	39	33	31	374	23	16	16
25	35	40	30	36	25	38	33	30	148	29	16	15
26	35	39	30	34	25	38	33	30	130	29	16	16
27	34	38	31	35	20	38	32	28	140	30	16	16
28	34	37	25	35	20	37	32	29	130	30	16	16
29	33	37	10	20	..	36	32	29	120	30	16	16
30	34	37	20	15	..	36	31	33	100	30	16	16
31	34	..	20	20	..	36	..	35	..	30	16	..
Mean	156	39	30	26	32	34	41	30	287	43	18	16
Max.	1030	45	38	36	47	40	61	35	5730	90	30	20
Min.	17	32	10	15	15	15	31	27	28	28	14	13
A.F.	9590	2310	1840	1600	1770	2120	2450	1840	17080	2670	1120	930

Total acre-feet 45320.

BUREAU OF IRRIGATION

539

REPUBLICAN RIVER, SOUTH FORK, NEAR HALE, COLORADO—Sec. 17-5-42 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	33	39	20	45	20	38	65	70	30	16	6
2	26	35	39	25	45	25	38	58	70	15	14	6
3	22	60	42	30	45	25	38	54	50	12	11	6
4	27	43	44	30	40	62	38	50	50	10	10	6
5	43	49	46	30	45	49	38	47	50	13	8	6
6	27	49	46	40	45	44	38	44	50	8	8	6
7	42	60	46	40	40	46	38	42	50	8	6	8
8	40	54	44	45	35	49	38	42	50	7	4	5
9	34	58	46	50	40	52	38	43	50	6	4	4
10	38	52	43	50	40	50	38	44	40	5	1	5
11	39	52	43	60	45	55	38	50	44	4	0	12
12	35	50	42	65	45	55	38	52	84	5	0	13
13	35	46	42	65	45	40	38	44	55	6	0	9
14	34	48	42	60	55	40	38	44	49	6	14	8
15	33	50	42	65	65	40	40	46	44	51	20	9
16	35	54	38	50	72	40	40	102	40	26	15	10
17	42	49	29	60	69	44	40	82	38	28	8	8
18	40	49	28	55	91	49	40	72	34	27	6	6
19	40	50	25	50	62	72	40	71	59	26	5	5
20	38	55	30	45	33	55	40	82	71	22	4	5
21	36	52	35	50	34	46	40	67	46	24	3	6
22	34	49	38	55	35	42	42	60	43	34	1	8
23	35	52	40	55	34	42	42	60	42	34	1	9
24	33	49	38	65	33	40	42	58	44	31	5	10
25	33	48	42	65	24	40	43	55	43	27	11	13
26	30	42	42	60	27	36	40	50	42	22	8	17
27	33	50	43	54	24	38	38	52	40	22	7	15
28	34	46	35	62	24	36	978	1090	36	19	5	15
29	33	43	25	60	..	36	151	451	34	18	6	17
30	30	42	20	60	..	34	90	130	31	17	7	19
31	30	..	20	50	..	35	..	85	..	18	6	..
Mean	34	49	38	51	44	43	76	106	48	19	7	9
Max.	43	60	46	65	91	72	978	1090	84	51	20	19
Min.	22	33	20	20	24	20	..	42	31	4	0	4
A.F.	2100	2910	2330	3120	2450	2650	4520	6530	2870	1150	427	540

Total acre-feet 31600.

REPUBLICAN RIVER AT COLORADO-KANSAS LINE—Sec. 21-4S-42 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	45	45	35	30	55	42	55	66	20	14	1
2	23	48	40	40	35	65	43	59	70	12	12	1
3	23	62	45	40	40	70	45	61	72	6	10	2
4	27	53	45	45	40	75	39	61	76	6	6	1
5	39	51	47	45	40	50	23	59	68	6	6	1
6	31	51	48	45	40	55	27	55	70	8	6	1
7	37	51	48	45	50	60	47	57	64	8	10	1
8	40	50	47	55	35	85	45	51	57	9	9	0
9	31	50	43	50	40	90	31	57	50	8	6	2
10	30	42	42	65	50	85	51	59	42	6	6	1
11	29	37	37	75	55	66	57	61	57	4	4	7
12	33	50	40	75	70	66	55	59	90	4	3	8
13	34	51	39	80	85	59	48	50	70	6	5	6
14	30	62	36	75	103	62	51	48	64	7	7	2
15	33	70	40	60	85	45	55	50	68	36	12	5
16	36	76	43	65	76	64	47	101	53	22	10	4
17	39	66	36	65	79	68	48	87	45	24	7	4
18	40	66	37	65	103	57	48	68	43	22	5	2
19	39	66	39	60	83	87	51	64	50	19	5	2
20	37	68	50	65	70	57	51	81	87	17	5	2
21	36	70	43	65	74	47	48	66	48	33	5	2
22	29	48	40	80	83	68	45	57	31	41	5	3
23	26	59	50	100	72	74	50	61	27	26	5	4
24	23	51	48	95	59	72	50	61	33	23	5	5
25	24	47	50	57	40	59	55	57	29	22	5	7
26	27	43	51	55	55	62	55	59	30	19	4	12
27	33	48	50	51	50	61	50	62	37	20	2	14
28	36	47	45	42	55	55	1480	1270	26	17	0	10
29	43	50	35	40	..	51	68	648	22	17	0	12
30	42	48	30	40	..	45	53	156	23	17	1	12
31	47	..	35	25	..	43	..	72	..	14	1	..
Mean	33	54	43	58	61	63	95	123	52	16	6	4
Max.	47	76	51	100	103	90	1480	1270	90	41	14	14
Min.	23	37	30	25	30	43	23	48	22	4	0	0
A.F.	2030	3230	2630	3570	3370	3880	5670	7560	3110	996	359	266

Total acre-feet 36670

REPORT OF THE STATE ENGINEER

REPUBLICAN RIVER, N. F., AT COLORADO-NEBRASKA LINE--Sec. 10-1-42 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	35	62	60	55	68	56	96	51	33	6	5
2	26	40	61	60	65	66	55	91	49	30	8	5
3	21	59	65	60	70	68	56	83	43	22	9	5
4	24	54	64	65	70	69	56	79	42	15	8	5
5	40	56	65	65	60	66	56	72	50	10	5	6
6	44	62	64	65	60	62	51	66	116	8	7	5
7	49	72	62	70	59	64	59	64	72	9	6	4
8	49	64	61	65	60	64	61	62	66	8	6	5
9	42	69	60	56	60	64	61	62	60	8	5	5
10	42	68	59	52	60	64	62	65	61	6	4	5
11	40	69	60	54	70	65	60	72	50	6	5	8
12	35	70	61	57	64	65	61	75	84	5	7	13
13	36	70	59	56	68	64	57	68	78	40	10	14
14	37	69	60	57	64	64	59	66	61	39	20	14
15	35	72	59	59	64	62	57	73	52	14	10	10
16	32	73	57	60	66	61	62	101	49	13	9	12
17	37	70	55	64	69	62	59	96	42	53	8	20
18	42	68	59	60	62	65	57	83	42	21	8	20
19	59	65	57	57	64	64	66	77	43	12	7	19
20	54	66	60	57	64	59	69	79	41	11	7	19
21	49	66	62	59	64	61	61	70	62	12	6	28
22	49	66	65	61	66	59	62	62	215	98	6	35
23	49	66	62	62	68	60	59	42	124	70	5	21
24	49	66	62	61	66	60	60	51	82	36	5	23
25	46	65	64	61	66	57	64	51	75	33	35	23
26	43	65	65	61	65	56	64	48	61	18	14	23
27	43	65	64	61	68	55	65	41	45	21	7	21
28	43	65	64	60	68	56	519	87	37	30	5	23
29	43	62	55	65	...	56	166	79	25	13	5	24
30	44	62	50	50	...	56	101	64	39	6	5	24
31	42	...	60	55	...	55	...	50	...	6	6	...
Mean	41	64	61	60	64	62	80	70	64	23	8	15
Max.	59	73	65	70	70	69	519	101	215	98	35	35
Min.	21	35	50	50	55	55	51	41	25	5	4	4
A.F.	2530	3810	3730	3680	3580	3800	4760	4310	3800	1400	504	883

Total acre-feet 36790.

REPUBLICAN RIVER AT BENKELMAN--Sec. 19-1-37 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	55	90	68	148	161	131	67	20	4
2	85	120	77	145	137	116	58	16	3
3	85	150	112	154	129	105	52	10	2
4	90	130	103	163	123	101	47	6	2
5	90	130	103	168	125	96	39	4	1
6	95	140	103	137	133	632	32	6	2
7	95	110	121	148	123	154	28	4	1
8	100	80	173	165	117	117	30	4	1
9	110	80	205	175	110	121	28	2	3
10	120	85	200	177	119	125	32	1	14
11	120	90	208	185	125	108	29	1	29
12	130	100	161	156	133	135	22	1	27
13	130	100	141	133	112	114	20	1	23
14	120	110	127	145	125	91	35	7	20
15	110	100	137	121	127	96	47	10	24
16	85	140	116	86	143	100	39	6	27
17	103	117	119	119	168	107	43	6	24
18	93	90	163	149	121	143	112	55	26
19	103	95	132	706	135	145	116	48	4
20	161	100	125	641	141	143	117	43	2
21	145	100	137	480	131	143	114	41	1
22	150	110	159	310	117	131	140	300	0
23	135	120	161	219	110	123	101	88	0
24	145	140	105	170	117	123	93	76	7
25	119	160	100	148	117	123	100	61	6
26	129	150	80	137	116	114	94	56	20
27	117	140	72	156	117	110	86	47	16
28	75	110	68	131	1490	203	77	42	11
29	35	70	...	117	452	197	71	38	10
30	25	80	...	107	230	168	66	29	7
31	35	70	...	129	...	148	...	23	5
Mean	105	105	118	189	197	136	125	52	6	22
Max.	161	160	235	706	1490	203	632	300	20	41
Min.	25	55	68	68	86	110	66	20	0	1
A.F.	3110	6430	6530	11650	11740	8380	7410	3160	393	1280

Total acre-feet 60080.

BUREAU OF IRRIGATION

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN—Sec. 31-1-37 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	54	54	5	20	60	50	95	188	26	12	0
2	18	67	57	5	30	45	52	80	121	24	12	0
3	18	121	59	5	40	60	52	69	134	22	12	0
4	68	91	59	5	40	75	59	42	118	18	12	0
5	575	98	64	7	65	55	54	48	115	16	1	0
6	98	121	64	10	70	55	50	57	1750	14	2	0
7	77	130	69	15	40	75	50	61	104	12	0	0
8	77	138	69	30	35	100	74	67	112	19	0	0
9	108	138	69	35	25	130	83	59	85	11	0	0
10	213	151	69	40	25	270	105	59	77	6	0	0
11	59	115	61	40	30	264	83	67	160	3	0	0
12	57	50	67	30	55	198	72	88	1940	0	0	0
13	57	74	67	35	75	174	77	72	480	0	0	0
14	50	77	67	35	95	98	77	61	248	16	0	0
15	50	102	67	30	120	85	67	47	121	1	0	0
16	50	95	59	20	150	69	74	57	88	2	0	0
17	64	64	45	25	155	80	72	61	91	102	0	0
18	52	72	45	30	102	85	59	115	95	31	0	0
19	64	105	45	35	102	85	64	95	95	15	0	0
20	54	88	46	45	80	151	72	91	102	13	0	0
21	54	88	80	55	67	223	61	85	108	8	0	0
22	54	80	74	60	46	203	64	80	108	1640	0	0
23	54	61	83	75	26	59	54	74	59	280	0	0
24	54	59	80	110	25	64	61	74	52	112	0	0
25	54	57	77	120	30	57	74	72	50	95	0	0
26	57	59	64	95	25	57	59	69	46	80	0	0
27	50	54	57	85	50	48	46	69	42	52	0	0
28	48	59	30	70	50	50	54	1020	95	44	20	0
29	57	54	10	50	..	54	562	2190	35	24	0	0
30	50	57	7	35	..	54	174	659	26	19	0	0
31	50	..	5	30	..	59	..	364	..	14	0	0
Mean	78	86	57	41	60	101	117	168	226	87	2	0
Max.	575	151	83	120	155	270	1020	2190	1940	1640	12	0
Min.	18	50	5	5	20	45	46	42	26	0	0	0
A.F.	4780	5120	3510	2510	3320	6230	6980	10360	13480	5360	101	0

Total acre-feet 61750.

REPUBLICAN RIVER AT TRENTON—Sec. 2-2-33 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	234	30	75	220	181	439	269	96	25	0
2	217	30	90	210	176	302	269	90	15	0
3	202	35	95	250	176	252	288	85	10	0
4	191	40	100	210	228	217	329	75	7	0
5	186	50	110	220	207	228	302	70	6	0
6	181	40	110	200	162	207	3430	65	6	0
7	202	50	110	220	191	181	901	58	3	0
8	186	55	120	300	228	176	366	1030	2	0
9	191	85	120	360	275	176	329	240	1	0
10	196	130	120	550	275	196	316	103	1	0
11	196	170	90	560	269	217	343	61	0	0
12	186	220	160	422	234	234	1040	35	0	0
13	202	200	360	343	196	252	421	28	0	0
14	212	180	780	252	181	217	234	22	0	0
15	222	180	1040	275	181	212	257	37	0	0
16	222	150	915	269	176	263	257	45	0	0
17	186	160	928	257	181	398	207	198	0	0
18	162	150	448	263	207	430	212	154	0	0
19	132	170	230	830	186	316	162	121	0	0
20	176	190	190	1120	196	281	154	114	0	0
21	288	150	180	1010	196	263	196	114	0	0
22	275	150	160	653	176	252	358	1160	0	0
23	228	170	160	398	171	222	653	370	0	0
24	217	200	200	302	181	196	1060	234	0	0
25	207	270	180	281	202	181	515	181	0	0
26	181	380	130	228	196	191	316	128	0	0
27	162	370	100	222	186	186	212	86	0	0
28	100	210	130	212	1500	176	181	66	0	0
29	50	140	...	191	1820	2040	150	66	0	0
30	30	120	...	191	540	814	128	50	0	0
31	30	95	...	191	...	414	...	35	0	0
Mean	182	147	265	362	309	327	462	168	2	0
Max.	288	380	1040	1120	1820	2040	3430	1160	25	0
Min.	30	30	75	191	162	176	128	22	0	0
A.F.	N.R.	N.R.	11210	9060	14740	22230	18390	20090	27480	10350	149	0

N.R. No record.

REPORT OF THE STATE ENGINEER

 REPUBLICAN RIVER AT CULBERTSON—Sec. 17-3-31 W.
 Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	152	256	30	40	50	152	372	305	100	30	0
2	23	164	248	25	65	60	130	352	273	108	25	0
3	23	256	190	30	75	70	136	305	305	75	17	0
4	50	305	190	30	90	190	157	240	256	75	12	0
5	475	248	248	40	150	220	136	184	204	75	9	0
6	381	305	248	40	220	160	141	141	3600	75	7	0
7	700	381	248	45	70	200	164	164	724	75	5	0
8	375	466	240	55	50	250	224	190	352	984	2	0
9	204	488	256	70	85	500	281	136	240	401	1	0
10	2150	400	230	130	90	800	289	184	256	164	0	0
11	452	350	248	260	120	1030	248	157	297	88	0	0
12	232	300	248	372	210	536	204	152	1220	96	0	0
13	232	330	250	760	350	390	240	217	872	88	0	0
14	177	350	248	170	560	455	224	197	264	31	0	0
15	164	314	256	90	920	523	232	240	264	41	0	0
16	157	297	256	65	1870	390	146	224	264	29	0	0
17	184	256	220	65	1130	273	125	422	177	312	0	0
18	204	240	70	70	444	232	136	372	197	343	0	0
19	204	177	115	95	240	499	88	362	164	152	0	0
20	204	240	104	110	381	1410	152	281	141	68	0	0
21	217	314	104	140	96	1210	190	197	197	44	0	0
22	197	352	256	230	211	685	141	256	204	1760	0	0
23	157	273	211	350	314	352	125	211	152	760	0	0
24	136	217	224	430	422	224	120	164	314	352	0	0
25	120	248	248	540	240	240	130	157	224	204	0	0
26	100	224	211	640	72	240	164	204	381	100	0	0
27	115	232	177	360	150	211	120	164	190	96	0	0
28	115	273	55	190	45	170	199	146	100	92	0	0
29	100	305	20	220	..	136	2170	2200	96	76	0	0
30	120	324	20	230	..	96	510	1140	96	60	0	0
31	146	..	25	110	..	190	..	400	..	45	0	0
Mean	262	293	191	193	311	387	249	327	411	225	4	0
Max.	2150	488	256	760	1870	1410	2170	2200	3600	1760	30	0
Min.	18	152	20	25	40	50	88	136	96	29	0	0
A.F.	16130	17420	11740	11880	17280	23790	14820	20090	24450	13820	216	0

Total acre-feet 171600.

 REPUBLICAN RIVER AT CAMBRIDGE—Sec. 28-4-25 W.
 Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	128	453	564	180	120	310	436	912	639	1320	218	45
2	137	442	577	180	170	290	431	654	512	699	202	45
3	140	482	577	180	180	280	436	564	500	611	178	45
4	145	476	577	190	200	300	471	500	512	538	155	44
5	10000	577	544	200	320	320	512	494	459	506	140	42
6	1880	591	557	200	480	360	506	465	2630	525	130	20
7	5270	1020	551	210	400	450	488	436	2180	471	116	18
8	7460	787	538	230	280	820	532	425	1040	921	102	40
9	1720	968	532	250	270	920	557	431	754	771	92	42
10	9670	921	525	290	350	1020	706	436	639	950	82	92
11	3360	771	500	350	390	1140	813	459	598	2690	76	309
12	912	692	471	410	410	1030	746	471	1540	934	74	128
13	892	646	482	470	500	779	730	471	1670	726	72	77
14	771	662	466	480	620	714	646	471	1030	349	72	77
15	699	654	471	390	980	618	591	465	746	326	66	58
16	632	763	453	280	910	618	598	512	654	296	64	56
17	611	848	447	270	870	625	532	564	584	300	58	57
18	611	833	409	240	810	584	532	763	848	551	53	53
19	570	804	344	400	746	570	544	738	692	447	52	49
20	584	787	393	440	654	1100	519	646	570	388	49	49
21	570	804	393	500	611	1010	512	584	692	359	48	49
22	557	714	404	530	654	902	506	525	4000	420	46	49
23	512	699	442	570	618	779	494	494	7000	1290	46	52
24	500	654	471	600	525	669	471	519	3500	676	48	50
25	453	654	519	600	409	584	506	494	2300	482	52	48
26	436	611	494	680	360	551	512	476	1990	304	52	48
27	425	577	465	680	310	538	519	453	1680	304	48	50
28	442	584	431	600	230	488	525	532	1380	300	48	52
29	459	564	400	450	..	465	1620	546	1070	268	47	53
30	453	564	260	190	..	453	1390	1660	940	249	47	59
31	453	..	190	130	..	442	..	978	..	231	45	..
Mean	1660	688	466	369	478	636	613	586	2645	619	83	62
Max.	10000	1020	577	680	980	1140	1620	1660	4000	2690	218	309
Min.	128	442	190	130	120	280	431	425	459	231	45	18
A.F.	102100	40960	28650	22710	26530	39130	36460	36010	157400	38090	5110	3680

Total acre-feet 536800.

BUREAU OF IRRIGATION

REPUBLICAN RIVER NEAR BLOOMINGTON—Sec. 8-1-15 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	241	957	817	230	160	280	660	1560	1380	2790	515	166
2	200	887	804	220	210	280	636	1170	1120	2170	479	134
3	184	845	792	220	260	340	636	971	866	1750	444	115
4	245	810	786	240	280	350	624	817	810	1450	346	105
5	2700	804	780	250	290	410	636	714	726	1220	400	98
6	11200	838	780	260	330	500	666	648	980	1080	355	92
7	12000	894	780	280	310	470	654	618	2120	1020	341	86
8	13000	915	780	300	290	470	672	594	3210	953	318	80
9	16300	1180	780	320	310	530	672	576	1900	882	293	74
10	12900	1200	786	340	340	530	720	564	1290	978	269	72
11	17400	1150	786	360	360	600	708	553	1040	1620	249	78
12	13800	1160	786	380	380	1020	786	547	1640	3430	229	82
13	7780	1090	768	420	460	2020	880	564	3150	3700	214	699
14	5630	1010	750	450	590	2040	824	570	3040	2650	211	408
15	4840	985	732	480	870	1560	810	576	2020	1770	204	229
16	3900	1020	714	490	1180	1280	780	588	1430	1020	241	189
17	2550	1310	702	520	1330	1200	738	630	1150	873	229	131
18	2040	1240	666	520	1420	1100	720	642	1420	814	328	110
19	1610	1230	666	540	1320	1130	696	708	3230	765	336	90
20	1420	1220	654	540	1110	985	660	1280	2400	773	222	82
21	1290	1130	612	530	943	845	660	817	5770	797	190	74
22	1220	1080	594	560	873	1700	684	792	15900	789	197	70
23	1160	1030	606	550	798	1620	654	696	80700	822	152	66
24	1080	992	618	500	750	1380	642	648	21600	773	140	64
25	1030	957	642	510	620	1080	636	618	10000	1410	140	62
26	952	901	666	530	310	992	630	612	7420	1160	140	60
27	977	880	672	590	270	908	624	618	7530	926	140	60
28	922	873	636	680	320	810	618	624	6970	781	137	62
29	901	852	310	630	...	738	624	624	5400	688	166	62
30	1250	838	270	240	...	690	1310	630	3810	615	180	66
31	1080	...	250	150	...	678	...	1520	...	554	162	...
Mean	4575	1009	677	414	596	921	709	745	6667	1323	257	125
Max.	17400	1310	817	680	1420	2040	1310	1560	80700	3700	515	699
Min.	184	804	250	150	160	280	618	547	726	554	137	60
A.F.	281300	60060	41620	25450	33090	56600	42170	45800	396700	81370	15800	7430

Total acre-feet 1087000.

REPUBLICAN RIVER NEAR HARDY—Sec. 6-1S-5 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	622	1440	1020	620	350	420	830	810	790	3030	690	214
2	552	1260	1020	550	320	380	800	1690	1820	2500	665	208
3	381	1170	1020	480	315	380	800	1510	1310	2250	628	197
4	308	1080	1020	450	310	380	800	1280	1170	2050	592	183
5	355	1080	985	420	310	390	790	1080	960	1850	541	172
6	4820	1480	985	390	315	420	780	910	1070	1620	524	154
7	10700	1760	985	385	330	460	770	810	1060	1440	413	149
8	11400	1530	985	385	340	500	800	725	1340	1260	422	137
9	12200	1660	985	395	360	540	830	743	3630	1220	400	118
10	13400	1580	945	405	380	600	2020	725	2440	1120	376	122
11	11800	1860	945	425	410	680	1820	664	1570	1080	300	131
12	13400	1760	945	460	450	760	1110	680	3200	1350	316	120
13	12200	1380	813	500	500	880	960	680	4100	2000	394	118
14	5350	1380	897	540	600	1000	990	664	3100	3270	404	108
15	3810	1860	865	630	800	1300	970	640	3260	2920	341	216
16	3400	1640	835	690	920	1500	1050	656	2300	2100	320	330
17	3150	1200	790	720	1000	1600	1030	689	1820	1580	320	228
18	2600	1240	715	720	1070	1650	970	850	1630	1220	304	180
19	2200	1340	652	720	1050	1460	1010	770	1950	976	308	162
20	2000	1340	701	660	1000	1370	960	770	2300	860	312	140
21	1800	1440	738	600	880	1310	920	743	2730	816	305	133
22	1620	1380	738	500	790	1250	880	1260	5760	845	300	124
23	1480	1340	782	430	710	1170	860	1030	13800	860	266	124
24	1400	1240	790	440	640	1510	870	950	56600	801	270	118
25	1350	1200	790	500	580	1460	870	734	24200	860	324	116
26	1350	1200	820	630	530	1370	850	734	9800	875	310	110
27	1220	1160	812	760	480	1200	790	761	8020	1220	283	102
28	1220	1110	805	900	440	1090	770	980	7120	1080	249	104
29	1220	1070	800	800	...	990	830	1040	5150	890	237	84
30	1220	1070	790	640	...	890	850	810	3810	816	217	85
31	1480	...	700	390	...	860	...	780	...	744	211	...
Mean	4194	1375	864	553	578	960	953	876	5927	1468	372	150
Max.	13400	1860	1020	900	1070	1630	2020	1690	56600	3270	690	330
Min.	308	1070	652	385	310	380	770	640	790	744	211	84
A.F.	257900	81820	53100	33990	32090	59010	56690	53850	352700	90250	22900	8910

Total acre-feet 1103210.

REPORT OF THE STATE ENGINEER

ROCK CREEK AT PARKS—Sec. 21-1-39 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	13	15	6	6	15	13	16	15	13	12	11
2	13	14	15	6	13	15	12	15	14	13	12	11
3	12	15	15	6	21	15	12	14	14	12	11	11
4	14	14	15	6	17	15	12	14	14	12	10	11
5	16	14	15	9	16	15	13	14	14	12	11	10
6	14	16	15	16	15	13	12	14	17	12	11	10
7	15	16	15	19	13	14	14	14	16	12	10	10
8	14	15	15	17	11	14	15	14	15	14	10	10
9	14	15	15	13	12	14	15	14	15	14	10	11
10	15	15	15	13	13	15	16	14	15	13	9	12
11	13	14	15	13	15	15	15	15	14	13	9	14
12	13	14	15	13	15	15	14	16	19	12	9	13
13	13	14	15	13	16	15	13	15	18	12	9	13
14	13	13	15	13	16	15	13	14	16	15	10	12
15	13	14	15	13	16	14	14	14	16	14	10	12
16	13	16	15	13	16	14	14	16	15	14	11	12
17	14	15	14	13	16	14	14	18	15	14	10	12
18	14	15	14	13	16	14	14	17	14	13	9	12
19	15	15	14	13	16	16	14	16	14	12	10	12
20	14	15	14	14	16	16	13	16	14	12	9	12
21	14	15	14	14	16	16	13	15	14	13	9	12
22	13	14	14	14	16	16	13	15	14	18	9	12
23	13	15	14	14	16	15	13	15	14	16	9	12
24	13	15	14	14	15	15	13	15	14	15	10	12
25	12	15	14	14	15	14	14	15	14	14	10	12
26	13	15	14	14	15	14	14	15	14	14	10	12
27	13	15	14	14	15	14	14	15	14	14	10	12
28	13	15	15	14	15	14	14	15	13	14	12	12
29	13	15	12	13	15	14	17	19	13	13	11	12
30	13	15	5	12	..	14	16	17	12	13	11	12
31	14	..	5	8	..	14	..	15	..	13	12	..
Mean	14	15	14	12	15	15	14	15	15	13	10	12
Max.	16	16	15	19	21	16	17	19	19	18	12	14
Min.	12	13	5	6	6	13	12	14	12	12	9	10
A.F.	829	875	855	768	829	899	823	936	871	821	627	696

Total acre-feet 9830.

SAPPA CREEK NEAR BEAVER CITY—Sec. 14-1-23 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	56	45	25	15	28	34	24	23	108	24	3
2	1	58	44	25	15	30	33	19	40	88	24	2
3	0	58	43	25	15	32	36	21	76	82	22	2
4	0	54	42	20	15	30	30	21	56	72	20	2
5	560	54	42	20	15	30	31	20	33	66	18	2
6	952	52	42	20	15	30	31	22	31	62	20	2
7	1200	56	42	20	15	32	28	18	29	56	18	2
8	1270	58	42	20	15	31	28	19	42	54	18	2
9	1340	60	41	20	15	30	34	19	30	49	18	2
10	1720	84	40	25	15	31	31	22	22	110	16	2
11	1700	86	40	25	18	42	23	17	44	476	15	2
12	1560	74	39	25	20	114	24	19	207	295	14	2
13	1340	68	39	25	20	132	25	19	231	108	14	2
14	607	60	39	27	25	108	27	21	187	64	14	3
15	255	62	37	25	25	120	28	21	91	144	14	3
16	194	82	37	20	25	129	24	24	70	82	20	3
17	162	88	36	20	20	99	25	26	88	47	14	2
18	138	84	36	20	15	80	24	22	201	40	13	2
19	126	76	35	20	15	76	25	27	222	39	12	2
20	114	76	34	20	15	68	25	24	147	37	12	2
21	102	72	30	20	15	56	26	27	72	33	12	2
22	94	70	30	20	20	50	26	27	1420	35	11	1
23	86	66	30	20	20	50	24	26	1540	82	11	1
24	80	58	30	20	20	48	24	24	1170	76	11	1
25	76	56	30	15	20	45	25	23	1520	45	11	1
26	74	52	30	15	20	42	23	23	1470	40	28	1
27	70	50	25	15	25	41	23	19	1170	33	48	1
28	68	49	25	19	27	39	23	22	638	31	20	1
29	64	48	25	19	..	36	24	23	276	30	10	1
30	58	46	25	15	..	34	24	23	138	27	5	2
31	58	..	25	15	..	34	..	22	..	26	4	..
Mean	454	64	36	21	18	56	27	22	376	82	16	2
Max.	1720	88	45	27	27	132	36	27	1540	476	48	3
Min.	0	46	25	15	15	28	23	18	23	26	4	1
A.F.	27910	3790	2180	1270	1020	3470	1600	1360	22380	5030	1010	117

Total acre-feet 71137.

BUREAU OF IRRIGATION

545

SAPPA CREEK NEAR STAMFORD—Sec. 23-2-20 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	148	114	60	40	40	73	56	96	580	69	36
2	12	146	110	60	45	35	72	56	74	353	64	30
3	10	136	109	60	45	40	72	55	66	277	60	27
4	13	130	107	60	50	50	65	52	89	236	58	23
5	267	129	105	65	50	50	76	52	112	209	56	21
6	834	129	103	75	50	50	70	52	180	186	54	20
7	1310	128	103	74	45	50	67	50	224	170	52	18
8	1420	122	100	73	45	55	66	51	75	155	52	16
9	1750	127	99	70	45	60	64	51	71	144	51	15
10	2300	129	97	67	45	64	85	50	68	136	49	15
11	3030	134	95	65	50	76	72	50	57	136	45	17
12	4580	167	94	63	64	120	70	52	386	947	42	17
13	3760	147	92	65	66	147	60	50	506	723	41	17
14	3040	141	90	68	61	174	60	49	334	486	39	17
15	2470	133	90	55	62	186	62	59	320	277	38	16
16	1230	138	89	45	72	182	62	58	292	186	37	16
17	783	179	84	40	79	214	65	64	249	209	37	17
18	423	202	63	40	77	207	63	71	387	136	37	16
19	338	192	71	40	79	160	62	215	390	118	34	15
20	288	179	88	40	40	139	62	78	419	117	85	15
21	255	177	76	45	40	125	62	63	669	107	64	14
22	233	161	68	56	40	114	61	61	4500	116	46	13
23	214	156	84	56	50	101	62	60	2950	104	41	13
24	195	149	76	60	45	93	61	61	2620	99	38	12
25	184	141	86	60	40	91	60	60	2310	146	37	11
26	175	133	82	60	40	86	58	58	2290	108	37	10
27	166	129	83	60	40	84	59	58	2220	92	37	10
28	159	123	70	56	40	80	58	58	1860	85	80	10
29	155	121	40	65	..	79	58	58	1510	79	100	10
30	150	118	60	65	..	78	57	58	1020	75	70	9
31	155	..	60	40	..	75	..	58	..	74	48	..
Mean	965	145	87	59	52	100	64	62	878	221	52	16
Max.	4580	202	114	75	79	214	76	215	4500	947	100	36
Min.	10	118	40	40	40	35	57	49	57	74	34	9
A.F.	59340	8620	5330	5600	2870	6160	3820	3820	52250	13620	3170	982

Total acre-feet 163600.

SHEEP CREEK NEAR MORRILL—Sec. 16-23-57 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	AUG.	Sept.
1	116	103	66	66	75	76	71	70	75	79	3	4
2	116	103	64	66	76	76	70	70	78	77	3	3
3	123	101	62	65	76	77	70	70	80	76	3	3
4	124	100	62	67	76	76	71	70	80	75	4	3
5	132	102	65	69	76	76	70	71	80	74	4	2
6	122	101	70	72	76	77	70	72	78	74	4	1
7	128	100	72	74	75	80	70	73	76	71	4	1
8	130	101	80	74	76	79	71	74	72	70	4	1
9	125	101	84	76	76	78	72	75	71	71	3	1
10	122	101	83	76	77	78	75	73	68	76	4	2
11	116	100	84	77	78	78	72	76	66	72	4	4
12	114	98	76	80	79	77	71	86	88	48	4	8
13	111	98	73	85	78	78	72	76	84	11	4	7
14	108	98	75	90	76	78	71	73	76	10	4	4
15	106	100	75	80	78	76	72	72	76	10	3	4
16	104	96	73	79	80	76	72	71	73	10	3	5
17	116	90	70	78	79	76	72	71	70	10	3	4
18	113	89	70	77	78	76	72	71	79	10	3	3
19	110	88	71	76	77	90	72	75	75	10	4	3
20	104	87	73	75	76	84	72	74	70	10	2	4
21	104	83	72	76	77	77	72	73	149	11	2	3
22	104	76	73	77	77	76	72	72	106	11	2	3
23	104	78	73	78	79	76	72	72	94	11	2	4
24	103	77	72	78	77	76	72	73	86	11	2	4
25	101	75	72	76	77	76	72	73	84	11	2	4
26	99	72	72	80	80	76	72	73	81	11	2	4
27	99	68	75	81	76	74	72	74	79	11	2	5
28	100	67	70	80	76	74	72	81	79	11	2	4
29	100	66	69	78	..	74	72	78	131	11	2	39
30	102	66	68	76	..	73	72	78	98	11	3	112
31	101	..	65	75	..	73	..	80	..	9	5	..
Mean	112	90	72	76	77	77	72	74	84	34	3	8
Max.	132	103	84	90	80	90	75	86	149	79	5	112
Min.	99	66	62	65	75	73	70	70	66	9	2	1
A.F.	6860	5330	4420	4680	4280	4730	4260	4540	4970	2110	187	501

Total acre-feet 46870.

REPORT OF THE STATE ENGINEER

SILVERNAIL DRAIN—Sec. 6-19-48 W.
Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	4	5	9	4	9
2	5	5	7	12	10
3	5	5	6	27	10
4	5	10	6	9	11
5	5	18	6	7	10
6	6	14	6	8	9
7	6	13	5	6	10
8	6	14	31	8	16
9	5	15	10	10	14
10	5	25	17	7	15
11	5	10	11	7	14
12	5	25	14	7	15
13	13	28	13	14	10
14	18	6	19	17	14
15	17	4	17	14	16
16	9	5	19	6	16
17	9	4	25	7	20
18	7	15	6	12	23
19	35	17	12	7	22
20	23	17	23	8	25
21	10	41	11	6	21
22	11	38	6	5	21
23	6	21	12	9	24
24	6	17	7	5	20
25	7	21	5	5	23
26	7	21	5	5	23
27	6	17	16	6	23
28	6	20	14	6	19
29	7	21	6	9	23
30	14	34	6	6	23
31	8	..	5	8	..
Mean	9	17	11	9	17
Max.	35	41	31	27	25
Min.	4	4	5	4	9
A.F.	560	1000	700	530	1010

SNAKE RIVER NEAR BURGE—Sec. 20-31-31 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	269	210	221
2	272	210	221
3	246	210	224
4	238	208	224
5	238	210	219
6	232	213	221
7	227	210	224
8	221	205	219
9	224	205	227
10	230	205	241
11	232	210	269
12	232	219	261
13	235	224	241
14	238	221	241
15	230	219	232
16	232	216	219
17	241	221	224
18	230	227	224
19	224	227	227
20	232	224	232
21	238	216	244
22	244	210	238
23	230	216	230
24	227	227	232
25	227	225	241
26	221	225	230
27	219	225	238
28	219	225	238
29	230	227	246
30	224	224	249
31	216	227	..
Mean	233	217	233
Max.	272	227	269
Min.	216	205	219
A.F.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	14320	13370	13880

Total acre-feet 41570.
N.R. No record.

STINKING WATER CREEK NEAR WAUNETA—Sec. 17-6-35 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	14	24	26	15	20	26	28	28	26	40	14	9
2	14	23	26	15	25	31	28	24	25	52	14	9
3	14	25	26	15	25	26	32	22	22	42	14	9
4	59	26	26	20	25	28	34	21	25	27	12	9
5	66	27	27	20	30	28	35	21	89	22	11	9
6	47	35	27	20	30	27	33	20	112	20	11	9
7	46	46	27	22	20	29	33	19	47	18	11	9
8	53	40	27	22	25	32	42	18	30	21	10	9
9	54	38	26	25	25	29	39	19	27	22	10	9
10	104	35	26	25	20	29	50	21	31	27	10	9
11	81	34	26	26	20	33	51	24	28	25	10	14
12	35	37	26	28	25	33	44	24	49	19	9	31
13	29	34	26	30	29	32	38	24	58	17	11	24
14	27	34	26	32	38	31	32	23	44	19	11	20
15	26	35	27	22	44	29	28	22	41	17	11	16
16	25	41	27	30	47	29	27	27	28	25	11	14
17	26	37	24	27	40	30	26	34	23	54	11	13
18	31	35	24	30	34	31	26	32	23	48	11	13
19	30	33	23	26	31	32	25	33	24	22	11	13
20	28	31	26	25	28	36	24	35	24	19	11	13
21	27	31	28	29	30	41	24	30	126	16	11	13
22	25	29	28	24	32	39	25	27	398	24	11	13
23	24	28	26	28	30	38	25	23	204	25	11	13
24	23	28	26	29	27	36	26	25	124	23	11	13
25	23	28	26	32	28	33	26	26	105	21	11	13
26	22	27	26	30	30	31	26	26	63	20	12	13
27	22	27	27	30	29	29	26	23	46	19	11	14
28	23	27	20	29	23	28	28	30	35	19	11	14
29	24	27	15	25	..	29	33	42	32	17	11	14
30	24	27	15	20	..	28	35	35	45	17	11	14
31	24	..	15	15	..	28	..	32	..	17	11	..
Mean	34	32	25	25	29	31	32	26	65	25	11	13
Max.	104	46	28	32	47	41	51	42	398	54	..	31
Min.	..	23	15	15	20	26	24	18	22	..	..	..
A.F.	2120	1880	1530	1520	1610	1910	1880	1610	3880	1540	686	783

Total acre-feet 20950.

STREVER CREEK—Sec. 1-8-20 W.
Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	26	18	93	36	26
2	26	17	87	36	26
3	26	17	87	34	26
4	26	15	54	36	19
5	26	15	54	36	19
6	26	15	53	36	19
7	25	15	43	24	17
8	23	17	43	24	17
9	27	17	35	28	17
10	27	18	35	28	17
11	23	15	38	20	17
12	23	16	77	16	18
13	23	27	77	15	35
14	24	26	82	11	34
15	23	24	77	11	34
16	23	27	74	9	34
17	24	27	77	10	34
18	24	27	77	11	27
19	24	32	138	9	27
20	23	31	138	9	25
21	20	31	138	9	25
22	23	100	138	17	25
23	20	200	138	17	15
24	17	200	150	17	15
25	17	200	150	17	15
26	17	200	143	19	15
27	17	200	52	20	14
28	17	200	51	20	19
29	18	138	52	26	19
30	19	138	38	26	19
31	19	..	38	26	..
Mean	22	68	82	21	22
Max.	27	200	150	36	35
Min.	17	15	35	9	14
A.F.	1380	4010	5010	1300	1330

SPOTTED TAIL CREEK, DRY
Sec. 28-33-56 W.
Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	43	42	46	91	37
2	44	42	45	83	44
3	31	46	43	74	44
4	30	52	44	74	49
5	30	52	46	86	43
6	33	54	42	80	40
7	77	50	46	62	45
8	76	51	53	81	47
9	83	29	42	32	54
10	48	35	42	22	47
11	50	36	43	51	60
12	76	40	49	45	81
13	54	44	45	45	81
14	50	40	45	43	85
15	52	42	49	33	79
16	44	39	53	33	85
17	43	39	50	33	85
18	46	46	60	43	82
19	50	41	62	38	85
20	53	39	70	48	81
21	44	106	69	53	82
22	43	93	71	54	81
23	42	53	77	44	81
24	42	52	78	46	84
25	43	49	78	46	81
26	43	49	72	31	82
27	39	49	76	41	69
28	44	48	78	45	78
29	48	77	62	44	82
30	46	93	72	42	85
31	46	..	74	37	..
Mean	48	51	57	51	69
Max.	83	106	78	91	85
Min.	30	29	42	22	37
A.F.	2960	3030	3530	3130	4080

TUB SPRINGS BELOW ENTERPRISE
CANAL—Sec. 32-23-55 W.

Water Year Ending September 30, 1947

Day	May	June	July	Aug.	Sept.
1	22	47	78	5	3
2	20	51	74	3	4
3	21	71	72	4	3
4	20	66	75	4	3
5	22	70	73	4	3
6	21	78	33	4	3
7	46	56	54	6	2
8	49	55	66	4	3
9	47	58	62	4	15
10	50	55	54	4	21
11	83	66	46	7	46
12	86	82	12	3	43
13	42	63	4	4	42
14	8	58	6	3	43
15	13	62	12	2	41
16	5	48	13	2	26
17	9	47	7	2	21
18	9	73	9	2	23
19	10	54	19	4	22
20	7	56	6	2	12
21	3	161	5	2	19
22	3	122	5	3	19
23	2	73	6	2	5
24	3	63	5	2	17
25	2	58	5	3	15
26	2	58	7	3	21
27	10	57	5	2	30
28	6	99	5	2	37
29	43	131	5	2	34
30	48	105	3	3	59
31	47	...	5	3	..
Mean	7	71	27	3	21
Max.	86	161	78	6	59
Min.	2	47	3	2	2
A.F.	440	4250	1650	200	1260

WINTERS CREEK NEAR SCOTTSBLUFF—Sec. 30-22-54 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	114	69	61	51	47	52	48	41	60	71	64	81
2	110	69	61	51	48	51	48	44	58	69	79	80
3	104	69	61	51	47	52	48	36	65	69	96	82
4	117	69	61	50	46	51	52	31	65	67	85	84
5	114	70	58	51	51	51	48	31	63	65	49	83
6	106	70	59	52	49	51	48	10	69	77	40	99
7	108	70	59	52	47	51	48	9	80	81	52	96
8	104	69	60	52	48	51	48	10	113	79	33	89
9	104	69	58	51	47	51	51	28	90	70	27	79
10	102	68	56	53	47	52	50	9	82	72	31	89
11	100	65	55	53	47	51	49	8	93	67	28	123
12	98	65	54	53	48	51	49	22	110	39	39	126
13	97	64	54	53	48	51	48	19	102	31	54	134
14	90	64	55	53	48	51	48	15	66	18	62	139
15	84	65	53	53	49	50	51	20	65	13	69	158
16	81	64	51	53	51	51	53	15	78	13	65	151
17	84	63	49	53	52	51	53	24	113	13	63	156
18	81	63	49	53	52	51	52	42	118	16	57	156
19	81	64	48	53	53	51	53	28	104	20	51	130
20	77	63	48	51	52	51	51	16	107	45	48	112
21	77	63	49	51	51	49	50	49	263	36	58	106
22	76	61	49	51	52	48	51	54	112	29	60	80
23	76	61	51	51	53	47	47	27	81	25	58	83
24	76	61	50	50	53	47	38	26	83	36	81	72
25	74	61	50	50	53	46	37	26	83	32	76	76
26	73	61	50	48	53	46	36	20	81	44	80	84
27	73	61	48	48	52	46	42	75	103	61	81	113
28	73	61	51	47	52	46	42	66	128	47	74	110
29	72	61	53	47	..	45	40	66	128	47	61	110
30	71	60	56	47	..	46	37	61	129	38	84	127
31	69	..	51	47	..	47	..	61	..	42	85	..
Mean	89	65	54	51	50	50	47	31	95	46	60	107
Max.	117	70	61	53	53	52	53	75	263	81	96	158
Min.	69	60	48	47	46	45	36	8	58	13	27	72
A.F.	5490	3850	3310	3130	2770	3040	2810	1900	5630	2840	3710	6360

Total acre-feet 44840.

BUREAU OF IRRIGATION

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WOOD RIVER NEAR RIVERDALE—Sec. 31-10-16 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	4	4	3	3	4	5	4	4	15	5	1
2	3	4	4	3	4	4	5	4	4	10	5	1
3	3	4	4	3	4	4	5	4	4	9	4	1
4	13	4	4	3	4	4	5	4	5	9	3	1
5	273	4	4	3	3	4	8	4	6	11	3	1
6	887	4	4	3	3	4	8	4	6	16	4	1
7	1820	4	4	4	4	4	7	4	7	10	3	1
8	756	4	4	4	4	6	7	4	7	8	3	1
9	744	4	4	4	3	6	7	4	7	7	3	1
10	373	4	4	4	3	7	7	4	7	7	3	1
11	63	4	4	4	3	16	7	4	7	8	3	1
12	24	4	4	4	3	14	7	4	13	16	3	1
13	15	4	4	4	3	14	7	4	18	14	3	1
14	9	4	4	4	10	14	7	4	11	99	3	1
15	7	7	4	4	30	14	7	4	9	37	3	1
16	5	19	4	4	40	14	6	4	8	12	3	1
17	4	14	3	4	50	14	5	3	335	2	2	1
18	4	10	3	4	25	14	5	3	43	258	1	1
19	4	8	3	4	15	14	5	4	191	130	2	1
20	4	8	3	4	8	14	5	4	154	44	2	1
21	4	7	3	3	7	14	5	4	134	29	2	1
22	4	7	3	3	6	13	4	4	13500	17	3	1
23	4	7	3	3	5	13	5	4	4150	12	3	1
24	4	7	3	3	6	11	5	3	1990	8	3	1
25	4	6	3	3	5	9	5	3	524	7	3	1
26	4	4	3	3	5	7	5	3	63	7	3	1
27	4	4	3	3	4	6	5	3	40	7	3	1
28	4	4	3	3	3	6	5	4	28	6	3	1
29	4	4	3	3	..	5	5	4	19	6	3	1
30	4	4	3	3	..	5	5	4	24	6	3	1
31	4	..	3	3	9	9	..	4	..	6	3	1
Mean	163	6	4	3	3	9	6	4	700	38	..	1
Max.	1820	19	4	4	50	16	8	4	13500	335	5	..
Min.	3	4	3	3	3	4	5	3	4	6	2	..
AF.	10040	349	233	207	524	556	345	233	41630	2310	180	77

Total acre-feet 56680.

REPORT OF THE STATE ENGINEER

ANTELOPE CREEK NEAR GORDON—Sec. 21-32-40 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1	3	4	1	1	0	0
2	0	0	0	0	0	1	3	4	1	1	0	0
3	0	0	0	0	0	1	3	4	1	1	0	0
4	0	0	0	0	0	1	3	4	0	0	0	0
5	0	0	0	0	0	1	3	3	0	0	0	0
6	0	0	0	0	0	1	3	2	0	0	0	0
7	0	0	0	0	0	1	4	2	0	0	0	0
8	0	0	0	0	0	1	3	2	0	0	0	0
9	0	0	0	0	0	1	3	4	0	0	0	0
10	0	0	0	0	0	1	2	5	0	0	0	0
11	0	0	0	0	0	1	3	5	0	0	0	0
12	0	0	0	0	0	1	3	6	0	0	0	0
13	0	0	0	0	0	10	5	5	0	0	0	0
14	0	0	0	0	10	14	2	4	0	0	0	0
15	0	0	0	0	21	189	2	4	0	0	0	0
16	0	0	0	0	6	109	2	3	0	0	0	0
17	0	0	0	0	5	28	2	2	1	0	0	0
18	0	0	0	0	5	15	2	1	1	1	0	0
19	0	0	0	0	1	12	2	0	1	0	0	0
20	0	0	0	0	1	10	2	0	1	0	0	0
21	0	0	0	0	1	9	2	0	2	0	0	0
22	0	0	0	0	1	9	2	0	3	1	0	0
23	0	0	0	0	1	7	2	0	4	1	0	1
24	0	0	0	0	1	6	3	2	7	1	0	0
25	0	0	0	0	1	7	8	1	7	0	0	0
26	0	0	0	0	1	5	9	0	4	0	0	0
27	0	0	0	0	1	2	8	0	3	0	0	0
28	0	0	0	0	1	4	7	1	3	0	0	0
29	0	0	0	0	1	5	6	1	2	0	0	0
30	0	0	0	0	0	4	4	1	2	0	0	0
31	0	0	0	0	0	4	0	1	0	0	0	0
Mean	0	0	0	0	2	15	4	2	2	0	0	0
Max.	0	0	0	0	21	189	9	6	7	1	0	1
Min.	0	0	0	0	0	0	2	0	0	0	0	0
A.F.	0	0	0	5	119	897	217	143	97	25	10	13

Total acre-feet 1530.

ARIKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	5	2	1	1	7	16	20	33	23	1	1
2	9	6	2	1	1	6	17	48	23	15	1	1
3	7	7	2	1	1	8	16	69	16	11	2	0
4	6	8	2	1	2	9	13	39	19	12	2	1
5	3	8	2	3	2	8	14	23	23	10	1	1
6	3	6	2	5	3	8	14	16	25	7	1	0
7	3	4	2	6	4	10	14	13	24	6	1	1
8	3	5	2	9	8	14	12	10	16	6	2	1
9	3	3	2	8	11	20	12	6	15	28	11	1
10	3	2	2	7	12	16	14	5	13	14	13	0
11	2	2	1	6	10	13	12	5	7	8	3	0
12	3	2	2	5	4	15	12	8	7	6	2	1
13	3	2	2	4	3	32	19	12	6	7	2	0
14	3	2	2	4	3	58	16	9	74	9	2	0
15	3	2	2	4	5	170	12	7	318	18	36	0
16	3	2	2	4	7	106	9	9	2710	6	18	0
17	3	2	2	3	13	40	7	9	190	8	7	2
18	3	2	2	4	25	27	7	6	113	7	5	2
19	3	3	2	5	45	29	5	4	122	18	4	2
20	3	2	3	5	40	26	3	4	1250	8	3	2
21	2	2	3	6	32	20	3	2	1080	10	3	2
22	2	2	3	6	42	20	8	4	346	11	3	2
23	2	2	3	6	62	22	7	364	166	9	3	2
24	3	2	4	5	34	19	6	31	179	7	4	2
25	4	2	6	4	40	18	5	13	242	5	4	2
26	6	2	10	4	45	22	5	10	197	5	5	3
27	6	2	14	3	45	36	4	10	921	3	6	4
28	4	2	16	2	33	44	3	42	262	2	6	7
29	3	2	19	1	20	35	3	297	50	1	3	8
30	4	2	10	1	0	26	2	78	38	1	2	8
31	5	0	4	1	0	18	0	42	0	1	1	0
Mean	4	3	4	4	19	29	10	39	283	9	5	2
Max.	11	8	19	9	62	170	19	364	2710	28	36	8
Min.	2	2	1	1	1	6	2	2	6	1	1	0
A.F.	239	189	260	250	1100	1790	577	2410	16830	556	310	110

Total acre-feet 24620.

BUREAU OF IRRIGATION

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Sec. 4-20-52 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	78	41	40	33	33	30	23	26	12	15	32	29
2	66	42	40	36	33	30	24	26	12	16	32	30
3	59	42	38	39	34	28	26	20	20	16	44	28
4	58	42	38	36	34	29	26	22	14	20	43	30
5	58	42	38	36	34	29	26	25	15	19	45	28
6	55	42	38	36	33	29	29	24	11	19	52	29
7	55	42	37	36	32	28	26	22	11	19	50	37
8	56	41	37	36	32	29	26	28	10	10	46	38
9	55	41	37	34	32	28	25	30	9	6	49	30
10	58	41	36	34	30	28	24	31	10	6	47	32
11	56	41	36	34	30	28	24	35	11	4	43	35
12	54	41	36	32	30	30	24	34	13	6	41	38
13	48	41	36	32	30	29	24	22	14	6	39	40
14	48	41	37	32	32	30	24	11	13	53	38	36
15	50	39	37	32	32	30	24	12	12	74	40	32
16	50	39	37	32	31	29	25	26	17	21	41	30
17	48	39	37	32	31	29	24	38	77	15	41	28
18	46	39	36	32	30	30	24	18	28	14	38	29
19	45	38	36	32	30	29	24	13	15	13	38	30
20	44	38	36	32	29	28	24	13	19	15	39	36
21	44	38	36	32	30	28	24	12	17	20	39	34
22	44	36	36	32	30	28	24	32	35	16	39	31
23	50	36	36	32	30	28	24	24	42	15	38	46
24	47	36	36	32	29	28	30	34	26	12	30	41
25	47	41	36	32	30	28	31	31	22	20	30	38
26	47	44	36	31	30	29	27	32	20	26	30	38
27	45	44	36	31	30	28	26	32	20	30	29	39
28	44	42	36	32	30	26	25	26	18	32	29	36
29	42	42	35	32	30	24	26	19	15	32	28	36
30	38	40	35	32	..	25	25	13	15	34	28	41
31	38	..	34	32	..	26	..	12	..	32	28	..
Mean	51	40	37	33	31	28	25	24	19	20	38	34
Max.	78	44	40	39	34	30	31	38	77	74	52	46
Min.	38	36	34	31	29	24	23	11	9	4	28	28
A.F.	3120	2400	2250	2040	1790	1740	1500	1470	1140	1260	2350	2030

Total acre-feet 23090.

BEAR CREEK NEAR ELI—Sec. 25-34-36 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	10	15	23	41	5	15	5	2
2	0	0	0	0	10	15	22	38	4	13	6	2
3	0	0	0	0	10	15	21	36	5	11	6	2
4	0	0	0	0	10	15	21	29	5	10	5	1
5	0	0	0	0	10	15	20	25	9	8	5	1
6	0	0	0	0	10	15	20	23	7	7	4	1
7	0	0	0	0	10	15	20	20	6	6	5	1
8	0	0	0	0	10	15	20	19	6	5	5	1
9	0	0	0	0	10	15	20	26	4	5	4	1
10	0	0	0	0	10	15	20	26	4	4	4	1
11	0	0	0	0	10	15	19	34	4	4	4	1
12	0	0	0	0	10	70	19	40	6	6	4	2
13	0	0	0	0	10	40	19	42	4	9	4	2
14	0	0	0	0	10	20	20	41	4	8	4	1
15	0	0	0	0	10	25	18	34	10	11	4	1
16	0	0	0	0	10	24	18	26	11	13	3	1
17	0	0	0	0	10	25	16	21	13	13	3	1
18	0	0	0	0	10	32	14	16	15	14	3	1
19	0	0	0	0	10	74	14	13	14	14	3	1
20	0	0	0	0	10	38	14	12	19	14	3	1
21	0	0	0	9	10	42	14	11	22	12	3	2
22	0	0	0	9	10	40	14	9	28	10	2	2
23	0	0	0	9	10	32	15	10	38	7	2	2
24	0	0	0	9	10	29	15	10	36	5	2	2
25	0	0	0	9	10	27	26	9	42	5	2	2
26	0	0	0	9	10	24	32	8	37	4	2	2
27	0	0	0	9	10	14	42	8	36	4	2	2
28	0	0	0	9	10	28	52	8	32	5	2	2
29	0	0	0	9	10	27	80	9	27	5	2	2
30	0	0	0	9	..	24	48	6	20	6	2	2
31	0	..	0	9	..	23	..	5	..	5	2	..
Mean	0	0	0	9	10	26	24	21	16	8	3	2
Max.	0	0	0	..	..	74	80	42	42	15	6	2
Min.	0	0	0	..	..	14	5	4	4	4	2	1
A.F.	0	0	0	196	575	1630	1420	1290	937	513	208	94

Total acre-feet 6860.

REPORT OF THE STATE ENGINEER

 BEAVER CREEK NEAR BEAVER CITY—Sec. 14-17-4 W.
 Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		3	2	3	3	4	6	8	42	260	30	17
2		3	3	3	3	4	6	8	5	92	185	25
3		3	4	4	4	4	5	7	7	42	211	27
4		2	3	8	9	4	4	6	8	62	232	26
5		2	2	4	15	4	4	7	7	34	134	21
6		2	2	3	12	4	3	7	6	33	88	19
7		2	2	4	9	4	3	7	6	23	101	18
8		2	2	4	8	5	3	7	5	19	101	18
9		2	2	4	7	5	3	7	5	34	131	31
10		2	3	3	6	5	3	8	4	16	155	27
11		2	3	3	7	5	3	7	8	10	110	21
12		2	3	3	8	5	3	8	15	8	99	19
13		2	3	3	7	5	4	9	13	6	105	21
14		2	3	3	6	6	7	8	12	6	82	39
15		2	3	3	4	8	11	8	10	7	30	86
16		2	3	3	3	10	17	8	6	4	59	40
17		2	3	3	3	12	21	7	4	4	47	40
18		2	4	4	3	14	22	7	6	4	140	68
19		2	4	4	3	14	23	7	5	3	76	46
20		2	4	4	3	14	23	7	4	6	40	33
21		2	4	4	3	14	22	7	2	92	32	26
22		2	4	4	3	13	19	7	2	238	29	34
23		2	3	4	3	12	17	7	1	864	50	27
24		2	3	4	3	11	14	8	2	586	125	22
25		2	3	4	3	10	13	8	3	348	78	17
26		2	4	3	3	10	12	7	3	455	51	16
27		3	3	3	3	9	11	7	3	456	131	17
28		3	3	3	3	8	10	7	24	710	53	14
29		3	3	3	4	7	9	6	21	586	54	110
30		3	3	3	4	.	8	6	19	420	48	66
31		2	3	3	4	8	10	7	26	.	35	25
Mean		3	3	4	5	8	10	9	8	174	101	33
Max.		3	4	8	15	14	23	9	26	864	260	110
Min.		2	2	3	3	4	3	6	1	3	29	14
A.F.	142	185	219	315	456	630	436	493	10340	6190	2040	375

Total acre-feet 21820.

 BEAVER CREEK AT LORETTO—Sec. 26-21-7 W.
 Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37	51	53	50	40	118	66	51	39	48	50	31
2	38	47	52	60	40	93	64	50	38	40	122	31
3	37	46	52	65	35	77	64	50	36	37	93	32
4	37	50	43	67	35	69	62	48	35	36	65	32
5	37	60	42	68	35	68	61	50	34	36	59	31
6	36	53	60	66	30	66	61	56	34	34	58	32
7	34	50	62	68	30	64	63	61	34	31	82	34
8	35	50	54	101	30	62	64	46	33	32	67	37
9	36	49	55	142	25	60	61	50	32	70	59	38
10	37	50	55	75	30	55	60	52	32	42	56	37
11	37	49	55	70	35	60	58	52	31	39	208	36
12	38	48	50	68	25	72	58	51	39	38	90	36
13	38	48	50	60	35	93	57	50	54	37	74	35
14	39	50	50	49	55	293	56	48	45	36	82	35
15	38	53	60	40	88	276	55	45	42	44	334	34
16	39	55	50	35	134	144	54	43	42	46	143	32
17	39	54	50	30	398	101	52	42	44	81	82	32
18	38	54	50	35	327	90	52	41	49	55	68	32
19	38	56	55	30	211	92	51	40	46	55	62	32
20	38	60	55	30	120	92	50	38	51	58	55	33
21	38	66	60	30	84	90	50	38	76	50	49	36
22	38	63	60	35	80	84	51	40	240	45	47	38
23	39	58	60	30	74	79	65	182	99	43	44	37
24	42	56	60	35	72	75	66	60	71	43	41	40
25	41	59	59	40	78	74	64	45	62	42	39	41
26	41	58	61	35	113	73	65	42	57	42	38	39
27	41	56	63	40	547	69	63	40	64	41	36	38
28	41	56	64	40	612	68	56	38	65	45	27	37
29	41	55	62	40	201	68	53	37	57	409	35	37
30	48	54	57	40	...	68	52	39	50	160	33	38
31	64	45	40	...	...	67	...	40	...	71	32	...
Mean	39	54	55	52	125	92	58	50	54	61	76	35
Max.	64	66	64	142	612	293	66	182	240	409	334	41
Min.	34	46	42	30	25	55	50	37	31	31	32	31
A.F.	2420	3200	3380	3200	7180	5670	3480	3100	3240	3740	4660	2090

Total acre-feet 45360.

BUREAU OF IRRIGATION

553

BEAVER CREEK AT GENOA—Sec. 14-17-4 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56	76	82	40	55	898	107	85	66	90	278	60
2	56	89	80	75	50	359	104	85	68	84	156	59
3	57	77	79	70	45	240	101	87	66	79	219	59
4	59	60	80	70	50	208	98	84	62	77	376	58
5	57	57	70	85	50	162	100	84	61	72	154	57
6	55	84	80	85	50	161	97	112	59	73	105	56
7	55	79	65	85	55	137	98	101	58	68	100	59
8	55	72	70	100	55	131	98	89	57	63	150	59
9	54	73	65	140	50	115	97	96	57	144	126	61
10	53	78	85	195	55	110	98	87	56	159	98	61
11	53	83	75	145	60	120	96	84	53	143	132	61
12	58	71	80	115	65	145	94	83	66	79	266	60
13	60	68	80	70	70	155	93	83	60	72	486	59
14	58	71	75	80	70	351	92	83	61	69	271	57
15	58	83	75	80	75	1330	90	79	77	65	606	54
16	57	83	70	70	85	1610	89	74	70	62	349	54
17	57	77	75	60	400	546	87	71	70	78	377	53
18	58	79	75	80	800	304	85	68	68	121	200	53
19	59	80	75	70	1100	247	83	65	65	136	136	52
20	58	82	75	70	842	188	83	64	66	84	111	53
21	57	87	75	70	338	164	82	62	62	79	100	54
22	56	94	75	60	162	161	82	62	62	592	72	58
23	59	97	75	60	134	153	80	74	416	66	84	64
24	60	74	75	60	143	146	85	118	305	59	80	63
25	60	84	75	60	143	136	103	239	140	56	77	66
26	63	84	75	60	198	131	111	108	125	54	75	68
27	64	82	75	60	1450	125	98	80	808	51	70	68
28	64	97	75	60	3100	121	101	72	323	49	66	64
29	64	85	75	60	1610	111	93	69	151	1120	61	62
30	66	82	70	60	....	115	88	69	103	1150	62	60
31	66	..	35	55	..	112	..	68	..	752	61	..
Mean	58	80	74	79	392	290	94	86	144	172	178	59
Max.	66	97	85	195	3100	1610	111	239	808	1150	606	68
Min.	53	57	35	40	45	110	80	62	53	49	61	52
A.F.	3590	4740	4540	4860	22520	17840	5580	5320	8550	10560	10950	3510

Total acre-feet 102560.

BIRDWOOD CREEK NEAR HERSHEY—Sec. 2-14-33 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	134	143	156	173	150	176	150	160	162	147	122	104
2	137	146	162	175	150	176	143	160	160	129	274	116
3	137	162	156	176	150	186	156	156	138	119	198	125
4	140	172	176	169	150	182	153	160	147	118	188	120
5	140	169	176	169	150	182	156	124	136	104	188	132
6	137	169	146	162	150	169	153	124	136	102	181	201
7	132	153	146	176	150	159	156	141	125	103	174	160
8	132	146	150	166	150	156	140	151	130	147	164	158
9	134	150	166	159	150	166	156	151	127	145	162	143
10	132	158	166	159	150	160	169	134	130	129	141	138
11	132	166	162	169	150	165	172	134	145	120	120	129
12	126	169	172	153	150	170	159	134	158	99	124	124
13	120	162	176	143	150	175	162	138	141	118	132	119
14	129	162	166	153	150	190	159	138	145	110	124	118
15	137	153	176	146	150	215	153	132	174	136	130	118
16	132	126	169	134	150	193	153	132	162	129	124	118
17	134	108	169	146	193	182	153	130	162	129	118	124
18	132	140	169	162	196	186	156	125	154	127	118	122
19	134	162	176	156	189	200	140	113	134	143	119	122
20	129	186	166	162	150	196	134	103	164	125	118	122
21	132	129	189	143	162	172	143	97	183	125	113	127
22	146	146	166	143	176	179	156	98	174	109	106	149
23	169	166	169	129	179	179	162	164	171	94	98	149
24	169	162	166	162	172	176	156	100	164	93	99	130
25	162	169	172	153	159	186	153	99	166	98	104	129
26	176	162	179	126	186	162	150	99	169	110	134	141
27	162	159	172	130	193	176	143	99	181	110	143	130
28	146	156	179	130	162	146	159	99	158	134	141	130
29	143	156	172	130	169	166	162	103	145	209	118	127
30	143	153	176	130	..	172	169	196	145	134	118	122
31	150	..	172	130	..	146	..	164	..	127	108	..
Mean	141	155	168	152	161	176	154	131	153	123	139	131
Max.	182	186	179	176	196	215	172	196	183	209	274	201
Min.	120	108	146	126	150	146	134	97	125	93	98	104
A.F.	8680	9240	10300	9350	9250	10800	9180	8050	9100	7580	8530	7790

Total acre-feet 107800.

REPORT OF THE STATE ENGINEER

BLACKWOOD CREEK NEAR CULBERTSON—Sec. 10-3-31 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	3	0	0	0	0	0	1	14	17	3	3
2	2	2	0	0	0	0	0	0	13	16	3	4
3	2	1	0	0	0	0	0	1	9	16	2	2
4	2	1	0	0	0	0	0	0	10	15	2	1
5	2	1	0	0	0	0	0	1	10	15	3	0
6	2	0	0	0	0	0	0	2	10	12	2	0
7	2	0	0	0	0	0	0	2	9	6	2	2
8	3	0	0	0	0	0	0	0	9	9	1	7
9	2	1	0	0	0	0	0	1	10	9	0	7
10	2	0	0	0	0	0	0	1	9	49	1	5
11	3	0	0	0	0	0	0	1	8	6	5	6
12	4	0	0	0	0	0	0	1	7	2	4	6
13	3	0	0	0	0	0	0	0	7	3	63	6
14	3	0	0	0	0	0	0	0	7	4	6	3
15	2	0	0	0	0	0	0	2	12	182	7	3
16	1	0	0	0	0	210	0	5	14	26	7	3
17	1	0	0	0	1	7	0	3	12	7	8	2
18	2	0	0	0	1	1	0	1	8	82	7	2
19	2	1	0	0	1	0	0	1	9	10	5	3
20	2	1	0	0	0	0	0	1	15	5	4	1
21	1	1	0	0	0	0	0	1	38	2	4	1
22	1	1	0	0	0	0	4	2	24	1	3	0
23	1	0	0	0	0	0	4	2	29	1	4	1
24	1	1	0	0	0	0	3	2	22	1	3	0
25	2	0	1	0	0	0	4	3	16	0	0	0
26	1	0	1	0	0	0	5	4	34	1	2	0
27	2	0	0	0	0	0	3	4	175	1	7	0
28	2	0	0	0	0	0	0	4	235	2	17	0
29	2	0	0	0	0	0	0	6	25	2	7	0
30	1	0	0	0	0	0	1	39	21	2	3	1
31	2	0	0	0	0	0	0	12	3	3	3	1
Mean	2	1	0	0	0	9	1	3	27	16	6	2
Max.	4	3	1	0	1	210	5	39	235	182	63	7
Min.	1	0	0	0	0	0	0	0	7	0	0	0
A.F.	115	39	19	19	15	565	58	208	1620	994	372	140

Total acre-feet 4160.

BLUE CREEK NEAR LEWELLEN—Sec. 30-16-42 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	81	108	100	83	109	92	67	3	44	15	7
2	14	83	106	110	80	110	95	84	2	37	42	10
3	12	85	103	105	78	110	94	50	4	34	24	2
4	11	88	103	105	79	108	95	45	17	32	24	3
5	11	84	100	101	80	106	97	38	15	27	24	2
6	11	88	98	102	80	104	101	40	12	21	29	1
7	10	87	101	103	80	102	96	37	9	25	33	1
8	14	93	96	105	80	105	91	21	4	30	35	2
9	15	98	96	104	80	103	97	16	2	30	21	2
10	15	96	88	102	78	94	101	22	2	75	15	2
11	20	93	95	102	75	98	100	17	3	68	13	3
12	15	93	108	96	75	108	102	12	6	59	13	4
13	12	93	115	90	78	107	103	8	7	55	10	6
14	10	97	109	98	80	117	103	1	12	56	8	6
15	10	96	112	101	100	137	103	1	67	59	12	5
16	27	95	108	93	110	127	102	0	68	55	5	5
17	29	101	107	92	115	122	103	1	55	48	2	3
18	31	103	110	92	116	122	104	0	54	54	3	12
19	33	105	115	95	110	120	102	0	32	53	18	5
20	30	107	112	100	104	117	100	0	31	50	10	4
21	30	96	109	105	104	120	101	1	42	48	12	1
22	35	98	109	102	108	116	102	3	50	32	8	1
23	41	102	107	101	108	115	101	2	60	29	4	83
24	47	113	108	98	103	116	106	2	71	29	1	86
25	53	115	108	90	107	113	116	2	60	24	1	54
26	59	114	109	80	112	108	104	2	51	24	1	51
27	65	109	109	78	114	102	92	2	56	18	0	50
28	71	106	109	75	108	107	84	3	77	48	0	41
29	77	105	110	80	103	108	81	7	60	77	2	34
30	83	104	107	82	...	107	74	10	54	25	4	39
31	89	...	97	85	...	98	...	8	...	17	5	...
Mean	32	98	106	96	94	111	98	16	33	44	13	18
Max.	89	115	115	110	116	137	116	84	77	80	42	86
Min.	10	81	88	75	75	94	74	0	2	17	0	1
A.F.	1980	5810	6490	5890	5420	6820	5840	993	1960	2740	780	1040

Total acre-feet 45670.

BUREAU OF IRRIGATION

555

BLUE RIVER, BIG, NEAR CRETE—Sec. 3-7-4 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7430	.....	.....	.....	2300	1310	.....
2	7220	.....	.....	.....	2790	1280	.....
3	6760	.....	.....	.....	2270	1420	.....
4	5000	.....	.....	.....	620	1910	.....
5	3270	.....	.....	.....	.....	2040	.....
6	1860	.....	.....	.....	.....	1250	.....
7	1060	.....	.....	.....	.....	721	.....
8	835	.....	.....	.....	.....	.....	.....
9	875	.....	.....	.....	.....	.....	.....
10	745	.....	.....	.....	1420	.....	.....
11	700	.....	.....	.....	1720	.....	.....
12	712	.....	.....	.....	1170	.....	.....
13
14
15	1220	.....
16	1450	.....
17	1060	.....	.....	.....	.....	1460	.....
18	1670	2760	.....	.....	.....	.....	1130	.....
19	2690	8510	.....	.....	.....	.....	877	.....
20	3730	15000	.....	.....	.....	.....	.....	.....
21	3290	14400	.....	.....	.....	.....	.....	.....
22	2640	10500	.....	.....	.....	.....	.....	.....
23	2010	6900	.....	.....	.....	.....	.....	.....
24	1350	4270	.....	.....	.....	.....	.....	.....
25	760	1740	.....	.....	.....	.....	.....	.....
26	947	1090	.....	.....	.....	.....	.....	.....
27	3610	662	.....	.....	898	.....	.....	.....
28	5970	.....	.....	.....	1380	.....	.....	.....
29	6960	.....	.....	.....	1170	.....	.....	.....
30	1750	790	.....	.....
31	1360	.....	.....
Mean
Max.	6960	15000	.....	.....	1750	2790	2040	.....
Min.
A.F.

BLUE RIVER, BIG, AT BARNSTON—Sec. 13-1-7 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	97	132	126	45	215	10900	938	320	165	2160	1330	194
2	110	34	108	3	205	7640	818	246	153	3160	2040	250
3	149	83	94	88	179	6880	746	287	194	2720	10300	542
4	160	180	57	103	168	6370	673	249	162	4180	2630	202
5	62	135	163	143	168	5620	596	256	204	2180	2650	201
6	180	152	221	159	185	4530	539	238	158	949	2360	217
7	150	178	121	139	193	2450	533	242	170	705	1800	419
8	115	134	173	121	206	1540	568	227	165	512	1230	3830
9	119	86	227	167	191	1210	564	214	172	498	1100	3400
10	159	104	193	157	168	809	472	276	103	476	952	1760
11	186	74	121	297	143	695	457	272	162	1010	757	764
12	68	94	23	457	192	705	418	237	147	2000	597	509
13	146	99	81	491	186	712	474	243	136	1780	788	378
14	94	100	108	453	199	704	430	270	151	1080	789	300
15	132	122	157	459	226	759	421	235	150	916	973	213
16	129	149	110	528	242	1900	368	226	139	890	1150	205
17	178	189	113	370	726	5070	400	262	147	926	2260	182
18	238	165	165	254	2470	6580	272	264	326	746	1660	208
19	115	183	157	327	3090	11900	370	248	294	713	1320	180
20	193	251	112	290	3160	8940	285	217	363	505	1070	197
21	175	136	106	325	2980	11900	307	220	311	350	839	172
22	118	121	183	320	3350	16400	318	216	377	344	639	175
23	119	52	147	266	3180	16200	329	199	1370	350	502	168
24	99	49	113	275	2630	12000	336	215	1640	271	422	172
25	167	41	50	241	1980	6830	402	229	1030	301	348	171
26	116	101	169	197	1230	3560	310	266	802	309	324	156
27	195	122	195	264	8860	2050	328	223	725	346	287	502
28	119	84	134	206	14200	1520	270	222	871	328	130	590
29	125	163	137	217	14300	1300	320	151	2120	429	188	360
30	104	113	171	221	.....	1210	300	145	2060	294	259	310
31	143	.....	110	224	.....	1130	.....	151	.....	557	227	.....
Mean	137	121	134	252	2250	5160	452	234	499	1030	1350	564
Max.	238	251	227	528	14300	16400	938	320	2120	4180	10300	3830
Min.	62	34	23	3	143	695	270	145	103	271	130	158
A.F.	8410	7190	8220	15480	129400	317400	26900	14410	29690	63440	83150	33580

Total acre-feet 737270.

REPORT OF THE STATE ENGINEER

BLUE RIVER, LITTLE, NEAR ENDICOTT—Sec. 6-1-3 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	94	113	129	80	160	2470	389	178	167	414	151	96
2	81	115	130	70	160	1760	362	184	198	302	181	94
3	94	120	134	100	160	832	336	180	229	244	899	91
4	94	120	130	130	150	542	316	188	188	204	634	90
5	94	118	140	140	150	410	309	180	169	184	559	86
6	92	115	149	170	160	380	300	180	158	167	384	86
7	89	125	141	170	160	360	290	175	149	158	334	115
8	87	118	130	140	150	290	276	171	148	144	269	793
9	86	127	120	110	140	270	269	171	148	148	215	472
10	86	117	100	130	150	240	267	167	213	157	194	253
11	87	118	90	182	140	220	260	166	244	679	186	186
12	88	120	100	240	150	220	267	166	188	365	616	153
13	87	118	130	240	180	200	260	164	166	231	965	136
14	88	127	110	150	170	260	253	157	151	213	1190	125
15	87	134	120	120	190	518	244	159	151	190	1250	118
16	91	134	130	170	320	1420	235	160	146	167	1310	110
17	94	132	110	140	900	3310	229	161	144	164	495	105
18	94	132	117	140	1500	4580	222	162	167	162	378	104
19	94	129	115	130	1400	6200	213	162	141	479	274	99
20	96	127	118	150	1110	6860	209	158	142	928	224	96
21	97	132	120	160	800	7140	204	157	200	918	200	97
22	94	136	122	150	400	6320	213	155	256	467	180	99
23	108	129	122	140	300	2110	204	527	416	300	164	96
24	129	129	120	110	250	1180	202	235	556	240	151	105
25	122	130	127	130	267	905	211	406	384	200	148	1030
26	115	134	132	130	272	747	192	397	334	176	129	244
27	113	136	134	140	3010	643	185	249	278	162	120	148
28	117	129	134	140	9910	565	180	196	487	149	108	127
29	117	129	134	140	6300	558	178	182	622	148	107	117
30	117	129	120	150	....	498	178	196	455	148	100	108
31	115	70	150	....	....	433	....	180	....	142	99	....
Mean	99	126	122	143	1004	1691	248	202	246	282	394	186
Max.	129	136	149	240	9910	7140	389	527	622	928	1310	1030
Min.	86	113	70	70	140	200	178	155	141	142	99	86
A.F.	6060	7480	7490	8810	57740	104000	14780	12430	14630	17360	24230	11070

Total acre-feet 286080.

BUFFALO CREEK NEAR HAIGLER—Sec. 20-1-40 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	9	9	10	12	6	10	16	9	13	10	9
2	7	10	9	11	12	9	10	15	8	12	10	17
3	7	10	9	11	12	7	10	14	8	10	12	10
4	7	10	9	12	12	11	10	12	8	10	12	10
5	7	9	9	9	11	12	10	11	8	10	12	10
6	7	9	10	9	11	11	10	10	8	10	12	10
7	7	10	10	9	12	11	9	10	8	10	12	10
8	7	11	11	9	12	12	9	9	8	12	12	10
9	7	10	9	9	12	8	9	9	8	13	12	10
10	7	11	10	9	12	13	10	9	8	12	10	10
11	8	11	10	9	10	13	9	9	8	12	10	10
12	8	11	10	8	13	11	11	10	8	12	10	10
13	8	10	10	11	12	13	9	10	8	12	10	10
14	8	10	10	11	12	14	10	9	13	14	10	9
15	9	10	10	8	13	14	9	9	16	16	10	9
16	7	10	11	11	13	12	9	9	11	11	10	9
17	6	10	12	11	14	11	9	8	8	11	10	9
18	7	10	10	11	13	11	9	8	8	11	10	9
19	8	11	10	10	8	10	8	8	9	11	9	9
20	9	11	10	9	8	10	9	8	18	10	9	9
21	9	10	10	10	8	8	9	8	16	10	9	9
22	9	10	10	8	8	10	10	8	13	10	9	9
23	9	10	10	10	8	9	9	11	8	10	9	9
24	10	10	10	8	8	9	9	10	7	10	9	9
25	11	9	10	8	8	8	9	9	6	10	9	9
26	10	9	10	10	7	8	9	8	6	10	9	10
27	10	9	10	11	7	10	8	8	88	10	9	9
28	10	9	9	12	6	11	8	9	24	10	9	9
29	10	9	9	12	6	11	8	12	16	10	9	10
30	10	9	9	11	.	10	8	9	14	10	9	10
31	9	10	11	12	.	10	9	9	.	10	9	.
Mean	8	10	10	10	10	10	9	10	13	11	10	10
Max.	11	11	12	12	14	14	11	16	88	16	12	17
Min.	6	9	8	8	6	6	8	8	6	10	9	9
A.F.	507	587	606	612	597	641	555	602	755	678	617	575

Total acre-feet 7330.

BUREAU OF IRRIGATION

BUFFALO CREEK NEAR DARR—Sec. 28-11-22 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	9	0	0	0	1	0	0	5	0	14	8
2	1	7	0	0	0	1	0	0	12	0	11	2
3	1	6	0	0	0	1	0	0	10	0	9	1
4	2	7	0	0	0	1	0	0	10	0	11	0
5	0	8	0	0	0	1	0	0	5	0	5	1
6	0	5	0	0	0	0	0	0	6	0	6	4
7	0	3	0	0	0	0	0	0	1	13	4	6
8	0	2	0	2	0	0	0	0	0	8	4	4
9	0	2	0	3	0	0	0	0	0	4	4	18
10	0	5	0	1	0	0	0	1	0	13	2	21
11	0	2	0	0	0	0	0	1	1	9	16	21
12	0	1	0	0	0	0	0	5	6	10	20	8
13	4	0	0	0	0	0	0	0	6	19	23	2
14	4	0	0	0	0	70	0	0	5	6	23	2
15	3	0	0	0	0	297	0	0	2	5	24	3
16	2	0	0	0	0	128	0	3	3	5	28	5
17	0	0	0	0	2	10	0	3	0	23	22	5
18	0	0	0	0	3	3	0	2	0	30	18	6
19	3	0	0	0	1	2	0	0	0	12	10	0
20	4	0	0	0	0	0	0	2	4	6	8	0
21	3	0	0	0	0	0	0	5	297	1	4	0
22	1	0	0	0	0	0	0	2	308	0	1	0
23	1	0	0	0	0	0	0	0	4	0	2	0
24	4	0	0	0	0	0	0	0	0	0	1	0
25	4	0	0	0	0	0	0	0	0	0	0	0
26	7	0	0	0	2	0	0	2	0	0	0	0
27	10	0	0	0	20	0	0	1	0	0	9	1
28	15	0	0	0	20	0	0	1	0	9	2	4
29	15	0	0	0	20	0	0	2	0	510	1	4
30	14	0	0	0	0	0	0	6	0	15	4	3
31	10	0	0	0	0	0	0	6	0	14	3	0
Mean	4	2	0	0	2	17	0	1	23	23	9	4
Max.	15	9	0	3	20	297	0	6	308	510	28	21
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	221	115	0	14	135	1020	0	78	1350	1410	577	257

Total acre-feet 5180.

BUFFALO CREEK
Sec. 33-9-18 W.

Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	6	12	38	123	110
2	1	104	15	226	113
3	7	128	8	96	111
4	7	84	17	71	98
5	7	61	40	58	112
6	7	53	34	56	54
7	6	48	40	50	50
8	4	44	34	34	40
9	2	39	52	32	46
10	66	32	73	40	38
11	70	46	120	38	58
12	58	45	135	44	85
13	41	71	114	44	78
14	26	92	81	64	74
15	59	122	58	76	65
16	30	120	66	94	60
17	14	80	70	138	42
18	7	60	65	92	46
19	34	45	67	76	54
20	40	32	92	36	59
21	60	27	76	40	58
22	6	35	24	18	51
23	5	92	13	21	36
24	1	144	9	11	25
25	0	226	4	11	16
26	10	258	8	3	18
27	38	94	1	3	40
28	18	71	2	4	29
29	11	118	9	4	28
30	21	72	20	97	50
31	14	..	100	96	..
Mean	25	84	48	58	58
Max.	70	258	135	226	113
Min.	0	12	1	3	16
A.F.	1340	4970	2950	3510	3460

CEDAR CREEK
Sec. 11-18-48 W.

Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	17	16	32	5	2
2	17	16	29	5	4
3	14	15	29	5	4
4	14	15	19	20	3
5	15	6	19	20	4
6	15	6	19	33	7
7	15	6	2	31	7
8	13	6	2	25	7
9	13	5	17	25	7
10	33	13	17	25	7
11	33	13	16	24	7
12	33	13	5	6	10
13	15	26	4	6	10
14	15	26	5	5	9
15	15	26	12	5	9
16	0	25	13	9	9
17	0	54	12	9	14
18	3	50	8	9	13
19	3	36	8	1	13
20	3	36	25	1	13
21	3	31	23	1	12
22	3	31	23	1	11
23	3	31	23	1	11
24	3	31	24	1	8
25	3	29	23	1	16
26	3	29	22	7	14
27	3	28	24	8	11
28	3	12	24	8	11
29	20	11	12	2	16
30	19	31	12	2	15
31	18	..	12	2	..
Mean	12	22	17	10	9
Max.	33	54	32	33	16
Min.	0	6	2	1	2
A.F.	730	1330	1020	600	560

REPORT OF THE STATE ENGINEER

CALAMUS RIVER NEAR BURWELL—Sec. 8-21-16 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	258	264	252	292	250	267	264	261	229	240	240	218
2	258	267	255	290	260	267	264	264	229	232	252	213
3	246	255	252	290	240	267	279	255	229	221	240	215
4	235	276	240	290	240	267	273	249	226	218	240	218
5	235	276	200	286	250	273	273	261	235	213	232	221
6	238	270	250	264	260	267	273	273	243	210	235	238
7	226	267	270	264	250	270	276	273	235	208	238	243
8	226	264	280	267	210	270	264	273	221	210	240	243
9	240	264	280	264	240	270	264	270	213	218	232	238
10	235	261	280	264	250	240	261	270	215	213	238	235
11	235	264	280	267	180	200	261	279	221	215	267	238
12	249	261	280	270	250	230	261	267	235	218	295	238
13	246	264	300	270	300	260	261	261	226	226	292	238
14	243	270	300	240	330	300	255	252	229	221	273	238
15	261	264	305	260	370	279	252	243	232	215	261	235
16	270	264	298	280	430	282	252	238	232	224	267	232
17	279	261	295	280	420	267	255	232	264	213	261	229
18	276	261	258	280	400	273	258	232	258	226	252	229
19	270	260	273	280	326	282	252	240	249	238	243	229
20	267	260	270	280	302	282	255	246	276	238	235	243
21	261	260	279	280	282	279	258	235	329	240	229	246
22	267	260	282	230	298	282	258	243	376	238	229	243
23	267	270	282	130	289	282	258	270	336	238	224	243
24	261	290	282	260	273	267	279	298	238	232	221	240
25	258	279	279	280	276	282	267	273	279	232	215	240
26	258	276	279	270	276	264	270	267	279	232	215	240
27	264	273	279	230	276	240	273	252	292	229	224	240
28	264	270	279	220	276	243	258	243	270	240	221	240
29	270	261	279	210	273	261	258	235	258	258	229	238
30	298	255	276	230	...	258	258	238	252	246	229	235
31	273	...	286	240	...	258	...	243	...	238	229	...
Mean	256	266	275	260	286	266	263	255	256	227	242	236
Max.	298	290	305	292	430	300	279	279	376	257	295	246
Min.	226	255	200	130	180	200	252	232	213	208	215	213
A.F.	15720	15840	16880	15980	16440	16350	15630	15700	15210	13960	14870	13960

Total acre-feet 186500.

CEDAR RIVER NEAR SPALDING—Sec. 5-20-10 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	123	134	132	110	140	129	134	114	125	121	121	98
2	123	127	136	110	140	131	129	119	118	110	158	102
3	121	127	136	110	140	127	123	132	110	107	129	106
4	121	138	130	120	140	127	127	119	112	107	125	113
5	118	138	120	120	140	132	132	121	110	105	121	104
6	116	127	120	120	140	129	134	158	109	103	118	106
7	112	127	120	121	130	127	140	156	107	99	121	111
8	112	129	120	123	110	125	136	136	102	100	121	110
9	114	129	120	114	120	123	127	131	100	107	116	128
10	114	123	120	112	130	110	127	129	103	107	109	126
11	112	125	120	109	100	120	129	129	105	103	60	114
12	121	121	120	112	130	120	127	129	156	100	123	110
13	119	119	120	114	140	130	129	129	146	102	78	116
14	118	123	120	112	130	140	129	125	131	100	71	112
15	118	131	130	123	150	152	129	119	119	102	92	101
16	116	131	130	110	434	144	123	114	121	103	106	108
17	116	123	129	120	320	144	121	114	131	116	104	103
18	114	125	127	110	177	142	118	112	127	132	96	102
19	116	129	127	110	142	152	118	107	118	127	97	116
20	112	138	131	130	136	156	112	105	142	121	96	109
21	114	142	129	120	136	158	116	105	168	110	107	121
22	114	136	129	110	127	154	134	107	160	107	100	119
23	116	138	131	100	134	148	131	110	170	105	98	104
24	118	138	131	120	140	150	129	112	156	102	92	122
25	118	138	132	140	134	172	140	110	142	98	94	130
26	118	140	132	140	160	142	140	110	146	100	93	118
27	118	140	134	130	207	138	125	107	172	99	101	123
28	116	136	134	130	164	140	119	105	156	99	104	128
29	116	136	132	140	134	154	114	110	138	172	101	114
30	146	134	129	140	...	168	114	132	125	185	102	116
31	164	...	120	140	...	146	...	134	...	132	100	...
Mean	119	131	127	120	156	140	127	121	131	112	105	113
Max.	164	142	136	140	434	172	140	158	172	185	158	130
Min.	112	119	120	100	100	110	112	105	100	99	60	98
A.F.	7330	7820	7820	7380	8980	8590	7550	7420	7790	6910	6450	6720

Total acre-feet 90760.

BUREAU OF IRRIGATION

CEDAR RIVER NEAR FULLERTON—Sec. 4-16-6 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	172	243	198	80	220	380	201	180	190	206	201	130
2	182	204	204	90	200	287	204	180	165	182	172	119
3	185	204	198	130	170	317	201	190	160	168	302	132
4	190	201	200	220	130	280	187	196	152	163	234	132
5	170	198	150	230	190	243	182	196	152	160	175	132
6	172	201	180	200	180	240	204	193	182	163	168	140
7	170	201	230	180	120	253	201	190	156	160	172	148
8	156	190	190	260	160	240	193	221	150	158	168	156
9	156	182	180	490	140	224	198	215	148	618	163	156
10	152	196	180	380	120	240	198	196	150	237	163	156
11	160	190	160	260	140	180	190	187	150	165	342	175
12	170	196	160	240	150	200	185	187	243	165	339	154
13	165	198	160	160	160	240	215	190	218	150	1060	144
14	158	193	180	110	160	280	204	185	209	138	744	146
15	163	204	210	120	180	300	196	185	185	128	2780	142
16	163	204	190	140	190	1070	190	180	175	128	636	136
17	172	198	190	150	920	466	177	175	177	134	237	130
18	170	198	220	150	930	407	182	172	215	140	190	132
19	165	196	220	180	610	398	177	170	196	152	172	134
20	160	215	220	160	340	302	193	170	221	168	160	136
21	160	224	210	200	210	270	185	163	246	156	156	156
22	163	231	230	200	260	250	185	163	1560	148	152	146
23	168	198	210	170	310	240	206	209	424	132	156	160
24	165	200	210	180	300	253	218	212	237	125	156	165
25	170	221	230	180	520	240	224	177	240	123	150	156
26	158	234	220	200	1060	273	209	163	495	125	140	163
27	177	250	230	210	3770	212	215	168	2980	127	142	163
28	177	209	220	150	6670	215	206	158	627	117	140	158
29	172	218	220	190	807	240	193	163	298	2590	138	160
30	185	190	250	210	...	221	177	177	237	538	140	163
31	215	...	150	150	...	266	...	172	...	243	128	...
Mean	170	206	200	193	666	298	197	183	365	262	328	147
Max.	215	250	250	490	6970	1070	224	221	2980	2590	2780	175
Min.	152	182	150	80	120	180	177	158	148	117	128	119
A.F.	10440	12270	12300	11840	38310	18300	11690	11270	21700	16080	20180	8770

Total acre-feet 193150.

CLEVELAND DRAIN
Sec. 6-20-52 W.

Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	2	24	25	2	2
2	2	24	30	16	4
3	2	24	29	17	5
4	3	16	30	20	5
5	4	20	28	21	18
6	1	14	16	23	16
7	1	11	16	25	21
8	4	14	18	27	27
9	4	15	14	16	26
10	4	19	11	19	27
11	4	14	11	18	27
12	6	20	13	15	29
13	4	23	10	12	30
14	11	24	26	4	22
15	11	21	25	12	26
16	12	16	24	13	23
17	24	11	27	2	23
18	24	10	20	3	21
19	17	4	20	1	23
20	12	6	20	3	29
21	23	4	21	3	27
22	27	4	26	12	24
23	23	11	18	10	30
24	19	12	16	9	28
25	16	7	24	4	22
26	28	7	16	7	23
27	26	2	14	10	17
28	21	3	14	8	20
29	24	5	3	12	21
30	26	4	5	6	22
31	28	...	1	4	...
Mean	13	13	18	11	21
Max.	28	24	30	27	30
Min.	1	2	1	1	2
A.F.	820	770	1130	700	1270

DAWSON COUNTY DRAIN NO. 2
Sec. 25-10-23 W.

Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	1	2	5	6	7
2	1	2	5	5	7
3	1	2	5	5	8
4	0	2	4	6	6
5	1	2	5	5	6
6	1	2	5	5	6
7	1	2	6	5	5
8	1	2	6	5	5
9	1	2	4	4	5
10	1	2	4	4	4
11	1	2	4	4	4
12	1	2	3	5	4
13	1	2	3	7	4
14	1	2	3	5	4
15	1	2	3	5	4
16	1	2	3	5	4
17	1	2	4	5	4
18	0	1	4	5	3
19	1	2	4	5	3
20	1	2	4	5	3
21	2	2	4	5	4
22	2	60	4	5	4
23	2	50	7	5	4
24	3	10	8	6	3
25	3	6	8	7	3
26	4	5	8	5	3
27	2	17	6	6	3
28	3	7	8	8	3
29	4	6	50	9	3
30	10	5	8	6	2
31	3	...	6	5	...
Mean	2	7	6	5	4
Max.	10	60	50	9	8
Min.	0	2	3	4	2
A.F.	110	420	400	330	260

REPORT OF THE STATE ENGINEER

DISMAL RIVER AT DUNNING—Sec. 4-21-24 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	327	297	303	348	240	297	297	333	268	292	292	309
2	315	297	312	339	240	297	300	342	271	283	306	306
3	324	303	297	354	240	297	300	333	286	277	348	318
4	315	330	289	339	240	300	303	336	300	280	294	327
5	318	312	280	342	240	327	312	324	309	292	292	309
6	306	312	290	336	250	321	312	351	300	280	286	366
7	297	318	290	336	250	315	327	333	297	280	294	333
8	303	286	290	333	250	306	289	345	306	280	286	336
9	286	283	300	327	250	292	277	336	303	283	283	321
10	289	303	300	318	250	290	283	333	300	268	286	324
11	294	297	310	324	260	290	283	327	297	280	289	315
12	280	292	324	294	260	330	268	327	303	271	327	315
13	283	315	333	277	260	380	274	339	297	268	292	318
14	277	327	336	260	270	388	268	339	294	297	297	312
15	297	312	330	283	280	375	280	345	312	277	297	303
16	300	297	333	268	290	369	283	345	321	286	294	303
17	294	306	339	254	310	372	271	327	330	283	289	294
18	294	309	324	286	375	330	294	330	321	397	286	286
19	294	303	321	277	300	345	289	318	303	372	292	306
20	294	330	327	277	303	363	277	324	324	327	294	306
21	300	321	339	294	294	342	277	325	312	321	294	303
22	286	321	333	262	289	336	306	325	321	315	289	303
23	294	321	327	245	283	345	336	348	354	309	294	318
24	300	324	330	262	283	354	382	321	300	321	297	312
25	315	321	318	271	277	330	375	303	297	300	303	309
26	289	303	324	245	292	330	357	303	306	306	297	306
27	289	315	330	245	297	327	339	286	306	303	330	303
28	289	306	336	240	303	294	333	286	309	312	309	303
29	297	321	336	240	268	294	333	277	294	342	303	303
30	318	312	303	240	...	300	348	292	289	309	303	312
31	318	...	315	240	...	286	...	274	...	306	300	...
Mean	299	310	317	289	274	327	306	323	304	301	298	313
Max.	327	330	339	354	375	388	382	351	354	397	348	366
Min.	277	283	280	240	240	286	268	274	268	268	283	286
A. F.	18410	18430	19480	17760	15760	20080	18190	19890	18110	18480	18330	18600

Total acre-feet 221520.

DRIFTWOOD CREEK NEAR McCOOK—Sec. 12-2-30 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	4	1	2	0
2	0	0	0	0	0	0	0	0	1	0	2	0
3	0	0	0	0	0	1	0	0	2	0	4	0
4	0	0	1	0	0	1	0	1	1	0	2	0
5	0	0	0	0	0	0	0	0	0	0	4	0
6	0	0	0	0	0	0	0	0	0	0	2	1
7	0	0	0	0	0	1	0	0	0	0	2	1
8	0	0	0	0	0	1	0	0	0	0	2	1
9	0	0	0	0	0	1	0	0	0	1	2	1
10	0	0	0	0	0	0	0	0	0	1	2	4
11	0	0	0	0	0	0	0	0	0	8	2	1
12	0	0	0	0	0	0	0	0	0	5	1	0
13	0	0	0	0	0	0	0	0	0	4	1	0
14	1	0	0	0	0	1	0	0	0	3	0	0
15	1	0	0	0	1	1	0	0	0	2	0	0
16	0	0	0	0	1	3	0	0	0	64	0	0
17	0	0	0	0	3	3	0	0	0	8	0	0
18	0	0	0	0	16	6	0	1	0	5	0	0
19	0	0	0	0	21	3	0	1	0	2	0	0
20	0	0	0	0	10	1	0	1	0	1	0	0
21	0	0	0	0	4	1	0	2	569	1	1	0
22	0	0	0	0	3	1	0	1	277	0	0	0
23	0	0	0	0	2	1	0	0	21	1	0	0
24	0	0	0	0	2	0	0	0	13	0	0	0
25	0	0	0	0	1	0	0	0	7	0	0	0
26	0	0	0	0	1	0	0	0	179	0	1	0
27	0	0	0	0	1	0	0	0	46	0	9	0
28	0	0	0	0	1	0	0	0	9	0	1	0
29	0	0	0	0	1	0	0	0	2	5	0	0
30	0	0	0	0	0	0	0	341	1	2	0	0
31	0	0	0	0	2	1	0	10	0	2	0	0
Mean	0	0	0	0	2	1	0	12	38	4	1	0
Max.	1	0	1	0	21	6	0	341	569	64	9	4
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A. F.	14	11	20	17	138	61	12	714	2250	240	83	21

Total acre-feet 3580.

BUREAU OF IRRIGATION

DUGOUT CREEK, UPPER
Sec. 20-20-50 W.

Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	4	20	22	6	10
2	2	20	19	12	11
3	3	26	17	21	11
4	3	27	17	21	14
5	1	22	18	56	15
6	3	6	19	53	15
7	2	8	21	53	16
8	4	4	24	21	17
9	4	4	12	32	38
10	1	5	12	21	16
11	2	5	20	15	16
12	1	2	20	16	28
13	1	2	17	12	37
14	1	10	15	14	39
15	1	9	31	16	17
16	1	14	38	15	16
17	1	24	28	16	18
18	1	54	28	12	20
19	1	28	28	14	18
20	1	32	47	14	16
21	1	32	47	11	25
22	1	32	43	13	27
23	2	30	37	12	39
24	2	28	34	13	44
25	4	27	37	13	42
26	3	29	29	12	47
27	13	18	10	13	48
28	20	21	13	13	48
29	21	27	5	11	47
30	16	30	6	12	28
31	18	..	8	12	..
Mean	4	20	23	19	26
Max.	21	54	47	56	48
Min.	1	2	5	6	10
A.F.	280	1190	1430	1140	1550

ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.

Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	108	151	182	120	110	290	236	236	116	300	164	105
2	116	147	185	130	120	270	228	228	113	262	171	101
3	116	147	173	140	120	250	221	214	111	227	171	103
4	116	161	119	140	120	240	216	203	109	207	161	98
5	111	166	97	140	120	230	216	200	106	185	154	94
6	103	163	140	150	120	210	209	221	109	171	164	97
7	101	168	170	150	120	210	221	223	106	154	180	103
8	100	163	180	150	130	220	227	210	103	146	175	108
9	101	166	190	160	120	214	219	203	101	360	173	108
10	100	171	200	160	120	119	219	203	100	201	274	105
11	103	170	200	180	120	130	218	203	94	163	711	105
12	117	154	200	210	110	190	210	200	129	147	368	103
13	116	158	200	150	120	250	201	196	141	144	296	98
14	111	170	200	100	120	300	201	187	139	142	308	94
15	116	187	180	120	130	318	198	175	141	144	629	89
16	117	183	180	130	180	294	192	166	151	146	416	82
17	116	185	170	140	310	280	187	156	161	141	350	76
18	117	189	170	140	383	280	183	149	163	144	304	77
19	114	194	170	130	370	286	187	139	156	154	268	80
20	113	200	180	120	290	288	185	132	170	147	236	92
21	109	210	180	130	220	294	183	129	201	141	216	105
22	108	170	180	140	220	294	192	122	294	130	201	108
23	119	150	190	140	200	286	191	121	356	122	185	121
24	130	140	190	140	200	273	198	121	324	117	173	144
25	130	160	190	130	230	276	219	114	339	130	158	132
26	129	180	200	130	260	274	223	113	392	127	142	134
27	129	203	200	130	483	251	227	108	408	116	137	134
28	125	196	200	130	522	251	238	103	378	113	132	130
29	124	185	180	120	332	249	243	98	343	173	125	125
30	142	182	170	110	..	245	236	108	334	135	116	122
31	168	..	100	110	..	245	..	114	..	158	111	..
Mean	117	172	176	138	207	252	211	164	196	168	258	106
Max.	168	210	200	210	522	318	243	236	408	360	711	144
Min.	100	140	97	100	110	119	183	98	94	113	111	76
A.F.	7190	10250	10840	8470	11900	15490	12540	10100	11680	10310	14620	6290

Total acre-feet 129680.

REPORT OF THE STATE ENGINEER

ELKHORN RIVER AT NORFOLK—Sec. 3-23-1 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	175	270	320	205	208	1700	410	360	190	480	305	212
2	179	290	320	228	216	1250	400	342	195	440	280	198
3	179	270	320	243	210	800	395	330	182	405	270	194
4	180	255	285	260	210	600	388	316	190	370	264	192
5	180	252	235	268	212	440	380	305	180	335	258	190
6	180	257	200	270	212	400	378	305	177	305	260	192
7	178	260	210	270	213	400	375	310	170	284	260	197
8	171	270	225	270	214	390	365	310	168	270	260	206
9	171	270	245	270	215	320	358	308	163	350	280	208
10	170	265	265	270	215	250	350	305	160	575	360	198
11	170	265	280	250	215	250	345	300	158	540	2650	189
12	172	265	290	215	215	300	340	288	152	350	1700	176
13	178	268	290	200	215	350	335	280	180	275	1100	167
14	182	270	290	170	215	430	330	270	190	240	1100	155
15	198	270	290	175	250	480	322	260	190	235	1400	143
16	199	270	290	220	400	530	316	252	190	215	1500	137
17	192	275	290	220	700	580	308	245	350	210	1120	130
18	183	280	290	220	1530	590	306	240	490	202	945	130
19	182	285	290	220	1400	590	300	230	450	235	730	140
20	183	290	290	218	880	585	294	225	365	260	580	156
21	183	285	290	215	450	560	288	220	380	230	480	170
22	187	275	290	213	420	530	282	212	410	212	410	192
23	195	254	290	212	400	494	280	206	525	204	365	230
24	195	240	290	211	430	478	284	200	665	202	330	290
25	195	260	290	210	470	460	296	197	590	200	305	350
26	195	300	290	209	700	450	320	192	660	188	285	330
27	195	315	290	208	1300	440	350	188	730	178	265	280
28	195	320	290	205	2500	430	375	180	670	175	250	245
29	195	320	280	207	1950	430	380	172	610	212	235	220
30	195	320	250	208	...	420	375	163	530	290	225	210
31	235	...	185	208	...	413	...	175	...	340	218	...
Mean	186	276	276	225	578	527	341	254	342	291	613	201
Max.	235	320	320	270	2500	1700	410	360	730	575	2650	130
Min.	170	240	185	170	208	250	280	163	152	175	218	190
A. F.	11440	16440	16960	13820	33240	32410	20280	15640	20370	17870	37670	11950

Total acre-feet 248090.

ELKHORN RIVER AT EWING—Sec. 35-27-9 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	59	52	48	44	109	109	121	54	145	78	36
2	37	60	50	46	44	98	106	114	51	125	73	36
3	38	59	48	48	46	98	105	109	47	110	70	35
4	39	61	32	48	46	88	103	106	45	99	72	34
5	38	61	36	52	46	98	100	108	43	92	71	32
6	36	64	46	62	46	78	99	110	43	82	71	35
7	36	66	54	70	46	82	104	108	41	75	72	36
8	35	66	52	72	46	90	108	104	40	70	73	37
9	35	66	54	74	46	98	113	96	37	70	73	39
10	36	67	56	72	46	78	112	94	36	65	79	39
11	36	68	56	68	44	68	109	92	36	65	89	37
12	38	72	56	72	46	62	103	92	51	63	93	36
13	37	64	56	80	46	70	100	87	62	65	109	34
14	37	72	56	54	46	76	96	83	64	66	127	32
15	39	74	58	44	46	84	95	77	64	70	125	31
16	41	72	58	40	60	110	92	73	64	68	115	29
17	46	74	60	44	84	136	88	71	72	67	107	28
18	43	74	58	42	112	131	86	68	73	68	97	28
19	43	74	58	40	107	129	84	64	73	68	89	28
20	42	76	60	40	92	135	83	61	76	67	82	32
21	41	79	62	40	86	144	84	59	88	65	77	38
22	40	78	62	42	82	138	82	56	107	62	73	40
23	44	68	62	44	78	134	82	56	156	59	68	47
24	45	68	62	44	80	130	84	55	184	57	63	51
25	46	60	60	44	80	129	95	54	169	58	57	53
26	48	60	60	44	82	124	109	54	169	57	55	54
27	48	62	60	44	110	117	131	51	172	55	48	52
28	49	58	62	46	130	114	139	48	177	55	46	49
29	49	56	64	44	131	114	132	48	185	66	46	48
30	53	52	64	44	...	115	129	51	171	67	43	47
31	57	...	52	44	...	111	...	54	...	78	39	...
Mean	42	66	56	52	69	106	102	78	88	74	77	...
Max.	57	79	64	80	131	144	130	121	185	145	127	54
Min.	35	52	32	40	44	62	82	48	36	55	39	28
A. F.	2550	3950	3420	3170	3960	6520	6070	4810	5260	4520	4730	2290

Total acre-feet 51250.

BUREAU OF IRRIGATION

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ELKHORN RIVER AT WATERLOO—Sec. 21-16-10 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	344	489	698	420	460	7210	1070	742	467	1360	1460	557
2	344	557	692	460	460	6280	1040	736	463	985	1320	2580
3	347	817	687	480	450	4240	1000	736	454	835	1080	1700
4	351	720	692	530	440	2600	949	787	450	758	1240	687
5	351	623	665	520	440	1900	921	805	450	714	781	553
6	344	587	592	520	420	1200	894	823	450	676	704	524
7	344	592	582	560	420	1100	861	793	442	612	660	817
8	347	587	420	590	420	1100	854	770	425	567	617	949
9	340	577	300	600	410	1000	842	736	410	597	577	770
10	344	567	290	670	410	1100	848	726	398	654	649	665
11	340	548	410	1020	420	590	854	714	390	709	4190	548
12	337	520	410	1000	420	570	842	704	442	868	8070	506
13	340	511	460	1000	410	630	829	704	437	874	6630	489
14	458	502	530	690	410	930	817	692	410	714	4520	484
15	463	538	540	540	400	3400	811	698	421	628	2650	480
16	425	515	570	420	420	4400	799	682	417	562	2030	463
17	390	511	580	400	620	6000	781	654	433	587	2060	446
18	376	515	570	380	2300	10000	764	633	1370	538	2190	429
19	372	520	580	350	3300	9000	753	612	963	787	1760	417
20	354	543	580	350	2330	6600	742	582	736	1920	1330	410
21	354	543	580	360	2070	2940	720	557	617	1820	1110	413
22	354	557	560	380	2140	1940	714	538	633	880	963	410
23	365	500	550	360	2220	1550	731	524	1290	1070	861	406
24	394	520	570	360	1460	1390	758	515	2050	835	787	473
25	383	540	570	370	1100	1300	775	548	1260	587	720	913
26	383	540	570	360	1120	1280	799	602	1030	506	682	2080
27	386	638	570	360	2200	1250	868	520	1900	502	842	1610
28	390	654	570	370	8090	1310	805	506	3620	493	720	900
29	390	692	560	410	8050	1450	781	511	2710	617	1310	654
30	402	692	500	430	....	1280	764	489	1410	1000	874	562
31	454	....	400	460	....	1150	....	480	....	1790	623	....
Mean	373	574	543	507	1511	2766	833	649	898	840	1742	762
Max.	463	817	698	1020	8090	10000	1070	823	3620	1920	8070	2590
Min.	337	489	290	350	400	570	714	480	390	493	577	406
A.F.	22940	34150	33420	31180	86900	171900	49560	39910	53450	51660	107100	45310

Total arce-feet 727480.

ELKHORN RIVER, SOUTH FORK, AT EWING—Sec. 2-26-9 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	39	40	25	26	72	47	48	29	60	33	27
2	31	41	40	18	27	68	46	49	28	52	35	27
3	28	43	30	16	27	66	45	49	27	44	36	28
4	31	45	20	15	27	63	44	49	26	40	38	31
5	33	46	23	15	28	59	42	49	26	36	40	35
6	36	47	25	15	28	58	41	49	26	34	42	38
7	36	48	27	16	29	57	41	49	26	32	45	38
8	33	48	28	18	29	59	43	48	26	30	48	38
9	31	49	29	20	30	65	44	46	25	30	50	36
10	28	49	29	22	31	35	45	44	26	30	64	33
11	28	49	30	23	31	42	45	43	27	30	76	31
12	30	50	30	24	31	50	44	42	28	31	76	31
13	30	50	30	24	31	56	43	40	29	31	76	28
14	30	50	29	23	31	60	42	39	31	31	78	27
15	31	50	29	20	31	64	40	38	34	31	99	25
16	31	50	29	15	35	66	39	37	38	32	76	25
17	29	47	29	16	50	65	39	35	40	32	64	25
18	27	41	29	18	78	64	38	34	42	32	60	25
19	27	40	29	20	82	63	37	33	57	33	60	30
20	27	40	29	22	75	61	36	32	60	33	52	35
21	27	39	29	23	68	59	36	32	67	33	48	36
22	27	39	30	24	66	57	37	31	70	32	42	40
23	28	39	30	24	66	56	39	30	58	32	42	57
24	29	39	30	25	65	55	41	30	48	31	36	57
25	30	39	30	25	64	54	42	30	76	31	36	50
26	31	39	30	25	66	53	44	30	162	30	35	49
27	32	39	30	25	74	51	46	30	110	30	35	46
28	33	39	30	25	94	50	47	30	78	30	30	46
29	34	40	30	26	82	49	48	31	78	30	30	38
30	35	40	30	26	..	48	48	31	78	31	28	38
31	37	..	29	26	..	48	..	31	..	31	27	..
Mean	31	44	29	21	48	57	42	38	49	34	50	36
Max.	37	50	40	26	94	72	48	49	162	60	99	57
Min.	27	39	20	15	26	35	36	30	25	30	27	25
A.F.	1880	2610	1810	1310	2780	3520	2520	2360	2930	2070	3050	2120

Total acre-feet 28960.

REPORT OF THE STATE ENGINEER

ELM CREEK NEAR OVERTON—Sec. 17-10-19 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	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	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	8	0	0	0	0	0	0	0	0
8	0	0	0	25	0	0	0	0	0	0	0	0
9	0	0	0	7	0	0	0	0	0	0	0	0
10	0	0	0	4	0	0	0	0	0	0	0	0
11	0	0	0	2	0	0	0	0	1	0	0	0
12	0	0	0	0	0	0	0	0	4	0	23	0
13	0	0	0	0	0	0	0	0	0	0	1	0
14	0	0	0	0	0	54	0	0	0	0	0	0
15	0	0	0	0	0	253	0	0	0	0	0	0
16	0	0	0	0	0	119	0	0	0	0	0	0
17	0	0	0	0	1	16	0	0	45	0	0	0
18	0	0	0	0	1	8	0	0	2	14	0	0
19	0	0	0	0	0	4	0	0	1	2	0	0
20	0	0	0	0	0	0	0	0	1	0	0	0
21	0	0	0	0	0	0	0	0	4	0	0	0
22	0	0	0	0	0	0	0	0	4	0	0	0
23	0	0	0	0	0	0	0	0	1	0	0	0
24	0	0	0	0	0	0	0	0	1	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	60	0	0	0
27	0	0	0	0	20	0	0	0	218	0	0	0
28	0	0	0	0	1	0	0	0	1	3	0	0
29	0	0	0	0	1	0	0	0	0	132	0	0
30	0	0	0	0	0	0	0	0	0	2	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	2	1	15	0	0	11	5	1	0
Max.	0	0	0	25	20	253	0	0	218	132	23	0
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	0	0	0	93	49	903	0	0	680	304	49	0

Total acre-feet 2080.

ELM CREEK
Sec. 33-9-18 W.

Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	0	0	1	8	15
2	0	3	4	5	12
3	0	6	0	5	11
4	0	3	0	15	10
5	5	7	0	6	17
6	4	5	0	5	6
7	0	3	0	6	1
8	0	1	7	2	12
9	0	4	2	0	12
10	0	1	0	7	16
11	0	0	0	5	15
12	0	2	0	1	1
13	0	2	24	42	7
14	0	1	1	15	1
15	0	2	0	8	1
16	1	5	0	10	0
17	0	0	0	8	0
18	0	140	0	8	0
19	1	13	38	7	0
20	0	7	13	0	1
21	0	6	0	0	0
22	0	19	6	0	0
23	0	36	2	0	0
24	0	7	0	0	10
25	0	2	0	0	6
26	0	1	0	0	5
27	0	1	0	0	13
28	0	290	0	2	13
29	0	13	280	4	4
30	0	4	180	0	10
31	0	0	15	12	0
Mean	0	20	18	6	7
Max.	5	290	280	42	17
Min.	0	0	0	0	0
A.F.	20	1180	1130	350	390

FREMONT SLOUGH
Sec. 16-13-30 W.

Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	19	16	16	14	13
2	19	16	15	14	13
3	19	15	14	15	13
4	18	15	13	17	12
5	17	14	13	16	12
6	17	14	13	15	12
7	17	13	12	16	12
8	16	13	12	15	13
9	16	13	15	14	13
10	16	13	15	14	14
11	18	13	15	14	13
12	16	15	13	15	13
13	16	16	13	14	13
14	16	17	13	14	13
15	16	16	13	14	13
16	15	20	13	14	12
17	15	18	13	13	12
18	15	15	13	13	12
19	14	16	12	13	12
20	14	17	12	11	12
21	15	18	11	11	12
22	14	20	11	11	13
23	15	19	11	10	13
24	14	19	11	10	13
25	14	19	11	10	15
26	14	18	11	11	14
27	14	18	11	21	14
28	14	18	11	21	13
29	13	17	14	18	13
30	16	16	16	16	13
31	16	0	14	14	0
Mean	16	16	13	14	13
Max.	19	20	16	21	15
Min.	13	13	11	10	12
A.F.	970	960	790	870	780

BUREAU OF IRRIGATION

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FREMONT SLOUGH—Sec. 17-13-29 W.
Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	3	5	7	8	8	7	8	6	7	8	10
2	5	4	5	7	8	8	7	8	6	7	8	11
3	5	4	5	7	8	8	7	8	6	6	8	10
4	6	5	5	7	7	8	7	8	6	6	8	10
5	6	4	5	6	7	9	7	8	6	7	8	10
6	5	5	6	7	7	8	7	8	6	7	8	11
7	5	4	6	7	7	8	7	8	6	6	8	11
8	6	4	6	6	6	10	7	8	6	7	8	11
9	5	4	6	6	6	10	7	8	6	7	7	11
10	6	4	6	6	6	10	7	8	6	8	7	11
11	6	4	7	6	6	10	7	8	6	8	7	10
12	6	4	8	6	7	9	7	8	8	7	8	10
13	5	4	9	6	7	10	6	8	8	7	8	10
14	6	5	8	6	7	11	6	7	8	7	8	10
15	6	5	8	6	7	8	6	6	8	7	9	10
16	6	5	7	5	8	8	6	6	8	8	9	10
17	6	5	7	5	8	8	6	6	8	7	8	9
18	5	5	7	5	8	8	6	6	8	7	8	8
19	5	5	7	5	8	8	6	6	8	7	8	9
20	5	5	7	5	7	9	7	6	8	7	8	9
21	4	5	7	6	7	9	7	6	8	7	8	9
22	4	5	7	8	7	8	7	6	8	7	8	8
23	4	5	7	8	7	8	7	6	8	7	8	8
24	4	5	7	8	7	8	7	6	7	7	8	8
25	4	5	7	8	8	8	7	6	6	7	8	8
26	4	5	7	8	7	8	7	6	6	7	8	8
27	4	5	7	8	8	8	7	6	8	7	11	8
28	4	5	7	8	8	8	7	6	8	7	11	8
29	4	5	7	8	8	8	8	6	7	7	11	8
30	4	5	7	8	8	8	8	6	7	7	11	8
31	4	5	7	8	8	8	7	6	8	8	11	8
Mean	5	5	7	7	7	9	7	7	7	7	9	9
Max.	6	5	9	8	8	11	7	8	8	8	11	11
Min.	4	3	5	5	6	8	5	6	6	6	7	8
A.F.	310	270	410	410	410	530	400	420	420	430	520	560

Total acre-feet 5090.

FRENCHMAN RIVER BELOW CHAMPION—Sec. 22-6-39 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	44	51	44	60	57	56	34	34	39	39	31	29
2	49	50	42	60	57	57	34	35	42	39	30	29
3	45	50	43	60	57	59	35	32	38	39	34	29
4	45	50	44	59	58	59	33	39	34	39	31	28
5	45	49	43	60	56	60	32	39	33	39	32	29
6	47	49	43	57	57	59	34	38	32	42	32	30
7	47	49	43	58	55	59	32	38	32	38	34	27
8	47	54	43	58	55	58	32	33	31	40	29	27
9	47	49	44	58	56	59	33	28	31	44	34	28
10	47	54	40	58	55	58	34	31	28	50	35	32
11	50	54	40	55	52	57	33	37	28	49	32	25
12	48	52	41	57	59	58	38	38	28	45	32	28
13	51	52	42	54	56	59	37	41	28	46	24	35
14	50	52	39	55	57	61	38	40	28	48	30	37
15	52	52	41	55	57	64	34	39	28	48	30	38
16	53	49	40	55	58	61	31	35	30	47	33	38
17	54	50	54	55	60	69	33	34	28	49	31	38
18	54	47	60	55	59	66	41	33	44	49	30	39
19	53	46	56	55	59	61	42	32	50	48	38	40
20	56	45	55	54	59	44	40	26	56	47	26	41
21	53	42	55	56	60	38	43	25	52	44	31	40
22	53	41	55	55	59	38	44	25	50	43	30	43
23	53	41	53	55	59	37	42	26	55	38	31	38
24	53	42	52	55	59	34	36	26	53	36	28	40
25	54	45	53	55	58	34	34	26	42	31	30	40
26	52	44	54	58	59	39	42	24	50	32	30	40
27	44	43	58	57	59	35	37	24	54	25	30	41
28	40	48	59	56	55	36	34	24	51	25	30	45
29	42	41	59	59	55	36	30	29	43	31	29	47
30	44	39	58	58	58	36	27	24	41	30	31	45
31	49	60	58	58	58	34	26	26	31	27	31	45
Mean	49	48	49	57	57	51	36	32	39	40	31	36
Max.	56	54	60	60	60	69	44	41	56	50	38	47
Min.	40	39	39	54	52	34	27	24	28	25	24	25
A.F.	3020	2840	3000	3490	3300	3140	2120	1950	2340	2480	1890	2110

Total acre-feet 31680.

REPORT OF THE STATE ENGINEER

FRENCHMAN RIVER NEAR IMPERIAL—Sec. 3-5-38 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	66	70	90	82	92	60	71	52	84	56	56
2	69	67	73	90	84	89	62	62	58	79	58	55
3	67	71	72	93	82	91	65	61	59	74	57	50
4	71	82	74	87	82	91	60	57	60	79	60	54
5	71	78	74	95	79	92	68	58	58	79	57	52
6	74	78	70	96	86	95	66	62	63	72	60	53
7	76	78	71	93	89	89	70	63	68	75	60	52
8	77	76	70	92	82	95	61	70	62	71	62	49
9	77	72	81	96	86	96	63	72	60	63	61	51
10	81	74	82	94	86	94	62	60	62	51	65	52
11	86	80	84	88	85	88	62	59	61	50	62	53
12	73	83	87	96	80	89	68	62	57	69	60	54
13	70	80	80	102	85	90	65	60	60	73	58	57
14	80	83	79	93	83	81	67	62	61	79	55	56
15	83	80	77	91	78	87	71	62	56	79	60	66
16	81	78	84	81	84	92	62	60	65	76	60	65
17	80	80	82	86	92	93	60	64	62	78	67	68
18	82	80	88	78	88	92	62	62	61	78	60	66
19	76	88	91	86	94	94	61	60	68	82	54	66
20	76	82	93	89	96	90	62	64	89	79	58	64
21	79	80	89	84	93	79	68	56	88	75	56	65
22	81	71	93	87	85	82	63	51	80	70	55	70
23	77	69	94	89	92	68	66	48	76	70	53	69
24	79	57	87	85	90	69	63	50	74	68	54	70
25	79	70	78	78	90	67	60	51	74	66	58	62
26	75	71	86	84	87	53	63	50	79	63	54	71
27	71	65	96	89	88	62	64	48	105	56	53	70
28	81	63	88	93	90	58	64	49	94	58	50	67
29	76	70	87	88	87	61	60	52	88	48	52	72
30	70	67	92	88	...	68	59	53	89	52	55	73
31	64	...	91	85	...	72	...	52	...	54	...	...
Mean	76	75	83	89	86	82	64	58	70	69	58	61
Max.	86	88	97	102	96	96	71	72	105	84	67	73
Min.	64	63	70	78	78	53	59	48	52	48	50	49
A.F.	4670	4460	5100	5490	4970	5070	3780	3590	4140	4260	3540	3630

Total acre-feet 52700.

FRENCHMAN RIVER NEAR ENDERS—Sec. 4-5-37 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	86	80	82	104	100	101	79	91	69	102	70	65
2	82	83	87	98	89	107	73	81	72	95	70	64
3	80	83	88	106	81	104	73	80	75	82	73	63
4	83	90	89	104	90	106	85	80	75	89	72	64
5	84	90	88	98	92	106	89	79	75	89	73	65
6	77	90	85	107	92	104	93	80	75	90	73	64
7	86	92	83	103	91	108	89	80	75	88	73	68
8	87	90	79	104	93	103	93	83	84	88	74	65
9	86	89	88	106	88	109	85	86	75	86	73	65
10	87	88	87	104	88	98	87	87	75	76	79	66
11	91	93	88	105	56	108	85	79	75	71	77	66
12	90	97	88	98	81	119	83	79	75	73	74	65
13	77	95	86	105	105	114	84	81	75	84	73	65
14	88	95	85	105	112	112	84	80	68	88	70	68
15	90	95	81	101	119	107	82	80	71	96	74	70
16	89	95	88	98	104	115	83	80	70	92	76	73
17	86	93	86	97	111	118	78	79	73	91	77	76
18	86	93	88	98	110	125	81	82	72	90	80	74
19	88	98	92	93	108	124	80	78	72	91	71	75
20	81	103	94	99	111	124	80	78	92	92	71	75
21	89	95	98	98	110	114	80	79	101	88	73	71
22	93	91	100	97	110	103	84	73	102	87	69	77
23	92	88	102	98	104	98	82	74	95	83	69	76
24	87	87	98	97	108	95	81	68	91	82	67	82
25	89	85	97	97	105	92	84	71	88	81	73	80
26	91	91	91	89	105	92	81	69	93	70	69	78
27	84	88	102	87	103	79	84	68	108	70	68	81
28	91	83	106	85	104	90	84	66	138	70	66	84
29	91	85	99	109	105	76	83	70	111	70	62	81
30	88	88	105	103	...	82	81	67	104	70	64	84
31	82	...	89	88	...	86	...	68	...	70	65	...
Mean	86	90	91	100	100	104	83	78	84	84	72	72
Max.	93	103	106	109	119	125	93	91	138	102	80	84
Min.	77	80	79	85	56	78	73	66	68	70	62	63
A.F.	5320	5390	5610	6130	5720	6380	4940	4770	5010	5160	4400	4260

Total acre-feet 63090.

BUREAU OF IRRIGATION

567

FRENCHMAN RIVER NEAR HAMLET—Sec. 29-5-34 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	98	97	104	107	115	123	101	97	85	106	77	71
2	97	94	99	118	120	121	100	111	83	104	86	74
3	93	97	104	122	115	123	93	113	82	99	88	74
4	90	97	108	121	120	121	99	101	85	97	83	72
5	93	104	105	118	120	122	105	99	84	93	83	72
6	94	107	106	112	125	121	109	96	85	93	86	74
7	92	108	106	121	130	123	110	93	83	93	85	77
8	99	108	99	120	120	126	105	96	83	93	85	80
9	101	105	94	118	135	119	108	97	88	99	85	78
10	99	105	98	119	130	120	100	101	85	94	85	76
11	102	104	96	119	100	101	102	97	86	88	84	74
12	106	107	101	118	85	119	100	92	88	82	84	74
13	107	111	105	113	115	141	98	90	88	82	83	72
14	96	110	108	120	135	134	99	93	88	111	83	72
15	104	110	100	121	140	135	97	90	88	126	82	72
16	108	109	93	114	150	119	97	88	90	104	80	72
17	109	110	99	113	140	125	98	88	85	103	81	77
18	107	109	98	120	140	123	92	85	88	101	81	79
19	109	109	99	115	136	125	93	88	87	99	82	79
20	109	115	104	116	132	124	90	83	98	98	76	79
21	105	117	105	118	134	123	92	85	120	100	74	81
22	109	109	106	117	132	118	95	87	119	97	75	78
23	111	108	106	116	131	112	100	82	110	93	72	81
24	112	102	110	118	126	109	96	83	106	90	72	84
25	111	101	109	117	128	108	95	78	103	88	72	87
26	111	102	107	105	128	107	97	79	113	87	80	84
27	109	105	102	100	125	105	93	78	108	85	79	82
28	104	103	115	100	123	94	96	79	132	83	77	86
29	108	98	117	110	123	107	97	82	134	82	74	88
30	108	100	113	120	...	95	96	102	115	80	71	90
31	105	...	116	115	...	100	...	85	...	76	72	...
Mean	103	105	104	116	126	118	98	91	96	94	80	78
Max.	112	117	117	122	150	141	110	113	134	126	88	90
Min.	90	94	93	100	85	94	90	78	82	76	71	71
A.F.	6360	6270	6410	7100	7250	7230	5860	5590	5730	5800	4910	4640

Total acre-feet 73150.

FRENCHMAN RIVER AT CULBERTSON—Sec. 17-3-31 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	85	152	166	140	199	178	64	132	144	23	18
2	74	87	155	158	140	199	180	67	147	128	20	23
3	69	108	152	174	140	210	185	80	116	121	28	19
4	66	127	158	194	140	208	180	96	106	111	34	17
5	68	134	158	201	150	198	178	87	92	107	21	20
6	67	137	158	198	150	188	176	81	88	103	24	25
7	62	140	157	190	160	195	165	75	85	96	25	25
8	62	136	147	194	150	201	162	75	82	94	24	28
9	54	137	158	198	140	220	157	70	79	87	26	26
10	44	140	162	194	160	196	157	69	74	86	26	27
11	42	141	148	198	140	178	157	67	58	79	34	25
12	41	145	143	194	110	186	157	67	73	69	42	28
13	42	147	151	199	100	196	154	74	79	60	146	27
14	51	154	165	196	120	213	159	111	70	50	90	23
15	51	152	176	191	140	252	152	80	70	66	75	20
16	48	151	168	188	190	258	154	78	80	121	75	16
17	54	152	162	177	230	226	150	76	78	97	66	18
18	58	158	171	174	280	217	147	63	74	80	61	23
19	56	159	174	180	304	206	143	61	68	70	64	23
20	61	164	174	180	231	199	127	51	90	64	59	23
21	60	165	174	204	229	194	129	48	168	56	51	26
22	61	164	177	229	224	190	123	46	154	52	48	31
23	62	170	180	181	211	186	119	47	168	43	39	38
24	67	166	183	193	211	178	110	38	155	41	29	40
25	72	166	180	190	208	178	101	39	140	38	24	46
26	76	158	183	180	211	171	96	41	145	37	27	45
27	80	154	180	150	211	161	85	41	164	33	28	46
28	81	158	174	160	208	164	76	41	152	26	23	41
29	82	157	186	150	203	161	69	43	159	23	21	30
30	82	152	183	140	...	182	67	263	161	21	23	36
31	64	...	208	140	...	171	...	137	...	24	18	...
Mean	62	145	168	183	180	196	140	74	110	72	42	28
Max.	82	170	208	229	304	258	185	263	168	144	146	46
Min.	41	85	143	140	100	161	67	39	58	21	18	16
A.F.	3820	8660	10300	11250	10380	12060	8320	4530	6560	4420	2570	1650

Total acre-feet 84520.

GERING DRAIN—Sec. 6-21-54 W.
Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	30	60	35	59	64
2	30	36	23	66	56
3	30	46	35	73	58
4	22	32	41	79	54
5	21	33	35	85	54
6	29	67	52	92	54
7	28	66	41	94	54
8	27	76	56	94	54
9	23	62	48	95	57
10	24	83	48	96	58
11	23	84	35	97	59
12	24	95	44	97	56
13	23	94	60	95	58
14	23	98	612	94	58
15	23	99	41	85	58
16	23	122	41	88	59
17	23	146	56	90	60
18	24	146	64	88	61
19	23	166	48	90	64
20	18	106	64	95	84
21	33	166	64	95	84
22	36	352	60	66	82
23	38	73	48	66	84
24	24	72	50	63	87
25	21	30	56	70	90
26	28	64	60	70	75
27	38	60	64	70	67
28	39	90	84	74	67
29	41	52	56	74	42
30	40	35	52	74	63
31	59	..	52	69	..
Mean	29	92	68	82	64
Max.	59	352	612	97	90
Min.	18	32	23	59	42
A.F.	1760	5480	4180	5040	3810

GORDON CREEK NEAR SIMEON—Sec. 34-31-29 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	8	0	0	0	0	0
2	0	0	0	0	0	0	6	0	0	0	0	0
3	0	0	0	0	0	0	4	0	0	0	0	0
4	0	0	0	0	0	0	4	0	0	0	0	0
5	0	0	0	0	0	0	4	0	0	0	0	0
6	0	0	0	0	0	0	3	1	0	0	0	0
7	0	0	0	0	0	0	2	0	0	0	0	0
8	0	0	0	0	0	0	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	1	0	0	0	1	0	0	0	0
11	0	0	0	0	0	1	0	0	0	0	0	0
12	0	0	0	0	0	1	0	0	0	0	2	0
13	0	0	0	0	0	1	0	0	0	0	4	0
14	0	0	0	0	0	1	0	0	0	0	5	0
15	0	0	0	0	0	3	0	0	0	0	4	0
16	0	0	0	0	0	2	0	0	0	0	3	0
17	0	0	0	0	0	2	0	0	0	0	3	0
18	0	0	0	0	0	2	0	0	0	1	3	0
19	0	0	0	0	0	2	0	0	0	1	2	0
20	0	0	0	0	0	1	0	0	1	0	2	0
21	0	0	0	0	0	1	0	0	2	0	1	0
22	0	0	0	0	0	14	0	0	7	0	1	0
23	0	0	0	0	0	7	0	2	4	0	0	0
24	0	0	0	0	0	11	0	0	1	0	0	0
25	0	0	0	0	0	7	1	0	0	0	0	0
26	0	0	0	0	0	4	1	0	0	0	0	0
27	0	0	0	0	0	6	1	0	1	0	0	0
28	0	0	0	0	0	8	0	0	0	0	0	0
29	0	0	0	0	0	9	0	0	0	0	0	0
30	0	0	0	0	0	6	0	0	0	0	0	0
31	0	0	0	0	0	6	0	0	0	0	0	0
Mean	0	0	0	0	0	3	1	0	1	0	1	0
Max.	0	0	0	0	0	14	8	2	7	1	5	0
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	0	0	0	18	14	187	81	24	41	6	65	0

Total acre-feet 436.

BUREAU OF IRRIGATION

HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	275	66	62	18	26	107	69	22	153	69	106	70
2	163	66	55	26	26	95	56	22	187	79	120	71
3	127	66	47	34	30	95	50	22	176	124	181	72
4	112	65	44	35	37	94	53	18	134	238	156	70
5	103	64	40	38	28	89	56	18	104	215	135	71
6	100	66	38	36	26	92	54	13	124	165	234	78
7	96	63	37	42	28	80	51	18	102	77	181	99
8	92	63	37	38	26	78	50	16	73	49	181	178
9	89	75	33	33	37	75	41	16	56	60	183	152
10	88	66	29	31	30	70	36	16	55	54	163	138
11	84	64	29	32	29	70	33	16	53	56	129	136
12	83	67	32	25	25	90	31	16	53	59	99	172
13	83	64	29	22	30	110	30	18	57	62	81	180
14	82	61	32	28	40	142	28	106	60	168	83	163
15	121	65	32	26	64	148	27	160	61	271	86	143
16	95	63	29	25	106	178	26	168	132	170	83	138
17	84	63	29	25	103	194	25	125	548	175	80	138
18	79	62	37	25	107	197	25	34	374	147	74	131
19	78	61	34	21	74	156	24	20	286	183	73	144
20	77	51	31	22	74	134	23	19	232	152	73	191
21	77	43	32	24	65	120	22	22	208	118	72	208
22	77	40	33	24	122	116	22	22	236	77	72	204
23	84	42	31	24	112	114	22	26	422	77	73	275
24	86	50	32	22	126	109	82	44	442	79	74	250
25	81	60	31	20	127	96	67	48	344	77	72	221
26	80	72	31	19	146	87	36	37	191	80	75	189
27	78	84	31	18	131	87	31	38	144	81	74	192
28	75	73	31	17	136	87	28	44	96	86	73	221
29	73	65	30	28	116	84	25	54	78	79	73	187
30	70	59	28	28	...	81	22	107	76	76	72	172
31	67	...	24	28	...	77	...	106	...	86	70	...
Mean	96	62	34	27	70	108	38	46	175	112	106	155
Max.	275	84	62	42	146	197	82	168	548	271	234	275
Min.	67	40	24	17	25	70	22	16	53	49	70	70
A.F.	5870	3700	2120	1650	4020	6650	2270	2800	10430	6900	6550	9230

Total acre-feet 62190.

INDIAN CREEK—Sec. 19-20-50 W.
Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	12	21	9	18	18
2	11	18	8	19	18
3	8	8	10	15	17
4	6	10	11	13	18
5	7	9	5	18	18
6	7	11	8	18	18
7	4	11	10	13	19
8	6	11	11	15	17
9	7	11	8	18	19
10	8	8	8	16	17
11	7	13	11	12	18
12	6	14	7	10	16
13	6	14	6	14	16
14	6	17	11	15	19
15	6	14	7	18	16
16	6	14	7	15	14
17	6	21	4	15	13
18	6	6	14	15	13
19	6	7	22	18	16
20	5	14	32	16	17
21	5	24	30	17	15
22	6	24	15	19	22
23	6	14	12	18	19
24	6	9	14	16	19
25	10	11	13	16	13
26	10	9	15	17	15
27	8	9	18	17	11
28	10	11	15	16	12
29	7	13	15	15	11
30	8	11	19	14	11
31	10	...	16	17	...
Mean	7	13	13	16	13
Max.	12	24	32	19	22
Min.	4	6	4	10	11
A.F.	440	770	770	980	960

LINCOLN COUNTY DRAIN NO. 1
Sec. 30-14-30 W.
Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	52	77	66	100	104
2	52	82	65	96	101
3	48	84	70	98	102
4	49	86	72	95	108
5	48	89	72	92	113
6	45	91	74	84	114
7	55	86	81	82	109
8	59	83	82	84	106
9	59	86	82	84	99
10	59	76	82	89	96
11	56	76	84	88	96
12	65	93	84	91	102
13	75	88	84	100	85
14	51	82	77	82	82
15	67	80	83	90	81
16	64	81	82	95	81
17	67	80	88	85	81
18	70	77	83	89	86
19	61	75	86	92	91
20	60	81	84	93	92
21	67	77	78	89	94
22	61	76	93	95	89
23	68	74	88	96	93
24	68	73	82	100	91
25	69	81	80	104	90
26	67	71	86	112	88
27	65	69	84	119	88
28	69	69	88	115	84
29	72	69	114	107	84
30	100	84	106	107	81
31	82	...	107	103	...
Mean	63	80	83	95	94
Max.	100	93	114	119	114
Min.	45	69	65	82	81
A.F.	3870	4750	5130	5870	5580

REPORT OF THE STATE ENGINEER

 LODGEPOLE CREEK AT BUSHNELL—Sec. 33-15-57 W.
 Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	12	16	10	9	16	14	12	10	7	9	8
2	8	12	16	12	10	16	14	12	9	7	8	8
3	8	13	15	12	9	16	13	12	8	7	9	8
4	8	13	15	12	9	13	13	12	8	7	9	7
5	8	13	15	12	9	13	13	11	8	7	9	7
6	8	12	15	12	10	14	13	11	8	7	9	7
7	8	11	16	12	10	14	13	10	7	6	9	8
8	8	12	15	12	9	15	11	9	6	6	9	8
9	9	13	15	12	10	13	12	9	6	6	8	8
10	9	10	12	12	8	11	12	10	6	6	8	8
11	9	11	11	12	8	11	11	10	6	6	8	8
12	9	12	12	10	9	14	12	9	6	6	8	8
13	9	11	12	10	7	16	11	9	5	10	58	8
14	9	11	12	12	8	18	12	9	5	116	21	8
15	11	11	13	12	13	18	12	9	5	25	14	8
16	12	13	12	11	14	16	12	9	5	16	11	8
17	11	13	11	10	16	16	12	9	6	14	11	8
18	11	13	11	11	17	16	12	9	6	13	11	8
19	11	13	12	10	17	16	11	8	6	13	10	8
20	11	11	12	9	15	16	11	8	6	12	10	9
21	10	11	12	11	15	15	12	9	7	12	10	9
22	11	12	12	12	14	15	11	8	7	11	9	9
23	12	12	12	12	18	15	11	8	8	9	9	9
24	12	12	12	12	16	15	12	9	8	9	9	10
25	12	13	12	11	16	15	14	9	7	9	11	9
26	12	14	12	7	18	14	14	9	7	9	10	9
27	12	15	12	9	18	15	12	7	8	10	9	8
28	12	14	12	8	15	18	12	8	8	10	9	8
29	12	14	12	10	16	15	11	9	7	9	9	8
30	12	14	12	9	..	14	11	11	7	9	9	8
31	12	..	10	9	..	14	..	12	..	9	8	..
Mean	10	12	13	11	13	15	12	10	7	13	11	8
Max.	12	15	16	12	18	18	14	12	10	116	58	10
Min.	8	10	10	7	7	11	11	7	5	6	8	7
A.F.	625	736	789	664	723	918	722	586	410	800	692	480

Total acre-feet 8140.

 LODGEPOLE CREEK BELOW OLIVER
 RESERVOIR—Sec. 36-15-57 W.
 Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1		1	1	3	1
2	1	1	1	3	1
3	1	1	1	3	3
4	1	1	0	3	5
5	1	1	0	3	5
6	1	1	1	3	6
7	1	1	2	3	6
8	1	1	2	3	6
9	1	1	2	1	6
10	2	1	2	1	5
11	2	1	2	1	5
12	2	1	2	1	5
13	2	1	2	1	5
14	2	1	0	1	5
15	1	1	3	1	5
16	1	1	3	1	5
17	1	1	3	1	4
18	1	2	3	1	4
19	1	2	3	1	4
20	1	2	1	1	4
21	1	2	1	1	1
22	1	2	1	1	2
23	1	0	2	1	3
24	1	1	2	1	3
25	1	1	2	4	3
26	1	1	2	4	3
27	1	1	3	3	3
28	1	1	3	2	3
29	1	1	3	2	3
30	1	1	3	2	3
31	1	..	3	1	..
Mean	1	1	2	2	4
Max.	2	2	3	4	5
Min.	1	0	0	1	1
A.F.	70	70	120	110	230

BUREAU OF IRRIGATION

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LOGAN CREEK NEAR UEHLING—Sec. 16-20-8 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45	80	40	55	40	70	83	60	49	58	78	42
2	47	84	40	55	40	70	80	61	47	53	65	70
3	47	62	40	55	40	70	81	65	46	50	57	46
4	46	56	40	55	40	70	74	73	46	49	52	44
5	44	57	40	55	40	70	72	66	46	48	50	44
6	44	56	40	55	40	35	69	65	45	47	48	62
7	44	53	40	55	40	35	70	72	45	46	48	79
8	44	55	40	55	40	35	72	60	44	45	48	89
9	44	52	40	55	40	35	71	57	44	50	47	68
10	44	54	40	55	40	35	72	58	44	48	81	56
11	44	40	40	55	40	35	72	59	50	47	800	52
12	44	45	40	55	40	35	70	58	48	46	600	51
13	213	45	40	55	40	35	68	57	46	45	263	50
14	135	50	40	55	40	500	67	56	45	44	105	53
15	63	50	40	55	40	2100	66	53	44	43	81	45
16	54	50	45	55	50	2210	65	51	46	42	73	44
17	54	50	45	55	500	350	64	50	131	41	66	42
18	56	50	45	55	1000	350	63	50	336	40	60	46
19	52	53	45	55	1400	350	62	49	105	96	56	40
20	50	53	45	55	300	350	63	49	69	48	53	39
21	51	54	45	40	70	350	61	50	65	42	50	38
22	48	50	45	40	70	350	62	48	78	42	48	37
23	50	40	45	40	70	350	71	50	115	40	46	36
24	54	35	45	40	70	105	71	53	290	40	44	50
25	53	40	45	40	70	97	72	51	150	44	43	45
26	51	60	45	40	70	95	123	51	93	50	42	44
27	51	60	45	40	1400	93	80	48	144	47	47	43
28	50	60	45	40	5510	96	66	47	102	46	54	42
29	51	60	45	40	800	97	59	46	83	73	51	41
30	52	60	45	40	...	87	58	48	67	1500	44	40
31	85	45	45	40	85	85	50	50	67	2250	42	40
Mean	58	54	43	50	413	279	71	55	85	101	105	49
Max.	213	84	45	55	5510	2210	123	73	336	1500	800	89
Min.	44	35	40	40	40	35	58	46	44	40	42	36
A.F.	3550	3200	2620	3050	23760	17150	4220	3390	5080	6220	6430	2930
Total acre-feet 81600.												

LONG PINE CREEK NEAR RIVERVIEW—Sec. 5-31-20 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	111	96	98	96	89
2	0	0	0	0	0	0	0	111	95	100	98	91
3	0	0	0	0	0	0	0	110	95	95	100	90
4	0	0	0	0	0	0	0	104	95	98	96	88
5	0	0	0	0	0	0	0	106	95	98	94	89
6	0	0	0	0	0	0	110	111	95	96	94	87
7	0	0	0	0	0	0	0	106	95	94	98	93
8	0	0	0	0	0	0	0	109	93	94	95	90
9	0	0	0	0	0	0	0	111	93	95	93	88
10	0	0	0	0	0	0	0	114	96	96	100	87
11	0	0	0	0	0	0	129	117	104	94	100	87
12	0	0	0	0	0	0	130	114	145	117	107	83
13	0	0	0	0	0	0	129	104	117	116	99	83
14	0	0	0	0	0	0	130	106	104	109	94	81
15	0	0	0	0	0	0	126	103	104	104	95	81
16	0	0	0	0	0	0	124	99	104	106	95	79
17	0	0	0	0	0	0	120	96	110	104	93	83
18	0	0	0	0	0	0	120	96	116	107	90	86
19	0	0	0	0	0	0	117	95	118	106	89	81
20	0	0	0	0	0	0	114	95	120	104	89	78
21	0	0	0	0	0	0	111	94	114	102	88	79
22	0	0	0	0	0	0	111	94	116	103	88	79
23	0	0	0	0	0	0	109	107	110	100	87	125
24	0	0	0	0	0	0	114	102	110	100	88	100
25	0	0	0	0	0	0	114	98	110	102	89	95
26	0	0	0	0	0	0	110	96	105	100	86	94
27	0	0	0	0	0	0	109	96	105	100	89	89
28	0	0	0	0	0	0	109	96	105	99	89	91
29	0	0	0	0	0	0	109	98	100	99	88	80
30	0	0	0	0	0	0	111	96	98	93	87	88
31	0	0	0	0	0	0	0	96	98	94	86	88
Mean	0	0	0	0	0	0	117	103	105	101	93	88
Max.	0	0	0	0	0	0	130	117	145	117	107	125
Min.	0	0	0	0	0	0	109	94	93	93	86	78
A.F.	0	0	0	0	0	0	4650	6330	6270	6190	5710	5240
Total acre-feet 34390.												

REPORT OF THE STATE ENGINEER

LOUP RIVER NEAR GENOA—Sec. 25-17-4 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	85	182	1350	1300	2300	76	101	22	110	259	110
2	50	85	141	580	1300	2300	82	92	21	110	194	110
3	50	85	138	320	1300	2300	89	105	19	110	959	110
4	50	85	785	240	1350	2300	96	91	13	110	822	110
5	50	85	1890	310	1400	2300	107	79	18	110	350	110
6	50	60	1000	510	1450	2300	119	94	18	80	75	110
7	50	70	597	1500	1400	2300	128	84	17	80	75	110
8	50	63	2000	2350	1400	2300	111	79	15	80	75	92
9	50	82	2050	2550	1400	2300	100	79	15	80	75	100
10	50	82	1900	2950	1400	2300	89	81	15	85	75	92
11	60	81	1450	3370	1250	2300	79	73	15	67	75	76
12	60	47	1100	2700	1250	2300	68	67	55	40	840	70
13	60	64	1050	1950	1100	2300	60	60	42	49	7190	56
14	60	64	780	1550	1150	2300	61	55	34	56	5070	60
15	60	76	520	970	1200	12000	64	49	31	55	7260	53
16	50	76	578	980	1250	20000	65	44	30	53	4370	60
17	50	70	661	780	2000	18000	70	38	4500	41	991	77
18	50	71	385	910	3600	8000	71	35	1200	51	380	87
19	50	65	449	1150	4050	5000	74	31	600	122	150	101
20	50	76	604	1000	4900	3000	79	29	500	704	150	77
21	70	68	604	990	3050	2000	84	29	200	92	150	71
22	70	577	721	1200	2300	1500	91	28	4680	46	150	122
23	70	2010	924	780	1800	1000	101	32	4510	44	150	116
24	70	1810	752	720	1450	584	111	34	2160	56	150	109
25	70	1690	604	1000	1250	390	128	29	1710	68	150	101
26	85	578	564	1200	1250	241	138	26	862	50	90	84
27	85	401	571	740	2200	171	146	24	10300	76	90	47
28	85	471	416	1200	14000	122	131	23	5180	94	90	40
29	85	248	427	1250	25000	89	118	21	1360	3080	90	33
30	85	201	1400	1300	....	67	109	25	210	4910	90	24
31	85	....	2350	1350	....	71	....	24	....	752	90	....
Mean	62	318	888	1282	3026	3360	95	54	1270	369	991	84
Max.	205	2010	2350	3370	25000	20000	146	105	10300	4910	7260	122
Min.	50	47	136	240	1100	67	60	21	15	40	75	24
A. F.	3790	18890	54290	78840	174000	207100	5640	3290	76080	22690	60940	4990

Total acre-feet 710540.

LOUP RIVER AT COLUMBUS—Sec. 30-17-1 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	148	190	294	1030	1500	7090	320	282	151	390	846	203
2	148	219	274	493	1500	3680	347	278	153	298	408	212
3	156	209	266	316	1450	2830	361	385	158	290	428	196
4	156	203	480	316	1400	2180	352	307	151	274	1410	181
5	153	206	1360	307	1450	2280	347	278	151	244	564	178
6	143	181	820	282	1500	2030	356	356	156	229	347	178
7	143	196	401	347	1550	1880	338	320	156	229	320	164
8	151	178	990	1210	1500	1690	338	290	130	244	278	173
9	170	190	1880	2110	1500	1740	338	274	125	286	302	178
10	153	209	1830	2930	1550	1940	324	274	135	333	298	190
11	158	222	1760	2890	1400	1370	316	219	135	282	380	184
12	203	206	1470	2560	1400	1450	307	266	254	244	469	190
13	173	196	1170	2050	1250	1560	278	266	193	216	5490	161
14	156	187	1010	1720	1300	2370	282	258	164	219	4100	156
15	161	176	755	1540	1400	8740	316	236	170	226	6180	153
16	153	193	685	1220	1400	20900	294	226	200	193	5400	138
17	158	184	846	1170	1550	20600	282	206	2830	203	2660	140
18	145	203	577	1040	3600	10200	286	216	2780	216	898	143
19	156	200	475	1080	4500	6900	282	193	700	247	481	156
20	158	193	531	1340	4800	4620	282	190	557	475	338	173
21	151	181	544	1210	3900	3170	282	193	298	434	324	148
22	148	493	678	1490	2600	2110	311	181	538	236	290	170
23	176	1720	731	1350	2300	1530	286	176	4430	193	251	187
24	203	1820	1000	1450	2050	1150	270	262	2200	181	258	196
25	203	1660	838	1550	1850	838	290	212	1280	187	251	193
26	193	1070	829	1900	2100	715	294	258	1660	187	247	196
27	176	538	838	1600	3950	445	266	190	11000	170	233	193
28	173	670	723	1250	14400	475	290	187	8400	181	216	158
29	181	385	700	1150	24700	418	286	164	1730	2680	206	138
30	187	329	675	1150	....	356	320	176	570	7870	206	123
31	181	....	2250	1300	....	333	....	148	....	1600	206	....
Mean	165	427	893	1334	3288	3793	308	241	1385	621	1106	172
Max.	203	1820	2250	2930	24700	20900	361	385	11000	7870	6180	212
Min.	143	176	266	282	1250	333	266	148	125	170	206	123
A. F.	10140	25400	54900	82020	189190	233200	18330	14810	82420	38200	65000	10210

Total acre-feet 826730.

BUREAU OF IRRIGATION

LOUP RIVER, MIDDLE, AT DUNNING—Sec. 33-22-24 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	367	391	409	379	320	400	391	364	352	309	336	347
2	376	355	415	391	320	385	394	373	344	312	370	347
3	388	355	391	406	340	403	403	370	347	317	403	338
4	373	385	370	391	350	391	434	373	385	322	373	330
5	364	355	373	406	390	370	406	370	388	322	350	358
6	361	376	376	400	410	364	418	336	367	320	355	434
7	361	352	352	453	400	364	440	350	344	325	364	394
8	352	338	373	466	240	364	373	370	333	336	361	391
9	350	364	350	456	320	361	379	376	336	350	361	367
10	347	352	350	437	280	361	400	333	330	347	367	358
11	352	379	358	434	150	150	400	338	330	344	382	373
12	333	370	355	428	170	200	376	358	333	350	421	385
13	314	367	355	403	230	350	358	367	330	367	403	376
14	317	400	327	403	360	456	367	373	336	388	355	358
15	344	370	341	437	410	409	367	367	344	394	364	347
16	344	341	338	428	450	418	397	360	336	385	352	341
17	355	364	350	400	380	421	364	336	367	388	347	355
18	364	397	350	412	410	440	370	338	355	466	338	358
19	367	421	358	421	450	450	379	341	322	447	341	370
20	373	444	344	453	437	466	361	347	344	385	350	382
21	388	350	373	463	424	440	352	350	347	367	341	370
22	403	250	352	440	420	400	381	352	347	367	341	352
23	400	300	355	428	424	406	370	394	347	358	341	370
24	388	330	376	444	437	424	403	370	327	350	333	361
25	394	341	347	469	447	444	400	333	325	344	322	350
26	379	352	361	456	456	437	370	325	333	350	350	344
27	391	355	367	260	476	364	338	327	336	350	370	333
28	406	355	364	210	424	364	367	338	333	373	358	341
29	403	409	358	240	406	388	358	333	325	421	352	350
30	424	391	376	270	...	418	364	344	317	382	347	370
31	415	...	367	320	...	406	...	347	...	344	352	...
Mean	371	364	362	400	370	388	381	353	342	361	358	362
Max.	424	444	415	469	476	466	440	394	388	466	421	434
Min.	314	250	327	210	150	150	338	325	317	309	322	330
A.F.	22800	21640	22280	24600	21280	23830	22670	21710	20350	22180	22020	21520

Total acre-feet 266880.

LOUP RIVER, MIDDLE, AT WALWORTH—Sec. 1-19-20 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	670	840	752	680	940	800	654	905	678	678	702	630
2	678	849	795	690	940	800	646	858	686	622	786	662
3	736	840	795	690	740	810	761	858	686	622	813	702
4	761	985	786	770	740	720	858	840	686	646	822	694
5	770	985	786	870	780	740	905	831	752	654	702	702
6	795	858	800	1030	780	770	945	885	752	654	670	935
7	804	727	810	1180	780	760	813	876	702	654	686	905
8	786	702	750	1040	720	750	761	858	694	718	718	752
9	727	662	790	810	660	650	885	786	678	761	638	744
10	761	710	790	810	760	430	965	778	678	710	638	686
11	710	813	790	840	640	340	813	678	654	670	702	662
12	744	736	790	790	630	500	804	670	670	630	822	638
13	694	727	790	800	630	820	840	761	670	622	885	608
14	694	867	800	750	620	1210	804	702	646	670	736	608
15	752	744	790	680	920	1220	710	702	654	727	867	608
16	813	694	790	670	1170	1130	778	702	662	710	744	592
17	849	694	830	530	1320	1160	849	630	836	744	694	592
18	831	770	800	550	1230	1040	965	600	778	1030	678	608
19	813	849	790	630	1200	876	876	638	646	1020	670	608
20	770	849	800	690	1010	915	876	654	752	840	686	702
21	770	840	800	690	880	885	813	694	736	718	662	678
22	813	810	790	680	860	905	849	702	813	727	662	678
23	766	810	810	590	1000	895	895	831	1130	670	638	813
24	727	840	810	390	1010	945	1030	822	925	646	630	858
25	786	890	870	570	960	1010	975	752	895	630	630	795
26	727	850	900	640	1030	996	905	744	885	630	646	778
27	761	820	830	550	960	849	752	718	975	630	670	778
28	778	718	860	530	990	744	849	694	795	678	638	752
29	876	778	770	550	890	744	885	662	710	985	608	744
30	985	770	760	760	...	761	915	646	678	795	562	744
31	915	...	760	900	...	710	...	654	...	718	608	...
Mean	777	801	799	721	889	835	846	746	750	716	698	709
Max.	985	985	900	1190	1320	1220	1030	905	1130	1030	885	935
Min.	670	662	750	390	620	340	646	600	646	622	592	592
A.F.	47770	47660	49150	44350	51150	51340	50330	45880	44640	44050	42930	42160

Total acre-feet 561410.

REPORT OF THE STATE ENGINEER

LOUP RIVER, MIDDLE, AT ARCADIA—Sec. 26-17-16 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	676	730	812	260	810	860	795	779	574	646	668	406
2	691	795	838	490	760	840	830	730	514	638	856	401
3	676	873	856	740	800	840	910	638	527	610	1020	434
4	676	985	610	900	790	860	985	631	527	646	1020	452
5	602	985	570	1000	700	860	947	795	547	646	882	452
6	653	956	710	910	770	800	1000	812	588	574	856	470
7	714	882	750	1040	770	800	1040	661	567	521	856	638
8	714	830	610	1130	650	800	1020	714	508	514	882	595
9	754	646	580	1100	620	750	873	830	477	554	956	527
10	754	787	590	1000	610	680	873	787	470	560	779	534
11	730	873	610	1100	640	600	830	554	489	489	691	495
12	795	821	680	950	660	500	746	588	699	489	804	470
13	754	919	680	1000	500	500	714	617	588	501	985	477
14	754	882	720	670	490	1100	691	646	574	489	1020	495
15	787	1010	780	710	630	1600	750	631	595	541	975	489
16	830	830	780	730	900	1500	800	617	595	527	956	470
17	787	779	840	700	1600	1400	850	521	972	527	730	477
18	754	787	830	530	1900	1200	900	446	928	661	699	470
19	706	771	850	500	1300	1200	900	429	779	891	706	495
20	699	763	720	640	800	1100	821	418	891	714	699	541
21	725	700	690	580	770	1000	779	406	873	588	668	631
22	725	650	640	580	770	1000	771	412	1370	554	646	581
23	725	530	690	560	830	900	763	501	1020	595	631	588
24	725	750	780	470	870	900	873	547	856	567	534	646
25	725	980	930	340	930	850	882	567	676	527	470	624
26	725	1050	1060	380	1100	850	821	501	574	495	446	638
27	725	1010	1100	580	1400	850	847	473	668	452	462	624
28	725	928	1040	560	1350	800	771	440	653	441	452	624
29	699	873	890	550	1080	754	763	458	699	1010	458	624
30	738	901	660	580	...	882	746	691	631	910	423	602
31	754	...	380	650	...	830	...	638	...	714	412	...
Mean	725	843	751	707	890	916	843	596	681	600	730	532
Max.	830	1050	1100	1130	1900	1600	1040	830	1370	1010	1020	646
Min.	602	530	380	260	490	500	691	406	470	441	412	401
A.F.	44620	50130	46170	43460	51170	56340	50160	36670	40520	36870	44890	31680

Total acre-feet 532680.

LOUP RIVER, MIDDLE, AT ST. PAUL—Sec. 10-14-10 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	981	1110	1360	820	590	3080	1170	1030	971	991	2060	562
2	971	1080	1320	740	640	1640	1200	1050	816	835	2240	562
3	863	1030	1260	720	730	1530	1040	1280	702	797	2300	569
4	816	1120	970	930	840	1580	971	1090	671	762	1550	562
5	788	1360	640	1560	880	1380	1080	961	671	719	1370	537
6	762	1290	590	2310	910	1330	1020	1150	671	719	1240	543
7	727	1280	650	2460	880	1040	1090	1190	771	687	1140	604
8	844	1280	710	1710	840	890	1090	931	931	632	1360	788
9	863	1190	710	1720	880	860	1040	825	762	702	1410	941
10	780	1150	700	1410	880	670	961	853	671	762	1310	780
11	727	1040	660	1400	570	670	1010	1010	640	719	1150	736
12	788	1120	750	1290	620	690	1060	921	727	702	1490	687
13	844	981	800	1150	770	750	1080	844	835	694	3720	655
14	911	1030	880	910	820	860	1020	736	941	710	2070	663
15	863	951	1020	770	700	3500	1010	736	806	648	2300	625
16	788	941	1060	560	750	16000	911	727	762	863	1820	576
17	816	921	1120	540	1030	10900	911	727	991	702	1880	550
18	882	1120	1150	560	1400	5200	921	679	1690	814	1330	556
19	891	1140	1130	620	2190	3440	951	625	1320	3110	1280	569
20	931	1160	1080	650	2030	3180	961	556	1320	1840	951	576
21	941	1220	1140	680	1660	2530	1080	543	1510	1290	882	611
22	835	1290	1100	940	1450	1930	1020	531	4130	981	853	655
23	901	1090	1080	990	1340	1780	951	597	2830	806	816	702
24	1010	970	1240	990	1150	1560	921	645	2140	754	788	687
25	1030	980	1300	930	1170	1580	1040	710	1860	687	663	727
26	981	1130	1330	810	1700	1560	1190	780	2610	679	590	806
27	1080	1370	1380	630	4000	1480	1120	788	7460	632	618	797
28	1060	1160	1800	710	9000	1310	1190	745	4680	820	671	745
29	951	1340	1780	700	6000	1160	1030	727	2220	3980	648	745
30	991	1380	1430	620	...	1060	941	911	1360	3620	645	745
31	941	...	870	690	...	1160	...	991	...	2720	604	...
Mean	889	1141	1065	1018	1601	2461	1033	835	1616	1128	1347	662
Max.	1080	1380	1800	2460	9000	16000	1200	1280	7460	3980	3720	941
Min.	727	921	590	540	570	670	911	531	640	620	590	537
A.F.	54660	67880	65470	62580	92070	151300	61450	51360	96140	69380	82810	39390

Total acre-feet 894490.

BUREAU OF IRRIGATION

575

LOUP RIVER, MIDDLE, NEAR SENECA—Sec. 17-24-31 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	204	176	176	194	178
2	194	181	174	210	171
3	191	184	168	204	168
4	188	215	174	188	164
5	181	191	178	191	171
6	176	186	176	184	174
7	176	184	178	191	168
8	176	184	184	194	154
9	168	176	184	188	152
10	176	181	184	186	154
11	176	184	181	188	161
12	181	196	174	199	168
13	184	194	186	186	166
14	178	196	184	188	168
15	174	191	188	188	174
16	171	184	191	191	176
17	171	204	186	191	178
18	171	199	210	188	181
19	174	188	191	191	181
20	178	196	194	194	181
21	174	194	196	188	174
22	213	176	207	194	186	178
23	218	199	194	178	181	194
24	224	184	188	184	181	186
25	218	178	191	184	178	181
26	207	178	194	184	171	166
27	199	176	188	184	171	161
28	207	176	181	184	171	168
29	202	176	184	196	174	174
30	207	178	181	186	174	178
31	171	...	186	176	...
Mean	211	179	190	184	187	172
Max.	224	204	215	210	210	194
Min.	199	168	176	168	171	152
A. F.	3760	11020	11290	11340	11470	10210

Total acre-feet 59090.

LOUP RIVER, NORTH, AT BREWSTER—Sec. 28-23-22 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	322	337	376	250	320	300	384	360	304	311	293	249
2	322	341	392	330	300	290	372	352	293	308	304	255
3	322	345	388	410	300	310	360	349	283	304	315	259
4	330	376	384	442	290	270	368	333	283	297	330	262
5	315	352	384	392	320	270	413	341	341	293	293	262
6	286	355	408	413	320	280	376	376	311	286	293	293
7	286	360	400	392	310	290	421	380	276	279	341	297
8	290	360	350	392	300	250	364	345	276	293	318	304
9	290	345	340	360	330	250	326	352	276	290	279	290
10	290	345	310	384	320	210	333	364	276	290	293	279
11	293	368	340	360	150	150	341	364	290	290	315	272
12	293	372	360	392	180	230	330	360	297	286	318	266
13	293	368	370	384	380	310	322	356	283	272	315	266
14	304	372	370	384	480	450	315	352	290	279	315	279
15	304	376	370	396	500	380	315	333	283	279	315	276
16	311	360	370	396	750	376	311	330	283	304	300	269
17	308	360	360	413	800	368	311	315	372	304	276	266
18	293	349	350	360	830	345	315	311	368	372	272	276
19	300	364	390	270	650	352	308	308	368	345	276	276
20	304	408	430	280	490	352	311	311	372	337	279	311
21	286	360	390	250	290	376	293	297	376	315	300	304
22	290	320	358	230	310	376	297	311	404	315	269	300
23	290	320	388	190	360	380	300	356	421	304	259	356
24	300	350	384	170	370	376	337	356	380	293	255	364
25	311	400	392	130	340	376	330	330	380	293	255	356
26	308	352	417	100	350	408	364	293	388	283	255	308
27	311	421	404	150	360	388	333	286	396	290	262	308
28	311	417	400	200	310	368	333	279	388	293	266	300
29	318	392	370	240	320	376	318	293	356	333	255	304
30	322	368	330	280	...	392	315	297	337	337	252	308
31	341	...	330	310	...	392	...	311	...	311	249	...
Mean	305	364	375	311	391	390	337	332	332	303	288	290
Max.	341	421	430	442	830	450	421	380	421	372	341	364
Min.	286	320	310	100	150	150	293	279	276	272	249	249
A. F.	18730	21650	23080	19140	22470	20310	20060	20430	19740	18620	17690	17290

Total acre-feet 239210.

REPORT OF THE STATE ENGINEER

LOUP RIVER, NORTH, NEAR TAYLOR—Sec. 22-21-18 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	373	401	556	230	420	450	446	421	316	391	262	140
2	364	387	533	290	460	460	431	467	292	346	316	145
3	364	387	533	390	450	470	416	431	277	269	364	160
4	364	472	390	590	430	440	446	416	248	248	329	160
5	342	421	340	660	470	370	431	436	218	258	321	163
6	329	411	420	580	460	350	441	499	262	266	312	270
7	312	382	450	470	440	310	499	451	234	241	308	244
8	308	373	450	460	390	270	494	426	218	218	451	273
9	308	337	450	490	370	250	441	416	202	238	364	269
10	308	342	400	500	430	210	446	416	208	252	346	258
11	308	346	340	470	330	190	451	416	218	231	406	266
12	329	355	370	450	230	300	467	401	281	202	472	258
13	325	368	420	350	290	440	467	373	266	215	483	252
14	321	387	440	320	410	620	467	355	258	165	396	234
15	325	421	520	310	490	700	467	342	262	188	382	234
16	342	416	520	320	620	766	462	308	266	215	396	224
17	342	406	500	300	690	545	457	292	421	215	368	218
18	329	441	520	300	770	580	462	273	457	255	355	208
19	329	441	520	330	810	574	467	231	396	273	342	208
20	346	472	520	380	550	580	446	231	426	231	333	248
21	342	450	520	490	290	580	441	215	478	212	342	292
22	355	310	480	460	360	586	446	221	562	196	350	277
23	368	300	490	330	480	586	446	253	580	182	311	321
24	359	360	590	260	580	605	494	300	499	188	308	346
25	355	430	490	280	630	605	516	325	436	179	257	368
26	378	545	510	350	730	574	545	300	426	160	244	387
27	401	568	510	310	760	431	488	281	473	150	266	329
28	396	624	540	320	650	431	418	255	494	160	221	312
29	391	611	530	560	440	457	391	252	483	441	234	308
30	411	562	490	350	...	462	391	321	431	321	188	288
31	391	...	360	410	...	451	...	316	...	285	155	...
Mean	349	424	471	391	498	472	456	343	353	238	328	255
Max.	411	624	556	660	810	766	545	499	580	441	483	387
Min.	308	300	340	230	230	190	391	215	202	150	155	140
A.F.	21450	25240	28980	24020	28620	29040	27130	21110	21010	14660	20200	15190

Total acre-feet 276650.

LOUP RIVER, NORTH, AT SCOTIA—Sec. 8-17-12 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	681	720	856	360	710	1400	889	710	663	834	812	280
2	672	801	867	270	760	1200	878	730	627	770	1130	235
3	672	823	867	400	750	980	823	770	576	720	1190	280
4	690	960	860	690	750	990	801	730	592	600	780	249
5	700	1080	510	1130	680	840	760	681	552	592	672	253
6	681	1020	680	1310	680	750	710	878	513	600	645	271
7	672	972	790	1220	710	760	740	834	492	552	730	424
8	654	924	790	1400	690	880	780	750	513	528	710	560
9	645	900	770	1450	650	840	750	730	464	828	710	592
10	618	900	710	1210	650	650	720	740	424	552	672	560
11	600	889	690	1060	570	400	740	760	430	506	912	576
12	627	845	730	1000	610	520	780	710	568	499	1820	560
13	654	845	850	780	520	770	845	645	568	471	2000	552
14	663	845	1070	550	570	2400	856	584	568	464	1010	520
15	672	889	1140	510	660	3800	856	560	560	444	2080	506
16	672	878	1220	470	940	2400	812	560	2700	418	1110	478
17	645	834	1400	400	1500	1510	760	552	4520	444	801	457
18	645	867	1400	600	1800	1270	780	499	1110	506	720	457
19	672	889	1440	800	1800	1200	790	464	845	584	681	457
20	681	936	1410	950	1400	1100	780	418	996	568	645	450
21	672	900	1330	830	1200	1020	801	385	1080	536	609	485
22	654	800	1140	890	960	972	812	404	1820	492	609	528
23	663	780	990	780	780	960	820	492	1600	485	592	568
24	672	770	1010	630	830	948	850	560	1190	478	520	600
25	672	823	1060	430	890	980	900	568	984	450	471	592
26	645	948	1150	540	1300	1070	880	600	948	392	464	636
27	681	823	1180	640	3800	984	867	609	1140	315	471	663
28	700	856	1100	670	4500	878	912	552	936	266	492	609
29	700	900	960	560	1600	801	750	544	900	1040	457	592
30	972	889	890	640	...	867	681	663	889	812	404	609
31	960	...	540	690	...	924	...	690	...	654	355	...
Mean	684	877	981	771	1147	1130	804	625	992	561	815	487
Max.	972	1080	1440	1450	4500	3800	912	878	4520	1040	2080	663
Min.	600	720	510	270	520	400	681	385	424	266	355	235
A.F.	42060	52180	60300	47420	65970	69510	47870	38420	59040	34510	50130	28960

Total acre-feet 596370.

BUREAU OF IRRIGATION

577

LOUP RIVER, NORTH, NEAR ST. PAUL—Sec. 22-15-10 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	724	850	990	170	710	1650	1060	780	585	930	940	347
2	742	870	1000	210	740	1150	1030	780	553	830	1340	259
3	751	890	940	310	800	1100	1000	800	513	751	1730	235
4	751	940	660	750	840	1000	1000	830	482	662	1090	230
5	715	1000	410	1050	870	960	1000	780	452	619	790	202
6	662	1050	380	1200	870	890	950	840	452	569	715	196
7	653	1010	560	1150	860	810	920	960	452	545	770	218
8	636	980	600	1150	870	920	930	850	445	553	1100	452
9	636	930	730	1250	800	880	860	770	423	1030	770	529
10	636	890	830	1250	640	730	860	760	354	1020	760	569
11	636	850	850	1150	540	620	760	760	308	577	724	569
12	636	890	860	1100	540	550	760	706	452	537	2990	569
13	653	890	900	1000	480	690	780	644	505	513	3770	553
14	662	890	970	790	480	2100	800	594	561	490	2460	513
15	670	910	1100	740	530	5550	810	561	553	468	3620	475
16	715	890	1100	650	640	4040	770	545	1170	445	2090	468
17	715	860	1050	600	1150	2740	742	529	7530	445	1270	452
18	715	860	1000	540	1800	1840	742	490	2140	513	960	445
19	697	870	1050	500	1550	1520	742	452	1220	553	751	430
20	715	910	1050	540	1400	1280	724	430	1220	585	715	409
21	715	1030	1100	640	1300	1250	742	381	1600	529	670	388
22	715	970	1150	620	1300	1200	760	367	2280	475	653	482
23	715	760	1200	640	1100	1150	760	423	1860	430	644	561
24	706	730	1350	590	1000	1100	697	529	1500	438	628	577
25	706	710	1300	490	1050	1040	890	529	1260	438	521	602
26	706	910	1400	480	1100	1170	910	569	1800	416	505	636
27	706	900	1450	520	3700	1100	860	610	2440	402	529	670
28	715	880	1450	650	5200	1030	940	594	1270	361	505	697
29	742	970	1450	680	2600	970	880	569	1100	1710	505	644
30	780	1000	1250	630	....	1010	800	636	1020	1350	460	602
31	1190	....	760	680	....	1080	....	670	....	860	402	....
Mean	713	903	993	733	1223	1391	849	637	1216	647	1141	466
Max.	1190	1050	1450	1250	5200	5550	1060	960	7530	1710	3770	697
Min.	636	710	380	170	480	550	697	367	308	361	402	196
A.F.	43870	53730	61070	45060	70330	85530	50540	39150	72360	39760	70170	27730

Total acre-feet 659300.

LOUP RIVER, SOUTH OF CUMRO—Sec. 4-12-18 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	121	131	162	180	130	238	162	144	125	130	144	104
2	121	130	166	180	130	236	155	144	122	125	180	100
3	121	128	166	180	130	225	149	142	121	122	189	100
4	122	138	170	180	130	227	149	140	119	121	161	101
5	118	142	170	180	130	232	149	140	118	117	146	100
6	118	144	170	180	130	229	149	142	121	115	137	105
7	118	140	170	180	130	223	152	138	121	114	148	111
8	115	138	180	180	130	221	149	137	119	112	236	114
9	119	137	170	244	130	219	146	136	115	122	172	116
10	121	140	175	198	130	160	146	134	119	131	144	118
11	122	140	170	156	130	150	148	134	112	128	138	110
12	124	140	140	154	130	140	149	132	121	124	156	107
13	124	140	140	148	130	140	149	131	121	119	181	103
14	124	140	150	143	130	160	149	128	121	119	149	100
15	126	140	150	140	130	1140	150	125	121	121	212	95
16	130	138	140	125	200	800	148	122	121	125	172	90
17	126	138	130	122	200	500	148	118	122	126	137	90
18	122	143	130	130	200	400	148	117	122	518	128	95
19	125	149	130	130	200	350	150	114	118	611	120	98
20	119	154	130	160	300	310	144	112	126	270	116	100
21	121	150	120	181	300	270	148	111	146	154	112	102
22	124	150	130	160	300	240	149	111	461	136	110	104
23	128	150	130	160	300	220	150	112	229	125	108	104
24	128	160	140	160	300	207	154	112	164	117	106	105
25	128	150	140	160	300	207	156	111	138	111	105	107
26	128	158	160	160	385	210	152	110	154	110	108	105
27	130	156	170	130	531	196	152	105	208	105	121	107
28	126	155	183	130	335	180	150	105	160	104	114	107
29	130	156	176	130	260	173	149	105	144	902	110	110
30	131	156	176	130	....	167	148	138	137	354	105	110
31	131	....	170	130	....	168	....	136	....	168	104	....
Mean	124	144	155	159	211	275	150	125	145	189	141	104
Max.	131	160	188	244	581	1140	162	144	461	902	236	118
Min.	115	128	120	122	....	140	144	105	112	104	104	90
A.F.	7620	8590	9540	9760	12130	16930	8920	7710	8620	11620	8670	6180

Total acre-feet 116290.

REPORT OF THE STATE ENGINEER

LOUP RIVER, SOUTH, AT RAVENNA—Sec. 17-12-14 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	126	146	178	140	140	350	214	177	194	181	160	100
2	126	150	178	120	150	210	206	175	173	153	212	100
3	126	154	178	140	160	230	194	172	145	145	423	93
4	126	156	178	190	160	180	185	170	137	137	190	93
5	126	158	178	240	160	140	182	168	137	126	168	94
6	125	158	179	230	170	142	178	167	141	123	153	96
7	123	158	179	220	170	150	178	166	160	119	156	100
8	122	158	178	210	170	150	178	164	135	120	366	100
9	123	158	160	260	160	158	179	161	124	128	354	103
10	124	159	100	200	150	114	180	159	123	136	181	110
11	127	159	120	150	170	110	180	157	126	136	241	113
12	130	160	140	110	180	110	182	154	140	132	245	106
13	130	160	150	85	110	110	184	152	173	127	1070	103
14	132	160	160	95	130	150	186	150	141	126	354	100
15	134	162	150	120	160	2200	188	148	141	129	648	87
16	136	164	150	110	190	3500	188	145	130	134	456	85
17	136	166	170	100	250	1310	188	142	150	141	207	87
18	136	166	170	100	250	650	188	140	178	1100	152	87
19	134	167	170	95	240	530	188	138	148	1690	132	93
20	134	168	180	110	250	440	187	137	195	477	128	100
21	134	170	180	120	250	380	186	136	250	266	123	106
22	134	172	180	110	180	345	185	135	839	173	121	103
23	134	174	180	120	160	310	183	133	497	141	119	103
24	134	176	170	120	190	280	181	132	271	130	118	110
25	134	176	180	120	220	265	181	131	181	122	116	110
26	136	176	180	120	240	260	181	130	181	114	116	103
27	137	176	190	120	450	254	181	129	2560	110	141	98
28	138	176	190	130	600	242	181	128	555	106	134	98
29	139	177	190	130	450	234	180	129	266	1380	126	103
30	140	178	190	130	...	226	179	181	217	578	110	107
31	142	...	200	140	...	220	...	207	...	245	110	...
Mean	132	165	170	141	216	450	185	152	294	288	236	997
Max.	142	178	200	260	600	3500	214	207	2560	1690	1070	113
Min.	122	146	100	85	110	110	178	128	123	106	110	85
A.F.	8090	9790	10460	8700	12420	27670	11010	9350	17470	17700	14540	5930

Total acre-feet 153130.

LOUP RIVER, SOUTH, AT ST. MICHAEL—Sec. 12-11-13 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	146	162	198	210	190	766	285	219	219	351	542	116
2	144	162	190	230	210	418	261	211	196	214	696	114
3	144	162	188	200	220	395	244	233	180	178	625	114
4	151	193	190	240	230	270	216	233	171	166	391	114
5	148	186	220	260	230	216	216	203	171	157	307	106
6	146	186	190	280	230	230	211	222	171	146	261	118
7	142	193	190	260	230	233	206	214	341	142	244	122
8	148	193	170	230	230	250	216	214	183	137	340	131
9	146	188	120	270	230	252	216	200	153	140	418	133
10	144	193	110	300	220	164	208	200	144	142	467	131
11	144	193	110	270	220	160	219	200	140	144	394	125
12	140	193	110	230	230	160	227	196	176	144	347	125
13	142	196	160	170	210	180	233	198	203	146	1120	120
14	142	198	170	140	190	225	225	198	188	146	844	116
15	148	200	180	170	210	2590	225	190	173	146	947	114
16	151	200	180	140	280	5840	225	190	169	142	874	104
17	151	203	190	140	350	3640	225	183	203	137	546	101
18	146	198	200	140	500	1910	209	171	225	770	488	101
19	146	200	200	130	480	1010	208	164	198	2050	298	106
20	148	206	220	140	500	745	208	155	236	982	225	112
21	140	214	240	190	430	575	211	155	337	450	199	118
22	144	214	240	180	340	490	211	148	907	250	178	118
23	148	219	230	170	270	414	211	155	844	214	157	127
24	142	222	240	170	220	376	211	148	820	173	148	127
25	142	230	250	150	250	334	214	151	590	153	137	131
26	142	225	240	140	280	330	216	151	471	142	131	116
27	142	208	250	140	1100	323	208	148	2330	131	140	120
28	146	190	250	170	1570	301	214	151	1570	125	140	120
29	146	190	260	170	1150	285	214	146	796	1380	140	122
30	148	190	240	170	...	285	214	216	537	1280	129	125
31	148	...	170	170	...	285	...	227	...	796	122	...
Mean	145	197	197	193	379	763	220	187	435	377	385	118
Max.	151	230	260	300	1570	5840	285	233	2330	2050	1120	133
Min.	140	162	110	130	190	160	206	146	140	125	122	101
A.F.	8940	11720	12090	11840	21820	46910	13100	11480	25870	23160	23670	7040

Total acre-feet 217640.

BUREAU OF IRRIGATION

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MEDICINE CREEK AT CAMBRIDGE—Sec. 19-4-25 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	53	65	20	55	58	63	55	64	83	94	57
2	43	57	64	20	55	42	62	56	62	80	89	77
3	48	57	62	45	60	63	58	66	58	70	200	45
4	50	64	36	120	55	40	60	56	54	64	152	43
5	50	62	33	80	50	35	60	54	51	60	80	42
6	50	66	51	80	55	80	59	54	50	56	70	46
7	48	61	63	75	60	75	57	53	45	52	63	50
8	46	62	63	70	45	100	59	53	42	52	60	50
9	49	65	54	75	35	100	59	52	42	61	58	50
10	48	65	56	70	35	45	57	51	46	64	60	50
11	46	62	50	65	35	25	57	52	50	61	58	47
12	47	66	45	40	30	45	59	52	366	57	53	46
13	48	65	50	20	30	65	59	52	152	59	62	44
14	48	67	55	25	35	80	56	52	102	62	86	41
15	51	69	65	25	45	1000	54	51	129	85	80	39
16	53	68	65	30	70	1520	55	49	70	92	58	36
17	51	65	65	20	90	465	54	48	65	102	52	37
18	53	65	60	25	100	199	54	46	62	98	47	38
19	53	65	70	40	85	126	53	46	58	77	44	39
20	53	71	70	40	70	102	53	46	70	67	41	40
21	53	64	75	65	75	91	54	45	6800	60	40	40
22	50	39	85	70	75	84	55	45	3220	58	39	41
23	51	69	85	70	110	80	54	44	150	53	36	41
24	51	84	70	35	120	73	57	43	545	54	35	43
25	53	84	65	45	80	71	60	42	85	53	33	42
26	56	78	60	65	160	73	58	42	118	90	46	42
27	57	66	60	55	164	85	57	42	1070	76	123	42
28	57	65	70	35	93	115	56	42	1910	62	109	42
29	85	66	65	45	74	75	56	43	151	1170	56	43
30	57	64	35	40	..	64	55	111	93	226	48	43
31	54	..	20	50	..	67	..	106	..	124	45	..
Mean	52	65	59	50	71	166	57	53	526	111	68	44
Max.	85	84	85	120	164	1520	63	111	6800	1170	290	77
Min.	43	39	20	20	30	25	53	42	42	52	33	36
A.F.	3180	3880	3630	3690	4060	10200	3390	3270	31300	6800	4200	2650

Total acre-feet 79650.

MELBETA DRAIN—Sec. 13-21-54 W.
Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	2	1	11	8	3
2	2	3	15	12	1
3	2	2	11	10	4
4	2	1	9	4	4
5	2	2	8	4	4
6	2	1	26	7	8
7	2	1	20	12	12
8	2	1	4	17	1
9	2	2	0	15	30
10	2	2	0	1	26
11	2	2	0	16	24
12	2	1	0	25	26
13	2	1	0	22	18
14	2	1	1	3	16
15	2	1	9	12	11
16	2	1	2	3	21
17	2	26	11	3	21
18	2	11	23	3	18
19	2	4	0	4	18
20	2	11	0	4	26
21	2	14	1	5	9
22	2	15	18	7	24
23	3	26	1	7	24
24	4	11	0	10	24
25	2	7	10	12	6
26	2	15	15	15	4
27	2	15	14	15	3
28	3	11	4	12	1
29	2	11	0	10	3
30	2	11	0	7	7
31	2	..	0	4	..
Mean	2	7	7	9	13
Max.	4	26	26	25	30
Min.	2	1	0	1	1
A.F.	130	420	420	570	790

REPORT OF THE STATE ENGINEER

MINNECHADUZA CREEK AT VALENTINE—Sec. 23-34-29 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	9	22	37	38	63	16	54	7	11
2	0	0	0	22	26	44	39	39	24	50	14	15
3	0	0	0	24	22	38	37	39	33	45	19	16
4	0	0	0	27	25	27	38	47	27	33	25	8
5	0	0	0	23	21	34	33	29	24	29	21	14
6	0	0	0	25	25	19	51	25	29	16	18	13
7	0	0	0	30	29	38	43	34	18	19	14	18
8	0	0	0	40	29	27	36	50	17	29	17	22
9	0	0	0	34	15	23	37	18	28	25	7	23
10	0	0	0	24	27	31	54	35	26	23	28	18
11	0	0	0	38	19	21	35	36	14	22	17	10
12	0	0	0	23	23	27	31	34	27	24	39	11
13	0	0	0	21	28	46	45	38	36	19	32	14
14	0	0	0	14	18	46	38	40	22	21	30	18
15	0	0	0	36	35	79	30	44	49	27	27	22
16	0	0	0	21	32	57	37	32	29	27	19	6
17	0	0	0	21	32	57	33	38	57	31	28	18
18	0	0	0	23	38	51	33	25	34	22	27	11
19	0	0	30	24	53	50	38	33	36	38	20	8
20	0	0	46	28	35	71	13	12	57	29	18	19
21	0	0	22	32	35	46	44	24	43	38	23	9
22	0	0	35	24	35	51	33	28	83	22	34	25
23	0	0	32	28	50	50	12	25	54	26	7	36
24	0	0	26	20	33	58	50	35	80	21	16	15
25	0	0	26	26	32	35	27	26	78	23	8	18
26	0	0	35	25	48	47	59	17	65	18	25	25
27	0	0	30	22	46	52	34	24	90	18	6	27
28	0	0	33	27	45	33	64	14	73	20	13	11
29	0	0	29	17	22	50	60	29	75	28	23	24
30	0	0	24	30	...	41	54	42	53	9	8	24
31	0	0	17	22	...	39	...	24	...	35	6	17
Mean	0	0	30	25	31	43	39	32	43	27	19	17
Max.	0	0	46	40	53	79	64	63	90	54	39	36
Min.	0	0	17	9	15	19	12	12	14	6	6	6
A.F.	0	0	764	1550	1780	2630	2330	1980	2570	1670	1180	1010

Total acre-feet 17460.

MUD CREEK NEAR SWEETWATER—Sec. 3-12-15 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	19	28	25	25	100	40	36	43	42	154	17
2	22	19	26	25	25	100	40	35	30	29	150	19
3	22	21	26	30	25	100	40	39	29	28	245	19
4	21	23	15	42	25	100	40	37	26	28	92	18
5	20	24	15	42	25	100	40	35	24	27	59	16
6	20	26	25	41	25	100	42	35	22	26	32	17
7	20	27	25	58	25	100	43	34	23	26	26	16
8	20	28	25	69	25	100	41	34	24	23	20	19
9	20	30	25	105	20	100	41	33	26	22	43	18
10	20	27	20	145	20	100	39	33	21	23	158	16
11	20	27	25	125	20	100	39	31	20	25	181	16
12	20	26	20	50	25	100	39	31	32	25	85	16
13	20	29	20	30	20	100	39	31	28	25	197	16
14	20	30	25	40	20	204	43	32	28	27	133	16
15	20	31	25	35	25	1590	43	30	25	26	305	14
16	20	31	25	30	42	2670	42	29	24	23	503	13
17	21	30	25	30	75	1880	41	27	27	23	332	14
18	21	31	24	20	100	760	41	26	35	179	312	16
19	19	31	30	20	115	270	40	26	48	210	92	16
20	19	34	34	25	70	177	37	25	35	225	52	16
21	19	33	33	30	49	120	36	23	52	108	38	17
22	20	28	33	25	45	90	36	22	60	60	32	17
23	20	22	33	25	50	76	36	21	262	42	27	17
24	20	22	34	25	35	57	36	20	352	30	21	19
25	20	33	33	15	35	50	36	21	244	29	18	18
26	20	34	33	20	60	50	37	21	117	27	17	19
27	19	30	34	20	292	50	41	20	595	23	22	17
28	19	27	32	20	877	50	47	20	314	29	22	17
29	19	28	36	20	774	50	37	19	60	401	22	17
30	20	26	25	20	...	50	36	71	45	494	20	16
31	19	...	20	20	...	50	...	52	...	334	17	...
Mean	20	28	27	40	102	308	40	31	89	85	111	17
Max.	22	34	36	145	877	2670	47	71	595	494	503	19
Min.	19	19	15	15	20	...	36	19	20	22	17	13
A.F.	1230	1640	1640	2430	5890	18920	2360	1880	5300	5230	6800	996

Total acre-feet 54320.

BUREAU OF IRRIGATION

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NEMAHA RIVER AT FALLS CITY—Sec. 22-1-16 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	45	50	60	25	520	194	178	84	170	63	34
2	36	61	50	55	30	276	172	430	75	81	1610	42
3	58	47	50	55	30	233	140	810	69	66	8270	40
4	35	45	212	70	30	107	128	294	63	1410	2860	40
5	34	39	165	75	30	110	116	224	58	4250	665	40
6	33	40	136	75	30	130	118	230	53	770	266	40
7	34	36	92	75	30	220	120	218	49	178	162	500
8	49	32	62	70	30	120	116	209	48	136	132	5030
9	34	35	35	75	35	85	113	168	44	109	105	1810
10	33	33	50	75	30	80	113	158	42	76	84	770
11	31	31	70	85	35	75	113	138	41	594	162	280
12	36	34	65	80	35	70	120	132	39	262	358	156
13	34	35	60	80	35	65	113	124	36	212	457	126
14	33	40	100	60	30	85	97	122	34	178	2200	122
15	33	38	90	55	50	140	97	126	45	98	625	55
16	31	47	80	55	80	394	59	114	153	56	230	48
17	31	45	70	55	110	2490	89	98	113	40	145	45
18	31	48	55	50	260	3010	87	94	104	39	120	41
19	31	43	60	45	430	10200	102	90	142	2370	95	32
20	31	42	50	50	120	5360	107	84	138	3360	87	32
21	31	50	50	50	80	1740	86	81	312	402	76	31
22	31	53	72	35	80	800	182	80	230	224	62	30
23	32	80	58	30	90	524	224	80	478	665	55	32
24	45	50	72	25	97	382	290	81	452	132	45	30
25	45	50	63	25	95	322	3630	78	98	84	39	72
26	43	58	66	30	90	270	2290	78	41	70	28	66
27	44	55	61	25	2930	239	610	75	27	56	38	53
28	35	53	62	25	4210	221	340	69	781	44	33	44
29	33	49	61	25	1190	185	208	68	1680	68	33	30
30	35	53	66	25	.....	185	188	81	556	294	33	27
31	69	60	25	.....	.....	242	.....	94	.....	281	41	.....
Mean	37	45	74	52	357	932	346	158	203	541	619	323
Max.	69	61	212	85	4210	10200	3630	810	1680	4250	8270	5030
Min.	31	31	35	25	25	65	86	66	27	39	28	27
A.F.	2280	2650	4550	3170	20520	57280	20610	9730	12070	33270	38040	19240

Total acre-feet 223410.

NEW YORK CREEK AT HERMAN—Sec. 32-20-11 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	2	2	2	1	16	2	2	1	4	1	1
2	1	1	2	2	0	12	2	2	1	3	2	334
3	1	1	1	2	0	7	2	2	1	3	1	3
4	1	2	2	2	0	8	2	2	1	2	1	3
5	1	2	2	3	0	11	2	2	1	2	0	3
6	1	1	2	1	1	8	2	2	0	1	0	30
7	0	2	2	1	1	4	2	2	2	1	1	5
8	0	2	1	3	1	4	1	2	0	1	0	3
9	1	1	1	2	1	2	2	2	0	2	0	2
10	1	1	2	2	1	2	2	2	0	22	3	2
11	1	1	2	2	1	3	2	2	0	1	22	2
12	0	1	2	2	1	2	2	2	3	0	3	1
13	1	1	2	2	1	2	2	2	1	0	1	1
14	1	2	2	2	1	4	2	2	1	0	1	1
15	1	2	2	2	1	13	2	2	0	0	1	1
16	1	2	2	1	4	70	2	2	0	0	1	1
17	1	2	2	1	6	87	2	1	3	0	1	0
18	1	2	2	0	4	243	2	1	3	0	0	0
19	1	2	2	1	1	39	2	1	0	28	0	1
20	1	2	2	1	1	32	1	1	2	2	0	2
21	1	2	2	1	1	6	0	1	4	1	0	2
22	1	1	3	1	1	4	1	1	16	1	0	0
23	1	2	2	1	2	4	2	1	6	1	0	0
24	2	1	2	0	2	4	2	1	3	1	0	0
25	1	1	2	0	1	4	5	1	1	1	0	0
26	1	2	2	0	1	4	2	1	2	1	1	0
27	1	2	2	0	0	336	4	1	73	1	8	0
28	1	2	2	0	0	22	7	1	12	0	2	0
29	1	1	2	1	17	5	1	1	5	17	1	0
30	10	1	2	2	2	3	2	1	1	1	1	0
31	2	1	2	2	.....	2	.....	1	4	1	1	.....
Mean	1	2	2	1	14	20	2	1	5	3	2	13
Max.	10	2	3	3	336	243	5	2	73	28	22	334
Min.	0	1	1	0	0	2	0	1	0	0	0	0
A.F.	69	95	132	81	809	1220	104	79	294	201	111	792

Total acre-feet 3990.

REPORT OF THE STATE ENGINEER

 NINE MILE DRAIN NEAR MCGREW—Sec. 23-21-53 W.
 Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	285	132	122	99	95	89	89	85	182	135	203	202
2	251	134	120	101	94	89	88	82	179	131	201	206
3	193	134	117	102	95	88	87	81	167	126	229	210
4	179	133	117	101	94	87	87	79	118	165	232	208
5	178	134	116	101	94	88	87	88	141	236	238	206
6	173	135	116	100	94	86	88	134	119	138	300	212
7	173	133	116	101	93	85	88	116	111	123	261	233
8	171	134	114	100	91	85	86	111	111	120	255	241
9	167	135	112	98	91	85	86	129	114	121	258	257
10	167	136	111	99	89	85	85	158	118	120	210	254
11	170	132	111	97	90	82	84	109	125	125	208	267
12	158	129	111	95	95	83	83	114	128	131	196	261
13	156	127	110	94	89	86	85	115	145	133	186	260
14	156	126	112	96	90	86	84	101	165	285	190	272
15	159	124	111	95	90	85	82	85	153	195	192	244
16	154	123	109	93	88	83	85	89	198	174	186	215
17	147	124	108	94	89	85	85	101	360	172	178	216
18	145	123	108	95	89	86	81	87	171	180	181	216
19	143	124	106	94	88	86	76	90	152	175	184	220
20	141	123	106	94	89	85	78	87	156	189	182	238
21	141	120	107	95	89	85	78	89	155	233	185	232
22	144	119	107	95	89	85	77	261	195	191	189	268
23	144	119	106	96	89	83	75	132	173	227	192	325
24	141	116	106	96	85	82	83	207	151	181	190	293
25	143	127	104	96	89	84	84	137	142	192	198	283
26	141	129	104	93	89	84	76	124	137	170	211	285
27	140	128	104	92	88	89	74	120	145	148	211	260
28	141	124	104	93	87	89	73	130	140	155	208	223
29	137	121	103	93	87	88	73	129	133	159	218	303
30	133	122	103	94	..	88	78	130	133	162	206	295
31	133	..	101	94	..	88	..	129	..	173	204	..
Mean	161	127	110	96	90	86	82	117	154	167	209	247
Max.	285	136	122	102	95	89	89	261	360	285	300	325
Min.	133	116	101	92	85	82	73	79	111	120	178	202
A.F.	9930	7580	6750	5920	5190	5270	4890	7200	9160	10240	12860	14690

Total acre-feet 99680.

 NIOBRARA RIVER ABOVE BOX BUTTE RESERVOIR—Sec. 27-29-50 W.
 Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	34	54	40	35	61	75	43	32	34	18	8
2	29	33	55	37	35	63	73	43	28	33	29	7
3	30	34	55	40	35	57	70	44	26	31	23	7
4	29	34	57	37	35	59	65	44	40	30	26	8
5	29	34	57	43	34	51	64	43	69	28	26	8
6	28	38	56	41	35	51	63	43	69	23	25	8
7	29	36	56	46	33	54	63	42	46	24	24	14
8	29	41	54	49	32	45	61	41	39	27	24	12
9	28	45	54	53	30	43	61	40	36	27	24	12
10	25	44	50	53	30	40	60	41	32	26	26	12
11	22	40	45	57	29	45	58	40	29	23	25	12
12	24	39	43	61	28	60	57	39	27	23	22	10
13	26	42	45	59	30	59	57	38	26	23	21	10
14	26	46	43	44	35	124	55	35	26	24	21	10
15	34	46	43	42	32	156	55	33	22	25	29	10
16	30	47	46	42	34	147	53	31	21	26	21	10
17	29	52	57	40	41	124	49	30	133	23	18	10
18	30	47	41	37	52	168	48	29	50	36	16	10
19	29	45	42	39	54	196	44	26	34	32	19	10
20	29	40	39	40	47	181	42	25	34	30	16	11
21	29	40	42	43	49	138	40	24	33	28	12	10
22	22	40	43	42	54	138	41	28	33	26	12	17
23	25	40	42	41	58	206	41	27	42	25	12	23
24	29	45	44	43	62	173	47	34	41	24	11	18
25	38	45	45	41	83	160	55	39	46	23	10	21
26	40	44	45	40	90	149	56	38	47	23	9	21
27	40	44	46	40	82	132	53	34	47	21	8	18
28	38	49	46	40	71	127	49	34	46	21	8	17
29	36	50	47	39	60	102	46	37	43	18	7	18
30	35	53	48	39	..	86	45	37	35	18	8	17
31	35	..	45	36	..	79	..	..	..	18	..	..
Mean	30	42	48	43	46	106	55	36	41	26	18	13
Max.	40	53	57	61	90	206	75	44	133	36	29	23
Min.	22	33	39	37	28	40	40	24	21	18	7	7
A.F.	1850	2510	2950	2670	2630	6490	3260	2220	2440	1570	1110	749

Total acre-feet 30450.

BUREAU OF IRRIGATION

NIORRARA RIVER BELOW BOX BUTTE RESERVOIR—Sec. 28-29-49 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	1	0	0	1	75	34	39	1	94	130
2	1	1	1	0	0	1	64	38	44	1	4	130
3	1	1	1	0	0	1	65	31	53	1	4	127
4	1	1	1	0	0	1	55	31	52	1	3	114
5	1	1	2	0	0	1	53	24	52	2	3	112
6	1	1	1	0	0	0	51	23	57	18	17	94
7	1	0	1	0	1	1	61	20	80	78	37	66
8	1	1	1	0	1	1	36	24	101	105	50	50
9	1	1	1	0	1	0	38	24	120	105	71	48
10	1	1	1	0	1	0	41	24	143	105	102	41
11	1	1	1	0	1	0	39	24	154	105	122	30
12	1	1	2	0	1	0	35	23	152	105	120	36
13	1	1	2	0	1	0	37	24	154	105	120	48
14	1	1	2	1	1	1	35	24	150	84	122	50
15	1	1	1	0	1	1	39	21	145	32	125	56
16	1	1	1	0	1	1	31	24	147	54	128	50
17	1	1	1	0	1	0	34	35	64	40	130	50
18	1	1	1	0	1	0	31	39	2	41	138	50
19	1	1	1	1	1	1	39	41	1	25	142	50
20	1	1	1	1	1	13	28	43	2	17	142	47
21	1	1	1	1	1	42	28	51	1	17	143	24
22	1	1	1	1	1	58	31	47	1	17	143	15
23	1	1	1	1	1	86	38	40	1	17	147	8
24	1	1	1	1	1	134	39	41	1	18	164	1
25	1	1	1	1	1	152	53	31	1	38	164	1
26	1	1	0	1	1	152	50	24	1	65	164	1
27	1	1	0	1	0	129	43	24	1	80	155	1
28	1	1	0	1	1	123	41	15	1	125	145	1
29	1	1	0	1	1	113	36	3	1	123	145	1
30	1	1	0	1	.	96	39	3	1	123	138	1
31	1	.	0	1	.	87	39	7	.	123	130	.
Mean	1	1	1	1	1	39	43	28	57	57	107	48
Max.	1	1	2	1	1	152	75	51	154	125	164	130
Min.	1	0	0	0	0	0	28	3	1	1	3	1
A.F.	57	59	65	43	50	2380	2550	1700	3420	3510	6570	2830

Total acre-feet 23230.

NIORRARA RIVER NEAR COLCLESSER—Sec. 29-30-44 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	47	38	55	50	20	116	104	68	42	62	44	38
2	45	35	55	55	20	107	102	76	34	64	200	29
3	40	35	55	55	20	100	95	64	45	49	140	22
4	44	42	55	60	17	90	82	60	47	44	145	24
5	47	49	55	50	15	80	93	52	38	42	118	31
6	44	44	50	55	10	80	87	64	37	35	126	27
7	47	49	50	65	10	80	64	68	34	31	100	45
8	54	52	47	70	10	80	82	58	34	32	64	49
9	47	62	45	55	10	75	82	72	34	62	64	44
10	40	58	40	50	10	75	74	85	44	47	66	37
11	49	49	40	45	10	70	80	74	58	40	70	28
12	29	52	40	30	10	75	93	78	52	50	56	29
13	35	40	45	30	15	100	72	66	52	150	60	26
14	42	42	45	40	20	130	74	50	49	172	44	31
15	42	38	45	35	25	150	80	40	50	140	45	29
16	32	50	45	35	60	172	76	44	45	166	37	32
17	37	56	50	35	100	140	78	49	794	145	28	35
18	42	54	51	35	169	126	66	35	203	206	29	25
19	37	47	55	30	114	130	72	35	91	156	29	32
20	35	37	60	35	130	128	85	31	91	89	25	47
21	40	35	60	30	145	145	82	27	104	60	28	44
22	45	35	60	25	163	143	80	34	85	50	37	82
23	42	40	64	35	114	161	85	29	72	38	27	54
24	49	45	60	30	148	174	95	60	66	44	17	52
25	45	50	62	25	148	200	98	72	58	42	22	37
26	44	50	60	25	126	197	82	70	70	40	37	40
27	38	50	68	25	114	191	82	58	74	42	24	45
28	34	50	62	20	104	180	74	49	62	42	28	49
29	37	55	72	20	114	153	70	50	60	49	28	44
30	44	55	62	25	...	135	76	52	54	44	27	45
31	37	...	55	25	...	118	...	40	...	42	32	...
Mean	42	46	54	39	68	126	82	55	86	74	58	38
Max.	54	62	72	70	169	200	104	85	794	206	200	82
Min.	29	35	40	20	10	70	64	27	34	31	17	22
A.F.	2560	2760	3310	2380	3910	7740	4890	3390	5120	4570	3560	2290

Total acre-feet 46480.

REPORT OF THE STATE ENGINEER

NIOBRARA RIVER NEAR GORDON—Sec. 26-31-42 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	99	111	157	130	100	142	149	228	102	153	153	75
2	96	114	145	130	90	153	164	197	91	135	244	75
3	94	118	149	130	90	149	128	180	91	128	206	70
4	94	135	161	120	90	150	96	149	115	111	157	65
5	94	135	153	120	100	130	105	138	102	96	168	58
6	91	128	157	120	100	85	125	125	96	85	184	68
7	91	111	153	130	100	80	105	108	96	82	153	82
8	99	102	149	130	90	75	138	111	94	80	138	111
9	105	138	145	120	100	75	145	128	99	105	111	105
10	105	145	153	110	90	70	145	138	105	135	121	88
11	118	142	149	100	90	70	142	145	105	125	128	85
12	118	128	157	100	100	120	131	121	105	125	108	85
13	111	118	168	100	100	200	131	125	99	161	108	80
14	105	111	176	110	120	334	149	131	102	258	111	75
15	114	111	176	110	150	602	168	114	121	219	91	85
16	118	105	138	110	190	295	176	108	111	210	85	94
17	111	118	108	110	270	188	193	102	1460	180	80	102
18	111	125	121	110	270	180	228	94	620	273	82	102
19	111	138	128	110	200	206	224	88	243	219	85	96
20	111	128	111	110	180	193	268	85	188	188	82	105
21	111	140	128	110	202	180	258	88	197	172	82	105
22	114	140	135	110	224	202	273	102	184	153	77	105
23	125	140	111	110	215	238	317	102	176	145	77	168
24	128	140	102	110	164	228	353	114	161	145	75	164
25	128	140	114	110	176	238	317	145	161	145	70	128
26	118	140	114	100	188	210	284	125	168	142	82	118
27	108	140	128	100	197	224	253	105	176	149	96	108
28	108	140	138	100	180	193	248	108	176	149	99	94
29	105	140	142	100	164	224	248	125	176	149	91	88
30	108	164	131	110	...	233	238	128	176	153	82	88
31	108	...	120	110	...	197	...	111	...	153	77	...
Mean	108	130	139	112	149	189	197	125	197	152	113	96
Max.	128	164	176	130	270	602	353	228	1460	273	244	168
Min.	91	102	102	100	90	70	96	85	91	80	70	58
A.F.	6660	7710	8560	6900	8590	11630	11700	7670	11700	9370	6950	5700

Total acre-feet 103100.

NIOBRARA RIVER NEAR CODY—NW¼ NE¼ Sec. 23-33-34 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	166	324	355	430	403	283	334	243	229
2	0	0	0	263	314	355	398	398	288	334	273	229
3	0	0	0	324	293	376	387	387	288	314	433	234
4	0	0	0	340	293	345	376	376	278	314	345	232
5	0	0	0	361	314	298	371	371	283	288	382	229
6	0	0	0	355	308	288	392	340	293	258	345	234
7	0	0	0	345	298	298	387	334	263	263	329	234
8	0	0	0	361	303	295	376	324	253	248	324	243
9	0	0	0	361	303	298	376	392	253	248	319	273
10	0	0	0	361	273	224	366	430	238	229	314	268
11	0	0	0	340	283	168	366	436	263	253	329	248
12	0	0	0	329	273	298	361	420	288	268	314	234
13	0	0	0	298	273	436	366	398	288	258	314	254
14	0	0	330	258	345	458	350	376	298	329	314	224
15	0	0	0	273	361	675	345	340	314	469	314	210
16	0	0	0	319	403	1300	340	314	308	436	303	205
17	0	0	0	146	442	707	329	303	324	425	293	219
18	0	0	300	210	486	497	329	293	1850	420	248	229
19	0	0	0	253	508	492	345	283	809	572	234	234
20	0	0	334	258	458	469	355	268	555	456	224	234
21	0	0	329	329	376	458	345	273	464	403	229	238
22	0	0	350	371	376	425	361	273	497	366	219	263
23	0	0	340	308	403	425	361	314	475	345	224	308
24	0	0	329	319	392	430	382	283	425	314	219	387
25	0	0	345	334	340	458	537	293	387	293	219	324
26	0	0	350	273	382	497	566	345	408	278	229	293
27	0	0	345	205	425	503	549	334	392	268	234	283
28	0	0	355	219	387	503	469	324	387	268	248	273
29	0	0	355	253	371	480	436	329	376	268	243	273
30	0	0	340	308	...	469	408	319	361	238	243	258
31	0	...	314	329	...	447	...	308	...	243	238	...
Mean	0	0	340	296	355	443	392	341	406	322	282	253
Max.	0	0	355	371	508	1300	566	436	1850	572	433	387
Min.	0	0	314	146	273	168	329	268	238	229	219	205
A.F.	0	0	8100	18190	20440	27230	23320	20990	24180	19800	17330	15030

Total acre-feet 194600.

BUREAU OF IRRIGATION

NIOBRARA RIVER NEAR SPARKS—Sec. 22-34-26 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	660	840	830	600	760	962	890	910	696	800	720	584
2	650	830	820	591	750	962	870	900	668	820	780	627
3	710	860	770	780	690	920	810	870	684	790	820	597
4	660	931	730	810	640	910	830	860	790	760	984	618
5	670	880	790	860	700	780	820	870	734	770	870	611
6	680	952	780	880	840	820	931	830	713	730	860	656
7	680	870	770	900	750	860	994	770	728	730	810	666
8	680	840	670	900	591	880	870	770	680	710	780	702
9	670	850	730	900	570	630	840	810	678	730	780	704
10	690	850	780	900	560	650	830	952	688	710	770	688
11	690	890	720	800	560	670	810	910	738	700	1190	712
12	690	850	730	800	560	515	780	870	938	710	1310	656
13	680	810	740	800	560	942	790	850	783	750	931	689
14	680	840	840	800	700	1400	780	800	756	720	880	662
15	710	860	820	800	780	1490	770	790	820	900	750	665
16	790	810	770	600	952	1800	760	750	797	900	730	601
17	740	820	790	600	984	1820	760	729	850	931	690	617
18	740	830	850	600	1060	1360	740	675	1270	931	660	647
19	730	850	840	600	1160	1090	760	676	2000	931	660	639
20	700	830	860	600	962	1090	770	633	1330	973	630	720
21	730	544	820	700	860	1040	770	663	1090	890	630	672
22	750	524	820	780	860	962	800	675	1270	810	582	693
23	800	562	830	770	920	920	776	806	1160	790	620	959
24	780	582	810	730	890	920	870	797	1060	740	582	867
25	820	840	780	740	870	890	1100	737	994	730	591	944
26	840	1020	820	680	1030	952	1100	685	994	720	600	792
27	820	984	820	496	1140	952	1090	786	1070	720	610	755
28	820	910	790	486	1040	931	1020	792	942	750	600	756
29	820	890	820	572	1000	931	920	884	920	780	620	744
30	820	820	750	720	....	920	942	796	880	710	591	768
31	850	....	680	740	....	931	....	748	....	710	571	....
Mean	734	826	786	727	820	997	860	793	924	785	748	700
Max.	850	1020	860	....	1160	1820	1100	952	2000	973	1310	959
Min.	650	524	670	486	560	515	740	633	668	700	571	584
A.F.	45120	49130	48340	44700	47160	61290	51150	48780	54980	48290	46020	41670

Total acre-feet 586600.

NIOBRARA RIVER NEAR SPENCER—Sec. 30-33-11 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1020	1170	1760	645	1270	1730	1420	1420	1070	1160	840	724
2	1170	1210	1420	500	1420	1620	1400	1400	935	1020	953	739
3	967	1190	1250	658	1020	1420	1340	1270	935	951	1030	645
4	983	1380	580	855	1080	1420	1270	1230	855	951	1190	724
5	983	1790	375	1070	1050	1400	1250	1340	903	903	1360	671
6	951	1710	645	1250	1040	1300	1600	1680	1030	840	1580	710
7	951	1760	999	1550	1010	1250	1900	1480	887	826	1300	983
8	951	1340	1210	1600	970	1170	1600	1230	919	812	1080	999
9	983	1140	1080	1550	950	1170	1400	1300	887	826	1030	903
10	967	1400	919	1510	890	1110	1300	1550	871	797	999	887
11	919	1160	871	1590	900	936	1270	1420	871	797	1080	826
12	967	671	887	1380	782	783	1270	1380	1100	1030	1730	797
13	999	1170	983	1180	769	871	1320	1270	1450	1500	2940	826
14	1030	1230	1100	776	790	1340	1160	1360	1230	1500	2220	754
15	1020	1360	1070	690	790	1500	1160	1230	1160	1210	1400	782
16	1030	1190	1160	600	944	1680	1100	1120	1300	1250	1020	684
17	1070	1170	1180	608	871	2560	1070	1070	1340	1500	935	671
18	1120	1380	1250	528	1580	3020	1070	951	1360	1300	903	645
19	1080	1270	1250	492	1650	5640	1080	903	1270	1300	812	684
20	1070	1420	1320	492	1620	6480	1210	871	3770	1160	782	797
21	1050	1360	1420	586	1760	4260	1320	812	2790	1210	782	840
22	1020	557	1500	608	1740	2560	1230	903	2360	1120	754	903
23	1210	557	1500	703	1700	2090	1210	967	2280	1160	697	983
24	1100	593	1420	732	1550	1790	1500	1170	1990	935	671	1450
25	1140	455	1500	703	1490	1760	1900	1070	1760	903	671	1300
26	1120	797	1520	682	1750	1650	1620	1070	1600	871	671	1070
27	1166	3860	1600	831	2190	1500	1620	983	1930	769	754	1140
28	1170	2680	1600	838	1930	1650	1550	951	1710	769	671	935
29	1140	1820	1580	769	1850	1480	1400	1190	1450	1500	684	919
30	1550	1650	1380	711	....	1450	1340	1300	1300	1160	684	919
31	1380	....	1020	732	....	1520	....	1320	....	951	724	....
Mean	1073	1348	1205	884	1289	1939	1363	1200	1444	1056	1064	864
Max.	1550	3860	1760	1600	2190	6480	1900	1680	3770	1500	2940	1450
Min.	919	455	375	492	769	783	1070	812	855	769	671	645
A.F.	65996	80210	74080	54380	74150	119200	81080	73810	85910	64920	65410	51390

Total acre-feet 890500.

REPORT OF THE STATE ENGINEER

OMAHA CREEK AT HOMER—Sec. 12-27-8 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	13	5	4	4	8	9	8	5	3	120	1
2	5	8	4	4	4	8	10	8	4	3	114	1
3	5	7	5	5	5	7	9	99	4	3	12	1
4	4	8	5	4	4	7	8	34	4	3	5	1
5	4	13	6	4	4	6	8	17	4	3	3	1
6	4	8	4	4	3	6	10	17	5	3	3	1
7	4	8	4	4	4	6	15	13	5	3	4	1
8	3	8	3	8	3	7	12	12	4	3	4	1
9	4	6	3	11	3	7	8	11	4	3	3	1
10	4	8	3	7	3	8	8	12	5	3	380	1
11	3	3	3	3	3	8	12	12	5	7	94	1
12	7	4	3	6	2	8	11	12	18	3	21	0
13	7	3	3	3	3	8	9	10	14	2	11	1
14	5	3	3	3	3	60	9	9	7	2	7	1
15	5	15	4	4	4	210	8	8	5	2	28	0
16	4	12	4	4	4	260	8	7	5	3	6	0
17	5	10	4	4	4	500	130	7	6	3	5	0
18	4	9	4	4	4	220	95	7	5	3	5	0
19	4	9	4	4	4	70	85	7	5	2	3	0
20	4	10	4	4	15	51	7	5	5	3	3	0
21	4	13	5	4	10	40	6	8	7	2	3	2
22	4	8	5	4	10	25	47	8	20	2	3	2
23	5	7	5	4	11	16	18	8	21	1	2	2
24	8	7	5	4	13	13	16	4	8	1	1	0
25	7	6	5	4	19	13	78	4	3	12	1	1
26	7	7	5	4	32	12	227	4	2	17	1	1
27	8	7	5	3	420	8	60	4	76	4	1	0
28	7	6	6	3	410	11	20	3	19	1	1	0
29	6	7	6	3	8	11	10	3	6	254	1	1
30	8	6	6	4	.	10	10	5	5	47	1	0
31	31	.	4	4	.	10	.	6	.	8	1	.
Mean	6	8	4	4	73	37	22	12	9	13	24	1
Max.	31	15	6	11	500	260	227	99	76	254	380	2
Min.	3	3	3	2	3	6	6	3	2	1	1	0
A.F.	367	473	268	274	4190	2290	1340	729	563	810	1480	45

Total acre-feet 12830.

PLUM CREEK NEAR MEADVILLE—Sec. 11-32-22 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	78	70	83	85	85	80	97	75	75
2	0	0	0	86	70	83	86	85	81	91	72	75
3	0	0	0	88	70	81	85	85	81	86	78	77
4	0	0	0	83	70	80	86	86	78	86	78	75
5	0	0	0	83	70	83	86	95	78	78	80	75
6	0	0	0	83	70	81	95	99	80	80	78	80
7	0	0	0	85	70	81	106	91	78	75	81	81
8	0	0	0	85	70	80	95	91	77	75	81	83
9	0	0	0	85	70	80	97	87	75	77	78	78
10	0	0	0	80	70	78	95	83	80	75	78	78
11	0	0	0	80	70	75	90	86	81	74	91	74
12	0	0	0	77	70	75	90	85	115	77	104	73
13	0	0	0	77	70	80	90	85	96	85	93	72
14	0	0	0	85	140	80	81	85	78	83	97	71
15	0	0	0	78	140	88	85	85	85	83	96	71
16	0	0	0	62	140	85	85	85	91	88	95	71
17	0	0	0	81	140	83	83	85	95	91	97	71
18	0	0	0	86	93	83	90	83	91	82	91	71
19	0	0	0	86	93	86	90	81	88	74	86	71
20	0	0	0	93	88	88	80	74	100	74	80	77
21	0	0	80	88	88	88	83	80	97	74	80	75
22	0	0	81	85	86	86	85	81	95	78	80	74
23	0	0	80	85	86	85	86	80	102	77	80	88
24	0	0	81	85	85	85	88	78	110	75	77	80
25	0	0	81	80	85	85	140	80	120	78	74	78
26	0	0	83	80	85	86	140	77	122	71	75	80
27	0	0	83	80	88	81	85	78	110	77	75	80
28	0	0	83	80	85	82	85	80	93	78	77	81
29	0	0	83	80	83	82	85	83	97	80	75	83
30	0	0	80	80	..	83	86	80	99	75	74	81
31	0	..	69	80	..	86	..	78	..	78	72	..
Mean	0	..	80	82	87	83	91	84	92	80	82	77
Max.	0	0	83	..	..	88	..	99	122	97	104	88
Min.	0	0	69	..	..	75	..	74	75	71	72	71
A.F.	0	0	1750	5050	4990	5080	5440	5150	5460	4910	5050	4750

Total acre-feet 47450.

BUREAU OF IRRIGATION

PLUM CREEK NEAR SMITHFIELD—Sec. 15-8-21 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	8	0	0	2	8	330	4
2	0	0	0	0	0	4	0	0	4	3	43	3
3	0	0	0	0	0	2	0	0	1	2	36	3
4	0	0	0	2	0	2	0	0	1	2	17	2
5	0	0	0	2	0	2	0	0	1	1	11	1
6	0	0	0	2	0	2	0	0	0	1	10	1
7	0	0	0	2	0	1	0	0	0	0	3	1
8	0	0	0	2	0	1	0	0	0	0	3	1
9	0	0	0	2	0	1	0	0	0	0	3	0
10	0	0	0	2	0	0	0	0	0	0	3	0
11	0	0	0	2	0	0	0	0	0	0	3	0
12	0	0	0	2	0	0	0	0	20	0	0	0
13	0	0	0	1	0	0	0	0	20	2	0	0
14	0	0	0	1	0	120	0	0	20	1	0	0
15	0	0	0	0	0	436	0	0	20	1	7	0
16	0	0	0	0	0	391	0	0	8	0	4	0
17	0	0	0	0	4	315	0	0	6	0	2	0
18	0	0	0	0	3	360	0	0	5	0	1	0
19	0	0	0	0	3	53	0	0	4	0	1	0
20	0	0	0	0	2	11	0	0	4	4	0	0
21	0	0	0	0	3	5	0	0	4	3	0	0
22	0	0	0	0	2	4	0	0	155	2	0	0
23	0	0	0	0	3	2	0	0	1230	1	0	0
24	0	0	0	0	1	1	0	0	727	1	0	0
25	0	0	0	0	2	1	0	0	28	0	0	0
26	0	0	0	0	5	1	0	0	16	0	0	0
27	0	0	0	0	9	0	0	0	162	0	9	0
28	0	0	0	0	12	0	0	0	598	24	7	0
29	0	0	0	0	15	0	0	0	487	472	8	0
30	0	0	0	0	0	0	0	4	140	370	5	0
31	0	0	0	0	0	0	0	2	...	735	6	0
Mean	0	0	0	1	2	56	0	0	121	53	16	1
Max.	0	0	0	2	15	436	0	4	1230	735	330	4
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	0	0	0	41	128	3420	0	12	7230	3240	1010	32

Total acre-feet 15110.

PRAIRIE DOG CREEK NEAR WOODRUFF, KANSAS—Sec. 33-1-18 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	5	10	8	6	26	14	9	260	121	10	1
2	6	6	10	7	7	26	13	10	230	171	10	0
3	6	5	8	6	7	25	12	10	127	67	9	0
4	5	5	8	6	7	20	12	11	67	36	7	0
5	5	6	9	8	7	20	11	11	42	24	25	0
6	5	4	9	14	8	15	11	12	27	19	19	4
7	5	5	8	27	7	15	12	12	18	16	14	2
8	5	4	7	33	6	15	12	11	14	14	36	19
9	5	7	8	26	6	13	12	10	12	13	18	3
10	4	5	8	18	6	12	12	8	10	12	13	9
11	5	7	8	14	6	11	12	6	9	349	9	13
12	7	6	9	11	6	10	12	5	9	116	22	9
13	7	5	8	6	11	12	5	10	54	10	12	12
14	8	5	9	7	6	10	12	6	10	28	30	32
15	8	6	8	6	7	25	12	6	8	18	203	16
16	7	6	8	4	20	140	12	6	51	14	120	11
17	7	8	8	6	35	200	12	5	122	85	36	8
18	7	8	8	6	111	523	12	5	45	124	53	7
19	7	9	8	6	196	261	12	6	49	52	30	5
20	7	10	9	5	90	119	11	5	71	45	15	3
21	5	15	9	6	50	85	10	4	71	330	9	2
22	4	13	9	8	45	57	10	5	209	192	6	1
23	4	10	9	6	40	36	10	4	334	107	5	1
24	4	11	9	7	30	25	10	2	179	60	3	2
25	5	12	11	4	27	19	10	4	77	40	2	1
26	5	8	10	5	29	17	11	5	88	30	3	1
27	4	8	12	4	30	17	10	6	292	20	2	1
28	5	9	12	6	32	17	10	6	360	13	1	1
29	6	11	13	6	26	16	10	9	717	17	1	1
30	6	12	11	6	..	16	10	51	158	16	1	1
31	8	..	9	6	..	15	..	22	..	13	1	..
Mean	6	8	9	9	30	59	11	9	123	72	23	6
Max.	8	15	13	33	196	523	14	51	717	349	203	32
Min.	4	4	7	4	6	10	10	2	8	12	1	0
A.F.	356	458	561	576	1700	3600	676	550	7290	4400	1430	330

Total acre-feet 21930.

REPORT OF THE STATE ENGINEER

 PUMPKINSEED CREEK NEAR BRIDGEPORT—Sec. 12-19-50 W.
 Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	42	52	49	44	50	46	42	22	36	11	14
2	26	39	51	45	43	49	46	38	15	39	10	15
3	26	39	50	55	44	49	46	36	14	36	26	16
4	26	43	50	55	44	48	46	36	14	33	39	15
5	26	40	48	58	44	45	46	36	14	33	30	14
6	28	42	48	57	45	40	46	36	14	33	34	20
7	28	40	49	57	47	40	44	40	14	34	37	32
8	28	45	47	56	46	45	43	43	14	34	33	30
9	27	43	50	55	46	45	43	41	15	34	38	26
10	27	41	42	54	47	45	43	57	13	31	43	33
11	27	42	42	54	47	44	43	56	6	24	20	42
12	29	44	43	52	46	45	42	47	10	22	18	37
13	32	42	43	47	46	46	42	40	14	15	20	32
14	35	40	47	47	46	60	41	39	15	30	30	36
15	38	44	51	57	49	62	42	37	17	27	30	37
16	40	45	48	48	55	55	42	36	18	20	23	37
17	37	47	44	45	59	50	42	30	31	22	14	36
18	38	46	51	48	61	50	42	28	22	24	12	37
19	40	47	50	48	58	50	41	28	18	33	17	41
20	40	46	50	44	55	50	40	25	32	34	19	37
21	40	35	49	48	53	50	38	17	30	33	21	30
22	40	36	49	52	53	51	37	16	28	31	20	27
23	40	43	50	54	51	51	35	16	31	32	13	32
24	41	40	49	55	51	50	34	20	31	30	10	41
25	41	39	49	50	51	50	37	24	49	22	12	31
26	41	43	50	51	51	49	43	16	45	14	17	26
27	41	53	50	45	51	49	48	16	39	13	25	26
28	41	54	51	40	51	48	45	16	35	12	24	24
29	41	53	51	41	51	48	42	16	36	12	19	22
30	42	52	51	43	...	47	42	16	37	12	18	22
31	42	48	43	...	...	47	...	17	...	12	17	...
Mean	35	44	48	50	50	49	42	31	23	26	23	29
Max.	42	54	52	58	61	62	48	57	49	39	43	42
Min.	26	35	42	40	43	40	34	16	6	12	10	14
A.F.	2130	2590	2980	3080	2850	2990	2510	1910	1370	1620	1390	1720

Total acre-feet 27140.

 RED WILLOW CREEK NEAR BAYARD—Sec. 7-20-51 W.
 Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	230	103	82	76	66	64	55	52	129	91	71	92
2	222	102	81	77	66	63	57	52	103	90	78	94
3	161	102	81	78	66	62	55	50	77	76	121	98
4	122	101	81	77	66	63	54	54	48	108	145	102
5	118	98	81	75	66	62	55	54	38	212	168	110
6	115	96	82	75	63	61	55	52	51	137	183	116
7	114	95	85	77	63	60	52	52	49	110	170	148
8	110	96	86	77	64	61	52	83	46	92	163	173
9	115	96	85	74	63	58	52	94	58	83	175	185
10	115	96	84	74	60	59	52	121	51	72	116	213
11	112	94	83	75	63	58	52	112	46	66	103	224
12	106	92	82	74	66	59	52	124	56	69	82	228
13	110	91	82	74	67	64	52	74	69	67	71	230
14	114	91	82	73	66	64	50	66	70	228	76	241
15	114	88	82	70	67	61	50	66	103	124	95	232
16	112	88	81	70	66	60	49	71	150	88	96	187
17	109	88	81	71	66	60	50	55	418	99	86	170
18	108	86	81	71	66	61	50	58	201	154	74	173
19	106	86	81	71	66	59	47	47	203	161	75	182
20	106	86	80	71	64	59	49	47	146	176	76	210
21	105	85	80	71	63	59	49	45	194	217	80	219
22	105	85	80	71	64	56	49	80	294	188	78	237
23	106	84	80	71	62	56	48	69	330	194	78	380
24	105	83	79	70	61	56	57	92	254	154	82	310
25	109	83	79	69	62	56	67	90	155	142	82	312
26	109	90	79	69	64	58	61	121	96	90	294	...
27	105	89	78	69	62	58	57	87	122	76	86	212
28	105	86	78	70	62	57	54	76	110	71	92	208
29	103	82	78	66	62	56	52	87	94	72	142	219
30	105	81	77	66	...	55	54	87	87	74	120	210
31	105	...	77	66	...	54	...	83	...	71	90	...
Mean	119	91	81	72	64	59	53	72	130	118	105	200
Max.	230	103	86	78	67	64	67	124	418	228	183	380
Min.	103	81	77	66	60	54	47	45	38	66	71	92
A.F.	7300	5400	4970	4440	3690	3650	3140	4440	7740	7260	6430	11920

Total acre-feet 70380.

BUREAU OF IRRIGATION

589

RED WILLOW CREEK NEAR RED WILLOW—Sec. 17-3-28 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	26	31	35	25	39	37	30	26	43	23	20
2	17	26	31	25	25	39	36	30	26	40	22	22
3	18	26	31	25	20	39	36	32	24	37	24	21
4	18	27	30	35	20	38	36	30	24	35	24	21
5	18	27	25	35	25	35	35	31	23	34	21	20
6	18	28	20	30	25	20	34	30	23	33	23	19
7	18	28	25	30	25	25	34	30	23	32	24	19
8	18	28	25	34	20	35	33	30	22	36	28	19
9	18	29	25	35	25	20	33	30	21	740	26	19
10	18	29	25	35	30	25	33	30	21	87	24	19
11	18	29	20	35	15	35	32	30	23	43	23	19
12	18	29	25	36	25	35	33	29	41	40	22	18
13	18	29	20	35	30	40	32	29	22	39	1800	15
14	18	30	25	30	30	60	32	28	22	50	49	17
15	19	30	30	30	25	200	32	28	24	312	29	16
16	19	30	25	25	45	393	32	27	32	71	27	15
17	19	30	25	20	40	90	32	26	26	57	28	15
18	20	30	35	20	40	58	32	25	23	52	25	15
19	20	30	35	20	45	54	32	24	22	47	24	15
20	20	30	35	35	55	52	31	23	28	39	24	15
21	20	30	40	30	70	51	31	22	2680	37	23	15
22	20	25	45	35	70	49	31	22	409	34	22	15
23	20	30	45	35	30	47	31	21	72	33	22	15
24	21	30	48	30	30	44	31	21	116	32	21	15
25	22	30	50	35	30	42	31	20	78	30	21	15
26	24	30	46	35	40	40	32	20	171	28	24	15
27	24	32	42	25	40	40	31	20	310	25	33	15
28	24	32	40	25	39	38	30	20	536	24	22	15
29	25	32	40	35	39	38	30	20	65	44	20	15
30	26	31	40	35	..	38	30	87	48	24	21	15
31	26	..	40	25	..	37	..	30	..	22	20	..
Mean	20	29	33	30	34	58	32	28	166	71	82	17
Max.	26	32	50	36	70	393	37	87	2680	740	1800	22
Min.	17	25	20	20	15	20	30	20	21	22	20	15
A.F.	1230	1730	2020	1870	1940	3560	1930	1740	9880	4360	5040	1020

Total acre-feet 36320.

REPUBLICAN RIVER, NORTH FORK, AT COLORADO-NEBRASKA
LINE—Sec. 10-1-42 W.

Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	30	69	80	65	69	66	83	44	68	8	8
2	31	35	69	80	65	69	68	88	42	66	8	8
3	30	40	70	73	65	73	65	86	36	64	8	8
4	26	41	72	72	65	75	62	76	30	68	8	8
5	25	40	72	73	70	76	62	72	32	61	10	18
6	23	42	73	70	70	76	62	64	30	55	9	75
7	21	43	73	70	75	76	60	64	30	57	10	129
8	21	43	73	73	80	73	57	61	23	66	13	45
9	21	52	73	69	82	73	60	59	12	70	46	18
10	19	72	75	69	75	73	60	60	10	69	15	13
11	21	70	75	68	65	70	59	57	9	62	15	10
12	23	70	72	68	60	79	59	55	9	66	13	10
13	24	69	75	68	65	75	61	70	8	73	14	12
14	23	70	75	65	70	82	61	59	37	82	15	13
15	24	72	73	66	80	82	61	44	119	77	37	13
16	26	73	73	64	85	76	62	29	247	68	18	13
17	26	72	73	65	89	70	62	26	209	62	13	12
18	25	70	73	64	86	70	62	27	93	57	11	13
19	25	70	75	62	83	68	59	23	80	84	11	13
20	24	70	75	62	76	66	62	17	116	64	12	16
21	24	64	73	64	76	66	64	15	182	41	11	15
22	26	65	73	64	76	65	69	36	162	38	9	11
23	26	65	73	64	77	66	73	81	110	35	8	15
24	28	65	73	65	75	66	70	118	94	23	13	23
25	29	68	73	64	75	64	70	66	86	13	14	17
26	28	66	72	60	75	72	75	60	83	12	13	18
27	36	69	70	55	76	72	70	41	86	13	11	18
28	34	68	73	50	73	75	70	49	101	15	10	19
29	33	69	72	55	70	75	77	72	82	13	10	22
30	29	66	72	60	..	72	66	57	73	12	10	26
31	28	..	77	60	..	66	..	51	..	10	8	..
Mean	26	60	73	66	74	72	64	57	76	50	13	21
Max.	36	73	77	80	89	82	77	118	247	84	46	129
Min.	19	30	69	50	60	64	57	15	8	10	8	8
A.F.	1600	3590	4480	4050	4250	4420	3840	3500	4510	3100	815	1270

Total acre-feet 39420.

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN--Sec. 31-1-37 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	22	40	40	20	50	69	64	74	115	6	0
2	0	16	40	35	20	50	74	88	57	77	5	0
3	0	22	25	40	20	55	57	121	48	61	36	0
4	0	16	8	65	20	60	46	105	44	54	14	0
5	0	18	8	80	20	60	50	77	42	57	14	0
6	0	20	10	90	20	55	44	54	310	54	19	0
7	0	15	15	95	20	55	40	46	216	57	18	0
8	0	20	30	95	25	55	36	40	64	54	22	0
9	0	31	30	54	25	35	33	34	50	199	51	0
10	0	10	30	46	20	15	48	34	40	91	133	0
11	0	12	25	44	25	15	54	36	33	52	52	0
12	0	22	30	44	30	30	59	38	33	50	48	0
13	0	23	25	45	35	75	61	52	36	48	29	0
14	0	24	25	45	45	160	64	38	579	52	40	0
15	0	26	30	45	60	210	61	29	1950	50	53	0
16	0	28	30	40	70	280	54	23	3220	48	306	0
17	0	40	35	40	85	115	50	20	241	80	77	0
18	0	40	35	40	90	74	42	20	146	48	50	0
19	0	38	40	30	95	67	38	15	146	46	38	0
20	0	44	45	25	100	67	40	14	1570	44	28	0
21	0	15	55	25	120	69	44	14	456	29	20	0
22	0	10	60	25	150	61	48	19	285	26	18	0
23	0	15	70	25	238	61	52	155	146	22	10	0
24	1	15	75	20	88	61	48	64	112	13	6	0
25	9	30	75	10	85	61	40	36	694	16	5	0
26	16	36	80	10	77	64	38	29	359	17	9	0
27	19	36	85	15	72	88	42	24	1130	17	18	0
28	22	38	75	15	64	102	42	22	1110	18	11	0
29	22	36	70	15	57	91	40	85	340	12	5	0
30	24	36	40	15	..	83	38	174	126	11	4	0
31	23	..	40	20	..	77	..	95	..	7	0	0
Mean	4	25	42	40	62	78	48	54	455	49	37	0
Max.	24	44	85	95	238	280	74	174	3220	199	306	0
Min.	0	10	8	10	20	15	33	14	33	7	0	0
A.F.	270	1500	2560	2450	3560	4760	2880	3300	27090	3030	2270	0

Total acre-feet 53670.

REPUBLICAN RIVER AT CULBERTSON--Sec. 17-3-31 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	33	100	80	40	190	177	104	281	362	9	0
2	0	31	84	90	45	177	152	104	240	334	7	0
3	0	33	120	95	40	220	141	362	204	273	11	3
4	0	38	100	100	50	160	170	305	164	190	18	0
5	0	47	40	130	55	100	164	284	146	157	55	3
6	0	44	25	160	50	75	152	211	109	141	31	4
7	0	50	30	250	55	65	115	146	115	109	41	8
8	0	47	35	290	60	55	104	104	211	109	14	6
9	0	44	35	290	85	110	84	96	152	474	25	7
10	0	68	30	320	85	100	80	76	104	432	50	23
11	0	61	30	190	75	95	120	58	68	273	115	15
12	0	72	25	204	65	110	146	115	104	190	141	4
13	0	82	35	120	60	160	115	184	38	141	125	4
14	0	84	40	92	55	350	115	177	41	152	64	0
15	0	88	55	61	60	700	125	152	4750	211	52	0
16	0	104	55	55	50	1320	120	115	6120	224	181	0
17	0	104	75	40	110	510	84	96	3270	184	141	1
18	0	100	80	25	310	305	84	64	1120	170	64	0
19	0	104	75	55	710	256	92	50	575	177	31	0
20	0	104	90	100	780	248	92	35	3610	141	16	0
21	0	70	100	120	590	217	100	25	2050	184	12	0
22	0	20	130	150	590	197	96	20	2230	109	10	0
23	0	20	150	190	530	170	109	441	700	88	2	0
24	0	20	200	220	360	177	120	452	575	88	0	0
25	0	60	260	170	314	217	109	211	575	72	0	0
26	10	140	330	80	204	256	115	163	895	61	4	0
27	18	136	330	60	190	170	115	104	3250	41	2	0
28	20	164	350	45	152	190	115	92	3630	41	0	0
29	23	152	260	35	157	324	104	157	1490	27	0	0
30	23	152	270	30	..	232	104	422	536	23	5	0
31	41	..	140	35	..	197	..	422	..	20	1	..
Mean	4	76	119	125	204	247	117	172	1246	168	40	3
Max.	41	164	350	320	780	1320	177	452	6120	474	181	23
Min.	0	20	25	25	40	55	80	20	41	20	0	0
A.F.	268	4530	7300	7700	11740	15180	6980	10570	74130	10310	2430	159

Total acre-feet 151300.

BUREAU OF IRRIGATION

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REPUBLICAN RIVER AT CAMBRIDGE—Sec. 28-4-25. W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	67	134	363	65	220	505	438	184	730	794	146	51
2	72	138	369	160	240	491	406	202	541	610	112	222
3	72	138	369	230	270	464	381	357	388	498	230	126
4	72	171	279	390	280	450	369	455	323	444	236	72
5	72	194	250	410	270	400	369	444	295	425	118	56
6	72	202	270	490	300	300	375	388	252	375	112	78
7	70	207	210	580	320	300	381	323	227	346	115	138
8	61	217	180	670	330	300	357	295	194	419	126	171
9	64	232	200	670	300	250	363	273	340	3210	112	87
10	64	242	190	620	320	200	363	268	295	1340	90	101
11	67	262	210	410	330	300	369	284	202	810	72	70
12	64	257	190	320	230	400	381	268	1360	534	81	72
13	64	284	220	280	250	500	412	268	555	388	1580	64
14	64	289	220	230	280	600	369	268	268	381	962	61
15	75	284	290	210	300	3000	381	300	1440	746	363	59
16	78	273	300	220	330	3700	406	273	2440	1030	189	56
17	81	284	280	250	400	1490	381	252	4420	990	134	57
18	84	295	310	240	500	972	352	222	2080	846	171	58
19	87	311	320	210	600	730	328	176	1060	666	262	59
20	90	328	340	420	550	650	328	138	981	498	176	60
21	94	369	350	350	520	594	311	122	10300	419	134	60
22	94	369	370	390	800	594	323	142	9640	363	90	60
23	98	330	400	380	1100	541	328	126	1790	311	78	60
24	101	350	400	160	1200	520	300	736	1980	262	72	60
25	104	357	410	160	950	498	289	691	1080	237	70	60
26	130	505	430	160	990	512	323	346	2770	454	80	60
27	130	451	450	160	1100	534	268	252	5300	498	1350	60
28	134	388	470	160	634	498	242	189	6020	546	446	60
29	180	363	500	140	527	485	202	189	2710	1430	158	60
30	150	431	480	130	...	498	180	1650	1180	433	108	60
31	166	...	320	190	...	491	...	1210	...	242	84	...
Mean	91	288	321	305	498	702	342	365	2039	656	260	77
Max.	180	505	500	670	1200	3700	438	1650	10300	3210	1580	222
Min.	61	134	180	65	220	200	180	122	194	237	70	51
A.F.	5600	17170	19720	18750	28640	43170	20380	22450	121300	40350	15980	4800

Total acre-feet 358100.

REPUBLICAN RIVER NEAR BLOOMINGTON—Sec. 8-1-15 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	68	156	391	380	260	1080	666	314	988	3120	936	336
2	64	159	391	380	260	936	654	302	1040	2250	594	252
3	66	159	391	420	250	915	612	349	929	1820	457	206
4	62	159	340	390	270	870	570	345	792	1540	363	485
5	62	162	290	370	280	730	547	345	738	1320	340	332
6	64	168	250	390	290	460	518	462	618	1170	462	241
7	66	190	210	500	290	420	501	524	441	964	363	206
8	66	203	190	620	280	390	490	506	363	838	323	252
9	66	223	180	804	280	400	474	441	310	804	426	286
10	64	230	170	838	270	360	462	400	274	1100	354	298
11	61	237	130	1040	310	330	462	367	244	2010	310	241
12	70	252	120	943	310	270	474	340	294	1630	310	193
13	81	263	180	710	310	250	479	327	294	1300	290	190
14	68	278	210	590	310	330	468	323	610	1040	421	159
15	77	302	200	550	310	930	462	314	672	880	1150	153
16	70	310	200	460	350	4300	457	302	428	804	1030	130
17	68	323	200	290	450	6210	441	302	2340	866	720	110
18	66	323	200	310	500	4550	431	318	3120	1080	484	100
19	68	332	210	410	560	3400	421	294	1960	1260	512	90
20	73	345	230	470	770	2010	415	270	1570	1050	421	84
21	73	358	340	420	900	1460	410	252	1330	901	354	79
22	70	367	570	440	1100	1170	405	230	7020	964	306	75
23	73	336	462	310	1200	985	386	223	16600	714	256	70
24	77	354	415	300	1300	852	386	210	5760	576	217	70
25	86	345	436	300	1400	744	391	200	3370	529	197	64
26	96	336	484	320	1800	732	358	200	2710	582	174	64
27	108	367	518	300	1570	726	345	479	6920	490	162	59
28	119	426	541	240	1500	702	345	391	7260	405	673	69
29	135	421	582	240	1350	696	327	358	6960	774	859	62
30	144	405	570	260	...	684	318	382	4790	2780	582	61
31	153	...	460	250	...	678	...	391	...	2040	400	...
Mean	80	283	325	460	656	1244	456	337	2693	1213	463	167
Max.	153	426	582	1040	1800	6210	666	524	16600	3120	1150	455
Min.	61	156	120	240	250	250	318	200	244	405	162	59
A.F.	4930	16840	19960	28250	37750	76500	27120	20750	160300	74580	28450	9950

Total acre-feet 505380.

REPORT OF THE STATE ENGINEER

 REPUBLICAN RIVER AT BENKELMAN—Sec. 19-1-37 W.
 Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	42	56	91	120	65	112	116	119	119	116	24	15
2	44	55	88	130	80	120	101	210	105	108	23	17
3	42	59	85	140	85	85	98	250	93	108	46	19
4	43	67	85	140	85	90	100	192	78	108	50	16
5	41	63	85	140	85	60	101	154	72	105	45	16
6	38	71	80	140	85	140	94	123	67	96	40	20
7	39	66	85	130	85	120	96	121	70	93	38	42
8	38	76	90	140	85	120	86	110	66	127	35	51
9	35	105	90	125	85	95	88	98	56	121	42	40
10	33	110	95	129	75	45	59	86	45	129	56	30
11	30	96	100	123	50	90	84	89	36	112	58	24
12	30	86	100	117	35	140	83	98	30	94	51	23
13	31	94	100	120	35	190	88	107	31	94	46	22
14	32	96	100	130	65	270	93	110	49	98	44	21
15	38	89	100	75	100	320	88	93	1960	114	44	19
16	41	86	100	50	140	244	84	71	2150	117	96	17
17	40	84	100	50	200	203	82	54	511	116	121	17
18	39	91	100	55	290	152	82	45	219	110	98	19
19	38	103	100	50	470	143	58	36	117	107	72	20
20	36	108	100	65	410	117	82	31	813	114	54	21
21	38	75	100	90	340	116	83	28	755	114	41	22
22	37	65	100	95	360	117	86	31	533	94	30	23
23	40	65	100	40	260	143	89	1480	247	84	22	24
24	45	70	100	35	160	168	88	285	221	71	20	27
25	57	80	110	25	159	143	84	168	238	59	19	28
26	58	82	110	17	133	154	84	145	238	49	23	28
27	57	84	120	9	150	163	84	135	1090	40	24	28
28	58	98	140	9	119	190	84	133	1020	34	23	32
29	61	94	114	15	82	159	84	245	271	32	21	36
30	61	88	114	30	..	154	84	148	141	27	19	37
31	58	..	110	45	..	137	..	129	..	26	17	..
Mean	43	82	100	83	151	145	89	165	351	91	43	25
Max.	61	110	140	140	470	320	116	1480	2150	129	121	51
Min.	30	55	80	9	35	45	82	28	30	26	17	15
A.F.	2620	4880	6130	5120	8670	8930	5300	10160	22690	5590	2660	1500

Total acre-feet 84250.

 REPUBLICAN RIVER AT TRENTON—Sec. 2-2-33 W.
 Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	42	121	130	65	222	191	150	240	309	10	0
2	1	47	132	140	60	230	176	257	167	246	8	0
3	8	52	128	140	80	180	171	406	137	196	19	0
4	8	56	70	150	90	140	158	414	106	171	30	0
5	8	69	55	150	90	120	141	329	117	154	33	0
6	9	66	50	150	80	90	141	240	86	154	19	0
7	9	66	60	280	80	90	128	181	222	145	16	0
8	10	75	50	320	100	120	145	154	171	167	25	0
9	10	89	50	170	110	120	145	121	96	453	28	16
10	7	80	55	176	95	120	132	106	58	390	106	19
11	4	83	50	171	90	100	117	99	37	263	167	8
12	2	99	60	171	90	110	132	103	38	162	106	4
13	1	117	65	117	85	210	137	141	37	117	72	0
14	2	114	65	96	100	340	154	158	37	121	54	0
15	3	110	75	63	95	390	150	132	5650	167	32	0
16	6	106	100	45	80	1090	145	99	6740	202	52	0
17	8	106	110	30	130	448	137	80	1990	167	202	0
18	9	117	110	35	400	263	132	58	814	154	124	0
19	9	124	120	55	520	207	114	45	742	191	78	0
20	9	158	110	80	490	217	106	28	3050	154	40	0
21	10	75	120	110	370	212	103	22	1290	150	23	0
22	10	45	130	180	310	196	124	17	2320	114	12	0
23	9	25	140	220	470	162	128	723	550	80	6	0
24	11	30	150	207	440	154	128	478	430	75	3	0
25	16	145	170	106	240	158	124	295	336	61	1	0
26	23	124	200	89	246	150	121	196	590	52	3	0
27	33	120	200	40	196	158	137	121	4490	45	3	0
28	38	130	230	30	154	263	132	86	2410	37	1	0
29	42	120	240	25	158	275	121	191	742	28	1	0
30	42	117	160	40	..	240	110	322	422	18	0	0
31	42	..	110	40	..	207	..	302	..	13	0	..
Mean	13	90	112	121	190	225	136	195	1137	153	41	2
Max.	42	158	240	320	520	1090	191	723	6740	453	202	19
Min.	0	25	50	25	60	90	103	17	37	13	0	0
A.F.	787	5380	6910	7450	10940	13850	8090	12010	67660	9430	2530	94

Total acre-feet 145100.

BUREAU OF IRRIGATION

REPUBLICAN RIVER NEAR ORLEANS—Sec. 19-2-19 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	154	320	170	180	620	524	256	894	1380	442	137
2	65	158	313	180	200	540	524	250	520	1070	307	114
3	65	160	327	180	230	480	498	288	417	906	218	507
4	65	170	270	210	280	450	462	294	347	799	230	243
5	65	180	190	340	290	420	438	434	297	718	358	147
6	65	182	170	440	290	380	430	466	266	650	229	127
7	65	196	160	510	290	270	402	420	245	591	202	153
8	65	206	150	600	300	230	418	384	220	534	187	215
9	65	214	150	766	310	160	406	350	195	610	183	226
10	65	216	150	936	310	160	420	322	187	1760	169	147
11	65	222	160	876	280	150	414	288	223	1080	178	110
12	65	231	170	665	300	300	446	256	218	894	160	92
13	65	240	180	544	300	510	430	248	666	738	127	82
14	65	263	180	460	290	760	436	248	546	650	876	75
15	65	281	210	430	330	3370	398	240	294	610	630	68
16	85	291	230	390	370	5850	372	240	2150	690	394	61
17	85	290	250	250	390	3500	372	244	3170	846	394	53
18	85	298	270	300	400	1760	380	230	2170	876	231	50
19	85	308	320	350	510	1130	370	210	1300	655	197	46
20	85	326	330	380	560	906	344	186	1030	615	207	45
21	85	332	330	380	560	777	350	170	2220	506	185	46
22	85	340	340	380	840	660	330	160	18400	413	158	44
23	85	333	330	340	860	600	322	150	8550	369	129	41
24	85	327	350	300	900	595	322	140	2520	330	110	44
25	85	327	360	260	1200	539	320	130	1780	287	95	41
26	85	330	380	240	1500	540	308	400	3250	272	86	41
27	104	379	430	220	1200	544	294	340	11100	251	477	41
28	114	369	470	200	1000	524	288	270	11500	433	755	40
29	122	333	490	200	790	538	274	260	5290	1720	471	40
30	134	327	470	190	...	520	266	280	1990	2290	278	40
31	160	...	290	200	...	524	...	900	...	810	183	...
Mean	82	266	282	383	534	913	385	292	2732	786	282	104
Max.	160	379	490	936	1500	5850	524	900	18400	2290	876	507
Min.	65	154	150	170	180	150	266	130	187	251	86	40
A.F.	5050	16850	17340	23580	30740	56150	22920	17960	162600	48300	17350	6180

Total acre-feet 424020.

REPUBLICAN RIVER NEAR HARDY—Sec. 6-15-5 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	87	155	424	420	310	1440	778	441	406	4140	2400	533
2	87	159	424	350	300	990	770	441	400	2750	1340	372
3	95	169	400	330	300	666	754	454	722	1910	837	346
4	92	187	447	320	300	642	746	479	900	1560	620	273
5	95	187	346	320	300	400	730	492	837	1340	499	210
6	92	194	346	350	300	301	706	473	762	1110	429	320
7	92	194	400	380	300	280	666	454	762	927	367	372
8	98	206	320	420	310	265	642	519	682	1290	441	311
9	98	214	320	500	310	255	620	582	486	2030	362	247
10	101	214	242	600	310	250	605	547	412	1440	320	234
11	101	206	278	760	315	250	582	492	406	770	367	256
12	101	247	260	840	320	270	605	460	341	1280	406	260
13	104	247	240	840	325	290	605	424	311	1500	325	226
14	101	282	225	810	335	330	612	412	341	1280	311	202
15	98	316	210	770	355	540	598	389	383	963	325	187
16	104	330	210	730	390	918	582	356	575	786	486	159
17	101	330	215	690	450	7040	563	362	746	746	1120	146
18	101	330	235	650	500	8230	554	335	934	1190	936	136
19	101	367	245	610	600	7750	533	330	3050	990	698	114
20	98	383	265	550	700	3580	512	335	2030	1340	547	120
21	98	406	285	510	800	1970	505	330	1440	1120	473	107
22	98	406	310	470	930	1440	512	330	1440	954	395	110
23	110	378	340	430	1050	1190	499	292	6920	837	330	101
24	117	290	370	410	1250	1040	505	292	10900	846	311	87
25	117	200	405	370	1500	945	519	292	4640	698	247	84
26	114	225	460	350	1800	882	505	278	3350	598	234	73
27	114	260	500	330	2750	864	505	256	4470	561	226	81
28	123	346	570	330	5550	864	479	269	12300	635	282	81
29	142	351	590	320	2210	837	454	367	12000	582	222	65
30	139	406	540	320	...	810	454	492	7510	512	311	73
31	155	...	505	310	...	794	...	435	...	1260	714	...
Mean	106	273	352	496	868	1494	590	400	2682	1224	545	196
Max.	155	406	590	840	5550	8230	778	582	12300	4140	2400	533
Min.	87	155	210	310	300	250	454	256	311	512	222	65
A.F.	6490	16230	21660	30530	49920	91880	35120	24620	159600	75260	33480	11670

Total acre-feet 556460.

REPORT OF THE STATE ENGINEER

ROCK CREEK AT PARKS—Sec. 21-1-39 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	14	14	15	15	16	14	16	14	16	14	11
2	15	15	14	15	15	17	15	19	14	15	13	11
3	15	15	14	16	15	17	15	20	13	13	22	12
4	15	15	15	16	15	17	15	17	13	14	18	11
5	14	15	16	16	15	17	15	16	13	13	16	11
6	14	15	16	16	15	17	15	15	13	13	15	13
7	14	15	15	16	15	17	15	15	12	17	15	13
8	14	15	16	16	15	18	15	14	12	16	15	13
9	13	15	16	15	15	18	15	14	12	18	20	13
10	13	15	16	15	14	17	15	14	12	16	17	13
11	13	15	16	15	15	17	15	14	11	14	15	13
12	12	15	16	14	15	17	15	14	11	14	14	13
13	13	15	16	15	15	16	16	15	12	14	14	13
14	13	15	16	14	15	16	16	14	16	17	14	13
15	15	15	16	14	15	17	15	14	23	19	14	13
16	15	15	16	14	17	16	15	13	18	17	15	12
17	15	15	16	14	17	16	14	13	16	16	14	12
18	14	15	15	14	16	16	14	13	14	15	13	13
19	14	16	16	14	16	15	14	12	15	18	13	13
20	13	17	15	14	16	14	14	11	24	17	12	12
21	14	16	15	16	16	14	14	11	22	16	12	13
22	14	16	15	16	16	13	14	13	21	15	12	13
23	13	16	15	16	16	13	14	21	18	15	12	13
24	14	15	16	15	16	14	14	15	17	14	12	14
25	14	14	16	15	15	14	14	14	16	14	12	14
26	14	15	16	15	15	16	13	14	16	14	12	13
27	14	15	16	15	16	16	14	14	24	14	12	13
28	14	14	16	15	16	15	14	14	23	14	12	14
29	14	14	16	15	16	15	14	19	19	14	12	15
30	15	14	15	15	..	15	14	17	17	14	11	14
31	15	..	15	15	..	15	..	15	..	14	11	..
Mean	14	15	16	15	15	16	14	15	16	15	14	13
Max.	15	17	16	16	17	18	16	21	24	19	22	15
Min.	12	14	14	14	14	13	13	11	11	13	11	11
A.F.	859	895	954	924	889	974	865	912	954	932	859	762

Total acre-feet 10780.

SAPPA CREEK NEAR STAMFORD—Sec. 23-2-20 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	8	12	13	9	33	28	14	28	711	71	40
2	9	8	12	14	9	31	27	13	137	489	62	27
3	8	10	12	13	10	30	24	16	225	420	57	23
4	8	8	10	17	10	25	23	16	354	356	57	24
5	9	8	13	23	10	25	23	14	222	334	62	21
6	8	11	12	28	10	19	23	15	101	228	57	18
7	8	7	14	35	10	17	24	14	73	174	80	19
8	7	7	13	33	10	20	22	14	55	171	157	31
9	7	6	13	31	10	16	20	13	42	172	84	27
10	7	6	12	28	10	16	21	11	42	314	72	19
11	7	6	13	26	12	14	19	12	61	254	71	49
12	7	7	11	25	11	14	21	12	46	338	57	34
13	6	7	11	21	11	18	21	14	29	262	57	23
14	7	7	10	19	11	19	20	19	21	179	70	17
15	6	8	11	17	13	43	20	16	20	231	162	15
16	6	9	11	20	23	270	20	14	58	210	183	16
17	6	7	11	16	33	428	19	10	25	133	118	12
18	6	8	11	15	54	414	19	10	14	269	246	12
19	6	9	11	16	63	329	18	8	11	258	171	11
20	7	12	12	15	71	219	17	8	8	150	106	8
21	6	12	12	15	67	119	17	8	322	100	77	6
22	5	10	14	16	57	78	18	7	610	85	63	4
23	6	10	14	19	53	58	17	7	833	94	63	4
24	6	10	14	12	50	48	17	6	911	125	60	4
25	5	12	14	12	48	40	16	5	938	223	51	4
26	6	13	14	11	42	36	16	4	784	150	44	4
27	8	13	16	11	42	34	16	4	1150	103	40	2
28	9	12	17	10	66	33	15	4	1240	213	38	2
29	8	12	16	11	48	31	15	10	1140	111	40	2
30	7	12	16	10	..	30	14	25	1300	84	73	1
31	11	..	14	9	..	29	..	25	..	86	73	..
Mean	7	9	13	18	30	82	20	12	361	227	85	16
Max.	11	13	17	35	71	428	28	28	1300	711	246	49
Min.	5	5	10	9	9	14	14	4	11	85	38	1
A.F.	432	546	785	1110	1730	5030	1170	737	21480	13960	5210	946

Total acre-feet 53140.

BUREAU OF IRRIGATION

595

SAPPA CREEK NEAR BEAVER CITY—Sec. 23-2-20 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	2	4	5	3	8	8	4	174	208	18	5
2	1	4	4	6	3	7	7	5	185	168	16	4
3	2	5	4	6	3	6	6	6	303	91	15	4
4	2	1	6	7	3	6	6	6	96	70	26	3
5	2	2	6	8	3	5	6	6	45	50	34	3
6	1	2	6	9	3	4	6	6	33	42	116	4
7	1	2	6	10	3	4	6	6	23	38	98	3
8	1	2	6	9	3	4	6	6	18	34	43	6
9	1	3	6	8	3	4	6	6	43	60	30	32
10	1	3	6	7	3	4	6	5	36	132	25	34
11	1	3	6	6	3	4	6	5	18	231	21	14
12	1	2	5	6	3	4	7	4	12	93	16	9
13	0	2	5	5	3	5	6	4	16	45	79	10
14	1	3	5	5	4	5	7	4	17	102	114	10
15	2	3	5	5	5	11	7	4	18	60	91	9
16	2	2	5	5	9	187	7	4	12	62	69	8
17	1	4	5	4	16	223	6	4	10	255	206	6
18	1	4	4	4	30	201	7	4	41	101	58	5
19	2	4	4	4	30	132	6	4	143	46	34	4
20	2	5	4	4	28	64	6	3	428	40	24	3
21	2	6	4	4	25	37	5	3	560	40	20	4
22	2	5	4	4	22	21	5	3	536	66	21	3
23	1	4	4	4	20	16	5	3	757	108	18	2
24	2	4	4	4	18	11	6	3	383	116	12	2
25	1	4	4	3	15	10	5	3	215	58	9	2
26	2	4	4	3	13	9	5	9	295	42	9	2
27	2	5	4	3	10	9	5	10	646	68	10	2
28	4	4	4	3	9	9	5	6	808	32	7	2
29	3	4	4	3	9	9	5	4	652	31	8	2
30	5	5	4	3	.	8	5	7	138	27	10	2
31	4	4	4	3	.	8	.	73	...	21	6	.
Mean	2	3	5	5	10	33	6	7	222	82	41	7
Max.	5	6	6	10	30	223	8	73	808	255	206	34
Min.	0	1	4	3	3	4	5	3	10	21	6	2
A.F.	107	203	287	317	599	2050	358	439	13210	5030	2510	393

Total acre-feet 25500.

SALT CREEK NEAR ASHLAND—Sec. 31-13-10 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	116	101	110	90	100	250	299	155	147	302	575	119
2	116	110	119	100	110	250	251	158	128	155	786	1150
3	112	95	110	120	110	250	214	147	116	121	3230	1560
4	112	97	120	120	100	250	189	158	112	108	1180	468
5	110	97	130	120	110	250	195	158	114	95	334	189
6	101	105	140	120	110	250	207	244	116	90	214	133
7	103	99	120	120	110	250	195	318	112	93	177	598
8	108	97	100	140	110	250	177	171	142	93	160	2200
9	130	97	80	314	100	250	174	155	135	445	150	1590
10	103	93	100	310	120	250	163	133	108	914	251	460
11	99	93	105	258	120	250	166	128	103	416	500	183
12	95	92	101	150	120	250	166	125	116	171	608	135
13	92	93	114	100	120	250	183	128	211	125	2070	116
14	88	95	121	120	120	250	174	123	177	110	2550	114
15	90	116	112	95	150	254	163	220	114	101	3880	110
16	82	125	101	95	230	966	152	299	92	93	3100	99
17	88	121	112	90	4870	5640	152	130	95	90	515	95
18	80	114	121	95	7610	9540	145	114	99	86	258	93
19	79	112	121	90	2120	18600	137	114	93	92	186	93
20	79	112	121	85	400	12700	142	110	125	123	163	90
21	88	110	123	85	400	3770	142	110	121	130	133	103
22	86	90	123	85	400	1150	142	108	248	88	85	99
23	82	90	123	85	400	565	135	114	823	49	130	93
24	137	90	114	95	400	450	174	1230	460	47	135	130
25	133	110	121	95	400	350	366	442	150	59	112	198
26	116	125	123	95	400	322	314	180	108	68	108	211
27	101	123	125	95	6390	318	240	142	410	72	299	110
28	95	121	125	95	15000	354	177	128	1890	76	754	95
29	90	121	123	95	500	462	160	116	980	8640	272	90
30	92	116	110	95	.....	540	152	155	404	11000	160	88
31	97	110	110	95	.....	594	.....	180	.....	2890	160	88
Mean	100	106	115	121	1422	1931	188	200	269	869	749	360
Max.	137	125	140	314	15000	18600	366	1230	1890	11000	3850	2200
Min.	79	90	80	80	100	250	135	108	92	47	88	88
A.F.	6170	6310	7090	7430	81780	118700	11200	12280	15980	53440	46030	21450

Total acre-feet 387860.

REPORT OF THE STATE ENGINEER

SHELL CREEK NEAR COLUMBUS—Sec. 23-18-1 E.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	7	13	10	16	2070	22	13	7	50	199	6
2	5	7	13	14	16	740	20	12	7	28	67	8
3	5	8	13	18	16	410	19	14	7	22	158	8
4	5	8	10	18	16	320	16	14	7	20	184	7
5	5	9	10	18	16	240	16	18	6	19	140	7
6	5	12	10	16	18	140	16	15	7	18	54	6
7	5	10	10	16	16	85	15	13	7	16	31	6
8	5	9	10	18	16	50	15	13	6	15	24	7
9	5	9	10	38	20	40	15	13	7	16	59	6
10	5	8	12	55	20	35	14	12	7	15	57	7
11	4	8	14	36	14	35	14	12	6	21	224	6
12	5	8	12	40	20	35	13	11	12	70	582	6
13	11	9	12	22	22	30	14	11	9	29	762	5
14	14	10	12	22	26	40	14	11	9	19	648	6
15	10	11	10	20	32	180	13	11	8	14	252	5
16	7	11	12	16	38	950	13	10	7	12	84	4
17	7	14	12	14	95	1700	13	10	7	12	72	3
18	6	14	12	12	720	1000	12	10	6	17	45	3
19	6	13	12	12	1000	450	12	9	6	919	20	3
20	6	13	12	16	900	136	12	9	7	490	13	4
21	7	12	12	16	450	66	12	8	8	42	13	4
22	6	13	12	14	240	46	12	8	89	26	11	7
23	5	13	12	14	200	36	12	37	266	20	9	5
24	5	16	12	16	180	31	12	80	154	20	8	4
25	6	15	12	16	170	29	13	73	82	20	7	4
26	6	17	12	16	150	29	15	42	46	15	7	4
27	6	14	14	14	500	28	13	19	1370	13	7	4
28	7	13	14	12	1760	25	15	12	813	11	7	4
29	7	13	14	14	2140	24	14	10	234	132	6	3
30	6	13	10	16	...	23	15	8	82	704	5	4
31	7	...	10	16	...	22	...	8	...	386	6	...
Mean	6	11	12	19	304	292	14	18	110	104	121	5
Max.	14	17	14	55	2140	2070	22	80	1370	919	762	8
Min.	4	7	10	10	14	22	12	8	6	11	5	3
A.F.	385	668	724	1180	17510	17940	855	1080	6520	6370	7460	310

Total acre-feet 61000.

SHEEP CREEK NEAR MORRILL—Sec. 16-23-57 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	108	99	93	88	78	79	70	67	9	90	10	10
2	109	99	93	92	75	80	69	67	51	91	12	11
3	114	98	91	92	76	82	68	66	70	89	16	12
4	115	98	92	88	76	81	68	66	66	84	16	8
5	112	98	91	88	75	81	68	66	65	46	16	7
6	110	99	92	86	75	82	68	66	39	18	22	6
7	110	98	92	87	74	82	68	66	18	18	20	12
8	112	99	90	87	74	82	68	...	14	19	22	10
9	111	99	89	86	76	82	67	8	10	15	22	10
10	112	98	86	85	72	84	67	8	10	15	13	9
11	112	98	86	84	71	86	66	8	10	15	10	8
12	108	96	86	80	73	87	66	9	10	18	10	8
13	108	95	89	76	73	91	65	9	9	23	11	8
14	108	94	94	79	73	94	66	9	8	118	12	8
15	132	94	97	78	71	85	66	9	8	131	15	8
16	119	92	95	77	75	79	67	9	55	104	14	9
17	113	94	94	78	80	80	66	8	81	100	9	9
18	112	93	94	79	90	78	65	8	81	103	4	8
19	109	92	93	79	89	76	64	8	82	50	4	8
20	107	91	93	82	88	75	65	8	84	15	5	12
21	106	89	93	83	87	71	66	9	84	14	5	7
22	107	88	93	85	87	70	66	7	113	14	6	8
23	112	88	92	83	87	68	66	7	116	13	6	104
24	108	89	90	77	86	68	79	38	108	10	6	146
25	107	92	90	77	82	70	74	74	104	7	6	143
26	105	94	90	77	82	69	69	31	106	7	6	139
27	104	96	89	74	80	67	68	10	103	6	8	138
28	104	94	88	76	80	67	67	9	97	6	11	136
29	103	92	88	81	80	70	67	9	93	6	8	132
30	102	92	87	79	...	74	66	9	90	5	8	134
31	101	...	86	77	...	70	...	9	...	8	7	...
Mean	110	95	91	82	79	78	68	26	60	41	11	42
Max.	132	99	97	92	90	94	79	74	116	131	22	146
Min.	101	88	86	74	71	67	64	7	8	5	4	6
A.F.	6740	5630	5580	5040	4530	4780	4020	1600	3560	2500	676	2510

Total acre-feet 47170.

BUREAU OF IRRIGATION

597

SNAKE RIVER NEAR BURGE—NE $\frac{1}{4}$ Sec. 20-31-31 W. Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	238	238	266	255	240	252	244	258	227	208	205	200
2	238	238	269	258	240	252	241	258	219	202	235	202
3	241	249	261	278	210	246	238	249	227	202	235	202
4	232	278	261	266	210	246	235	246	275	205	227	202
5	232	255	269	264	210	246	246	252	232	202	219	200
6	232	308	261	252	210	230	290	244	224	197	213	213
7	238	293	264	255	210	220	314	232	216	197	210	232
8	235	275	258	261	210	220	284	235	210	200	213	238
9	235	275	261	266	210	220	264	275	208	200	210	227
10	238	281	266	266	200	220	261	296	208	200	208	224
11	238	275	264	269	155	220	266	269	221	200	210	219
12	241	272	258	266	200	220	252	258	238	200	244	216
13	230	275	258	249	220	220	241	249	230	213	269	213
14	224	272	266	238	270	258	232	244	235	213	261	210
15	238	269	258	220	335	275	232	238	230	219	230	205
16	255	264	252	220	329	293	235	232	219	244	221	202
17	235	266	252	224	308	287	238	224	258	261	213	205
18	235	261	249	235	302	278	232	219	261	278	210	210
19	232	258	252	244	293	278	244	213	232	258	205	216
20	227	269	255	246	272	281	252	210	266	238	202	224
21	224	219	252	252	269	281	241	210	258	227	205	224
22	235	241	255	264	255	269	235	213	314	219	202	221
23	244	252	255	241	244	258	232	264	293	213	202	317
24	232	232	255	225	246	246	264	249	266	213	202	252
25	235	299	252	220	238	249	311	235	258	208	202	241
26	238	305	258	200	241	272	305	235	261	210	208	224
27	232	278	261	190	264	249	299	235	258	205	210	219
28	227	269	264	195	266	244	272	238	238	213	208	216
29	230	264	266	215	244	241	255	241	230	216	202	216
30	235	266	272	225	...	244	258	232	216	208	202	216
31	241	...	258	230	...	249	...	230	...	200	200	...
Mean	235	267	260	242	245	250	257	241	241	215	216	220
Max.	255	308	272	278	335	293	314	296	314	278	269	317
Min.	224	219	249	190	155	220	232	210	208	197	200	200
A. F.	14450	15860	15960	14850	14080	15400	15300	14840	14340	13230	13260	13100

Total acre-feet 174700.

SILVERNAIL DRAIN—Sec. 6-19-49 W. Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	8	5	25	31	9
2	8	5	15	31	12
3	8	22	14	34	8
4	7	22	14	30	14
5	8	31	14	14	14
6	8	9	8	13	31
7	8	8	17	13	31
8	8	4	16	27	31
9	8	7	9	18	14
10	9	6	8	18	14
11	9	6	14	11	31
12	8	7	14	11	8
13	9	8	23	18	8
14	9	13	23	8	9
15	7	13	16	8	14
16	6	21	16	10	20
17	3	21	16	10	21
18	4	9	16	9	22
19	4	8	14	9	25
20	4	8	25	9	31
21	7	17	15	8	31
22	8	8	30	12	31
23	8	9	31	11	40
24	5	15	15	10	20
25	6	27	16	10	35
26	7	25	16	14	30
27	6	25	16	14	30
28	9	26	12	10	30
29	5	14	11	9	29
30	5	14	14	9	29
31	2	...	22	9	...
Mean	7	14	17	14	22
Max.	9	31	31	34	40
Min.	2	4	8	8	8
A. F.	420	820	1030	890	1330

SPOTTED TAIL CREEK, DRY Sec. 28-23-56 W. Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	34	32	51	83	87
2	34	33	54	90	86
3	32	33	57	103	88
4	40	34	54	101	87
5	36	33	58	87	90
6	36	32	29	120	91
7	36	30	30	103	92
8	36	31	30	100	106
9	36	31	40	98	105
10	39	32	40	93	98
11	40	32	48	94	100
12	42	32	49	96	95
13	45	32	49	92	93
14	46	32	96	93	95
15	45	40	195	98	96
16	30	43	185	98	97
17	27	68	70	89	93
18	32	157	66	100	96
19	27	114	66	79	98
20	31	113	83	83	100
21	30	54	90	71	86
22	37	71	79	73	89
23	30	75	77	79	81
24	45	57	74	77	80
25	45	57	78	78	104
26	45	47	74	78	100
27	42	47	79	91	92
28	35	54	83	92	82
29	36	50	85	92	84
30	36	50	85	92	82
31	32	...	85	91	...
Mean	37	52	72	91	93
Max.	46	157	195	120	106
Min.	27	30	29	71	82
A. F.	2260	3070	4440	5600	5560

REPORT OF THE STATE ENGINEER

STINKING WATER CREEK NEAR WAUNETA—Sec. 17-6-35 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	20	26	27	19	28	28	25	35	24	10	12
2	15	20	27	30	20	27	27	50	26	20	12	12
3	15	21	27	27	19	29	26	39	21	20	16	12
4	15	21	20	31	20	24	25	38	19	20	16	12
5	15	21	28	29	20	22	25	30	19	20	16	12
6	15	21	32	30	20	33	25	25	20	15	16	12
7	15	22	30	31	20	39	25	20	24	14	16	12
8	16	24	31	30	22	37	23	21	20	14	16	11
9	16	26	29	32	22	29	22	22	16	14	23	11
10	16	26	30	32	22	28	22	23	16	14	24	11
11	16	26	32	32	20	30	22	22	16	14	24	11
12	16	26	30	32	20	30	22	21	16	14	22	11
13	16	25	28	24	20	36	23	22	16	14	20	10
14	19	25	26	27	22	48	23	22	15	37	21	9
15	18	25	27	27	22	63	22	20	18	32	18	9
16	18	25	27	27	30	54	22	19	24	25	15	9
17	18	25	28	31	39	48	22	18	22	23	13	9
18	18	26	28	25	47	42	22	18	21	25	13	9
19	18	28	30	26	51	38	22	18	21	20	13	9
20	18	34	30	22	37	36	21	18	38	15	13	8
21	18	34	31	24	33	34	21	18	46	15	13	9
22	18	27	29	26	35	32	23	18	42	15	13	9
23	18	28	32	26	35	31	24	18	33	15	11	9
24	18	30	30	25	34	30	23	18	30	15	11	9
25	20	31	30	24	32	29	24	18	31	15	11	9
26	21	30	31	20	32	30	22	18	31	15	13	9
27	21	30	32	18	34	32	21	18	34	10	17	9
28	21	29	31	17	34	37	21	20	50	10	21	11
29	21	27	31	18	31	35	20	25	36	10	17	12
30	21	27	29	19	..	34	20	30	32	10	14	12
31	20	..	21	20	..	32	..	40	..	..	..	..
Mean	18	26	29	26	28	35	23	24	26	17	18	10
Max.	21	34	32	32	51	63	28	50	50	37	24	12
Min.	15	20	20	17	19	22	20	18	15	10	10	8
A.F.	1080	1550	1770	1600	1610	2140	1360	1490	1560	1060	974	613

Total acre-feet 16810.

STREVER CREEK—Sec. 1-8-20 W.
Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	10	13	42	87	28
2	10	13	39	78	29
3	13	12	39	59	24
4	10	13	38	51	18
5	10	12	36	49	18
6	10	12	36	51	19
7	10	12	37	48	20
8	10	12	30	47	21
9	10	11	23	47	25
10	9	12	23	38	21
11	9	11	25	33	22
12	10	13	25	38	22
13	12	22	25	41	19
14	10	25	17	41	19
15	7	25	30	41	17
16	6	25	20	43	15
17	5	25	21	38	14
18	4	28	28	37	15
19	6	26	30	31	11
20	4	27	26	32	12
21	5	28	25	26	15
22	5	34	19	27	16
23	3	39	16	27	15
24	7	46	17	22	15
25	4	200	16	23	17
26	3	151	21	14	16
27	7	74	24	14	15
28	7	187	24	29	14
29	8	68	61	28	13
30	8	49	74	28	14
31	11	..	74	30	..
Mean	8	41	31	39	18
Max.	13	200	74	87	29
Min.	3	11	16	14	11
A.F.	480	2430	1910	2380	1070

TUB SPRINGS BELOW ENTERPRISE
CANAL—Sec. 32-23-55 W.

Water Year Ending September 30, 1948

Day	May	June	July	Aug.	Sept.
1	15	42	89	16	11
2	15	54	78	12	14
3	16	64	54	22	13
4	16	66	65	30	9
5	19	67	35	26	12
6	31	98	31	78	15
7	13	43	7	44	78
8	3	22	6	30	98
9	5	23	19	27	78
10	15	9	10	33	69
11	11	21	10	26	62
12	7	20	14	16	63
13	3	27	22	13	58
14	3	49	146	12	60
15	2	73	121	8	61
16	2	82	111	2	54
17	2	106	107	1	55
18	2	80	114	2	54
19	2	79	97	2	61
20	2	93	69	1	55
21	2	84	53	1	18
22	3	103	55	1	39
23	2	101	43	1	93
24	97	87	24	1	86
25	89	81	30	1	82
26	62	93	31	1	78
27	53	107	9	2	82
28	65	110	9	6	89
29	58	95	5	7	94
30	43	90	3	4	94
31	43	..	2	..	..
Mean	22	68	47	14	58
Max.	97	107	146	78	98
Min.	2	9	2	1	9
A.F.	1360	4040	2910	860	3440

BUREAU OF IRRIGATION

WHITE RIVER AT CRAWFORD—Sec. 3-31-52 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	20	26	18	20	21	27	28	22	19	28	8
2	17	20	26	20	20	13	27	30	20	20	43	10
3	16	21	25	25	20	15	26	28	38	19	21	10
4	16	22	25	23	21	17	25	28	30	18	20	9
5	15	21	23	25	21	18	26	29	22	18	22	8
6	15	25	22	24	20	18	25	29	22	17	47	10
7	16	25	22	27	20	18	25	29	21	20	24	17
8	14	22	20	28	20	17	24	35	20	19	20	20
9	14	25	20	26	18	16	24	43	19	20	17	14
10	15	25	20	25	16	15	23	29	19	18	16	13
11	16	22	20	25	15	14	24	26	19	17	15	12
12	16	20	20	20	15	16	23	25	20	17	16	11
13	17	21	23	20	17	20	23	25	20	17	15	12
14	17	22	25	25	19	228	22	25	20	18	14	11
15	18	22	22	22	22	360	22	24	20	20	14	11
16	19	25	20	20	30	37	22	23	21	17	14	11
17	20	23	23	18	43	38	22	22	66	18	13	11
18	19	20	29	19	88	98	22	22	52	69	13	11
19	18	22	25	20	93	85	23	21	31	26	12	11
20	17	19	25	22	36	71	24	21	29	22	12	11
21	17	18	25	25	30	39	23	21	30	19	11	14
22	18	16	25	27	29	34	23	23	31	18	11	12
23	19	18	24	22	33	33	23	27	36	18	10	14
24	20	22	24	21	29	33	28	34	34	15	10	14
25	21	32	25	22	29	31	33	28	29	14	10	14
26	22	31	24	16	28	32	33	23	31	14	10	15
27	23	31	23	15	30	31	30	21	28	13	11	15
28	21	28	23	16	32	29	28	22	27	13	10	15
29	21	26	22	17	29	27	23	23	15	10	13	15
30	21	26	22	17	...	29	29	23	21	14	10	14
31	20	...	19	20	...	28	...	22	...	13	8	...
Mean	18	23	23	22	29	48	25	26	27	19	16	12
Max.	23	32	29	28	93	360	33	43	66	69	47	20
Min.	14	16	19	15	15	13	22	21	19	13	8	8
A.F.	1100	1370	1420	1330	1670	2940	1500	1600	1630	1180	1000	741

Total acre-feet 17480.

WINTERS CREEK NEAR SCOTTSBLUFF—Sec. 30-22-54 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	133	69	61	55	56	53	48	45	84	65	62	76
2	136	69	59	55	56	53	48	45	80	60	67	87
3	132	69	59	55	55	53	48	35	70	51	75	89
4	134	69	59	55	55	53	49	57	75	57	70	91
5	136	69	58	54	55	53	50	27	67	59	56	93
6	130	69	57	54	54	53	50	27	56	53	64	86
7	126	69	57	54	55	52	48	21	49	44	67	112
8	125	69	56	54	54	52	50	15	46	38	72	114
9	128	70	55	54	55	53	50	29	46	42	72	116
10	123	70	54	54	53	52	51	53	51	43	69	112
11	128	69	54	53	53	53	51	38	48	44	61	112
12	119	69	53	58	54	54	47	16	48	30	45	111
13	113	69	53	62	53	56	46	16	53	23	30	102
14	102	69	58	62	53	56	46	16	53	167	34	99
15	115	69	58	61	53	57	46	15	46	106	43	94
16	88	69	58	60	54	55	45	28	123	107	42	90
17	84	69	61	59	54	53	46	51	162	97	36	95
18	82	69	60	58	52	53	45	35	95	101	32	96
19	81	68	58	58	52	52	44	24	90	90	34	107
20	81	67	58	58	52	52	44	19	94	83	43	104
21	80	65	59	58	52	50	44	20	87	65	45	85
22	80	65	59	58	52	50	44	82	97	55	54	99
23	81	63	58	58	52	49	44	89	85	55	44	124
24	77	62	59	56	52	49	49	280	75	54	37	89
25	77	62	61	56	53	50	46	119	82	72	34	86
26	77	62	62	56	53	49	46	103	82	62	61	89
27	76	61	62	54	53	48	46	89	76	46	70	104
28	73	61	62	55	53	48	46	84	71	51	81	116
29	72	61	62	55	53	48	46	77	74	52	88	131
30	71	61	62	56	...	48	45	78	73	58	76	131
31	69	...	59	56	...	48	...	80	...	61	68	...
Mean	101	67	59	56	54	52	47	55	75	64	56	101
Max.	136	70	62	56	57	57	51	280	162	167	88	131
Min.	69	61	53	53	52	48	44	15	46	23	30	76
A.F.	6210	3970	3590	3470	3080	3180	2790	3400	4440	3950	3440	6030

Total acre-feet 47550.

REPORT OF THE STATE ENGINEER

WOOD RIVER NEAR RIVERDALE—Sec. 31-10-16 W.
Water Year Ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	2	3	3	4	100	4	3	3	13	119	1
2	1	2	3	3	4	60	4	3	3	7	88	1
3	1	3	3	3	4	12	4	4	2	4	49	1
4	1	2	3	3	4	10	4	3	2	4	24	1
5	1	2	3	3	4	8	4	3	2	4	21	1
6	1	2	3	4	4	5	4	3	2	3	25	1
7	0	2	3	12	4	5	4	3	2	3	14	1
8	0	2	3	51	4	5	4	3	2	3	10	1
9	1	2	3	44	4	5	4	3	2	3	7	1
10	0	2	3	26	4	5	4	4	2	5	6	1
11	0	2	3	50	4	5	4	3	2	5	6	1
12	2	2	3	37	4	5	4	4	2	5	8	1
13	2	2	3	19	5	5	4	4	2	4	26	1
14	2	2	3	17	5	104	4	4	2	4	144	1
15	2	2	3	10	5	687	4	4	2	3	73	1
16	1	3	2	8	10	1100	4	4	2	4	37	1
17	1	2	3	8	18	1440	4	5	5	5	12	1
18	2	2	2	7	13	544	4	5	47	4	6	1
19	2	3	3	6	9	142	4	3	19	10	3	1
20	2	3	3	6	7	73	4	3	6	11	3	1
21	2	2	3	4	7	45	4	3	31	32	3	1
22	2	2	3	4	6	24	4	2	25	26	2	1
23	2	2	3	4	6	15	3	3	27	9	0	0
24	2	2	3	4	14	9	2	2	226	4	1	1
25	3	2	3	4	15	6	2	2	102	4	1	1
26	2	2	3	4	48	5	2	2	38	3	1	0
27	2	3	3	4	105	4	3	2	116	2	9	0
28	2	3	3	4	137	4	3	3	443	6	5	0
29	2	3	3	4	325	4	3	2	166	457	2	1
30	2	3	3	4	.	4	3	3	34	190	1	1
31	2	.	3	4	.	4	.	3	.	253	1	.
Mean	2	2	3	12	27	143	4	3	44	35	23	1
Max.	3	3	3	51	325	1440	4	5	443	457	144	1
Min.	0	2	2	3	4	4	2	2	2	2	0	0
A.F.	95	142	174	726	1560	8820	215	197	2620	2170	1400	41

Total acre-feet 18160.

SUMMARY
ANNUAL DIVERSIONS IN ACRE-FEET BY PROJECTS

North Platte and Platte River Basins
Wyoming-Nebraska Line to Odessa, Nebraska

	Water Year Ending September 30, 1947			Water Year Ending September 30, 1948		
	Acreage reported	Water diverted	Acre-ft. per acre	Acreage reported	Water diverted	Acre-ft. per acre
Alliance (2).....	6286	10740	1.71	6286	14080	2.24
Bearline* (1).....	2043	1280	0.63	2080	1440	0.69
Belmont† (2).....	14181	21580	1.52	13865	24420	1.76
Birdwood (1).....	5614	4820	0.86	5834	7050	1.21
Blue Creek (1).....	2917	8980	3.08	2918	10010	3.44
Browns Creek (1).....	6190	7100	1.15	6079	7800	1.28
Castle Rock (1).....	6128	16030	2.62	6128	18120	2.96
Central (1).....	2092	4500	2.15	2092	3620	1.73
Chimney Rock (1).....	6416	8480	1.32	5522	10350	1.87
Cody-Dillon (1).....	5053	3580	0.71	5053	4856	0.96
Court House Rock (1).....	1480	5080	3.43	1469	2860	1.95
Cozad* (1).....	25190	13380	0.53	25190	20910	0.83
Dawson County* (1).....	95846	39840	0.42	98347	57840	0.59
Elm Creek* (1).....	15733	4480	0.28	15801	9810	0.62
Empire (0).....	1624	**		1624	1290	0.79
Enterprise* (2).....	7039	18760	2.67	7266	21950	3.02
Gering* (1).....	14265	19730	1.38	14273	27320	1.91
Gothenburg**** (2).....	22405	18240	0.81	22405	38090	1.70
Graf (1).....	2089	3790	1.81	2089	2190	1.05
Hooper (1).....	877	3220	3.67	877	3430	3.91
Kearney**** (2).....	4250	3000	0.71	4250	5550	1.31
Keith-Lincoln (1).....	6173	21370	3.46	5922	25000	4.22
Keystone (0).....	2756	0	0.00	3295	0	0.00
Last Chance (1).....	442	900	2.04	453	1710	3.77
Lisco (1).....	3510	4810	1.37	3810	6150	1.61
Lyons (1).....	968	1520	1.57	968	1590	1.64
Meredith-Ammer (1).....	435	1000	2.30	435	960	2.21
Midland-Overland (1).....	1780	2730	1.53	2071	2260	1.09
Minatare (1).....	7693	12960	1.68	9272	14500	1.56
Mitchell* (1).....	13634	38010	2.79	13634	25170	1.85
Nine Mile (1).....	5868	12890	2.20	5838	17210	2.95
North Platte* (1).....	14199	40260	2.84	14048	46500	3.31
Northport* (1).....	16109	63350	3.93	16109	74500	4.62
Orchard-Alfalfa* (1).....	6270	4090	0.65	5950	2950	0.50
Oshkosh (1).....	2354	2010	0.85	1762	1980	1.12
Paisley (1).....	1310	3260	2.49	1310	2810	2.15
Paxton-Hershey (1).....	7458	13170	1.77	7458	14590	1.96
Ramshorn* (1).....	1619	3180	1.96	1619	2980	1.84
Sheridan-Wilson (1).....	700	2290	3.27	918	3000	3.27
Short Line (1).....	2697	2380	0.88	2803	2940	1.05
Six Mile* (1).....	1810	1460	0.81	1173	1880	1.60
Spohn (1).....	1166	420	0.36	1354	1110	0.82

ANNUAL DIVERSIONS IN ACRE-FEET BY PROJECTS—Concluded.

North Platte and Platte River Basins
Wyoming-Nebraska Line to Odessa, Nebraska

	Water Year Ending September 30, 1947			Water Year Ending September 30, 1948		
	Acreage reported	Water diverted	Acre-ft. per acre	Acreage reported	Water diverted	Acre-ft. per acre
Suburban* (1).....	7026	10800	1.54	6721	20380	3.03
Sutherland*** (2).....	.....	683810	.....	.....	886190	.....
Thirty-Mile* (1).....	21350	29190	1.37	23198	37170	1.60
Tri-County**** (3).....	75614	215857	2.85	79578	286531	3.60
Tri-State* (1).....	60798	161650	2.66	61692	196190	3.18
Union (1).....	2697	2380	0.88	1233	2580	2.09
Western (1).....	12974	26840	2.07	12974	35160	2.71
Winters Creek (2).....	5748	17420	3.03	5748	15640	2.72

Note:—Number in parenthesis following projects indicates the number of automatic recorders in operation on the project.

*Includes storage diversion.

***Diverted for power and irrigation.

****Irrigation only—does not include water used for power.

†Irrigation diversion for Empire Canal in 1947.

**No record.

**ABSTRACT OF CLOSING, OPENING OR REGULATION
ORDERS AND REQUESTS ISSUED DURING THE
1947 WATER YEAR**

Date Issued	By Whom Issued	To Whom Issued	Date Closed to	Remarks
8-2	R. H. Willis	Larry Garamillo	Oct. 17, 1946	.....
8-2	do	Frank B. Ludden	Oct. 17, 1946	.....
8-2	do	L. B. Hall	Oct. 17, 1946	.....
8-2	do	T. O. Haiston	Oct. 17, 1946	.....
8-4	do	Frank B. Ludden	Oct. 6, 1932	.....
8-4	do	L. B. Hall	Oct. 6, 1932	.....
8-4	do	T. O. Haiston	Oct. 6, 1932	.....
8-4	do	Larry Garamillo	Oct. 6, 1932	.....

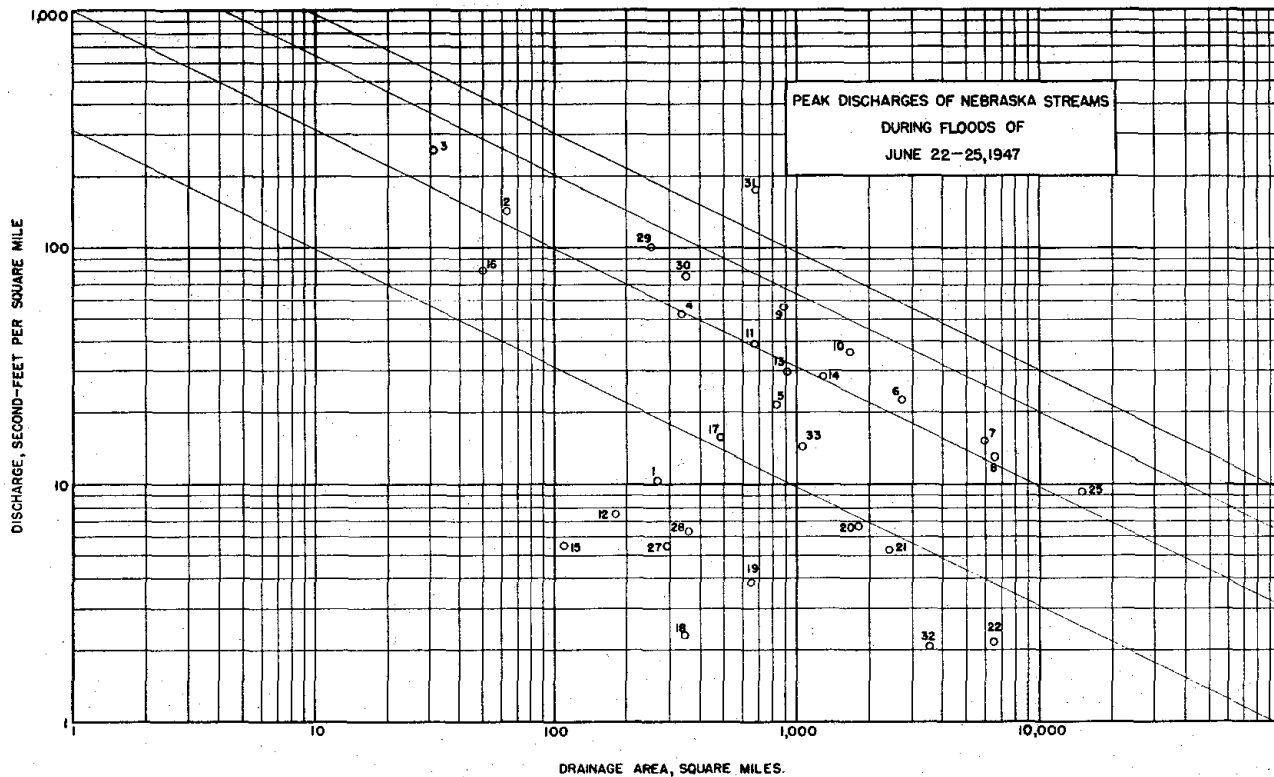
**ABSTRACT OF CLOSING, OPENING OR REGULATION
ORDERS AND REQUESTS ISSUED DURING THE
1948 WATER YEAR**

Date Issued	By Whom Issued	To Whom Issued	Date Closed to	Remarks
5-7	R. H. Willis	Frank B. Ludden	.....	Permit Farmers District to divert 350 sec.-ft.
5-14	R. H. Willis	L. B. Hall	.....	Regulation on Blue Creek
5-18	R. H. Willis	C. R. Pledger	Dec. 31, 1933	
5-18	R. H. Willis	Elmer Donahue	Dec. 31, 1933	
5-18	R. H. Willis	T. O. Haiston	Dec. 31, 1933	
5-18	R. H. Willis	Frank B. Ludden	Dec. 31, 1933	
5-18	R. H. Willis	Frank B. Ludden	.....	Regulating Tri-State Canal Diversion
5-18	R. H. Willis	E. O. Daggett	.....	Regulating Tri-State Canal Diversion
5-18	R. H. Willis	N. P. Nelson	.....	Regulating Tri-State Canal Diversion
5-20	R. H. Willis	C. R. Pledger	Sept. 23, 1894	
5-20	R. H. Willis	Elmer Donahue	Sept. 23, 1894	
5-20	R. H. Willis	T. O. Haiston	Sept. 23, 1894	
5-20	R. H. Willis	Frank B. Ludden	Sept. 23, 1894	
5-21	R. H. Willis	C. R. Pledger	Mar. 26, 1894	
5-21	R. H. Willis	Elmer Donahue	Mar. 26, 1894	
5-21	R. H. Willis	T. O. Haiston	Mar. 26, 1894	
5-21	R. H. Willis	Frank B. Ludden	Mar. 26, 1894	
5-25	R. H. Willis	C. R. Pledger	Jan. 24, 1895	
5-25	R. H. Willis	Elmer Donahue	Jan. 24, 1895	
5-25	R. H. Willis	T. O. Haiston	Jan. 24, 1895	
6-4	R. H. Willis	C. R. Pledger	May 30, 1933	

ABSTRACT OF CLOSING, OPENING OR REGULATION
ORDERS AND REQUESTS ISSUED DURING THE
1948 WATER YEAR—Concluded

Date Issued	By Whom Issued	To Whom Issued	Date Closed to	Remarks
6- 4	R. H. Willis	Elmer Donahue	May 30, 1933	
6- 4	R. H. Willis	T. O. Haiston	May 30, 1933	
6- 4	R. H. Willis	Frank B. Ludden	May 30, 1933	
7-29	R. H. Willis	C. R. Pledger	Sept. 21, 1894	
7-29	R. H. Willis	Elmer Donahue	Sept. 21, 1894	
7-29	R. H. Willis	T. O. Haiston	Sept. 21, 1894	
7-29	R. H. Willis	Frank B. Ludden	Sept. 21, 1894	
7-31	R. H. Willis	C. R. Pledger	June 15, 1894	
7-31	R. H. Willis	Elmer Donahue	June 15, 1894	
7-31	R. H. Willis	T. O. Haiston	June 15, 1894	
7-31	R. H. Willis	Frank B. Ludden	June 15, 1894	
8-12	R. H. Willis	C. R. Pledger	May 30, 1933	
8-12	R. H. Willis	Elmer Donahue	May 30, 1933	
8-12	R. H. Willis	T. O. Haiston	May 30, 1933	
8-12	R. H. Willis	Frank B. Ludden	May 30, 1933	
8-24	R. H. Willis	C. R. Pledger	Sept. 21, 1894	
8-24	R. H. Willis	Elmer Donahue	Sept. 21, 1894	
8-24	R. H. Willis	T. O. Haiston	Sept. 21, 1894	
8-24	R. H. Willis	Frank B. Ludden	Sept. 21, 1894	
8-30	R. H. Willis	C. R. Pledger	Sept. 18, 1929	
8-30	R. H. Willis	Elmer Donahue	Sept. 18, 1929	
8-30	R. H. Willis	T. O. Haiston	Sept. 18, 1929	
8-30	R. H. Willis	Frank B. Ludden	Sept. 18, 1929	
9- 1	R. H. Willis	C. R. Pledger	May 30, 1933	In force to Sept. 30, 1948
9- 1	R. H. Willis	Elmer Donahue	May 30, 1933	In force to Sept. 30, 1948
9- 1	R. H. Willis	T. O. Haiston	May 30, 1933	In force to Sept. 30, 1948
9- 1	R. H. Willis	Frank B. Ludden	May 30, 1933	In force to Sept. 30, 1948

PEAK DISCHARGES OF NEBRASKA STREAMS DURING FLOODS OF JUNE 22-25, 1947



SUMMARY OF FLOOD DISCHARGES IN THE LOWER PLATTE RIVER BASIN—JUNE, 1947

No.	Stream and Place of Determination	Drainage Area (Square Miles)	Period of Record	Maximum Flood Previously Known				Maximum During Present Flood				
				Date	Gage Height (Feet)	Discharge		Date	Time	Gage Height (Feet)	Discharge	
						Second-foot	Second-foot Per Square Mile				June 1947	Second-foot	Second-foot Per Square Mile
1	Plum Creek near Smithfield.....	268	1946-48	Sept. 7, 1946	7.89	141	0.53	23	6:00 P. M.	18.63	2,800	10.4
2	Buffalo Creek near Darr.....	63	1946-48					22	9:00 A. M.	18.4	9,000 ²	143.0
3	Elm Creek near Overton.....	31.3	1946-48					22	12:20 P. M.	19.65	8,000 ³	255.0
4	Wood River near Riverdale.....	379	1946-48	Sept. 19, 1946	7.32	362	0.96	22	2:00 P. M.	19.75	20,000 ⁴	52.7
5	Middle Loup River at Arcadia.....	830	1937-48	May 27, 1945	°	9,700	11.7	22	4:30 A. M.	6.24	18,000 ⁵	21.7
6	Middle Loup River at St. Paul....	3200	1896-97; 1899; 1903; 1928-48	Mar. 19, 1932	°	18,000 ⁷	5.62	23	2:00 A. M.	10.69	72,000	22.5
7	Loup River near Genoa.....	5950	1928-32; 1943-48	May 31, 1932	4.60 ⁸	29,200	4.92	23	12:00 Noon	10.12	90,000	15.1
8	Loup River at Columbus.....	6530	1894-1915; 1931; 1933-48	June 6-7, 1896	12.55 ⁹	70,000	10.7	23	6:00 P. M.	10.0	85,000	13.0
9	South Loup River at Ravenna.....	890	1940-48	June 9, 1945	7.68	°	°	22	°	12.6	50,000 ⁵	56.2
10	South Loup River at St. Michael..	1650	1943-48	June 9, 1945	°	7,600 ⁹	4.60	22	°	°	60,000 ⁵	36.4
11	Mud Creek near Sweetwater.....	678	1946-48	Sept. 21, 1946	6.28	162	0.24	22	12:00 A. M.	23.20	26,600	39.2
12	North Loup at Taylor.....	180	1936-48	Sept. 2, 1942	°	2,480	13.8	22	5:30 A. M.	5.71	1,340	7.5
13	North Loup River at Scotia.....	910	1936-48	May 27, 1945	6.27	19,000 ⁵	20.9	22	3:00 P. M.	8.18	32,000 ⁵	34.8
14	North Loup River at St. Paul....	1270	1895-97; 1928-48	June 6, 1896	°	90,000 ¹⁰	70.9	22	9:50 P. M.	6.60	36,000	28.4
15	Calamus River near Burwell.....	110	1940-48	Mar. 20, 1943		770 ⁹		22	2:00 A. M.	2.91	606	5.5
16	Cedar River near Spalding.....	50	1945-48	July 16, 1945	3.72	497	10.0	23	4:00 P. M.	7.50	4,000 ²	80.0
17	Cedar River near Fullerton.....	480	1931-32; 1940-48	June 22, 1941	8.60	6,500	13.6	23	6:00 A. M.	8.40	7,510	15.7
18	Beaver Creek near Loretto.....	345	1944-48	May 30, 1946	8.15	536	1.55	12	5:30 P. M.	9.87	793	2.3
19	Beaver Creek at Genoa.....	627	1940-48	June 21, 1942	15.5	3,930	6.25	22	12:00 M.	11.20	2,410	3.84
20	Elkhorn River at Neligh.....	1800	1931-48	June 3, 1935	9.44	4,610	2.56	23	8:30 P. M.	12.53	12,000	6.67

21	Elkhorn River at Norfolk.....	2390	1896-1903; 1945-48	May 13, 1944	11.8 ¹¹	14,300	5.98	26	4:00 A. M.	11.1	12,600	5.27
22	Elkhorn River at Waterloo.....	6500	1911-13; 1928-48	June 12, 1944	16.6 ¹	100,000	15.4	13	2:00 P. M.	7.16	14,100	2.17
	Platte River near Overton.....		1918-23; 1925-48	June 5, 1935	6.25	37,600		23	5:00 P. M.	6.03	18,700	
	Platte River near Odessa.....		1937-48	May 10, 1942		17,500		24	2:30 A. M.	5.52	22,700	
	Platte River near Grand Island....		1933-48	June 6, 1935	5.99	30,000		23	9:00 P. M.	5.66	20,300	
	Platte River near Duncan.....		1895-1915; 1928-48	June 23, 1905		51,100		24	7:00 P. M.	5.91	23,800	
	Platte River near Ashland.....		1928-48	June 12, 1944		107,000		25	5:00 A. M.	7.85	79,400	
23	Republican River at Culbertson....	5,000	1931-48	May 31, 1935	11.4 ¹	200,000 ¹²	40.0	6		5.46	13,000	
24	Republican River near Cambridge..	8,870	1945-48	July 3, 1946	7.55	6						
25	Republican River near Bloomington	15,100	1929-48	July 1, 1935	20.4 ¹⁸	260,000 ²	17.2	23	6:30 A. M.	15.1	140,000	9.27
26	Frenchman Creek at Culbertson....	1,570	1931-48	May 31, 1935	6	15,000 ¹⁰	9.56				242	
27	Blackwood Creek near Culbertson..	290	1946-48	June 18, 1946	7.17	394	1.36	22	2:30 A. M.	13.67	1,600 ⁸	5.52
28	Driftwood Creek near McCook.....	360	1946-48	Sept. 9, 1946	20.57	3,400 ²	9.45	25	3:00 P. M.	18.85	2,270	6.30
29	Red Willow Creek near McCook....	300	1940-48	June 5, 1945	14.73	3,120	10.4	22		22.4 ¹	30,000 ⁴	100
30	Red Willow Creek near Red Willow	400	1939-48	June 2, 1941	12.4 ⁸	4,610	11.5	22	4:40 A. M.	18.36	30,000 ²	75.0
31	Medicine Creek near Cambridge....	680	1936-43; 1944-48	Apr. 19, 1942	15.41 ⁸	15,000 ²	22.1	22	7:30 A. M.	21.5 ¹	120,000 ²	176
32	Sappa Creek near Stamford.....	3,560	1946-48	July 14, 1944	18.0 ¹²	4,760 ¹³	1.34	22	5:30 A. M.	20.10	7,430 ¹⁴	2.09
33	Prairie Dog Creek near Woodruff..	1,050	1945-48	June 24, 1945	17.57	1,580	1.50	23	1:00 A. M.	21.04	15,000 ¹⁵	14.3

¹ From floodmarks. ² By slope-area measurement. ³ From area-velocity studies. ⁴ By contracted-opening determination. ⁵ Estimated from unit runoff studies; approximate discharge only, not published in U.S.G.S. Water Supply papers. ⁶ Not determined. ⁷ From float measurements. ⁸ Site and datum then in use. ⁹ Maximum daily. ¹⁰ Estimated. ¹¹ From U. S. Weather Bureau. ¹² Referred to mark on bridge. ¹³ Discharge measurement at crest. ¹⁴ From rating curve extended above, 4,800 second-feet. ¹⁵ From rating curve extended above 3,500 second-feet.

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DAILY CANAL DISCHARGES

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BUREAU OF IRRIGATION

ALLIANCE DIVERSION						
Red Willow Creek—1947						
Day	May	June	July	Aug.	Sept.	
1	0	35	0	55	53	
2	0	35	0	55	54	
3	0	38	0	56	51	
4	0	39	0	56	50	
5	0	38	0	57	41	
6	0	40	0	58	38	
7	0	30	0	57	43	
8	0	13	0	54	43	
9	0	0	0	47	43	
10	0	4	0	51	38	
11	0	16	0	48	35	
12	0	12	12	51	23	
13	0	0	33	52	26	
14	13	0	32	37	26	
15	9	0	41	31	28	
16	8	0	9	36	28	
17	8	18	27	43	20	
18	10	2	27	44	20	
19	18	0	40	51	17	
20	21	0	49	50	12	
21	32	0	32	50	17	
22	37	0	0	50	21	
23	37	0	17	51	17	
24	38	0	39	51	14	
25	40	0	37	56	15	
26	36	0	35	58	21	
27	37	0	30	45	18	
28	30	0	42	53	23	
29	21	0	48	51	23	
30	30	0	55	53	18	
31	30	.	58	54	.	
Mean	15	11	21	50	29	
Max.	40	40	58	58	54	
Min.	0	0	0	31	12	
A.F.	900	630	1310	3100	1740	
Water diverted 7680 A. F.						
Acreeage reported						
					D-874	4022
					A-1181	80
					A-1432	60
					A-1436	18
					Total	4180

ALLIANCE DIVERSION						
Bayard Sugar Factory Drain—1947						
Day	May	June	July	Aug.	Sept.	
1	0	23	0	25	0	
2	0	22	0	25	3	
3	0	23	0	24	3	
4	0	25	0	20	2	
5	8	25	0	27	2	
6	8	27	0	26	3	
7	8	28	0	25	3	
8	3	35	0	25	3	
9	3	16	0	23	4	
10	0	4	0	25	3	
11	0	27	0	27	8	
12	10	30	0	30	0	
13	8	1	0	28	0	
14	25	0	0	19	0	
15	27	0	0	6	0	
16	13	4	0	7	0	
17	23	35	0	7	0	
18	24	20	0	0	0	
19	28	0	0	12	0	
20	36	0	0	15	0	
21	30	0	0	13	0	
22	33	0	6	10	0	
23	32	0	11	0	0	
24	29	0	11	0	0	
25	28	0	20	0	0	
26	29	0	8	15	0	
27	30	0	9	6	0	
28	36	0	23	0	0	
29	37	0	25	0	0	
30	32	0	25	0	0	
31	27	.	24	0	.	
Mean	18	11	5	14	1	
Max.	37	35	25	30	4	
Min.	0	0	0	0	0	
A.F.	1120	680	320	870	70	
Water diverted 3060 A. F.						
Acreeage reported						
					D-874	2106

ATKINS-POLLY DIVERSION						
From Lodgepole Creek—1947						
Day	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	1	
6	2	0	0	0	1	
7	2	0	0	0	1	
8	1	0	0	0	1	
9	2	0	0	0	1	
10	1	0	0	0	0	
11	1	0	0	0	0	
12	2	0	0	0	0	
13	2	0	0	0	1	
14	2	0	0	0	1	
15	2	0	0	0	1	
16	1	0	0	0	1	
17	2	0	0	0	1	
18	1	0	0	0	1	
19	1	0	0	0	1	
20	1	0	0	0	1	
21	2	0	0	0	1	
22	0	0	0	0	2	
23	0	0	0	0	2	
24	0	0	0	0	2	
25	0	0	0	0	2	
26	0	0	0	0	2	
27	0	0	0	0	2	
28	0	0	0	0	2	
29	0	0	0	0	2	
30	0	0	0	0	2	
31	0	0	0	0	.	
Mean	1	0	0	0	1	
Max.	2	0	0	0	2	
Min.	0	0	0	0	0	
A.F.	60	0	0	0	60	
Water diverted 120 A. F.						
Acreeage reported						
					D-342	55

BEERLINE DIVERSION						
From North Platte River—1947						
Day	May	June	July	Aug.	Sept.	
1	0	11	0	4	0	
2	0	11	0	4	0	
3	0	13	0	4	14	
4	0	14	0	9	15	
5	0	15	0	13	15	
6	0	9	0	12	15	
7	0	1	0	11	15	
8	0	2	0	10	15	
9	0	2	0	8	15	
10	0	2	0	6	16	
11	0	0	0	6	5	
12	0	0	2	6	0	
13	3	0	5	7	0	
14	6	0	8	8	0	
15	6	0	8	8	0	
16	6	1	9	2	0	
17	7	2	10	1	0	
18	6	3	9	0	0	
19	6	5	5	0	0	
20	8	2	3	0	0	
21	8	2	2	3	2	
22	8	2	10	6	6	
23	7	3	0	3	6	
24	5	1	0	3	5	
25	6	1	0	3	5	
26	7	1	0	3	6	
27	4	6	0	3	6	
28	6	4	0	3	6	
29	10	6	0	4	7	
30	7	4	0	2	8	
31	11	.	3	0	0	
Mean	4	4	2	5	6	
Max.	11	15	10	13	15	
Min.	0	0	0	0	0	
A.F.	250	240	150	300	340	
Water diverted 1280 A. F.						
Acreeage reported						
					D-887	2043

REPORT OF THE STATE ENGINEER

BELMONT DIVERSION

From North Platte River—1947						
Day	May	June	July	Aug.	Sept.	
1	0	77	37	66	115	
2	0	74	35	83	105	
3	0	69	34	85	106	
4	0	65	35	109	102	
5	0	67	31	115	102	
6	0	69	32	114	99	
7	64	53	34	108	97	
8	73	65	43	111	109	
9	73	64	45	108	115	
10	73	55	51	112	114	
11	73	41	50	112	97	
12	73	35	51	111	73	
13	73	31	58	115	80	
14	81	28	65	118	91	
15	92	38	70	120	91	
16	95	38	81	112	97	
17	77	35	81	95	90	
18	67	35	76	116	57	
19	67	37	65	114	61	
20	84	43	74	112	65	
21	81	46	77	115	65	
22	80	43	71	115	65	
23	87	37	49	112	70	
24	88	37	43	88	95	
25	85	36	47	118	85	
26	87	38	49	106	80	
27	81	38	49	105	65	
28	76	31	51	104	67	
29	85	28	51	90	69	
30	60	37	60	101	69	
31	69		62	85		
Mean	63	46	53	106	86	
Max.	92	77	81	120	114	
Min.	0	28	31	66	61	
A. F.	3880	2760	3280	6500	5150	
Water diverted 21580 A. F.						
Acreage reported D-828 14225						

BICKEL DIVERSION

From Lodgepole Creek—1947						
Day	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	2	2	
8	0	0	0	2	2	
9	0	0	0	2	2	
10	0	0	0	2	2	
11	0	0	0	2	2	
12	0	0	0	3	2	
13	0	0	0	3	2	
14	0	0	0	3	2	
15	0	0	0	2	2	
16	0	0	0	2	2	
17	0	0	0	2	2	
18	0	0	0	2	2	
19	0	0	0	2	2	
20	0	0	0	2	2	
21	0	0	0	2	2	
22	0	0	0	2	2	
23	0	0	0	2	2	
24	0	0	0	0	0	
25	0	0	0	0	2	
26	0	0	0	0	2	
27	0	0	0	0	0	
28	0	0	0	2	2	
29	0	0	0	2	2	
30	0	0	0	2	2	
31	0	0	0	2	2	
Mean	0	0	0	1	2	
Max.	0	0	0	3	2	
Min.	0	0	0	0	2	
A. F.	0	0	90	120	90	
Water diverted 300 A. F.						
Acreage reported D-347 22						
A-719 61						

Total 83

BIRDWOOD DIVERSION

From Birdwood Creek—1947						
Day	May	June	July	Aug.	Sept.	
1	0	17	7	32	23	
2	0	17	23	34	23	
3	0	17	6	8	23	
4	0	29	6	41	29	
5	0	11	18	40	27	
6	0	9	18	44	28	
7	0	10	32	47	28	
8	0	9	22	43	33	
9	0	15	24	42	40	
10	0	0	25	48	6	
11	0	0	26	44	12	
12	0	0	33	16	18	
13	0	0	37	66	8	
14	0	3	0	26	5	
15	18	4	0	29	7	
16	7	3	0	32	6	
17	7	9	0	32	7	
18	10	22	25	29	7	
19	11	0	22	30	10	
20	1	0	22	31	10	
21	14	4	22	30	19	
22	0	17	5	28	9	
23	18	0	4	33	9	
24	11	0	2	33	19	
25	10	0	17	27	22	
26	8	0	18	28	15	
27	9	6	18	30	15	
28	3	6	20	24	15	
29	0	9	21	21	24	
30	0	12	22	30	19	
31	15	8	28	24	28	
Mean	5	8	17	33	17	
Max.	18	29	37	66	40	
Min.	0	0	0	8	5	
A. F.	280	450	1040	2030	1020	
Water diverted 4820 A. F.						
Acreage reported D-645 5614						

Record computed from water commissioner's spot readings. The automatic recorder was not in operation this season.

BLUE CREEK DIVERSION

From Blue Creek and Crescent Lake—1947						
Day	Oct.	May	June	July	Aug.	Sept.
1	23	0	2	0	36	35
2	32	0	3	5	36	35
3	40	0	7	8	37	35
4	50	0	10	9	36	36
5	48	6	9	2	34	39
6	45	16	0	0	35	39
7	37	27	0	7	37	38
8	36	37	0	13	36	39
9	25	40	1	15	35	37
10	23	41	1	19	33	38
11	17	41	0	12	33	46
12	16	43	1	9	35	49
13	15	44	1	8	37	35
14	13	41	6	22	34	32
15	10	38	11	20	34	33
16	11	39	10	21	32	33
17	11	39	7	25	33	34
18	0	36	9	28	35	33
19	0	29	1	30	35	32
20	0	32	2	34	34	33
21	6	31	17	36	33	32
22	14	34	5	39	32	32
23	16	36	2	40	34	34
24	11	37	10	39	40	34
25	7	35	20	38	38	34
26	8	35	23	38	37	34
27	8	34	27	34	37	34
28	9	37	28	34	37	36
29	9	20	18	32	35	41
30	9	20	2	34	37	42
31	8	4		35	37	
Mean	18	28	8	22	35	36
Max.	50	44	28	40	40	49
Min.	0	0	0	0	32	32
A. F.	1100	1730	460	1360	2180	2150
Water diverted 8980 A. F.						
Acreage reported D-785 2549						
D-795 338						
A-1154 30						

Total 2917

BUREAU OF IRRIGATION

613

BOX BUTTE RESERVOIR—MIRAGE FLAT PROJECT
Niobrara River, Storage in Acre-feet—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15	10600	12000	14550	16220	17600	19200	21700	22600	22500	27500	23500	18950
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28					18500							
29												
30		13250					22500		26400			19000
31	11500		14540	17000		20600		22500		26900	20500	

BROWNS CREEK DIVERSION
From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	1	37
2	0	0	0	30	53
3	0	0	0	44	62
4	0	0	0	49	57
5	0	0	0	51	58
6	12	0	0	51	61
7	28	0	0	48	60
8	28	0	0	49	51
9	41	0	0	56	47
10	42	0	2	56	52
11	44	0	3	54	59
12	49	0	1	53	55
13	46	0	0	58	41
14	59	0	0	61	24
15	52	0	0	0	24
16	43	0	11	0	22
17	51	0	30	0	23
18	53	0	32	0	24
19	59	0	26	0	19
20	57	0	28	15	19
21	49	0	34	18	19
22	50	0	1	30	20
23	46	0	0	30	18
24	46	0	0	44	15
25	45	0	0	59	14
26	47	0	0	68	18
27	48	0	0	70	21
28	43	0	0	58	24
29	36	0	0	55	28
30	44	0	0	54	23
31	34	0	1	53	22
Mean	37	0	5	39	35
Max.	59	0	34	70	62
Min.	0	0	0	0	14
A. F.	2280	0	330	2410	2080

Water diverted 7100 A. F.
Acreage reported D-857, D-1033 6190

CASTLE ROCK DIVERSION
From North Platte River—1947

Day	April	May	June	July	Aug.	Sept.
1	0	41	31	0	102	80
2	0	47	31	0	98	82
3	0	46	30	0	102	77
4	0	44	32	0	83	83
5	0	48	28	0	79	76
6	0	55	29	0	77	74
7	0	64	37	0	77	72
8	0	68	42	25	78	70
9	0	72	40	40	84	71
10	0	62	36	33	58	72
11	0	69	32	24	76	76
12	0	67	37	20	80	73
13	0	63	40	13	72	60
14	0	56	40	14	71	64
15	0	56	41	59	67	58
16	0	54	40	48	72	67
17	0	50	35	52	69	67
18	0	50	0	57	70	41
19	0	51	0	55	67	39
20	0	54	0	55	66	35
21	0	45	22	54	68	44
22	0	41	26	50	66	53
23	17	41	10	52	68	52
24	39	47	6	62	66	47
25	41	48	6	58	70	45
26	42	48	15	66	64	60
27	42	47	12	72	71	74
28	42	27	9	72	67	66
29	43	48	16	79	66	66
30	44	28	10	98	80	70
31	26	26	100	69	80	70
Mean	10	50	24	41	74	64
Max.	44	72	42	100	102	83
Min.	0	26	0	0	58	35
A. F.	610	3100	1450	2500	4570	3800

Water diverted 16030 A. F.
Acreage reported D-921 6017
A-186R 111

Total 6128

CENTRAL DIVERSION
 From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	13	18	0	34	30
2	22	23	0	33	29
3	21	14	0	34	28
4	23	17	0	33	26
5	19	12	0	34	27
6	16	16	0	34	27
7	24	21	0	31	27
8	23	19	0	23	27
9	24	12	0	13	23
10	11	7	0	28	20
11	14	7	0	36	20
12	26	0	0	34	15
13	23	0	0	34	14
14	24	0	0	34	14
15	9	0	0	33	17
16	0	0	0	32	23
17	0	0	0	30	23
18	0	0	0	30	23
19	0	0	0	30	22
20	0	0	0	27	25
21	0	0	0	23	26
22	0	0	8	17	24
23	0	0	22	18	24
24	0	0	21	19	22
25	0	0	21	22	22
26	0	0	20	21	23
27	5	0	19	31	24
28	9	0	19	31	22
29	8	0	26	29	22
30	5	0	28	30	8
31	5	0	29	31	0
Mean	10	6	7	29	23
Max.	26	23	29	36	30
Min.	0	0	0	17	8
A.F.	640	330	420	1770	1340

 Water diverted 4500 A. F.
 Acreage reported
 D-926 2092

CHIMNEY ROCK DIVERSION
 From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	16	0	93	41
2	31	16	0	80	31
3	42	16	0	49	30
4	45	18	0	49	40
5	45	16	0	64	35
6	42	17	0	59	42
7	58	17	0	49	44
8	52	14	0	64	41
9	73	13	0	63	33
10	64	14	0	56	33
11	40	14	0	56	7
12	53	14	0	70	4
13	36	16	0	65	7
14	32	0	0	69	9
15	32	0	40	31	12
16	33	0	41	0	14
17	32	0	34	0	16
18	32	0	28	0	17
19	37	0	29	0	16
20	54	0	34	0	16
21	40	0	57	0	13
22	34	0	54	0	13
23	32	0	54	47	14
24	32	0	49	36	13
25	32	0	60	49	16
26	34	0	50	47	17
27	33	0	65	41	18
28	26	0	86	40	18
29	30	0	90	47	19
30	30	0	85	45	19
31	19	0	94	39	0
Mean	38	7	31	42	22
Max.	73	18	94	93	44
Min.	0	0	0	0	4
A.F.	2330	400	1880	2590	1280

 Water diverted 8480 A. F.
 Acreage reported
 D-844, 1031 6416

CIRCLE ARROW DIVERSION
 From Lodgepole Creek—1947

Day	May	June	July	Aug.	Sept.
1	1	2	4	0	0
2	3	3	4	0	0
3	3	3	4	0	1
4	3	3	4	0	1
5	1	2	4	0	0
6	1	2	2	0	0
7	1	2	2	0	1
8	1	4	2	0	3
9	1	4	2	0	0
10	1	4	4	0	0
11	1	4	4	0	0
12	2	4	4	0	0
13	2	4	4	0	0
14	2	3	3	0	0
15	2	3	3	0	0
16	2	3	3	0	0
17	2	3	3	0	0
18	2	2	3	0	0
19	2	3	3	0	0
20	3	2	3	0	0
21	2	9	0	0	1
22	2	2	0	0	1
23	2	5	0	0	1
24	2	5	0	0	3
25	2	4	0	0	3
26	2	4	0	0	3
27	2	4	0	0	2
28	2	4	0	0	2
29	2	4	0	0	1
30	3	4	0	0	1
31	2	0	0	0	0
Mean	2	4	2	0	1
Max.	3	9	4	0	3
Min.	1	2	0	0	0
A.F.	120	200	130	0	50

 Water diverted 500 A. F.
 Acreage reported
 D-346 220

CODY-DILLON DIVERSION
 From North Platte River—1947

Day	Oct.	May	June	July	Aug.	Sept.
1	0	0	5	3	4	21
2	0	0	2	2	14	20
3	0	0	2	2	32	18
4	0	0	5	2	31	18
5	0	0	0	2	31	18
6	0	0	0	1	37	18
7	0	0	0	1	36	20
8	0	0	0	0	37	24
9	0	0	2	0	38	24
10	0	0	8	0	39	31
11	0	3	4	2	39	29
12	0	6	12	12	38	16
13	0	4	14	10	32	15
14	0	2	10	16	32	13
15	0	0	6	14	35	11
16	0	0	5	12	34	10
17	0	1	3	15	37	8
18	0	2	4	15	37	6
19	0	3	4	14	37	5
20	0	5	3	16	40	4
21	0	3	3	15	40	3
22	0	0	6	16	38	2
23	0	0	5	16	37	1
24	0	1	4	16	36	0
25	0	2	4	12	35	0
26	0	0	4	10	37	0
27	0	0	3	10	37	0
28	0	5	2	8	31	0
29	0	15	3	5	31	0
30	0	7	3	6	23	0
31	0	3	0	6	21	0
Mean	0	2	4	8	33	11
Max.	0	15	14	16	40	31
Min.	0	0	0	0	4	0
A.F.	0	130	250	510	2030	660

 Water diverted 3580 A. F.
 Acreage reported
 D-649 5053

BUREAU OF IRRIGATION

COLUMBUS POWER DIVERSION NEAR GENOA

Diverted from Loup River—Sec. 6-16-4 W.
Water Year Ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1740	2240	2140	304	920	1220	2010	2290	1650	2040	1280	1150
2	1560	2180	877	521	832	1230	2090	2220	1880	1840	1260	1070
3	1500	2220	1190	648	1100	1350	2300	1980	2070	2090	1110	1040
4	2030	2290	2020	768	1410	1470	2460	1700	1450	2420	1030	1050
5	2650	2150	2100	800	1560	1550	2500	1630	1490	2290	944	1070
6	2470	2380	2090	816	1740	1610	2490	1700	1540	2280	896	1050
7	2860	2700	2070	816	1830	1700	2500	1790	1820	2220	920	1050
8	2990	2770	2100	936	1830	1900	2480	1840	2320	2090	848	1010
9	2920	2630	2100	1030	1690	1860	2290	1830	2230	1970	800	960
10	2960	2500	2200	1140	1550	1800	2440	1730	2230	1950	776	987
11	2850	1360	2140	1310	1540	1920	2400	1590	2450	1950	784	1180
12	2870	1340	2120	1530	1510	1800	2550	1630	1960	1900	696	1810
13	2630	2540	2050	1390	1520	1930	2620	1740	2070	2030	744	2450
14	2680	2480	640	1540	1740	1610	2440	1790	2360	2220	712	2100
15	2600	2480	2170	1470	1850	2010	2350	1900	2270	2150	744	2070
16	2600	2810	1730	1400	1740	1820	2420	2070	2600	2230	808	1820
17	2710	2960	142	1530	1900	1940	2270	2220	2610	2050	784	1730
18	2880	2780	82	1780	1740	1960	2170	2180	2610	2560	792	1550
19	2810	2650	40	1920	1820	1880	2090	2040	2180	2230	720	1430
20	2660	2570	60	1970	1730	1550	2000	2290	2240	2800	776	1360
21	2430	2550	566	1790	1750	1710	1970	1930	2280	2520	752	1390
22	2300	2580	1020	1880	1710	1580	2030	1750	2080	1980	688	1400
23	2240	2550	2200	2050	1540	1310	2250	1730	3020	1810	728	1430
24	2220	2440	2080	2050	1540	1350	2500	1680	2290	1760	768	1500
25	2380	1160	2160	1960	1620	1690	2320	1680	2060	1760	872	1480
26	2130	1350	2090	2020	1540	2010	2160	1610	1970	1790	928	1540
27	2160	2300	1980	1930	1380	1960	1860	1590	2050	1710	1210	1540
28	2150	2280	106	1920	1240	2180	1870	1910	2070	1610	1200	1580
29	2180	2230	118	1730	....	2180	1930	2710	2020	1500	1130	1450
30	2200	2200	165	1120	....	2150	1970	2830	2130	1400	1060	1600
31	2220	....	170	904	....	1980	....	2750	....	1300	1030	....
Mean	2438	2322	1378	1386	1567	1749	2258	1946	2133	2015	896	1426
Max.	2990	2960	2200	2050	1900	2180	2620	2830	3020	2800	1280	2450
Min.	1500	1160	40	304	832	1220	1860	1590	1450	1300	688	960
A.F. 149900	138100	84730	85240	87020	107500	134300	119700	126900	123900	55120	84810	
Total acre-feet	1297000.											

COURT HOUSE ROCK DIVERSION

From Pumpkinseed Creek—1947

Day	Oct.	May	June	July	Aug.	Sept.
1	17	17	14	0	18	0
2	17	18	8	0	17	0
3	17	18	16	0	18	0
4	17	18	23	0	18	0
5	18	18	23	0	18	0
6	17	17	24	0	17	0
7	17	17	24	0	17	0
8	17	16	21	0	17	0
9	16	16	20	0	17	0
10	15	17	21	0	17	7
11	14	18	19	6	17	14
12	13	20	19	11	18	16
13	13	19	19	11	18	15
14	13	19	19	11	18	15
15	13	19	19	16	17	16
16	13	18	20	21	18	15
17	14	18	21	20	18	15
18	14	18	22	20	17	15
19	14	18	23	19	18	15
20	14	18	23	20	17	15
21	14	18	24	20	17	14
22	13	18	0	20	17	14
23	14	18	0	20	17	15
24	14	18	0	20	17	15
25	14	18	0	19	17	15
26	13	18	0	20	16	14
27	7	17	0	19	16	15
28	0	18	0	19	15	15
29	0	18	0	18	15	15
30	0	18	0	18	16	15
31	0	18	0	18	8	....
Mean	13	18	14	12	17	10
Max.	18	20	24	21	18	16
Min.	0	16	0	0	8	0
A.F. 780	1100	840	730	1030	600	600
Water diverted	Acreage reported					
5080 A. F.	D-840,1028 1480					

COZAD DIVERSION

From Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	26	90
2	0	0	0	26	79
3	0	0	0	52	112
4	0	0	0	54	108
5	0	0	0	112	69
6	0	0	0	111	60
7	0	0	0	116	67
8	0	0	0	116	52
9	0	0	69	119	94
10	0	0	69	140	115
11	0	0	56	152	60
12	0	39	0	137	21
13	0	33	0	153	0
14	0	34	0	127	0
15	0	36	100	162	0
16	0	37	94	173	0
17	0	33	32	186	0
18	0	28	40	200	0
19	0	31	46	228	0
20	0	31	43	206	0
21	0	31	15	196	0
22	0	150	12	212	0
23	0	96	12	212	0
24	0	0	12	217	0
25	0	0	11	192	0
26	0	0	11	136	0
27	0	0	12	151	0
28	0	0	11	165	0
29	0	0	9	165	0
30	0	0	9	175	0
31	0	0	15	145	....
Mean	0	19	22	147	31
Max.	0	150	100	228	115
Min.	0	0	0	26	0
A.F. 0	1150	1340	9050	1840	
Water diverted	Acreage reported				
13380 A. F.	D-626 25190				

CULBERTSON DIVERSION
From Frenchman River—1947

Day	Oct.	May	June	July	Aug.	Sept.
1	68	0	62	27	73	87
2	73	0	63	27	77	83
3	76	0	62	27	83	83
4	76	0	61	27	86	84
5	48	14	63	29	96	81
6	54	59	62	27	97	76
7	69	65	62	29	103	75
8	68	64	62	27	97	76
9	71	66	63	27	93	76
10	70	66	60	34	90	79
11	68	66	60	41	83	61
12	73	66	62	29	85	69
13	68	65	59	26	84	64
14	60	71	49	29	92	57
15	10	73	51	28	96	55
16	0	74	51	27	94	56
17	0	73	50	25	92	55
18	0	73	51	27	93	53
19	0	70	50	27	88	55
20	0	64	51	26	86	53
21	0	63	51	30	83	53
22	0	62	42	23	80	54
23	0	62	32	29	80	53
24	0	63	23	27	88	54
25	0	59	22	34	95	57
26	0	59	23	28	98	54
27	0	60	21	35	92	55
28	0	58	25	47	92	58
29	0	33	27	54	87	60
30	0	4	26	57	89	60
31	0	32	..	66	88	..
Mean	31	51	48	32	89	65
Max.	76	74	63	66	103	87
Min.	0	0	21	23	73	53
A.F.	1890	3140	2870	1980	5470	3840

Water diverted 19190 A. F.
Acreage reported D-24,25,29,30 9390

DAWSON COUNTY DIVERSION
From Platte River—1947

Day	Oct.	May	June	July	Aug.	Sept.
1	92	0	72	0	44	417
2	93	0	77	0	79	367
3	94	0	68	0	90	365
4	108	0	75	0	97	353
5	112	0	118	0	105	313
6	0	0	139	0	179	275
7	0	0	148	0	273	232
8	0	0	148	0	337	200
9	0	0	127	0	269	193
10	0	0	140	6	103	337
11	0	0	166	75	181	309
12	0	0	173	49	309	349
13	0	0	190	23	375	93
14	0	0	179	23	345	78
15	0	0	154	22	210	82
16	0	0	128	18	208	82
17	0	0	130	25	241	89
18	0	0	171	26	363	76
19	0	0	133	16	423	75
20	0	0	156	14	467	73
21	0	0	156	14	441	57
22	0	0	391	7	451	56
23	0	0	349	5	461	66
24	0	17	208	3	425	107
25	0	43	0	1	293	128
26	0	54	0	3	496	120
27	0	56	0	9	478	114
28	0	94	0	20	459	105
29	0	107	0	39	451	82
30	0	88	0	39	463	72
31	0	74	..	35	405	..
Mean	16	17	127	15	307	176
Max.	112	107	391	49	496	417
Min.	0	0	0	0	44	56
A.F.	990	1060	7530	940	18880	10440

Water diverted 39840 A. F.
Acreage reported D-621 500
D-622 66805
D-624 3040
A-2039 5113
A-2093 213
A-2110 18306
A-2145 985
A-2162 890

Total 95846

ELM CREEK DIVERSION
From Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	49
2	0	0	0	0	63
3	0	0	0	0	77
4	0	0	0	0	71
5	0	5	0	0	68
6	0	8	0	0	56
7	0	8	0	0	52
8	0	6	0	0	38
9	0	6	0	0	59
10	0	12	0	0	57
11	0	14	0	18	35
12	0	17	0	31	0
13	0	13	0	24	23
14	0	5	0	25	40
15	0	13	0	63	38
16	0	13	0	63	37
17	0	13	0	52	15
18	0	13	0	38	15
19	0	5	0	59	15
20	0	5	0	61	16
21	0	0	0	53	6
22	0	0	0	59	9
23	0	0	0	62	13
24	0	0	0	65	14
25	0	0	0	63	14
26	0	0	0	67	14
27	0	0	0	63	14
28	0	0	0	74	12
29	0	0	0	76	13
30	0	0	0	77	10
31	0	0	0	69	..
Mean	0	5	0	37	31
Max.	0	17	0	77	77
Min.	0	0	0	0	0
A.F.	0	310	0	2300	1870

Water diverted 4480 A. F.
Acreage reported A-2104 15733

BUREAU OF IRRIGATION

ENTERPRISE FEEDER
From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	66	53
2	0	18	0	64	53
3	0	23	0	64	55
4	0	22	0	57	55
5	0	27	0	54	54
6	0	22	7	61	56
7	57	9	36	69	57
8	57	10	35	75	57
9	76	7	38	74	56
10	47	7	39	71	50
11	68	0	40	72	26
12	38	0	56	66	13
13	33	0	71	68	12
14	53	0	70	67	12
15	56	0	67	63	11
16	52	0	62	68	13
17	51	0	61	68	15
18	53	0	62	66	15
19	48	0	58	68	18
20	48	0	38	68	19
21	73	0	48	69	17
22	65	0	51	75	30
23	54	0	52	73	47
24	46	0	55	72	56
25	43	0	57	74	30
26	50	0	53	68	18
27	40	0	53	56	17
28	29	0	55	52	17
29	0	0	56	52	17
30	0	0	54	51	18
31	0	0	52	52	..
Mean	37	5	43	65	32
Max.	68	23	71	75	56
Min.	0	0	0	51	11
A.F.	2260	290	2620	4010	1920

Water diverted 11100 A. F.,
of which 720
A. F. was
storage water

Acreage reported
D-920 7039

ENTERPRISE FEEDER
From Tub Springs—1947

Day	May	June	July	Aug.	Sept.
1	3	0	0	35	35
2	5	0	0	37	34
3	4	0	0	36	35
4	5	0	0	36	34
5	3	0	0	37	34
6	4	0	7	37	33
7	0	0	0	35	34
8	0	0	0	37	33
9	0	0	0	37	21
10	0	0	0	36	15
11	0	0	0	41	0
12	0	0	27	43	0
13	0	0	35	40	0
14	17	0	33	39	0
15	12	0	27	40	0
16	20	0	26	40	11
17	15	0	32	40	16
18	14	0	31	40	15
19	17	0	21	38	18
20	20	0	34	38	28
21	21	0	35	38	21
22	19	0	35	37	23
23	22	0	34	38	39
24	21	0	35	37	29
25	22	0	35	35	33
26	22	0	33	35	29
27	20	0	35	36	22
28	29	0	35	36	17
29	0	0	35	36	14
30	0	0	37	35	0
31	0	0	35	35	..
Mean	10	0	21	37	21
Max.	29	0	37	43	35
Min.	0	0	0	35	0
A.F.	620	0	1280	2300	1230

Water diverted 5440 A. F.

ENTERPRISE FEEDER
From Wet Spotted Tail Creek—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	10	10
2	0	9	0	11	10
3	0	9	0	11	10
4	0	9	0	11	10
5	0	9	0	11	11
6	0	9	8	11	11
7	7	9	8	11	11
8	7	9	8	11	11
9	7	9	8	11	11
10	7	9	8	11	11
11	7	0	8	11	11
12	8	0	8	10	11
13	8	0	8	10	11
14	8	0	8	10	11
15	8	0	8	10	11
16	8	0	8	10	11
17	8	0	8	10	11
18	8	0	8	10	11
19	8	0	8	10	11
20	8	0	8	10	12
21	8	0	9	9	12
22	8	0	9	9	12
23	8	0	9	9	12
24	8	0	9	9	12
25	8	0	9	9	12
26	8	0	9	9	12
27	8	0	10	9	12
28	9	0	10	9	12
29	0	0	10	9	12
30	0	0	10	9	12
31	0	0	10	10	..
Mean	6	3	7	10	11
Max.	9	9	10	11	12
Min.	7	0	8	9	10
A.F.	340	160	440	610	670

Water diverted 2220 A. F.
See page 618.

ENTERPRISE CANAL--1947--Continued

Summary in Acre-feet

	May	June	July	August	September	Total
Diverted from:						
North Platte River.....	2260	290	2620	4010	1920	11100
Morrill and Stewart Drains..	0	0	0	0	0	0
Wet Spotted Tail Creek.....	340-	160	440	610	670	2220
Tub Springs	620	0	1290	2300	1230	5440
Total diverted	3220	450	4350	6920	3820	18760
Natural flow diverted	18040					
Storage diverted	720					
				Acreage reported		
				D-920		7039
				D-920	O. D. 2409	0
Total	18760			Total		7039

FORT LARAMIE DIVERSION

From North Platte River--1947

Day	May	June	July	Aug.	Sept.
1	0	139	196	1440	1470
2	0	85	188	1440	1470
3	0	62	225	1440	1460
4	0	58	304	1440	1470
5	0	55	399	1440	1470
6	0	0	465	1440	1480
7	435	0	542	1440	1460
8	473	0	560	1460	1470
9	236	0	654	1450	1460
10	645	31	747	1450	1340
11	641	168	1005	1450	1380
12	680	0	1104	1440	1320
13	676	7	1182	1440	1270
14	646	0	1282	1450	1210
15	639	2	1430	1440	1180
16	692	0	1440	1440	1160
17	677	0	1440	1440	1130
18	671	0	1440	1450	1080
19	680	17	1440	1480	1050
20	692	0	1440	1440	1050
21	725	0	1440	1440	1030
22	724	0	1440	1460	1060
23	713	0	1440	1460	1000
24	710	3	1420	1460	1000
25	747	0	1420	1460	1000
26	745	98	1410	1470	967
27	765	191	1430	1460	682
28	495	195	1450	1460	380
29	94	196	1450	1470	0
30	89	191	1440	1460	0
31	151	...	1440	1470	...
Mean	466	50	1073	1451	1115
Max.	765	196	1450	1470	1480
Min.	0	0	188	1440	0
A.F.	28640	2970	65980	89200	66330

	Water diverted for irrigation	Acreage reported
253120 A. F.		A-365 Nebr. 7200*
		A-768 Wyo. 50210
		A-768 Nebr. 53500
	Total	103500
	*Estimated	

FRENCH DIVERSION

From North Platte River--1947

Day	May	June	July	Aug.	Sept.
1	0	15	7	23	22
2	0	17	11	24	26
3	0	17	11	22	24
4	0	14	11	22	24
5	0	15	11	23	24
6	0	18	10	22	24
7	0	19	7	22	24
8	0	18	7	22	20
9	0	15	7	22	22
10	0	15	8	22	24
11	0	15	14	24	14
12	0	15	8	22	15
13	0	10	8	24	8
14	0	11	20	22	8
15	0	11	22	23	11
16	0	11	22	22	7
17	0	11	19	23	7
18	0	11	13	23	5
19	0	11	11	22	5
20	0	11	11	15	12
21	0	11	7	15	7
22	0	11	7	22	2
23	12	7	7	22	2
24	12	8	2	22	8
25	18	8	7	23	8
26	17	7	5	22	8
27	19	7	5	22	8
28	19	7	13	22	8
29	19	7	13	23	7
30	15	7	19	22	5
31	15	...	20	22	...
Mean	5	12	11	22	13
Max.	19	19	22	24	26
Min.	0	7	2	15	2
A.F.	290	710	680	1350	770

	Water diverted for irrigation	Acreage reported
3800 A. F.		A-1149 729
		A-1433 213
		A-1581 32
	Total	974

BUREAU OF IRRIGATION

619

GERING DIVERSION

Diverted from North Platte River—1947

Diversion made through 15 foot Parshall
Flume—Automatic Recorder

Day	May	June	July	Aug.	Sept.
1	0	0	0	53	62
2	0	0	0	47	68
3	0	0	0	44	61
4	0	0	0	58	50
5	0	0	0	61	73
6	0	0	0	50	72
7	0	0	0	53	72
8	0	0	0	56	74
9	0	0	0	59	72
10	0	0	0	68	73
11	0	0	0	76	74
12	0	0	0	66	69
13	50	0	0	71	65
14	100	0	33	52	0
15	100	0	25	42	37
16	100	0	31	31	32
17	100	0	28	35	0
18	100	0	27	44	0
19	100	0	30	54	0
20	100	0	25	46	0
21	100	0	20	55	0
22	100	0	14	64	0
23	100	0	18	63	0
24	100	0	25	68	0
25	100	0	25	76	0
26	100	0	9	59	0
27	100	0	0	60	0
28	100	0	0	66	0
29	100	0	0	68	0
30	79	0	33	71	0
31	84	0	56	64	0
Mean	58	0	13	57	32
Max.	100	0	56	76	74
Min.	0	0	0	31	0
A.F.	3600	0	790	3530	1890

Water diverted 9790 A. F.

GERING DIVERSION—1947

Summary in Acre-Feet

Diverted through:	May	June	July	Aug.	Sept.	Total
Gering Canal	3600	0	790	3530	1890	9810
Ft. Laramie Canal	0	0	2780	4610	2530	9920
Totals	3600	0	3570	8140	4420	19730

Water diverted
19730 A. F.

Acreage reported
A-365 14265

REPORT OF THE STATE ENGINEER

GOTHENBURG DIVERSION
From Platte River—Sec. 19-12-26 W.—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	78	133	144	110	120	50	138	32	89	66	34	234
2	82	133	164	110	100	40	138	48	75	0	58	269
3	84	142	130	110	100	50	144	60	80	0	16	282
4	110	120	130	80	100	60	140	49	164	0	16	248
5	186	116	138	80	100	60	128	31	174	0	24	254
6	168	121	127	140	90	70	23	31	171	0	36	250
7	171	120	126	140	100	70	10	32	177	0	24	235
8	142	121	126	130	100	90	1	31	147	0	44	226
9	133	92	110	130	100	130	12	12	112	15	68	261
10	147	99	130	120	110	160	32	21	164	76	98	253
11	183	99	110	120	110	150	0	31	152	77	121	234
12	158	114	130	120	120	146	0	24	196	66	127	199
13	146	109	110	120	110	137	0	37	172	51	128	152
14	154	120	110	130	120	144	0	51	178	57	142	134
15	147	134	123	160	120	119	0	112	191	99	156	133
16	146	137	126	160	110	114	0	142	180	107	197	147
17	152	137	109	160	90	107	0	150	147	113	218	119
18	154	140	70	160	70	141	0	140	168	96	223	98
19	152	141	70	160	70	134	31	146	168	88	224	96
20	142	138	128	170	70	133	55	133	162	77	208	85
21	144	147	148	160	60	124	45	63	159	81	229	116
22	144	150	152	100	50	135	29	27	105	82	230	63
23	146	126	154	80	50	141	20	43	75	85	232	106
24	144	121	159	80	80	140	6	91	31	27	238	138
25	158	142	159	70	90	137	6	85	36	24	234	106
26	156	162	148	70	80	135	13	77	41	32	242	95
27	134	156	171	70	60	134	0	78	0	25	259	88
28	120	150	96	80	60	138	0	128	0	20	230	89
29	120	147	114	80	...	134	0	164	0	15	232	98
30	130	147	123	70	...	140	18	141	5	23	238	99
31	137	...	180	100	...	141	...	112	...	18	220	...
Mean	141	130	130	115	91	116	33	75	117	46	153	164
Max.	186	162	180	170	120	160	144	164	196	113	259	282
Min.	78	92	70	70	50	40	0	12	0	0	16	63
A.F.	8660	7760	7930	7080	5040	7150	1960	4610	6980	2820	9410	9730

Water diverted 79160 A. F.

For power 60920 A. F.

For irrigation 18240 A. F.

GOTHENBURG IRRIGATION
DIVERSION—1947

Date	Oct.	May	June	July	Aug.	Sept.
1	0	7	32	48	19	199
2	3	3	47	0	38	213
3	44	4	63	0	0	220
4	61	4	95	0	0	194
5	0	6	61	0	7	213
6	0	6	45	0	19	205
7	0	7	60	0	7	194
8	0	6	52	0	27	193
9	0	0	0	7	52	217
10	0	0	0	70	83	204
11	0	6	0	44	106	172
12	0	9	38	0	112	176
13	0	2	26	0	113	133
14	0	6	41	0	126	115
15	0	0	50	25	138	115
16	0	0	38	6	179	114
17	0	0	29	2	170	96
18	0	0	60	0	175	79
19	0	0	53	15	181	79
20	0	0	47	19	163	68
21	0	7	47	17	168	97
22	0	2	0	16	162	40
23	0	8	0	7	173	86
24	0	0	0	0	182	113
25	0	0	0	0	177	83
26	0	0	0	12	195	54
27	0	0	0	8	209	57
28	0	89	0	4	183	58
29	0	47	0	0	178	60
30	0	41	0	9	183	60
31	0	34	0	5	181	...
Mean	3	9	29	10	120	130
Max.	61	89	95	70	209	220
Min.	0	0	0	0	0	40
A.F.	190	580	1750	620	7350	7750

Water diverted	18240 A. F.	Acreage reported	820 Acres
		D-645a	17000 Acres
		D-645b	4585 Acres
		A-3716	

Total 22405 Acres

GOTHENBURG POWER RETURN
To Platte River—Sec. 9-11-25 W.—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	124	59	100	110	65	130	20	51	13	10	30
2	37	82	114	100	90	57	130	40	23	8	15	50
3	37	86	114	100	90	55	130	50	12	7	36	55
4	44	95	95	70	90	92	130	40	61	7	12	48
5	180	100	104	70	90	89	120	20	102	8	12	36
6	160	110	116	130	80	84	10	20	112	6	12	40
7	160	110	115	130	90	89	0	20	104	5	12	36
8	130	110	115	120	26	97	0	20	84	4	12	28
9	130	82	103	120	70	120	0	10	100	3	11	39
10	140	33	122	110	112	150	20	10	150	1	10	44
11	170	59	101	119	128	140	0	20	140	28	10	55
12	150	64	100	122	103	130	0	10	140	75	10	18
13	140	82	98	136	80	120	0	30	130	62	10	14
14	140	100	95	134	118	130	0	40	122	53	11	14
15	140	116	95	141	136	110	0	100	125	66	13	13
16	140	123	89	106	146	100	0	130	126	90	13	28
17	140	130	52	75	147	100	10	140	105	98	43	18
18	140	130	31	150	144	130	0	130	96	89	43	14
19	140	130	75	150	99	120	20	140	102	65	38	12
20	130	130	95	160	33	120	40	120	102	52	40	12
21	130	110	117	150	44	110	40	50	99	56	55	14
22	130	112	140	90	86	120	20	20	124	58	60	18
23	140	110	149	70	56	130	10	30	76	69	53	15
24	130	110	143	70	52	130	0	80	79	72	50	20
25	140	130	154	153	38	130	0	80	27	23	51	18
26	130	150	135	147	70	130	10	70	36	15	42	36
27	110	150	151	136	50	120	0	70	46	12	45	26
28	110	140	90	129	50	130	0	34	18	11	42	26
29	111	140	100	56	..	120	0	104	16	11	48	33
30	117	118	110	17	..	130	10	89	14	9	49	34
31	127	..	170	46	..	130	..	69	..	8	34	..
Mean	127	109	108	110	87	112	28	58	87	35	29	28
Max.	180	150	170	160	147	150	130	140	150	98	60	55
Min.	37	33	31	17	33	55	0	10	12	1	10	12
A.F.	7790	6500	6640	6760	4810	6900	1650	3580	5000	2150	1790	1670

Water returned 55240 A. F.

GRAF DIVERSION

From Blue Creek and Crescent Lake—1947

Day	May	June	July	Aug.	Sept.
1	0	8	3	14	17
2	0	4	4	14	15
3	0	9	4	12	16
4	0	10	4	14	18
5	0	9	4	20	21
6	0	10	4	20	19
7	0	9	4	21	17
8	0	9	6	18	16
9	0	8	8	15	16
10	0	8	8	14	16
11	0	7	8	13	14
12	10	6	8	18	10
13	10	5	7	19	12
14	11	4	12	19	16
15	13	3	12	17	15
16	11	3	14	16	13
17	13	3	13	16	13
18	23	4	13	15	13
19	28	5	14	13	13
20	29	5	15	14	14
21	22	6	19	15	15
22	15	7	25	16	15
23	22	7	28	15	16
24	17	6	25	13	18
25	18	5	24	16	19
26	18	8	23	19	19
27	16	8	22	18	16
28	12	11	24	18	16
29	8	8	22	20	22
30	5	4	14	20	19
31	10	7	17	20	20
Mean	10	7	13	16	16
Max.	29	11	28	20	22
Min.	0	3	3	12	10
A.F.	620	390	810	1020	950

Water diverted
3790 A. F.

Acreage reported
D-763R 85
D-781R 15
D-788 1989

Total 2089

HOOPER DIVERSION

From Blue Creek—1947

Day	Oct.	May	June	July	Aug.	Sept.
1	6	13	7	0	11	12
2	10	13	7	0	11	12
3	10	13	5	0	10	10
4	11	13	5	0	11	9
5	10	12	6	0	11	10
6	12	14	7	0	10	10
7	9	13	6	4	10	10
8	1	13	4	7	9	10
9	13	13	7	7	9	11
10	11	13	11	8	10	13
11	14	14	9	5	11	14
12	14	15	11	5	12	15
13	14	14	0	4	12	14
14	14	12	1	5	8	14
15	15	13	0	6	5	3
16	15	13	1	9	12	6
17	16	12	1	12	12	12
18	16	12	1	11	12	12
19	7	12	1	11	12	11
20	2	10	1	10	12	11
21	0	11	1	12	11	11
22	0	12	2	12	11	11
23	0	11	3	12	12	11
24	0	11	6	12	12	11
25	0	10	8	11	12	9
26	0	12	9	12	12	11
27	0	12	10	11	11	12
28	0	8	6	12	11	13
29	0	6	2	11	11	13
30	0	7	1	10	11	13
31	0	8	1	10	12	..
Mean	7	12	5	7	11	11
Max.	16	15	11	12	12	15
Min.	0	6	0	0	5	3
A.F.	440	720	280	450	670	660

Water diverted
3220 A. F.

Acreage reported
D-781 858
D-788R 19

Total 877

REPORT OF THE STATE ENGINEER

HURLEY-LILLY-POLLY DIVERSION
From Lodgepole Creek—1947

Day	May	June	July	Aug.	Sept.
1	2	0	2	0	3
2	2	0	2	0	3
3	2	0	2	0	3
4	2	0	2	0	3
5	2	0	2	3	3
6	2	0	0	3	3
7	2	0	0	3	3
8	2	0	0	3	3
9	2	0	0	3	3
10	2	2	0	3	3
11	2	0	2	3	3
12	2	0	2	3	3
13	2	2	2	3	3
14	2	2	2	3	3
15	2	2	2	3	3
16	2	2	3	3	3
17	2	2	3	3	3
18	2	0	3	3	3
19	2	0	3	3	3
20	0	0	3	3	3
21	0	0	3	3	3
22	0	0	3	3	0
23	0	0	3	3	0
24	0	0	0	0	0
25	0	0	0	3	0
26	2	0	0	3	0
27	2	0	0	3	0
28	2	2	0	3	0
29	0	2	0	3	3
30	0	2	0	3	3
31	0	.	0	3	.
Mean	2	1	2	3	2
Max.	2	2	3	3	3
Min.	0	0	0	0	0
A.F.	90	40	90	150	140

Water diverted *510 A. F.

*Estimated from measurements.

INTERSTATE DIVERSION
From North Platte River—1947

Day	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1020	1040	0	420	2060	2050
2	0	1020	875	0	434	2050	2050
3	0	1030	863	0	516	2060	2050
4	0	1040	863	0	526	2030	2050
5	0	1020	841	0	706	2050	2050
6	0	1040	787	0	797	2050	2020
7	0	1060	807	0	797	2060	2000
8	0	1050	876	0	836	2060	1970
9	0	1030	884	190	997	2070	1980
10	0	979	924	522	1190	2070	1980
11	0	918	966	734	1400	2080	1840
12	0	933	1050	364	1640	2060	1650
13	0	927	1060	0	1830	2070	1580
14	0	942	1110	0	1960	2070	1570
15	0	936	1110	0	1970	2060	1490
16	90	930	1110	0	2050	2070	1380
17	388	924	1100	0	2030	2070	1290
18	680	924	1120	0	2010	2070	1240
19	756	933	1160	0	1950	2070	1240
20	838	930	1150	0	1940	2070	1240
21	890	927	1110	0	1940	2070	1300
22	873	930	1110	0	1950	2070	1300
23	893	936	1050	0	1940	2070	1300
24	904	933	1050	0	1940	2070	1300
25	916	927	1050	0	1950	2070	1300
26	951	921	1060	208	1980	2070	1300
27	963	918	1100	530	2050	2070	1290
28	979	921	927	742	2060	2070	1270
29	985	924	553	675	2070	2070	804
30	1000	979	126	406	2070	2070	424
31	1010	...	0	...	2070	2070	...
Mean	423	863	940	146	1549	2065	1544
Max.	1010	1060	1160	742	2070	2080	2050
Min.	0	918	0	0	420	2030	424
A.F.	26020	57330	57780	8670	95250	126980	91850

Total Acre-feet 463880.

INTERSTATE CANAL

Acreage reported

A-768 Nebraska 95726

A-768 Wyoming 16074

Total

111800

BUREAU OF IRRIGATION

JORDAN (CORNELIUS) DIVERSION
From Monroe Creek—1947

Discharge made over 2-foot Weir.

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	3	*	*
4	*	*	3	*	*
5	*	*	0	*	*
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	*	*
10	*	*	*	*	*
11	*	3	*	*	*
12	*	3	*	*	*
13	*	3	*	*	*
14	*	3	*	*	*
15	*	3	*	*	*
16	*	2	*	*	*
17	*	3	2	*	*
18	*	2	*	*	*
19	*	2	*	*	*
20	*	3	*	*	*
21	*	3	2	*	*
22	*	3	*	*	*
23	*	3	*	*	*
24	*	3	*	*	*
25	*	*	*	*	*
26	*	3	*	*	*
27	*	*	*	*	*
28	*	3	*	*	*
29	*	*	*	*	*
30	*	3	2	*	*
31	*	*	*	*	*

*No report.
Acreage reported A-841—No report.

KEARNEY CANAL DIVERSION
From Platte River, Buffalo and Elm Creek—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	281	293	326	150	40	70	306	187	0	0	7	77
2	294	288	240	190	80	60	297	170	0	0	35	78
3	291	282	197	180	110	60	258	171	0	28	38	79
4	297	276	320	190	110	90	165	184	0	48	43	74
5	274	304	340	180	110	90	135	134	0	47	44	75
6	206	333	190	160	100	50	231	122	0	51	41	75
7	192	303	312	230	110	70	232	114	0	70	58	72
8	175	299	295	260	80	100	286	118	0	70	54	71
9	116	192	274	250	80	130	241	163	0	60	59	69
10	148	110	295	260	100	150	119	144	0	52	60	64
11	230	97	334	260	100	170	150	182	0	45	61	35
12	278	51	312	260	100	140	217	144	0	52	60	64
13	209	98	311	260	110	114	229	199	0	48	61	0
14	123	98	308	300	120	109	226	212	13	79	65	0
15	104	189	306	240	120	105	271	77	0	43	62	0
16	76	277	282	190	150	107	263	0	0	26	62	0
17	78	303	120	210	110	109	240	0	0	21	61	0
18	98	264	204	240	90	142	240	0	0	34	50	0
19	205	272	204	240	80	150	235	0	0	24	70	1
20	212	260	222	220	140	202	247	0	0	21	69	44
21	193	297	264	230	130	202	178	0	0	17	66	44
22	242	286	291	260	110	209	243	0	363	16	72	42
23	286	288	333	270	50	207	237	0	17	15	73	42
24	272	285	303	260	50	186	243	6	0	14	72	39
25	272	259	297	240	50	223	226	30	0	13	65	15
26	280	256	263	210	60	291	241	26	0	0	65	15
27	307	273	344	202	60	197	214	13	0	0	72	20
28	290	265	70	205	60	293	176	12	0	2	73	20
29	306	258	90	60	..	284	245	12	0	5	72	26
30	308	315	120	40	..	289	236	12	0	6	70	28
31	298	..	110	40	..	230	..	12	0	6	74	..
Mean	224	246	254	209	93	156	228	79	13	29	59	37
Max.	308	333	344	309	150	239	306	212	363	70	74	79
Min.	76	51	70	40	40	50	119	0	0	0	7	0
A.F.	13770	14620	15620	12870	5180	9580	13540	4860	780	1790	3620	2190

Water diverted 98420 A. F.

REPORT OF THE STATE ENGINEER

KEARNEY POWER RETURN
To Platte River—Sec. 12-8-16 W.—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	280	276	291	110	20	47	271	169	1	0	5	43
2	274	271	223	172	44	38	280	187	0	0	6	39
3	274	274	148	162	85	38	276	143	0	0	10	40
4	288	265	298	148	104	85	147	163	0	11	21	37
5	291	276	307	138	110	120	135	119	0	43	19	40
6	257	316	174	93	74	58	190	137	0	39	5	43
7	230	302	290	169	94	71	223	101	0	58	9	43
8	202	291	285	218	53	88	266	105	0	58	16	38
9	123	252	265	196	46	105	220	142	0	42	18	30
10	147	96	289	200	66	110	100	143	0	33	18	30
11	183	75	318	207	58	172	130	160	0	40	14	38
12	278	52	298	200	82	143	200	128	0	38	10	12
13	232	76	285	192	74	114	210	169	0	21	13	3
14	120	64	285	230	74	124	217	190	0	52	16	0
15	98	141	288	190	90	51	255	140	22	44	18	0
16	61	242	253	134	95	94	260	7	4	19	18	0
17	58	291	82	116	114	120	241	0	0	9	18	0
18	62	258	61	188	76	132	236	0	1	16	12	0
19	193	261	60	178	51	197	224	0	0	14	16	0
20	217	234	146	164	120	214	236	0	0	10	18	1
21	188	266	239	172	100	206	160	0	0	1	15	29
22	218	266	257	199	100	207	221	0	314	0	18	29
23	266	260	305	211	30	209	214	0	29	0	24	28
24	257	255	283	214	30	164	218	0	6	0	26	39
25	263	239	271	220	36	193	203	0	4	0	26	15
26	265	276	247	179	43	261	214	0	4	0	22	4
27	298	265	295	190	43	167	193	0	4	0	30	4
28	278	260	87	189	41	273	164	0	0	0	31	5
29	296	232	27	39	..	271	217	0	0	0	32	14
30	295	278	118	19	..	278	227	0	0	0	30	15
31	296	..	..	..	..	..	..	0	0	0	32	..
Mean	219	230	220	163	70	147	212	70	13	18	18	21
Max.	298	316	318	230	120	278	280	190	314	58	32	43
Min.	58	52	27	17	20	38	100	0	0	0	5	0
A.F.	13460	13710	13540	10020	3870	9070	12590	4330	770	1090	1120	1230

Water returned 84800.

KEITH-LINCOLN COUNTY
DIVERSION
From North Platte River—1947

Day	Oct.	May	June	July	Aug.	Sept.
1	37	0	61	52	97	89
2	42	0	58	55	79	88
3	59	22	61	53	92	92
4	61	33	61	58	93	91
5	42	31	61	63	91	96
6	35	30	67	68	97	90
7	28	29	66	64	88	90
8	0	23	62	62	96	93
9	0	35	82	61	90	88
10	0	42	55	86	82	78
11	0	40	53	83	87	70
12	0	53	38	91	88	52
13	0	51	46	92	93	46
14	0	53	44	78	88	46
15	0	58	43	77	105	56
16	0	59	43	88	86	64
17	0	63	45	78	92	49
18	0	70	53	74	90	59
19	0	70	51	96	82	46
20	0	66	59	79	87	38
21	0	66	61	86	88	40
22	0	75	63	88	90	24
23	0	78	59	70	89	16
24	0	75	53	87	88	37
25	0	74	63	88	91	70
26	0	73	70	91	96	68
27	0	71	63	89	92	68
28	0	77	62	90	90	58
29	0	67	70	93	88	57
30	0	60	55	95	87	56
31	0	61	..	88	88	..
Mean	10	52	58	78	90	64
Max.	61	78	82	96	105	96
Min.	0	0	38	52	79	24
A.F.	600	3180	3430	4810	5550	3800

Water diverted 21370 A. F.
Acreage reported D-722 6173

KIMBALL DIVERSION
From Lodgepole Creek and Oliver
Reservoir—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	48	12
2	0	0	0	49	57
3	0	0	0	53	37
4	0	0	10	52	30
5	0	0	10	44	50
6	0	0	25	55	50
7	0	0	25	53	44
8	0	0	25	55	44
9	0	0	31	55	44
10	0	0	36	55	43
11	0	0	36	53	0
12	0	0	47	51	0
13	0	0	45	51	0
14	0	0	47	52	0
15	0	0	46	52	0
16	0	0	46	52	0
17	0	0	46	52	0
18	0	0	47	52	0
19	0	0	45	52	0
20	0	0	45	52	0
21	0	0	49	12	0
22	0	0	48	12	0
23	0	0	46	10	0
24	0	0	27	20	0
25	0	0	27	19	0
26	0	0	32	4	0
27	0	0	39	0	0
28	0	0	44	0	0
29	0	0	45	0	0
30	0	0	46	12	0
31	0	0	46	40	0
Mean	0	0	34	38	14
Max.	0	0	49	55	51
Min.	0	0	0	0	0
A.F.	0	0	2100	2310	800

Estimated diversion 5210 A. F.
Acreage reported A-897 4500

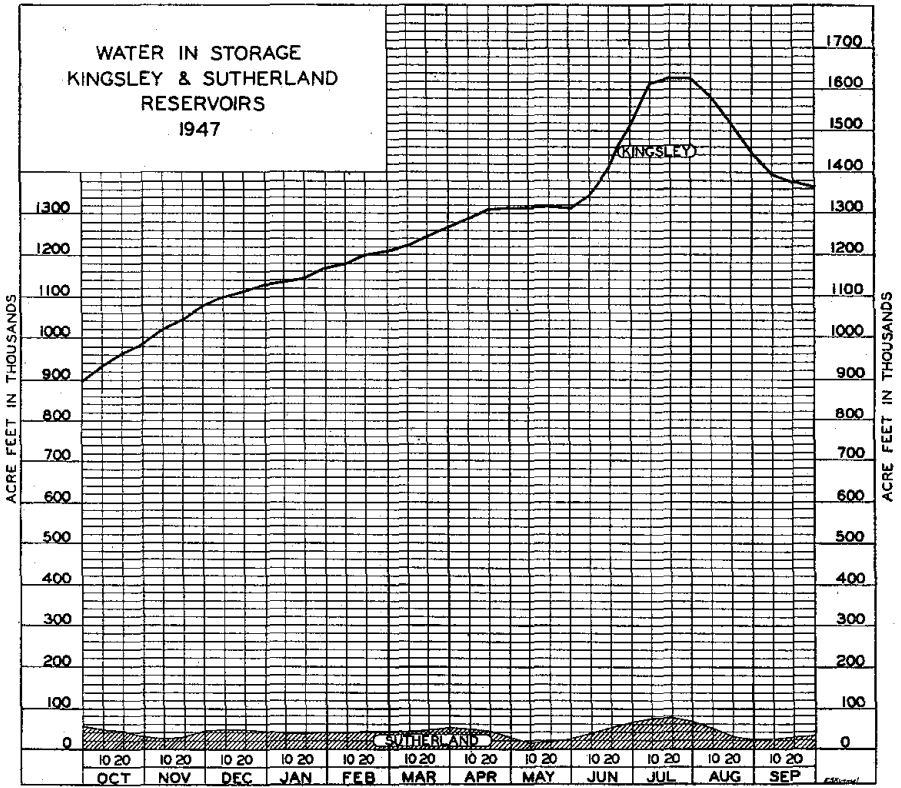
Poor record. No measurements made this year. Daily discharge from rating table using 1944 measurements.

KINGSLEY STORAGE RESERVOIR

Daily Contents in Acre-feet—1947

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	843800	958200	1028000	1080400	1127500	1166500	1213200	1290200	1285200	1463800	1559000	1416200
2	845800	962400	1030100	1080400	1127500	1166500	1213200	1290200	1285200	1479700	1558200	1411000
3	849700	964500	1032300	1080400	1129800	1166500	1218000	1292600	1285200	1490500	1553400	1405800
4	855600	968700	1034400	1080400	1129800	1166500	1222800	1295000	1287700	1501300	1550600	1400800
5	859500	970800	1034400	1082800	1132000	1168800	1227400	1295000	1292600	1509400	1547800	1395400
6	863400	975000	1038700	1084800	1134300	1171100	1227400	1295000	1295000	1517500	1545000	1390200
7	867400	979200	1040900	1084800	1134300	1173400	1227400	1295000	1297500	1522900	1539400	1385000
8	871300	983300	1043000	1087000	1134300	1173400	1232200	1295000	1297500	1531000	1533800	1379800
9	875200	989600	1045200	1089200	1134300	1175700	1234600	1295000	1300000	1536600	1528300	1374600
10	881200	991700	1047400	1093800	1134300	1178000	1239400	1295000	1302400	1539400	1522900	1369500
11	883200	995500	1049600	1093800	1136600	1180300	1241800	1297500	1307300	1545000	1520200	1367000
12	887200	998000	1051800	1098200	1136600	1182700	1244200	1297500	1314600	1547800	1517500	1364500
13	891200	1000100	1054000	1100500	1136600	1185000	1249000	1297500	1319600	1550600	1514800	1362000
14	895200	1000100	1056200	1102800	1138900	1187400	1249000	1297500	1322000	1550600	1509400	1357000
15	899200	1004400	1058400	1102800	1141200	1189800	1251400	1297500	1329500	1550600	1504000	1354500
16	901200	1006500	1060600	1105000	1145800	1192100	1256200	1297500	1334500	1550600	1501300	1349500
17	907200	1008700	1062800	1105000	1150400	1192100	1258600	1297500	1339500	1550600	1498600	1347000
18	909200	1010800	1062800	1105000	1155000	1194400	1261000	1295000	1344500	1550600	1493200	1347000
19	913200	1010800	1062800	1107200	1155000	1194400	1263400	1295000	1349500	1550600	1487800	1344500
20	917200	1010800	1062800	1107200	1157300	1196800	1265800	1295000	1354500	1550600	1482400	1342000
21	921300	1015100	1065000	1109500	1159600	1196800	1268200	1292600	1359500	1550600	1477000	1339500
22	925400	1015100	1067200	1111800	1161900	1199200	1268200	1292600	1367000	1550600	1471700	1339500
23	929500	1017300	1069400	1111800	1164200	1201500	1270600	1290200	1377200	1550600	1466400	1337000
24	933600	1017300	1071600	1114000	1164200	1201500	1273000	1290200	1385000	1556200	1463800	1337000
25	935600	1019400	1073800	1116200	1164200	1203800	1275400	1287700	1395400	1556200	1455800	1337000
26	939800	1021600	1076000	1118500	1164200	1203800	1277900	1285200	1408400	1556200	1450500	1334500
27	941800	1021600	1078200	1120800	1164200	1206200	1280400	1285200	1416200	1556200	1442600	1334500
28	945900	1023700	1080400	1123000	1164200	1206200	1282800	1285200	1424000	1559000	1437200	1332000
29	950000	1025800	1080400	1125200	.....	1208500	1285200	1285200	1432000	1559000	1434600	1332000
30	952000	1028000	1080400	1127500	.....	1208500	1287700	1285200	1445200	1559000	1429300	1332000
31	956200	.....	1080400	1127500	.....	1210900	.....	1285200	.....	1559000	1421400	.....

BUREAU OF IRRIGATION



BUREAU OF IRRIGATION

627

KINNEY DIVERSION NO. 1, SOUTH From Lodgepole Creek—1947

Day	May	June	July	Aug.	Sept.
1	0	2	1	1	1
2	0	2	1	1	2
3	0	2	1	1	2
4	0	2	1	1	2
5	0	2	1	1	1
6	0	2	1	1	1
7	0	2	1	1	1
8	0	2	1	1	1
9	0	2	1	1	0
10	0	2	1	1	1
11	0	2	1	1	1
12	0	0	1	1	1
13	0	0	1	1	0
14	0	0	1	0	0
15	0	0	1	0	0
16	0	0	1	0	0
17	0	1	1	0	0
18	1	1	1	0	0
19	1	1	1	0	0
20	1	1	1	0	0
21	2	1	1	1	2
22	2	1	1	1	2
23	2	0	1	1	2
24	2	1	1	1	2
25	2	1	1	1	2
26	2	1	1	1	2
27	2	1	1	1	0
28	2	1	1	1	0
29	2	1	1	1	0
30	2	1	1	1	0
31	2	1	1	1	.
Mean	1	1	1	1	1
Max.	2	2	1	1	2
Min.	0	0	1	0	0
A.F.	50	70	60	50	50

Estimated diversion 280 A. F.
 Acreage reported
 D-345 155
 D-350 41
 A-718R 48
 A-1826 16

Total 260

Poor record. Diversion estimated from six measurements.

KINNEY DIVERSION NO. 2, NORTH From Lodgepole Creek—1947

Day	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	0	0	0	0	0
30	0	0	0	0	0
31	0	0	0	0	.
Mean	0	0	0	0	0
Max.	0	0	0	0	0
Min.	0	0	0	0	0
A.F.	0	0	0	0	0

Estimated diversion 280 A. F.
 Acreage reported
 D-345 155
 D-350 41
 A-718R 48
 A-1826 16

Total 260

Poor record. Diversion estimated from six measurements.

KITE DIVERSION From Monroe Creek—1947

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	1	*	*	*
3	*	1	3	*	*
4	*	1	3	*	*
5	*	1	0	*	*
6	*	1	*	*	*
7	*	1	*	*	*
8	*	*	*	*	*
9	*	*	*	*	*
10	*	*	*	*	*
11	*	3	*	*	*
12	*	3	*	*	*
13	*	3	*	*	*
14	*	3	*	*	*
15	1	3	*	*	*
16	1	3	*	*	*
17	1	3	*	*	*
18	1	3	*	*	*
19	1	3	*	*	*
20	1	6	*	*	*
21	*	6	*	*	*
22	*	6	*	*	*
23	1	6	*	*	*
24	1	6	*	*	*
25	1	3	*	*	*
26	*	*	*	*	*
27	*	*	*	*	*
28	*	3	*	*	*
29	1	*	*	*	*
30	*	2	*	*	*
31	*	*	*	*	*

*Not reported. Acreage reported
 A-1375 None

LAST CHANCE DIVERSION From Pumpkinseed Creek—1947

Day	Oct.	May	June	July	Aug.	Sept.
1	2	0	0	3	2	4
2	2	0	0	5	2	4
3	2	0	0	5	2	4
4	3	0	0	4	2	4
5	3	0	0	4	3	4
6	3	0	0	2	4	4
7	4	0	0	3	3	5
8	4	2	0	4	3	5
9	4	0	0	4	3	4
10	3	2	0	3	4	3
11	3	4	0	4	3	0
12	4	4	0	2	4	0
13	4	4	0	5	5	0
14	4	4	0	5	5	0
15	4	2	0	4	5	0
16	0	1	0	3	5	5
17	0	1	0	5	5	4
18	0	1	0	5	5	5
19	0	3	0	5	5	5
20	0	3	0	5	5	5
21	0	3	0	4	5	5
22	0	2	0	2	5	4
23	0	2	0	2	3	4
24	0	3	0	2	4	5
25	0	3	0	2	4	5
26	0	1	4	2	4	5
27	0	2	5	2	3	5
28	0	0	5	3	4	4
29	0	0	4	3	4	4
30	0	4	2	2	4	4
31	0	3	.	2	2	.
Mean	2	2	1	3	4	4
Max.	4	4	5	5	5	5
Min.	0	0	0	2	2	0
A.F.	100	110	40	200	230	220

Water diverted 900 A. F. Acreage reported
 D-883 442

REPORT OF THE STATE ENGINEER

LISCO DIVERSION
From North Platte River—1947
Measured at 40-foot weir
Sec. 24-18-47 W.

Day	May	June	July	Aug.	Sept.
1	1	11	30	7	21
2	4	9	13	18	18
3	4	4	0	19	18
4	4	5	0	19	19
5	2	13	0	18	19
6	7	15	0	19	19
7	11	17	0	21	21
8	11	13	0	34	22
9	11	1	0	35	23
10	11	0	0	31	25
11	11	0	0	31	12
12	13	0	0	31	0
13	14	0	4	33	0
14	13	9	8	36	0
15	12	12	0	39	8
16	11	11	1	35	10
17	0	6	12	31	8
18	0	0	15	29	5
19	0	0	14	25	0
20	0	0	15	27	0
21	3	3	11	28	6
22	8	1	0	28	6
23	7	5	0	25	15
24	11	7	6	25	13
25	16	0	18	27	14
26	18	0	13	23	16
27	17	6	14	22	18
28	7	25	12	22	20
29	0	30	11	23	20
30	4	30	7	23	21
31	15	..	5	23	..
Mean	8	8	7	26	14
Max.	18	30	30	39	25
Min.	0	0	0	7	0
A.F.	490	460	410	1590	800

Water diverted 3750 A. F.

LISCO DIVERSION
From Cold Water Creek—1947

Day	May	June	July	Aug.	Sept.
1	4	4	4	3	3
2	4	4	4	3	3
3	4	4	4	3	3
4	4	4	4	3	3
5	4	4	4	3	3
6	4	4	4	3	3
7	4	4	4	3	3
8	4	4	4	3	3
9	4	4	4	3	3
10	4	4	4	3	3
11	4	4	4	3	3
12	4	4	4	3	3
13	4	4	4	3	3
14	4	4	4	3	3
15	4	4	4	3	3
16	4	4	3	3	3
17	4	4	3	3	3
18	4	4	3	3	3
19	4	4	3	3	3
20	4	4	3	3	3
21	4	4	3	3	3
22	4	4	3	3	3
23	4	4	3	3	3
24	4	4	3	3	3
25	4	4	3	3	3
26	4	4	3	3	3
27	4	4	3	3	3
28	4	4	3	3	3
29	4	4	3	3	3
30	4	4	3	3	3
31	4	4	3	3	3
Mean	4	4	3	3	3
Max.	4	4	4	3	3
Min.	4	4	3	3	3
A.F.	250	240	210	180	180

Estimated diversion 1060 A. F.
Estimated from two measurements.LISCO DIVERSION
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from:						
North Platte River.....	490	460	410	1590	800	3750
Cold Water Creek.....	250	240	210	180	180	1060
Total diverted.....	740	700	620	1770	980	4810
Water diverted 4810 A. F.						
Acreage reported						
D-856	1391					
D-787R	1268					
A-243R	635					
A-991	216					
Total	3510					

LYONS DIVERSION
From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	11	11
2	0	0	0	9	16
3	0	0	0	8	13
4	0	0	0	12	12
5	0	0	0	8	11
6	0	0	0	9	11
7	0	0	0	10	13
8	0	0	0	7	12
9	0	0	0	6	15
10	0	0	0	6	14
11	0	0	0	4	15
12	0	0	0	15	17
13	0	0	0	15	17
14	0	0	0	14	16
15	0	0	0	14	10
16	0	0	0	9	10
17	0	0	0	7	10
18	0	0	0	6	10
19	0	0	0	7	9
20	0	0	0	8	8
21	0	0	0	10	7
22	9	0	0	16	6
23	15	0	0	15	6
24	13	0	0	18	6
25	11	0	0	15	6
26	10	0	0	14	5
27	10	0	0	15	5
28	14	0	0	15	5
29	18	0	6	12	5
30	0	0	8	6	5
31	0	0	6	11	10
Mean	3	0	1	11	10
Max.	18	0	8	18	17
Min.	0	0	0	4	5
A.F.	200	0	40	670	610

Water diverted 1520 A. F.
Acreage reported D-803 968

McINTOSH DIVERSION
From Lodgepole Creek—1947

Day	May	June	July	Aug.	Sept.
1	4	5	4	0	2
2	4	5	4	0	2
3	4	5	4	0	2
4	3	5	4	0	2
5	3	5	4	0	2
6	3	5	4	0	2
7	3	4	4	0	2
8	3	4	4	0	2
9	3	4	4	0	2
10	3	4	4	0	2
11	4	4	4	0	2
12	4	4	4	0	2
13	4	4	4	0	3
14	4	4	0	0	3
15	4	4	0	0	3
16	4	4	0	0	3
17	5	4	0	1	3
18	5	4	0	1	3
19	5	4	0	1	3
20	5	4	0	1	3
21	5	4	0	1	3
22	5	4	0	1	3
23	5	4	0	1	3
24	5	4	0	2	3
25	5	4	0	2	3
26	5	4	0	2	3
27	5	4	0	2	3
28	5	4	0	2	3
29	5	4	0	2	3
30	5	4	0	2	3
31	5	4	0	2	3
Mean	4	4	2	1	3
Max.	5	5	4	2	3
Min.	3	4	0	0	2
A.F.	260	250	100	50	150

Water diverted 810 A. F.
Acreage reported D-351 176
A-734 122

Total 298

Record is poor. Daily discharge estimated from nine measurements. Rating flume was washed out part of the time.

MEREDITH-AMMER DIVERSION
From Pumpkinseed Creek—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	8	7
2	0	0	0	8	6
3	0	0	0	8	6
4	0	0	0	8	6
5	0	0	0	8	6
6	0	0	0	8	7
7	0	0	0	8	7
8	0	0	0	9	7
9	8	0	0	8	7
10	6	0	0	8	4
11	4	0	0	9	3
12	8	0	0	8	2
13	8	0	0	8	2
14	7	0	0	7	2
15	6	0	0	7	2
16	5	0	0	8	1
17	0	0	4	8	1
18	0	0	6	8	2
19	6	0	6	8	2
20	7	0	6	8	3
21	7	0	0	8	3
22	8	0	0	8	1
23	8	0	0	8	1
24	8	0	0	8	1
25	6	0	0	8	1
26	6	0	0	7	1
27	6	0	0	7	1
28	0	0	7	7	1
29	0	0	7	7	1
30	0	0	8	7	1
31	0	0	8	7	1
Mean	4	0	2	8	3
Max.	8	0	8	9	7
Min.	0	0	0	7	1
A.F.	230	0	100	480	190

Water diverted 1000 A. F.
Acreage reported D-876 435
Poor record. No recorder. Discharge computed from one daily gage reading by water commissioner.

MIDDLE LOUP PUBLIC POWER AND
IRRIGATION DISTRICT CANAL NO. 1
Diverted from Middle Loup River—1947

Day	May	June	July	Aug.	Sept.
1	0	16	0	29	22
2	0	15	0	30	24
3	0	14	0	30	23
4	0	7	0	30	22
5	0	9	0	32	19
6	0	13	0	34	20
7	0	11	5	36	22
8	0	11	11	37	23
9	0	13	12	36	25
10	0	6	15	34	23
11	0	1	17	35	20
12	2	2	16	36	13
13	4	0	14	42	13
14	5	0	14	40	12
15	7	0	14	37	11
16	11	0	17	37	11
17	16	0	13	37	10
18	11	0	13	37	9
19	15	0	11	38	9
20	16	0	12	42	9
21	17	0	11	40	10
22	15	0	14	40	9
23	14	0	16	40	0
24	14	0	14	38	0
25	15	0	14	30	0
26	17	0	12	26	0
27	17	0	11	24	0
28	13	0	13	24	0
29	10	0	20	21	0
30	12	0	24	19	0
31	15	.	25	21	.
Mean	8	4	12	33	12
Max.	17	16	25	42	25
Min.	0	0	0	19	0
A.F.	490	230	710	2050	710

Water diverted 4190 A. F.

MIDDLE LOUP PUBLIC POWER AND
IRRIGATION DISTRICT CANAL NO. 2
Diverted from Middle Loup River—1947

Day	May	June	July	Aug.	Sept.
1	0	17	0	38	34
2	0	19	0	45	33
3	0	21	0	48	33
4	0	12	0	48	34
5	0	9	0	46	34
6	0	10	0	49	32
7	0	9	0	50	33
8	0	10	0	51	32
9	0	11	0	51	33
10	0	4	0	50	34
11	0	9	0	49	25
12	0	8	0	50	16
13	0	3	0	54	12
14	0	6	9	52	10
15	0	8	15	52	8
16	0	8	20	51	7
17	0	8	20	50	8
18	0	7	18	50	9
19	0	3	15	51	9
20	0	0	15	52	11
21	9	0	12	49	13
22	19	0	13	48	13
23	19	0	15	48	12
24	17	0	15	43	12
25	14	0	14	31	13
26	16	0	16	29	4
27	19	0	18	28	0
28	12	0	22	27	0
29	17	0	24	26	0
30	20	0	27	31	0
31	15	.	29	34	.
Mean	6	6	10	45	17
Max.	20	21	29	54	34
Min.	0	0	0	26	0
A.F.	350	360	630	2740	1020

Water diverted 5100 A. F.

Record only fair because of manipulation of check boards.

MIDDLE LOUP PUBLIC POWER AND
IRRIGATION DISTRICT CANAL NO. 3
Diverted from Middle Loup River—1947

Day	May	June	July	Aug.	Sept.
1	0	20	0	46	38
2	0	18	0	54	83
3	0	19	0	56	82
4	0	17	0	62	82
5	0	16	0	66	82
6	0	19	0	78	66
7	0	15	0	84	61
8	0	14	0	88	60
9	0	14	0	86	63
10	0	13	0	89	68
11	0	16	0	94	61
12	0	13	0	102	48
13	8	7	0	109	40
14	15	6	0	113	37
15	39	5	0	112	33
16	37	5	0	109	39
17	29	5	0	111	35
18	24	6	0	113	38
19	24	2	0	115	42
20	21	0	0	121	50
21	15	0	0	111	55
22	17	0	0	100	50
23	18	0	0	105	48
24	19	0	0	108	47
25	20	0	0	71	50
26	15	0	0	72	39
27	15	0	0	85	35
28	25	0	12	82	35
29	25	0	25	82	34
30	23	0	42	83	37
31	16	.	40	83	.
Mean	13	8	4	90	53
Max.	39	20	40	121	83
Min.	0	0	0	46	34
A.F.	810	460	240	5530	3140

Water diverted 10180 A. F.

Record only fair because of manipulation of check boards.

MIDDLE LOUP PUBLIC POWER AND
IRRIGATION DISTRICT CANAL NO. 4
Diverted from Middle Loup River—1947

Day	May	June	July	Aug.	Sept.
1	0	24	0	40	72
2	0	23	0	37	71
3	0	21	0	38	70
4	0	22	0	42	70
5	0	19	0	43	71
6	0	18	0	56	69
7	0	16	0	62	68
8	0	16	0	78	70
9	0	20	0	86	74
10	0	25	0	88	59
11	0	27	0	88	44
12	9	25	0	82	46
13	27	13	0	109	33
14	28	10	0	102	31
15	37	9	0	104	31
16	30	9	0	107	28
17	28	10	0	107	27
18	23	12	0	107	25
19	17	14	0	110	25
20	16	13	0	116	24
21	16	4	0	116	23
22	15	0	0	107	23
23	15	0	0	108	22
24	19	0	0	113	22
25	19	0	0	74	26
26	20	0	0	60	18
27	22	0	0	69	19
28	27	0	0	74	21
29	24	0	0	74	25
30	21	0	19	73	27
31	22	.	39	74	.
Mean	14	12	2	82	41
Max.	37	27	39	113	72
Min.	0	0	0	37	18
A.F.	860	690	110	5850	2450

Water diverted 9960 A. F.

Note: See Summary on page 631.

BUREAU OF IRRIGATION

631

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT Summary in Acre-feet—1947

Diversion:	May	June	July	Aug.	Sept.	Total
Canal No. 1.....	490	230	710	2050	710	4190
Canal No. 2.....	350	360	630	2740	1020	5100
Canal No. 3.....	810	460	240	5530	3140	10180
Canal No. 4.....	860	690	110	5850	2450	9960
Total Diverted.....	2510	1740	1690	16170	7320	29430
Acreage reported:	No. 1	No. 2	No. 3	No. 4	Total	
A-2293.....	3322	3808	7727	7071	21928	
A-2678.....	82	209	165	83	539	
Total.....	3404	4017	7892	7154	22467	

MIDLAND-OVERLAND DIVERSION From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	21	5	8	16
2	0	21	1	6	16
3	0	20	1	4	16
4	0	20	1	11	16
5	0	18	1	23	16
6	0	18	0	24	16
7	0	15	0	18	16
8	0	15	0	15	15
9	0	16	0	13	15
10	0	17	0	10	16
11	0	17	0	20	11
12	0	18	0	32	8
13	0	15	0	19	5
14	0	12	0	19	2
15	5	11	0	20	2
16	6	3	0	20	1
17	5	1	0	21	3
18	6	1	7	19	1
19	6	0	12	19	1
20	15	1	11	19	1
21	19	1	10	19	1
22	18	0	0	18	2
23	18	0	0	18	4
24	20	1	0	19	4
25	21	1	0	19	2
26	18	1	0	19	1
27	18	1	5	18	1
28	19	1	5	18	0
29	21	12	4	18	0
30	23	12	10	18	0
31	21	...	8	18	...
Mean	8	10	3	17	7
Max.	23	21	12	32	16
Min.	0	0	0	4	0
A.F.	510	580	160	1070	410
Water diverted					
2730 A. F.					
Acreage reported					
D-789					1039
D-791					741
Total					1780

MINATARE DIVERSION From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	77
2	0	0	0	0	99
3	0	0	0	0	93
4	0	52	0	57	93
5	0	27	0	57	93
6	0	57	0	57	105
7	0	50	0	57	93
8	0	57	0	57	82
9	0	52	0	57	86
10	0	55	0	57	86
11	0	52	0	57	99
12	0	55	45	57	129
13	49	62	50	57	87
14	54	27	50	57	121
15	29	37	55	57	61
16	45	37	66	57	38
17	41	42	60	57	41
18	61	20	66	57	36
19	61	0	69	57	33
20	57	0	67	57	32
21	59	0	77	57	37
22	59	0	77	57	68
23	51	0	77	57	68
24	54	0	77	57	62
25	49	0	69	57	47
26	49	0	71	57	45
27	51	0	71	57	79
28	0	0	77	57	84
29	0	0	71	57	94
30	0	0	71	57	90
31	0	0	71	57	47
Mean	25	23	43	74	48
Max.	61	62	77	129	87
Min.	0	0	0	32	0
A.F.	1530	1350	2650	4570	2860
Estimated diversion					12960 A. F.
Acreage reported					D-919 7693
Discharge computed from one daily gage reading.					Recorder record not satisfactory.

MITCHELL DIVERSION From North Platte River—1947						
Discharge made through 15 foot Parshall Flume Automatic Recorder						
Day	May	June	July	Aug.	Sept.	
1	0	76	98	194	191	
2	0	26	99	194	189	
3	0	46	100	194	181	
4	0	90	99	194	186	
5	0	101	98	194	165	
6	0	108	99	194	163	
7	0	105	100	194	164	
8	0	96	99	194	170	
9	0	99	101	194	164	
10	0	134	99	194	165	
11	0	143	98	194	168	
12	4	148	99	194	158	
13	22	149	186	194	148	
14	6	119	194	194	181	
15	40	151	194	194	126	
16	66	139	194	194	110	
17	84	144	194	187	135	
18	78	85	194	174	129	
19	107	14	194	160	121	
20	141	13	194	160	111	
21	124	24	194	169	108	
22	132	26	194	180	113	
23	133	31	194	177	108	
24	138	24	194	173	108	
25	133	19	194	177	102	
26	121	19	194	165	107	
27	100	100	194	165	112	
28	113	100	172	164	101	
29	130	100	161	159	100	
30	129	101	194	164	82	
31	134		194	180		
Mean	62	86	155	183	139	
Max.	141	151	194	194	191	
Min.	0	13	98	159	82	
A.F.	3840	5140	9550	11220	8260	
Water diverted 38010 A. F.						
Acreage reported						
D-1052 13634						

NINE MILE DIVERSION From North Platte River—1947						
Day	May	June	July	Aug.	Sept.	
1	0	44	0	63	72	
2	0	41	0	67	57	
3	0	42	0	70	49	
4	0	49	0	77	54	
5	0	43	0	73	52	
6	0	43	0	71	50	
7	0	46	0	69	53	
8	0	49	0	63	53	
9	0	45	0	60	54	
10	14	44	0	59	52	
11	12	39	0	87	51	
12	12	40	0	97	36	
13	41	6	0	90	36	
14	41	0	68	77	38	
15	30	26	75	24	37	
16	27	56	75	37	54	
17	42	54	51	43	60	
18	46	0	61	21	56	
19	53	0	74	19	55	
20	107	0	74	42	53	
21	97	0	71	59	51	
22	83	0	65	62	51	
23	77	0	63	66	50	
24	75	0	60	62	49	
25	71	0	63	71	49	
26	75	35	68	75	51	
27	91	0	60	68	51	
28	74	8	49	65	54	
29	57	6	46	63	54	
30	22	14	55	61	42	
31	30		63	68		
Mean	38	24	37	62	51	
Max.	107	56	75	97	72	
Min.	0	0	0	19	36	
A.F.	2330	1450	2260	3830	3020	
Water diverted						
12890 A. F.						
Acreage reported						
D-925 5768						
O.D.P-262 100						
						Total 5868

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT BURWELL-SUMTER CANAL						
Diverted from North Loup River—1947						
Day	May	June	July	Aug.	Sept.	
1	24	26	6	63	73	
2	24	25	6	85	74	
3	24	25	6	96	58	
4	23	36	6	105	55	
5	25	18	5	105	53	
6	26	14	5	111	53	
7	26	10	5	116	52	
8	25	8	5	118	54	
9	25	9	5	118	54	
10	27	10	5	116	61	
11	24	15	5	116	44	
12	27	17	4	118	22	
13	32	7	2	116	9	
14	31	5	8	118	9	
15	31	4	27	118	9	
16	34	4	39	119	9	
17	32	4	40	119	10	
18	31	4	41	119	17	
19	31	10	41	119	16	
20	31	17	41	120	21	
21	33	17	42	116	25	
22	31	46	45	112	31	
23	32	9	48	109	31	
24	32	7	53	112	32	
25	31	7	61	106	34	
26	28	9	76	94	26	
27	28	7	79	96	24	
28	32	7	82	75	24	
29	26	7	96	77	24	
30	24	6	38	75	26	
31	23		9	75		
Mean	28	13	30	105	34	
Max.	34	46	96	120	74	
Min.	23	4	2	63	9	
A.F.	1730	770	1850	6460	2040	
Water diverted 12850 A. F.						
Record only fair because of manipula- tion of check boards.						

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT ORD-NORTH LOUP CANAL						
Diverted from North Loup River—1947						
Day	May	June	July	Aug.	Sept.	
1	24	29	0	79	80	
2	27	28	0	84	80	
3	23	31	0	85	76	
4	21	5	0	87	72	
5	19	0	0	87	71	
6	27	4	0	95	69	
7	28	0	0	96	69	
8	21	0	0	97	69	
9	25	9	0	102	64	
10	27	0	0	102	58	
11	25	0	0	101	53	
12	26	4	0	104	48	
13	24	0	0	103	41	
14	26	0	0	103	41	
15	26	0	0	104	42	
16	28	0	0	97	43	
17	26	0	0	93	42	
18	26	9	0	94	39	
19	26	19	0	93	39	
20	26	20	14	93	37	
21	24	15	32	95	36	
22	24	49	27	96	37	
23	25	0	53	96	35	
24	36	0	58	95	34	
25	33	0	58	96	31	
26	34	0	59	96	31	
27	33	0	52	94	31	
28	35	0	51	89	30	
29	31	0	39	85	29	
30	29	0	78	81	30	
31	28		80	81		
Mean	27	7	19	94	49	
Max.	36	49	80	104	80	
Min.	19	0	0	79	29	
A.F.	1650	440	1190	5760	2890	
Water diverted 11930 A. F.						
Record only fair because of manipula- tion of check boards.						

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL

Diverted from North Loup River—1947

Day	May	June	July	Aug.	Sept.
1	0	39	0	167	117
2	0	55	0	179	114
3	0	57	0	183	116
4	0	82	0	182	122
5	0	6	15	181	124
6	0	0	42	183	123
7	31	0	46	185	125
8	59	0	46	185	128
9	56	0	50	184	130
10	40	0	60	181	127
11	46	0	67	183	120
12	50	0	58	186	113
13	42	0	62	182	90
14	53	0	52	186	75
15	58	0	63	188	85
16	52	0	65	183	72
17	61	0	69	179	71
18	58	0	75	177	61
19	60	0	59	175	59
20	58	0	66	178	64
21	66	0	65	173	64
22	54	0	67	174	56
23	46	0	67	183	66
24	47	0	78	187	61
25	50	0	86	144	49
26	46	0	89	142	53
27	51	0	112	124	67
28	38	0	125	101	59
29	37	0	136	71	58
30	26	0	124	78	50
31	45	8	153	108	..
Mean	40	8	64	165	87
Max.	66	82	153	188	130
Min.	0	0	0	71	49
A.F.	2440	470	3960	10140	5190

Water diverted 22200 A. F.
Record only fair because of manipulation of check boards.

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-feet—1947

Diversion:	May	June	July	Aug.	Sept.	Total
Taylor-Ord Canal.....	2440	470	3960	10140	5190	22200
Burwell-Sumter Canal.....	1730	770	1850	6460	2040	12850
Ord-North Loup Canal.....	1650	440	1190	5760	2890	11930
Total.....	5820	1680	7000	22360	10120	46980
Acreage reported:						
A-2312		14404	6482	6820	27706	
A-2417R		183	0	0	183	
A-3772		0	144	0	144	
A-3821		78	0	0	78	
A-3828		0	39	0	39	
A-3831		0	38	0	38	
A-3839		6	0	0	6	
Total.....		14671	6703	6820	28194	

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NORTH PLATTE DIVERSION From North Platte River—1947						
Day	Oct.	May	June	July	Aug.	Sept.
1	80	0	114	62	209	186
2	80	0	112	59	214	192
3	89	0	103	58	214	220
4	78	0	107	59	272	218
5	0	0	103	56	276	231
6	10	0	105	92	282	238
7	2	0	101	125	285	159
8	4	0	85	123	291	141
9	4	0	94	125	294	159
10	0	0	110	123	276	201
11	0	0	116	126	246	196
12	0	0	89	116	306	132
13	0	0	81	119	308	119
14	0	0	110	135	309	116
15	0	0	68	152	306	107
16	0	39	92	161	309	119
17	0	56	114	150	282	119
18	0	50	105	150	306	105
19	0	56	89	150	302	94
20	0	58	83	159	302	80
21	0	59	80	188	278	66
22	0	81	62	159	276	101
23	0	90	58	110	278	103
24	0	80	54	54	248	96
25	0	85	54	141	216	92
26	0	99	59	139	209	92
27	0	126	53	137	194	85
28	0	130	59	156	184	80
29	0	87	64	197	176	83
30	0	114	66	201	209	83
31	0	107	..	213	180	..
Mean	11	42	86	229	259	134
Max.	89	130	116	213	309	238
Min.	0	0	53	54	176	66
A.F.	690	2610	5140	7920	15940	7960

Water diverted 40260 A. F.
Acreage reported D-635 14199

NORTHPORT DIVERSION From North Platte River and Pathfinder Reservoir—1947						
Day	May	June	July	Aug.	Sept.	
1	0	181	0	114	88	
2	0	180	0	117	93	
3	0	183	0	118	86	
4	0	186	47	120	71	
5	0	190	93	122	66	
6	0	189	132	125	51	
7	0	191	130	150	32	
8	0	189	132	90	9	
9	0	190	133	100	24	
10	81	190	197	101	0	
11	81	190	196	122	0	
12	55	120	151	132	0	
13	55	0	131	127	0	
14	58	132	103	128	0	
15	165	188	96	107	0	
16	165	191	93	107	0	
17	163	190	100	109	0	
18	162	190	154	116	0	
19	157	190	153	124	0	
20	158	190	155	129	0	
21	163	181	155	113	0	
22	167	176	151	125	0	
23	167	183	71	122	0	
24	168	185	1	109	0	
25	169	186	0	120	0	
26	171	186	2	115	0	
27	171	186	0	115	0	
28	163	184	104	109	0	
29	146	38	146	124	0	
30	34	0	147	73	0	
31	93	..	137	74	..	
Mean	94	164	100	114	17	
Max.	181	191	197	150	93	
Min.	0	0	0	73	0	
A.F.	5770	9780	6170	7030	1030	

Water diverted 29750 A. F.

NORTHPORT IRRIGATION DISTRICT
Drains Entering Tri-State Canal—1947

Day	May	June	July	Aug.	Sept.
1	11	32	30	172	226
2	11	32	29	169	221
3	11	31	31	171	228
4	11	31	32	166	243
5	23	26	32	164	258
6	44	27	32	161	241
7	43	26	34	136	239
8	36	26	32	196	236
9	37	27	31	186	238
10	36	26	33	185	248
11	36	32	34	192	225
12	45	37	79	182	222
13	47	27	99	187	204
14	46	25	108	186	205
15	46	26	111	189	201
16	46	25	119	192	199
17	51	24	112	205	197
18	51	27	129	198	182
19	54	24	131	186	214
20	52	23	132	194	204
21	50	46	122	186	207
22	49	39	120	189	209
23	49	32	104	192	207
24	45	29	145	190	205
25	44	27	137	190	204
26	44	27	139	199	190
27	46	26	144	199	212
28	54	27	148	205	197
29	33	27	140	190	49
30	30	23	139	241	50
31	32	..	149	240	..
Mean	39	29	92	188	205
Max.	54	46	149	241	248
Min.	11	23	29	136	49
A.F.	2410	1700	5670	11580	12200

Water diverted 33560 A. F.

Note: See Summary on page 635.

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ORCHARD-ALFALFA DIVERSION
From Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	42
2	0	0	0	7	37
3	0	0	0	14	37
4	0	0	0	18	45
5	0	0	0	24	51
6	0	0	0	27	51
7	0	0	0	27	47
8	0	0	0	30	42
9	0	0	0	36	42
10	0	0	0	36	43
11	0	0	0	33	39
12	0	0	0	28	37
13	0	0	0	38	40
14	0	0	0	31	34
15	0	0	0	25	27
16	0	0	0	24	33
17	0	6	0	26	35
18	0	7	0	32	28
19	0	3	0	38	31
20	0	3	0	26	31
21	0	3	0	24	32
22	0	0	0	42	29
23	0	0	0	48	31
24	0	0	0	42	32
25	0	0	0	47	28
26	0	0	0	47	29
27	0	0	0	45	25
28	0	0	0	45	24
29	0	0	0	47	19
30	0	0	0	44	18
31	0	0	4	49	..
Mean	0	1	0	32	35
Max.	0	7	4	49	51
Min.	0	0	0	0	18
A.F.	0	40	10	1980	2060

Water diverted 4090 A. F.
Acreage reported
D-627 6276

OSHKOSH DIVERSION
From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	6	0	8	9
2	0	1	0	6	10
3	0	1	0	17	12
4	0	1	0	24	12
5	0	1	0	25	11
6	0	4	0	24	11
7	0	9	0	22	11
8	0	10	0	19	11
9	0	9	0	17	12
10	0	12	0	16	12
11	0	5	0	15	13
12	0	9	0	17	18
13	0	12	0	16	21
14	0	10	0	17	20
15	0	7	0	19	8
16	0	3	0	17	9
17	0	2	0	14	10
18	0	1	0	12	14
19	0	2	0	11	13
20	0	5	0	12	14
21	0	12	0	12	12
22	0	10	0	10	8
23	0	0	0	10	8
24	0	0	0	10	2
25	7	10	5	10	0
26	7	2	13	8	0
27	6	2	10	8	0
28	11	2	9	8	0
29	12	2	15	9	0
30	14	2	15	9	0
31	18	..	11	8	..
Mean	2	5	3	14	9
Max.	18	12	15	25	21
Min.	0	1	0	6	0
A.F.	150	300	150	850	560

Water diverted 2010 A. F.
Acreage reported
D-797 2192
A-243R 162

Total 2354

OWASCO DIVERSION
From Lodgepole Creek—1947

Day	May	June	July	Aug.	Sept.
1	4	0	0	4	2
2	4	0	0	4	2
3	4	0	0	4	2
4	4	0	0	4	2
5	4	0	0	4	2
6	4	0	0	4	2
7	4	0	0	4	2
8	4	0	0	4	2
9	4	0	2	4	2
10	4	0	2	4	2
11	4	0	2	4	2
12	4	0	2	4	3
13	4	0	2	4	3
14	4	0	2	4	3
15	4	0	2	0	3
16	4	0	2	4	3
17	4	0	2	4	3
18	4	0	2	4	3
19	4	0	2	4	3
20	0	0	2	4	3
21	0	0	2	4	3
22	0	0	2	4	3
23	0	0	2	4	3
24	0	0	0	4	3
25	0	0	0	4	3
26	0	0	0	4	3
27	0	0	4	4	3
28	0	0	2	3	0
29	0	0	3	2	0
30	0	0	4	2	0
31	0	..	4	2	..
Mean	2	0	2	4	2
Max.	4	0	4	4	3
Min.	0	0	0	0	0
A.F.	150	0	90	220	140

Estimated diversion 600 A. F.
Acreage reported
D-347R 83
A-725 689

Total 772

Discharge estimated from nine measurements.

BUREAU OF IRRIGATION

PAISLEY DIVERSION

From Blue Creek and Crescent Lake--1947

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	11	16	0	15	0	5	11
2	12	13	0	14	0	4	11
3	11	8	0	15	0	1	11
4	11	7	0	16	0	0	5
5	12	2	0	16	0	0	0
6	12	1	0	16	0	0	4
7	12	0	0	14	0	0	8
8	12	0	2	14	0	1	10
9	12	0	7	13	0	3	12
10	13	0	7	14	0	5	13
11	13	0	7	7	0	6	14
12	13	0	8	2	3	1	14
13	14	0	8	0	2	3	13
14	14	0	10	0	4	7	12
15	14	0	14	0	15	10	12
16	14	0	13	0	15	13	13
17	13	0	8	0	16	13	13
18	13	0	7	0	16	13	12
19	14	0	3	0	16	13	13
20	14	0	12	4	17	12	13
21	16	0	17	6	9	12	13
22	16	0	13	2	7	12	12
23	14	0	9	0	9	12	9
24	15	0	12	0	11	13	10
25	16	0	15	0	12	12	10
26	16	0	9	5	11	11	10
27	16	0	9	6	9	10	10
28	16	0	12	6	8	10	4
29	16	0	17	1	9	10	0
30	16	0	16	0	8	10	0
31	16	.	15	.	9	11	.
Mean	14	2	8	6	7	8	10
Max.	16	16	17	16	16	13	14
Min.	11	0	0	0	0	0	0
A.F.	850	90	500	370	410	460	580
Water diverted					Acreage reported		
3260 A. F.					D-800 815		
					A-515 95		
					A-1738 400		

PHELPS COUNTY CANAL

From Platte River in Sec. 8-13-29 W.--1947

Measured in Sec. 2-8-21 W.--From the Tri-County Canal

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	78	28	109	225	232	325	493
2	70	55	118	228	235	368	488
3	50	55	137	228	260	379	493
4	38	56	137	228	255	415	496
5	25	24	148	222	258	443	499
6	24	0	157	232	252	471	510
7	10	0	200	242	252	491	502
8	0	0	210	245	270	510	505
9	0	0	202	248	275	516	519
10	0	0	200	245	275	521	510
11	0	0	202	245	275	524	491
12	0	23	188	242	275	524	451
13	0	55	178	242	275	524	409
14	0	55	175	242	270	527	404
15	0	54	182	238	260	527	376
16	0	54	182	245	260	524	328
17	0	62	180	252	262	519	315
18	0	67	180	250	262	519	312
19	0	72	175	255	262	521	310
20	0	105	170	252	260	527	305
21	0	128	172	255	262	535	302
22	0	118	188	85	262	538	288
23	0	107	210	76	262	547	278
24	0	105	212	265	262	553	280
25	0	107	212	258	260	550	275
26	0	105	220	252	255	538	260
27	0	105	228	238	248	530	238
28	0	109	228	232	242	521	230
29	0	109	225	230	235	519	235
30	0	107	235	232	262	505	220
31	0	.	232	.	292	493	.
Mean	10	62	187	231	260	500	377
Max.	78	128	235	265	292	553	519
Min.	0	0	109	76	232	325	220
A.F.	580	3700	11490	13740	15980	30750	22460
Water diverted	98700 A. F.						

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PAXTON-HERSHEY DIVERSION
From North Platte River—1947

Date	Oct.	May	June	July	Aug.	Sept.
1	6	0	40	35	92	77
2	6	0	33	34	101	76
3	7	0	31	37	103	74
4	42	0	44	42	108	47
5	25	0	32	42	106	1
6	7	0	32	15	103	1
7	5	0	30	23	63	1
8	4	0	28	32	61	46
9	0	0	31	27	58	94
10	0	0	45	30	77	67
11	0	0	60	36	85	24
12	0	0	68	23	87	23
13	0	0	61	28	94	18
14	0	0	47	47	95	20
15	0	0	42	45	89	18
16	0	0	39	48	92	23
17	0	0	33	50	94	17
18	0	0	52	55	89	10
19	0	38	60	53	89	20
20	0	51	53	64	89	11
21	0	33	60	67	89	0
22	0	34	52	55	85	0
23	0	45	42	53	87	6
24	0	56	34	49	87	17
25	0	32	34	52	87	13
26	0	35	30	53	84	1
27	0	22	37	53	71	0
28	0	21	39	54	66	0
29	0	16	50	64	76	0
30	0	31	47	78	76	10
31	0	28	..	87	77	..
Mean	3	14	43	46	86	24
Max.	42	56	68	87	108	94
Min.	0	0	28	15	61	0
A.F.	200	880	2550	2840	5280	1420

Water diverted 13170 A. F.
Acreage reported
D-653 7458

RAMSHORN DIVERSION
From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	16	0	28	18
2	0	16	0	28	17
3	0	17	0	27	13
4	0	17	0	21	9
5	0	17	0	18	13
6	0	15	0	16	17
7	0	13	0	20	17
8	0	13	14	20	14
9	0	13	16	16	20
10	0	12	16	16	20
11	0	9	35	17	17
12	0	0	12	26	17
13	0	0	5	30	17
14	0	7	7	29	12
15	0	6	8	24	13
16	0	5	10	28	8
17	0	5	9	32	7
18	0	5	8	29	8
19	9	5	11	27	8
20	16	5	10	21	7
21	0	5	10	18	7
22	5	5	10	22	7
23	4	5	12	16	7
24	4	5	10	3	7
25	3	6	7	10	7
26	3	7	7	13	7
27	9	6	7	18	9
28	15	6	7	14	8
29	22	5	4	17	16
30	23	6	9	16	9
31	19	5	5	17	15
Mean	4	8	7	21	12
Max.	23	17	35	32	20
Min.	0	0	0	3	7
A.F.	260	500	450	1270	700

Water diverted 3180 A. F.
Acreage reported
D-945 1619

SHERIDAN WILSON DIVERSION
From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	6
2	0	0	0	0	6
3	0	0	0	0	6
4	0	0	0	0	6
5	0	0	0	4	2
6	0	0	0	10	2
7	0	0	0	8	2
8	0	0	0	9	3
9	0	0	0	10	4
10	0	0	0	11	4
11	0	0	0	1	5
12	0	0	0	3	6
13	0	0	0	6	6
14	0	0	0	9	0
15	0	0	0	4	6
16	0	0	3	9	0
17	0	0	3	7	0
18	0	0	4	6	0
19	0	0	3	9	0
20	0	0	2	4	0
21	0	0	2	4	0
22	0	0	1	5	0
23	0	0	0	6	0
24	0	0	0	6	0
25	0	0	0	6	0
26	0	0	0	5	0
27	0	0	0	2	0
28	0	0	0	2	0
29	0	0	0	2	0
30	0	0	0	7	0
31	0	0	0	7	..
Mean	0	0	1	5	2
Max.	0	0	4	11	6
Min.	0	0	0	0	0
A.F.	0	0	40	320	130

Water diverted 490 A. F.

Note: See Summary on page 639.

SHERIDAN WILSON DIVERSION
From Sarben Slough—1947

Day	May	June	July	Aug.	Sept.
1	5	6	6	5	6
2	5	6	6	5	6
3	5	6	6	5	6
4	5	6	6	5	6
5	5	6	6	5	6
6	5	6	6	5	6
7	5	6	6	5	6
8	5	6	6	5	6
9	5	6	6	5	6
10	5	6	6	5	6
11	5	6	6	5	6
12	5	6	6	5	6
13	5	6	6	5	6
14	5	6	6	5	6
15	5	6	6	5	6
16	6	6	6	6	6
17	6	6	6	6	6
18	6	6	6	6	6
19	6	6	6	6	6
20	6	6	6	6	6
21	6	6	5	6	6
22	6	6	5	6	6
23	6	6	5	6	6
24	6	6	5	6	6
25	6	6	5	6	6
26	6	6	5	6	6
27	6	6	5	6	6
28	6	6	5	6	6
29	6	6	5	6	6
30	6	6	5	6	6
31	6	6	5	6	6
Mean	6	6	6	6	6
Max.	6	6	6	6	6
Min.	5	6	5	5	6
A.F.	340	360	350	340	410

Water diverted 1800 A. F.
Estimated discharge from measurements
no recorder.

BUREAU OF IRRIGATION

639

SHERIDAN-WILSON CANAL—1947

Summary in Acre-feet

Diverted from:	May	June	July	Aug.	Sept.	Total
North Platte River.....	0	0	40	320	130	490
Sarben Slough	340	360	350	340	410	1800
Total.....	340	360	390	660	540	2290

Water diverted 2290 A. F.

Acreeage reported
D-710 700

SHORT LINE DIVERSION
From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	20	8
2	0	0	0	19	7
3	0	0	0	9	9
4	0	1	0	9	9
5	0	0	0	13	9
6	0	2	0	17	18
7	0	4	0	17	18
8	0	2	3	17	18
9	0	3	3	17	14
10	0	3	4	17	11
11	0	2	3	16	15
12	0	3	3	19	13
13	0	2	3	20	11
14	0	3	12	19	11
15	0	3	9	7	12
16	10	3	14	4	10
17	8	8	10	1	10
18	8	0	12	7	9
19	8	0	18	6	9
20	8	0	19	8	4
21	12	0	15	18	0
22	18	0	10	18	0
23	19	0	12	18	8
24	20	0	11	18	5
25	26	0	12	12	0
26	25	0	12	15	0
27	22	0	27	16	0
28	18	0	20	15	0
29	4	0	17	12	0
30	4	0	14	11	0
31	3	.	26	9	.
Mean	7	1	9	14	8
Max.	26	8	17	20	18
Min.	0	0	0	1	0
A.F.	420	80	570	840	470

Water diverted 2380 A. F.
Acreeage reported
D-946 2697

SIX MILE DIVERSION
From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	9	0	0	16
2	0	8	0	0	15
3	0	8	0	0	15
4	0	8	0	0	14
5	0	7	0	0	12
6	0	0	0	11	12
7	0	0	0	6	4
8	0	0	0	12	0
9	0	0	0	16	0
10	0	1	0	17	0
11	0	3	0	18	0
12	0	5	0	18	0
13	0	4	0	18	0
14	0	4	0	16	0
15	0	4	0	19	0
16	4	4	0	18	0
17	9	4	0	18	0
18	8	0	0	19	0
19	10	0	0	18	0
20	9	0	0	18	0
21	9	0	0	17	0
22	8	0	0	17	0
23	9	0	0	19	0
24	9	0	0	19	0
25	8	0	0	19	0
26	8	0	0	17	0
27	8	7	0	14	0
28	10	0	0	14	0
29	10	0	0	14	0
30	10	0	0	13	0
31	9	.	0	17	.
Mean	4	3	0	14	3
Max.	10	9	0	19	16
Min.	0	0	0	0	0
A.F.	270	150	0	870	170

Water diverted 1460 A. F.
Acreeage reported
D-680 1810

SPOHN DIVERSION From North Platte River—1947						SUBURBAN DIVERSION From North Platte River—1947					
Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1	0	0	0	0	4	1	0	0	16	35	78
2	0	0	0	0	5	2	0	0	31	53	72
3	0	0	0	2	1	3	0	0	43	43	84
4	0	0	0	10	1	4	0	0	43	64	86
5	0	0	0	1	1	5	0	0	21	92	83
6	0	0	0	8	1	6	0	0	17	106	78
7	0	0	0	7	1	7	0	0	11	106	87
8	0	0	0	7	1	8	0	0	11	98	86
9	0	0	0	5	2	9	0	0	19	123	87
10	0	0	0	3	2	10	0	0	20	111	101
11	0	0	0	5	2	11	0	0	22	96	123
12	0	0	0	3	5	12	0	0	41	61	81
13	0	0	0	3	5	13	0	0	54	73	43
14	0	0	0	3	5	14	0	18	38	86	26
15	0	0	0	4	5	15	0	21	25	91	26
16	0	0	0	4	6	16	0	21	25	72	23
17	0	0	0	3	6	17	0	39	18	101	22
18	0	0	0	2	6	18	0	58	18	87	18
19	0	0	0	1	6	19	0	49	18	94	15
20	0	0	0	1	5	20	0	26	28	91	16
21	0	0	0	0	4	21	0	26	30	81	14
22	0	0	0	2	3	22	0	41	26	72	15
23	0	0	0	4	4	23	0	26	21	73	33
24	0	0	0	3	4	24	0	23	22	86	19
25	0	0	0	2	3	25	0	23	22	94	19
26	0	0	0	2	3	26	0	14	26	106	13
27	0	0	0	0	2	27	0	14	27	113	18
28	0	0	0	5	3	28	0	14	27	126	37
29	0	0	0	5	3	29	0	18	29	113	30
30	0	0	0	5	3	30	0	24	30	99	8
31	0	0	0	5	3	31	0	27	27	98	..
Mean	0	0	0	4	3	Mean	0	15	26	89	48
Max.	0	0	0	10	6	Max.	0	58	54	126	123
Min.	0	0	0	0	1	Min.	0	0	11	35	8
A.F.	0	0	0	220	200	A.F.	0	900	1600	5440	2860

Estimated diversion 420 A. F.

Acreage reported

D-801 1166

Poor record. One daily gage reading.

No recorder.

Water diverted 10800 A. F.

Acreage reported

D-662 7026

SUTHERLAND DIVERSION
From South Platte River—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	242	151	197	238	640	148	472	959	984	0
2	0	0	265	162	203	201	808	141	686	977	725	0
3	0	0	296	181	285	228	794	139	818	988	529	0
4	0	0	296	193	315	354	709	136	959	973	400	0
5	0	0	296	201	303	394	634	132	1010	958	298	0
6	0	0	303	222	397	356	544	112	1020	991	230	0
7	0	0	320	251	445	327	498	96	1020	1000	183	0
8	0	0	303	280	431	387	456	89	1010	1000	157	0
9	0	0	301	305	342	475	434	88	1010	1010	132	0
10	0	0	315	317	247	498	426	86	1000	1010	113	0
11	0	0	354	346	260	535	415	83	995	1010	96	0
12	0	0	346	369	303	503	432	82	995	1010	108	0
13	0	30	324	379	352	472	461	83	1000	1010	107	0
14	0	67	352	364	456	426	500	67	1010	1000	86	0
15	0	65	364	294	529	407	526	67	1010	1000	83	0
16	0	74	332	256	564	382	526	65	1010	1010	80	0
17	0	107	294	244	532	369	483	62	1000	988	80	0
18	0	107	269	238	559	365	459	62	1010	870	77	0
19	0	125	251	249	544	392	418	61	1020	732	56	0
20	0	157	292	274	456	421	407	61	1040	621	10	0
21	0	157	320	289	464	450	402	56	1040	550	10	0
22	0	175	327	289	464	483	362	53	1020	512	0	0
23	0	187	372	317	421	464	296	60	1040	818	0	0
24	0	197	389	387	327	480	260	98	1020	984	0	0
25	0	212	364	486	332	559	232	117	1030	991	0	0
26	0	238	362	512	272	631	197	129	1050	995	0	0
27	0	238	352	553	218	706	170	144	1040	995	0	0
28	0	240	265	486	216	713	162	170	1030	995	0	0
29	0	240	173	421	...	722	164	205	991	991	0	0
30	0	240	170	315	...	752	158	228	966	984	0	0
31	0	...	124	205	...	771	...	334	...	984	0	0
Mean	0	90	301	308	373	466	425	111	977	934	146	0
Max.	0	240	389	553	564	771	808	334	1050	1010	984	0
Min.	0	0	124	151	197	201	158	53	472	512	0	0
A.F.	0	5660	18510	18910	20700	28680	25730	6850	58160	57410	9000	0

Water diverted 249610 A. F.

BUREAU OF IRRIGATION

SUTHERLAND DIVERSION
From North Platte River—Sec. 2-14-38 W. 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	850	729	814	750	388	269	1161	228	226	1459
2	0	0	866	729	812	748	324	329	1105	229	223	1463
3	0	0	834	729	793	748	174	345	891	230	225	1472
4	0	0	832	729	840	746	61	435	778	205	210	1465
5	0	0	788	729	793	750	35	474	788	190	206	1470
6	0	0	648	729	786	748	35	408	761	191	211	1490
7	0	0	577	725	797	746	35	380	650	190	216	1481
8	0	0	542	725	800	731	47	383	560	192	216	1485
9	0	79	540	725	800	784	51	482	531	190	216	1498
10	0	225	562	725	830	778	53	492	461	188	213	1514
11	0	294	564	723	805	734	50	740	473	196	213	1518
12	0	410	530	729	795	729	45	748	487	241	216	1510
13	0	538	528	732	795	723	42	891	351	276	214	1512
14	0	654	557	727	793	714	45	922	237	258	215	1510
15	0	812	870	725	795	736	46	1002	198	237	218	1525
16	0	848	704	731	797	732	41	1206	200	205	218	1520
17	0	836	691	719	797	746	39	1222	237	208	222	1498
18	0	850	700	719	797	753	31	1159	251	221	251	1523
19	0	1070	702	721	799	757	31	1157	248	218	330	1525
20	0	1200	702	721	795	738	35	1170	219	203	414	1481
21	0	1180	695	717	795	740	32	1132	232	209	477	1492
22	0	1180	710	757	782	765	28	1254	235	205	628	1494
23	0	1190	710	886	772	755	27	1239	221	202	800	1488
24	0	1180	717	856	763	748	29	1226	219	220	1195	1465
25	0	1180	721	797	759	738	29	1140	220	220	1393	1454
26	0	1170	723	793	755	738	32	1193	219	218	1386	1494
27	0	1120	727	788	752	759	32	1134	219	218	1388	1457
28	0	1010	729	797	748	706	32	1180	218	218	1391	1424
29	0	937	729	800	...	591	79	1073	234	216	1397	1419
30	0	912	729	800	...	518	177	1143	236	207	1437	1419
31	0	...	729	800	...	487	...	1166	...	208	1461	...
Mean	0	629	687	752	791	724	70	874	428	214	569	1484
Max.	0	1190	866	886	840	784	388	1254	1161	276	1461	1525
Min.	0	0	528	717	748	518	27	269	198	188	206	1419
A.F.	0	37440	42260	46240	43950	44500	4180	53740	25470	13160	34960	88320

Water diverted 434200 A. F.

SUTHERLAND RESERVOIR SYSTEM

Storage in Sutherland, Regulator, and Forebay Reservoirs, Combined
Total Live Storage in Acre-feet—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	55473	29299	46739	41839	38820	40723	50962	26968	23879	65390	65787	21319
2	53633	28859	46806	41125	39109	41151	51150	25432	24678	66251	65164	21040
3	51600	28521	47330	40871	38977	40910	51090	22187	26224	66602	64168	21023
4	50057	27797	47842	40717	38664	40381	51148	24413	27262	68702	62384	20730
5	50814	26802	47810	40412	38688	40290	51051	22211	28372	70555	60276	20508
6	49914	25967	47564	40029	39050	40123	50737	21151	29890	71708	57919	20584
7	49613	25208	47597	39351	38495	40142	50829	19643	32055	72438	55855	20584
8	49353	24474	48195	39259	36830	40195	49498	18740	34157	73167	53661	20296
9	48731	24021	48003	39259	38387	40887	48510	17133	35372	73504	51485	20338
10	48589	23667	47567	39512	38857	41481	48215	16263	38111	73920	49430	20262
11	47867	23452	47351	39265	39062	42078	47814	17278	40015	74547	47269	21595
12	47390	23106	46963	39929	39363	42164	47017	17226	42438	74958	44820	22367
13	47016	22810	46304	40171	39580	42506	46660	16682	44510	75296	42929	23284
14	45746	22923	45729	40183	39991	43123	46262	16665	45890	74998	40882	24028
15	44848	23645	45922	39977	40870	43262	45527	16673	47245	74817	38958	24604
16	43776	24425	45570	39495	41715	44319	44909	16857	48369	74151	36498	25260
17	43246	25798	44488	38833	42082	44487	44603	16910	48612	74254	34347	25841
18	42660	26969	43800	38170	42694	44859	43950	17844	49795	73914	32178	25972
19	42508	28357	43500	38544	42841	45028	43164	17933	51859	73659	29568	26049
20	42242	29904	43817	38232	42580	45418	42955	18086	53030	73854	27498	25667
21	41833	32282	44513	37944	42689	45717	41552	18147	54441	73280	25413	26053
22	40797	35764	45593	37929	42990	45574	40190	18558	56633	72277	23459	26544
23	39086	35617	46345	38270	43472	46447	38958	18816	58543	71180	22141	27002
24	37675	37724	46342	38860	43130	46593	36809	19515	59975	70934	21513	27638
25	36413	38652	47055	39182	42807	46621	36231	19254	60647	70466	21660	28339
26	35217	40580	47330	39726	42327	46648	34689	19088	60744	70145	21769	28945
27	34320	42231	47419	41147	41833	47634	33321	18950	61509	69246	21873	29397
28	32938	44006	45769	41315	41609	48666	31343	19254	61871	68049	21751	29934
29	31741	45372	44718	41375	...	49204	29741	20032	63768	66870	21370	30249
30	30975	46015	43522	40893	...	50372	28161	20887	64559	66605	21255	30378
31	29858	...	42000	40303	...	50553	...	22293	...	66081	21418	...

Reported by Platte Valley Public Power and Irrigation District.

REPORT OF THE STATE ENGINEER

SUTHERLAND POWER RETURN

To the River at North Platte—Sec. 9-13-30 W.—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	554	212	161	514	994	955	794	942	595	280	1007	1191
2	634	144	732	919	771	744	793	939	950	304	970	1202
3	736	0	557	1012	943	922	864	965	918	318	881	1239
4	665	295	420	1043	875	980	725	118	874	0	1166	1191
5	46	495	723	687	840	990	620	935	878	26	1260	1161
6	94	481	563	900	793	967	449	968	837	0	1225	1144
7	48	162	581	891	921	899	588	959	801	396	1119	1073
8	26	131	256	826	1059	855	665	799	465	396	1080	1248
9	43	28	689	869	606	626	796	900	634	307	1108	1176
10	18	0	772	776	586	792	740	618	111	464	973	1138
11	58	217	698	887	719	845	447	524	218	404	1052	855
12	105	327	799	635	706	939	632	624	191	493	1136	819
13	31	281	867	761	697	743	448	597	230	592	1064	818
14	456	374	1064	774	737	723	517	652	270	816	1039	659
15	218	235	467	807	762	733	747	839	227	848	995	938
16	314	182	879	919	666	580	636	889	298	995	1150	854
17	141	0	1013	949	855	747	462	854	475	885	1183	948
18	22	137	904	929	946	722	578	644	413	908	1114	1056
19	0	148	817	698	1021	780	681	927	240	781	1306	1153
20	0	218	512	791	1077	790	450	899	122	258	1204	1148
21	7	98	317	870	1023	820	668	900	27	731	1152	1064
22	305	167	274	850	909	849	816	860	0	757	1151	853
23	525	172	597	850	706	591	885	931	0	962	1148	939
24	501	84	1100	690	1091	889	813	970	154	926	988	824
25	456	565	572	833	929	889	739	862	427	1009	1056	901
26	343	136	645	488	936	870	728	990	894	1034	1079	936
27	322	236	825	769	874	830	705	1030	654	1136	935	807
28	479	32	979	909	891	734	1015	1127	460	1219	1055	783
29	464	201	899	906	...	796	886	618	30	1095	1245	926
30	286	484	1096	1014	...	459	873	287	358	857	1192	925
31	355	...	832	973	...	818	...	743	...	977	1035	...
Mean	266	208	697	830	855	802	692	804	425	651	1099	1000
Max.	736	565	1100	1043	1091	990	1015	1127	950	1219	1306	1248
Min.	0	0	161	488	586	459	447	118	0	0	881	659
A.F.	16360	12380	42860	51050	47470	49340	41180	49410	25290	40010	67570	59500

Water returned 502420 A. F.

THIRTY MILE DIVERSION

From Platte River—1947

Day	Oct.	May	June	July	Aug.	Sept.
1	51	0	90	0	30	200
2	51	0	86	0	31	220
3	51	0	89	0	52	226
4	61	0	96	0	68	221
5	55	0	89	0	106	224
6	43	0	74	0	119	210
7	36	0	85	0	128	232
8	0	0	74	33	126	241
9	0	0	86	56	145	230
10	0	0	93	59	153	212
11	0	0	78	74	188	222
12	0	0	97	51	206	198
13	0	0	85	57	199	180
14	0	0	73	57	228	123
15	0	0	74	57	232	128
16	0	0	78	50	250	133
17	0	0	70	50	258	126
18	0	0	76	60	267	122
19	0	0	74	55	263	120
20	0	7	75	42	259	115
21	0	71	76	34	262	106
22	0	100	0	45	266	110
23	0	100	14	44	261	120
24	0	94	26	43	256	102
25	0	92	22	44	235	81
26	0	91	29	41	238	76
27	0	93	0	36	222	73
28	0	93	0	34	219	65
29	0	74	0	40	204	73
30	0	76	0	41	203	76
31	0	91	...	40	206	...
Mean	11	32	60	37	190	152
Max.	61	100	97	74	267	241
Min.	0	0	0	0	30	65
A.F.	690	1950	3570	2270	11660	9050

Water diverted 29190 A.F.

Acreage reported
A-1853 19214
A-1976 1816
A-2077 320

Total 21350

BUREAU OF IRRIGATION

TRI-COUNTY DIVERSION
From Platte River—Sec. 8-13-29 W.—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	910	1010	920	1020	1180	1370	1370	1370	1220	1990	1710	2010
2	1090	880	1340	1100	1280	1250	1310	1350	1360	2020	1460	2040
3	1070	720	1400	1200	1320	1430	1490	1440	1470	1960	1410	2060
4	1240	790	1060	1410	1300	1590	1480	830	1840	1960	1810	2020
5	1960	1160	1300	1130	1450	1600	1410	1030	1760	1940	1990	2040
6	1470	1280	1370	1300	1490	1450	1410	1430	1800	1980	2000	2000
7	1590	1180	1250	1300	1090	1530	1310	1390	2120	2060	2010	2000
8	1760	1040	910	1310	1420	1410	1410	1310	2020	2090	2010	2020
9	1360	1090	1240	1440	1280	1330	1570	1320	2100	2020	2040	2000
10	1130	910	1390	1470	1090	1430	1750	1210	1880	1990	2020	2010
11	960	1020	1340	1510	1280	1570	1520	940	1600	2020	2040	2020
12	940	1180	1390	1430	1330	1650	1420	1150	1940	2020	2050	2030
13	920	1050	1450	1300	1300	1400	1220	1190	2100	1900	2020	2050
14	1230	1190	1590	1140	1400	1380	1160	1160	1800	2030	2010	2020
15	1060	1090	1280	1070	1560	1240	1260	1280	1430	1860	2070	2060
16	1120	1130	1350	1210	1570	1210	1220	1400	1300	1800	2040	2030
17	1000	1060	1370	1350	1670	1260	1040	1440	1440	1910	2040	2030
18	1000	1000	1310	1370	1820	1340	1060	1220	1630	1770	2050	2000
19	1000	1110	1300	1150	1780	1340	1120	1420	1730	1730	2080	2030
20	930	1120	1360	1130	1520	1360	1060	1540	2000	1240	2070	2040
21	860	1050	920	1310	1760	1370	1010	1410	2010	1440	2030	2000
22	1000	990	920	1400	1650	1400	1360	1340	340	1700	2080	1620
23	1160	1000	1150	1460	1330	1250	1390	1390	490	1950	2070	1150
24	1310	940	1550	1420	1240	1330	1340	1340	870	1920	2000	1080
25	1200	1280	1380	1420	1350	1470	1220	1540	1300	1790	2000	1080
26	1090	970	1250	1340	1370	1410	1230	1240	1680	1750	2050	1110
27	1110	960	1350	1280	1390	1380	1130	1500	1940	1770	2030	1070
28	1290	810	960	1460	1430	1330	1430	1750	2060	1900	2020	1030
29	1180	860	980	1320	....	1310	1590	1650	1990	1740	2040	1100
30	1090	1090	1160	1210	....	1100	1390	1160	2030	1640	2020	1130
31	1090	....	1080	1180	....	1230	....	1220	....	1660	2010	....
Mean	1165	1032	1246	1295	1416	1378	1323	1321	1642	1856	1977	1763
Max.	1960	1280	1590	1510	1820	1650	1750	1750	2120	2090	2080	2060
Min.	860	720	910	1020	1090	1100	1010	830	340	1240	1410	1030
A.F.	71640	61410	76600	79620	78640	84730	78700	81200	97890	114150	121550	104890
Water diverted	1050820 A. F.											

TRI-COUNTY CANAL, JEFFERY POWER RETURN
To Platte River—Sec. 25-12-27 W.—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	73	0	0	196	0	0	0	0	0	260	0	0
2	72	0	0	490	0	0	0	0	0	296	0	0
3	71	0	0	142	0	0	0	0	29	147	0	0
4	71	0	0	81	0	0	0	0	47	0	165	0
5	29	0	0	0	0	0	0	0	45	0	306	0
6	0	0	0	0	0	0	0	0	24	0	415	0
7	0	0	0	0	9	0	0	0	0	0	488	0
8	0	0	0	0	201	0	0	0	0	0	364	0
9	0	0	0	0	55	0	0	0	26	0	268	5
10	0	0	0	0	175	0	0	0	42	0	0	65
11	0	0	0	0	314	0	0	0	13	0	0	0
12	0	0	0	0	178	0	0	0	0	0	0	0
13	0	0	0	0	3	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	89	0
15	0	0	0	0	0	0	0	0	0	0	196	0
16	0	0	0	0	0	0	0	0	0	0	196	0
17	0	0	0	0	0	0	0	0	0	0	250	0
18	0	0	115	0	0	0	0	0	0	0	296	0
19	0	0	500	0	0	0	0	0	0	0	300	0
20	0	0	500	0	0	0	0	0	0	0	126	0
21	0	0	198	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	39	0	0	0
23	0	0	0	0	0	0	0	23	0	0	0	0
24	0	0	0	0	0	0	0	48	0	0	0	0
25	0	0	0	0	0	0	0	48	0	0	0	0
26	0	0	0	0	0	0	0	48	32	0	0	0
27	0	0	0	0	0	0	0	47	0	0	0	0
28	0	0	0	0	0	0	0	27	22	0	0	0
29	0	0	62	0	...	0	0	0	0	0	0	0
30	0	0	759	0	...	0	0	0	191	0	0	0
31	0	0	739	0	...	0	0	0	...	0	0	0
Mean	10	0	93	29	33	0	0	8	17	23	112	4
Max.	73	0	759	490	314	0	0	48	191	296	488	65
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	630	0	5700	1800	1850	0	0	480	1020	1390	6860	230
Water diverted	19960 A. F.											

REPORT OF THE STATE ENGINEER

TRI-COUNTY CANAL, JOHNSON POWER RETURN
To Platte River—1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	707	646	875	1020	1258	1240	1099	543	519	923	971	158
2	574	809	1311	952	1123	1154	1213	498	737	958	958	682
3	719	707	1180	983	1304	1263	1241	489	624	856	701	706
4	736	824	973	731	1257	1292	1228	427	1010	434	931	713
5	724	688	972	201	1084	1332	1329	1063	1207	788	986	683
6	20	770	1231	715	722	1141	402	923	1080	305	880	547
7	718	816	919	739	965	1045	1178	889	1010	802	674	242
8	908	582	382	752	465	958	1193	735	436	847	665	751
9	956	565	814	734	434	807	1313	763	1098	872	576	572
10	1480	446	937	627	870	1138	1231	608	1360	946	171	519
11	1521	983	948	685	835	1154	1099	10	1467	974	649	375
12	1302	919	1018	400	776	1319	1108	749	1484	855	612	284
13	867	487	995	939	672	1096	405	825	1521	222	517	177
14	636	605	1104	687	693	1171	1016	786	1437	788	408	62
15	626	666	556	949	547	1042	1227	539	665	969	473	214
16	878	733	1004	926	248	870	1069	450	1225	619	394	337
17	1030	522	1148	987	971	1111	1097	406	1215	857	65	362
18	208	880	1362	765	1023	1114	1120	127	844	521	625	611
19	622	635	1638	453	1127	1093	1287	634	926	925	658	566
20	243	726	1654	879	1352	1093	557	528	1173	445	641	484
21	729	760	1486	1064	1196	1134	1281	713	1053	922	663	0
22	813	1022	1366	1171	1207	1255	1286	715	1152	905	665	737
23	811	1056	988	1114	858	739	1332	777	665	988	683	841
24	806	827	630	939	1500	1242	939	779	842	925	273	935
25	767	1248	83	1089	1628	1383	871	82	1086	832	308	965
26	893	1047	959	760	1540	1301	608	731	1321	951	500	953
27	423	749	1090	1159	1464	1210	139	976	1217	279	437	1028
28	920	496	1266	1348	1484	1114	696	1097	1176	950	576	469
29	1093	749	1161	1516	....	1114	1114	394	843	1176	663	900
30	793	971	1323	1356	....	527	956	151	1019	1246	675	1017
31	804	....	1569	1461	....	1086	....	257	....	898	54	....
Mean	791	764	1063	907	1022	1114	1021	621	1047	806	582	563
Max.	1521	1248	1654	1516	1628	1383	1332	1097	1484	1246	971	1028
Min.	20	446	83	201	248	527	139	10	436	222	54	0
A.F.	48610	45450	65380	55800	56730	68500	60760	37020	62310	49570	35810	33500
Water returned 619440 A. F.												

TRI-STATE DIVERSION
From North Platte River—1947
For Farmers Irrigation District and
Preferred Rights

Day	May	June	July	Aug.	Sept.
1	55	2	0	912	888
2	60	5	0	909	880
3	58	64	0	911	868
4	58	54	0	876	867
5	104	104	0	863	865
6	170	192	69	871	865
7	346	226	164	835	865
8	412	258	301	895	865
9	512	214	397	896	865
10	422	194	452	925	874
11	373	225	554	914	825
12	463	0	875	914	795
13	387	0	905	919	780
14	380	0	953	908	743
15	248	72	960	890	732
16	351	96	963	899	689
17	443	216	916	911	660
18	637	219	824	872	640
19	580	216	798	860	619
20	586	212	800	868	592
21	527	193	804	860	579
22	547	115	785	870	579
23	566	102	861	862	572
24	542	91	931	860	565
25	507	88	905	860	562
26	438	94	846	873	552
27	411	92	845	884	522
28	380	90	741	890	499
29	2	0	657	871	490
30	0	0	679	922	474
31	0	....	829	918	....
Mean	340	114	607	888	706
Max.	637	258	963	925	874
Min.	0	0	0	835	474
A.F.	20920	6820	37320	54600	41990
Water diverted 161650 A. F.					

Note: See Summary on page 645.

BUREAU OF IRRIGATION

645

TRI-STATE DIVERSION—1947
For Farmers Irrigation District and Preferred Rights
Summary in Acre-feet

	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	20920	6820	37320	54600	41990	161850
†Optional Diversions						5100
Total						166750
†Estimated						
Acreage reported						
D-918	58418					
A-660	2380					
O. D.	1693					
Total	62491					

UNION DIVERSION

Diverted from Blue Creek—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	19	13
2	0	0	0	18	14
3	0	0	0	19	15
4	0	0	0	18	14
5	0	6	0	18	9
6	0	7	0	18	8
7	0	9	0	16	7
8	4	8	0	16	7
9	4	8	4	16	10
10	6	8	5	16	11
11	6	0	5	17	3
12	7	0	4	16	4
13	2	0	3	15	6
14	10	0	2	16	5
15	10	0	3	13	7
16	11	0	3	11	5
17	11	0	5	12	5
18	10	0	9	12	5
19	10	0	9	14	5
20	10	0	9	14	5
21	10	0	8	14	7
22	12	0	4	13	9
23	13	0	4	14	9
24	13	0	7	12	9
25	14	0	7	11	9
26	16	0	9	12	8
27	18	0	10	11	8
28	0	0	10	10	7
29	0	0	12	11	8
30	0	0	15	10	7
31	0	..	16	10	..
Mean	6	2	5	14	8
Max.	18	9	16	19	15
Min.	0	0	0	10	3
A.F.	390	90	320	880	470

Water diverted 2150 A. F.
Acreage reported
D-763 1233

BUREAU OF IRRIGATION

WINTERS CREEK DIVERSION
From North Platte River—1947

Day	May	June	July	Aug.	Sept.
1	0	6	7	26	20
2	0	5	7	21	22
3	0	5	6	20	21
4	0	5	6	18	19
5	14	6	6	20	16
6	17	8	5	23	15
7	19	6	3	21	15
8	20	4	3	20	15
9	19	5	2	19	17
10	15	5	6	20	15
11	14	11	17	27	10
12	17	11	23	23	9
13	15	7	14	23	7
14	14	8	25	25	5
15	13	8	15	25	5
16	11	12	41	25	5
17	11	16	36	25	6
18	10	14	24	25	8
19	10	8	26	24	14
20	11	10	27	23	8
21	9	18	22	22	7
22	8	18	23	21	9
23	8	14	22	21	12
24	8	13	21	20	16
25	8	12	20	21	18
26	10	13	19	19	16
27	10	11	17	20	14
28	8	10	19	19	16
29	8	11	15	18	18
30	7	7	24	18	15
31	7	..	35	19	..
Mean	10	10	17	22	13
Max.	20	18	36	27	22
Min.	0	4	2	18	5
A.F.	640	570	1060	1330	780

Water diverted 4380 A. F.

WINTERS CREEK DIVERSION
From Winters Creek—1947

Day	May	June	July	Aug.	Sept.
1	0	0	0	61	32
2	0	3	0	53	37
3	0	6	0	47	39
4	10	2	0	43	37
5	33	0	0	45	41
6	31	0	0	66	48
7	29	0	0	73	41
8	26	29	27	86	57
9	32	45	38	73	50
10	31	23	33	55	35
11	31	4	42	51	24
12	31	2	54	45	32
13	37	22	70	46	38
14	39	22	88	44	21
15	36	4	84	44	18
16	30	9	84	43	22
17	30	5	91	45	20
18	28	2	94	45	24
19	29	0	83	46	30
20	12	22	83	44	36
21	19	0	80	41	52
22	47	0	73	42	65
23	40	0	54	42	60
24	45	0	59	48	56
25	50	0	60	51	51
26	47	0	56	46	46
27	14	0	75	44	38
28	3	0	89	41	40
29	1	0	81	42	38
30	..	..	63	43	..
31	25	7	50	51	40
Mean	47	45	94	86	65
Max.	0	0	0	41	20
Min.	0	0	0	0	0
A.F.	1550	400	3100	3120	2350

Water diverted 10520 A. F.

WINTERS CREEK LATERAL
From Winters Creek—1947

Day	May	June	July	Aug.	Sept.
1	10	0	0	13	10
2	0	0	7	14	17
3	10	9	8	15	18
4	9	0	0	9	6
5	0	0	8	11	8
6	0	0	7	9	7
7	10	0	0	11	8
8	13	0	7	13	9
9	14	11	8	12	17
10	11	11	0	8	12
11	11	11	11	11	6
12	11	0	15	13	5
13	11	0	16	12	5
14	11	0	19	15	3
15	13	0	19	12	6
16	13	0	19	12	0
17	12	0	16	14	5
18	0	0	16	13	4
19	11	0	16	13	4
20	15	0	12	13	0
21	14	0	13	13	0
22	0	0	17	7	11
23	0	0	19	10	19
24	9	0	13	7	15
25	8	0	14	11	16
26	11	0	14	10	19
27	11	0	10	11	13
28	0	0	11	13	14
29	0	0	12	12	5
30	0	0	17	11	16
31	0	..	12	12	..
Mean	8	1	11	12	9
Max.	15	11	19	15	19
Min.	0	0	0	7	3
A.F.	470	80	710	710	550

Water diverted 2520 A. F.
Reported by Water Commissioner.

REPORT OF THE STATE ENGINEER

WINTERS CREEK CANAL

Summary in Acre-feet—1947

Diverted from:	May	June	July	Aug.	Sept.	Total
North Platte River.....	640	570	1060	1330	780	4380
Winters Creek:						
Main Canal.....	1550	400	3100	3120	2350	10520
Factory Lateral.....	470	80	710	710	550	2520
Total diverted.....	2660	1050	4870	5160	3680	17420
Total water diverted 17420 A. F.						
Acreage reported D-952 5748						

BUREAU OF IRRIGATION

ALLIANCE DIVERSION
From Bayard Sugar Factory Drain—1948

Day	May	June	July	Aug.	Sept.
1	0	20	19	9	12
2	0	20	20	10	13
3	11	24	21	13	12
4	4	22	23	14	13
5	3	24	23	15	13
6	1	22	24	16	15
7	3	21	23	16	20
8	1	19	19	14	20
9	1	19	17	11	18
10	1	18	19	7	18
11	2	19	15	6	21
12	1	21	15	4	21
13	8	21	15	3	22
14	12	21	15	2	23
15	17	22	17	3	22
16	17	21	27	3	22
17	0	19	25	3	22
18	4	13	24	2	23
19	10	22	23	1	22
20	10	23	24	2	23
21	10	22	26	3	22
22	15	24	25	2	20
23	12	21	24	8	25
24	19	21	23	11	24
25	14	22	16	12	24
26	16	21	12	12	23
27	16	21	12	11	21
28	19	20	10	12	20
29	24	19	9	10	21
30	21	19	11	10	21
31	19	..	10	11	..
Mean	9	21	18	8	20
Max.	24	24	27	16	25
Min.	0	13	3	1	12
A.F.	580	1230	1130	510	1180
Water diverted			Acreage reported		
4630 A. F.			D-874,1035 2106		

ALLIANCE DIVERSION
From Red Willow Creek—1948

Day	May	June	July	Aug.	Sept.
1	0	36	17	57	57
2	0	49	10	51	52
3	0	45	12	46	54
4	0	46	14	49	42
5	0	47	6	49	41
6	0	43	21	41	43
7	0	44	29	32	42
8	0	46	33	31	28
9	0	46	37	35	31
10	0	46	40	44	30
11	0	47	43	45	27
12	13	46	49	51	22
13	13	42	45	54	27
14	13	41	23	53	29
15	14	41	20	49	25
16	15	28	28	50	23
17	15	0	30	52	32
18	15	0	28	58	36
19	15	0	24	58	34
20	16	0	24	57	34
21	21	0	26	58	36
22	15	0	30	63	36
23	23	0	37	62	11
24	23	0	41	58	0
25	17	0	43	60	0
26	31	0	48	57	0
27	31	0	54	57	0
28	28	0	57	53	0
29	25	6	55	32	0
30	26	15	57	49	0
31	36	..	58	58	..
Mean	13	31	34	54	26
Max.	36	49	58	63	57
Min.	0	0	6	31	11
A.F.	810	1800	2060	3210	1570
Water diverted			Acreage reported		
9450 A. F.			D-874,1035 4022		
			A-1181 80		
			A-1432 60		
			A-1436 18		
Total					4180

ATKINS-POLLY DIVERSION
From Lodgepole Creek—1948

Day	May	June	July	Aug.	Sept.
1	0	1	0	0	1
2	0	1	0	0	1
3	0	1	0	0	1
4	0	1	0	0	1
5	0	1	0	0	1
6	0	1	0	0	1
7	0	1	0	0	1
8	0	1	0	0	2
9	0	1	0	0	2
10	0	1	0	0	2
11	0	1	0	0	2
12	1	1	0	0	2
13	1	2	0	0	2
14	1	2	0	0	2
15	1	2	0	0	2
16	1	2	0	0	2
17	0	2	0	1	2
18	0	2	0	1	2
19	0	2	0	1	2
20	0	2	0	1	2
21	0	2	0	1	2
22	0	2	0	1	2
23	0	0	0	0	1
24	0	0	0	1	1
25	0	0	0	1	1
26	1	0	0	1	1
27	1	0	0	1	1
28	1	0	0	1	1
29	1	0	0	1	1
30	1	0	0	1	1
31	1	..	0	1	..
Mean	0	1	0	0	2
Max.	1	2	0	1	2
Min.	0	0	0	0	1
A.F.	20	60	0	30	90
Water diverted			Acreage reported		
200 A. F.			D-342 55		
			D-344 30		
			A-897R 8		
Total					93

BEERLINE DIVERSION
From North Platte River and Pathfinder Reservoir—1948

Day	May	June	July	Aug.	Sept.
1	0	4	7	7	5
2	0	4	9	7	3
3	0	18	9	8	5
4	0	17	9	0	6
5	0	9	8	0	7
6	0	7	8	0	8
7	0	7	8	6	10
8	0	7	8	4	10
9	0	11	7	3	10
10	0	11	0	7	4
11	0	0	0	7	4
12	0	0	0	4	4
13	0	0	0	6	4
14	0	8	9	5	4
15	0	8	0	4	4
16	0	9	0	4	3
17	0	14	0	4	3
18	0	3	0	4	2
19	0	3	0	7	2
20	0	3	9	10	3
21	7	1	8	17	3
22	12	1	0	17	2
23	9	1	5	17	4
24	8	1	5	17	5
25	12	1	5	15	2
26	11	0	5	6	0
27	9	0	8	4	0
28	9	0	8	4	0
29	9	0	8	12	0
30	4	0	5	12	0
31	4	..	0	5	..
Mean	2	5	5	8	4
Max.	12	18	9	17	10
Min.	0	0	0	0	0
A.F.	190	300	290	440	220
Water diverted			Acreage reported		
1440 A. F.			D-887 2080		

REPORT OF THE STATE ENGINEER

BELMONT DIVERSION From North Platte River—1948						BELMONT DIVERSION From Cedar Creek—1948					
Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1	0	87	35	125	100	1	0	0	0	8	11
2	0	98	33	127	98	2	0	0	0	8	11
3	0	97	30	104	95	3	0	0	0	9	11
4	0	94	37	104	95	4	0	8	3	9	11
5	0	101	45	96	99	5	0	9	3	9	11
6	0	60	58	77	109	6	0	9	3	9	11
7	0	94	37	49	100	7	0	9	7	9	11
8	66	91	63	63	94	8	0	10	8	9	11
9	84	92	84	72	92	9	0	10	8	9	12
10	83	95	100	32	85	10	0	11	8	8	11
11	80	121	97	3	68	11	0	11	9	8	12
12	83	114	106	0	56	12	0	5	8	8	12
13	92	108	129	7	68	13	0	0	5	8	12
14	101	109	80	28	78	14	0	0	4	8	12
15	111	111	17	49	75	15	0	0	2	8	12
16	122	108	12	69	66	16	9	0	2	8	11
17	138	76	12	85	66	17	9	0	2	8	11
18	138	55	38	90	64	18	7	0	2	8	11
19	121	53	59	98	59	19	7	0	2	8	11
20	108	42	69	104	55	20	5	0	2	8	11
21	115	41	69	109	62	21	8	0	2	11	12
22	145	30	63	114	65	22	8	0	2	11	12
23	116	17	61	117	68	23	8	0	2	11	4
24	124	33	57	117	57	24	8	0	2	12	0
25	120	31	72	115	50	25	8	0	2	12	0
26	122	27	91	112	46	26	8	0	2	12	0
27	130	32	89	85	39	27	8	0	2	11	0
28	124	30	103	82	41	28	8	7	3	11	0
29	102	33	114	86	39	29	0	7	3	11	0
30	62	34	114	82	46	30	0	0	3	11	0
31	91	..	127	89	..	31	0	..	6	11	..
Mean	83	70	69	80	71	Mean	3	3	3	9	8
Max.	145	121	129	127	109	Max.	9	11	9	12	12
Min.	0	17	12	0	39	Min.	0	0	0	8	0
A.F.	5110	4190	4270	4940	4230	A.F.	200	190	210	580	500

Water diverted 22740 A. F.

Water diverted 1680 A. F.

BELMONT CANAL
Summary in Acre-feet—1948

Diverted from:	May	June	July	Aug.	Sept.	Total
North Platte River.....	5110	4190	4270	4940	4230	22740
Cedar Creek	200	190	210	580	500	1680
Totals.....	5310	4380	4480	5520	4730	24420

Water diverted 24420 A. F.

Acreage reported D-828 13865

BUREAU OF IRRIGATION

BENNETT RESERVOIR, A-657, A-1974

From Lodgepole Creek—1948					
Day	May	June	July	Aug.	Sept.
1	790	...	850
2
3	1000	...
4	...	740	...	...	...
5
6
7	1020	510
8
9
10	...	680	...	1000	...
11
12
13
14	940	...
15	920	920	...
16
17	900	...
18
19
20	80	...	...	...	...
21
22
23	960	...	...
24
25	450
26
27	940	750	...
28
29
30
31

BENNETT DIVERSION, A-691, A-1975

From Lodgepole Creek—1948					
Day	May	June	July	Aug.	Sept.
1	0	0	0	2	1
2	0	0	0	2	1
3	0	0	0	1	1
4	0	0	0	2	2
5	0	0	0	2	2
6	0	0	0	0	3
7	0	0	0	0	3
8	0	0	0	0	3
9	0	0	0	0	3
10	0	0	3	0	3
11	0	0	3	0	3
12	0	0	3	2	3
13	0	0	3	3	3
14	0	0	0	4	3
15	0	0	0	3	3
16	0	0	3	3	3
17	0	0	2	2	2
18	0	0	2	2	2
19	0	0	2	2	2
20	0	0	4	3	3
21	0	0	2	2	3
22	0	0	3	3	3
23	0	0	3	3	3
24	0	0	3	3	3
25	0	0	0	3	3
26	0	0	0	3	3
27	0	0	0	3	3
28	0	0	3	2	3
29	0	0	2	2	2
30	0	0	2	2	2
31	0	0	2	1	3
Mean	0	0	2	2	3
Max.	0	0	4	4	3
Min.	0	0	0	0	0
A.F.	0	0	90	120	150

Water diverted 360 A. F.

BICKEL DIVERSION

From Lodgepole Creek—1948

Day	May	June	July	Aug.	Sept.
1	0	2	0	0	1
2	0	2	0	0	1
3	0	2	0	0	1
4	0	2	0	0	1
5	0	2	0	0	1
6	0	2	0	0	1
7	0	2	1	2	1
8	0	2	1	2	0
9	0	2	1	2	0
10	0	2	1	2	0
11	0	2	1	1	0
12	0	2	1	1	0
13	0	2	1	1	0
14	0	2	0	1	0
15	0	2	0	1	0
16	0	2	0	1	0
17	0	1	0	1	0
18	0	1	0	1	0
19	0	1	0	1	0
20	0	0	0	1	0
21	0	0	0	1	0
22	1	0	0	1	0
23	1	0	0	1	0
24	1	0	0	1	1
25	1	0	0	1	1
26	1	0	0	2	0
27	1	0	2	1	1
28	1	0	2	1	0
29	2	0	1	1	1
30	1	0	1	1	1
31	1	0	1	1	1
Mean	0	1	0	1	0
Max.	2	2	2	2	1
Min.	0	0	0	0	0
A.F.	20	70	30	60	30

Water diverted 210 A. F. Acreage reported D-347 22 A-719 61

Total 83

BIRDWOOD DIVERSION

From Birdwood Creek—1948

Day	May	June	July	Aug.	Sept.
1	0	0	6	28	49
2	0	0	16	22	34
3	0	12	24	0	29
4	0	27	27	3	31
5	32	20	41	3	32
6	20	21	40	2	25
7	6	21	43	0	3
8	0	21	40	0	15
9	0	22	27	0	25
10	17	22	23	5	29
11	20	22	25	23	30
12	22	1	44	23	30
13	21	1	53	15	30
14	22	0	44	23	33
15	20	0	26	22	14
16	20	0	22	24	23
17	19	0	21	30	27
18	27	0	20	30	28
19	44	14	32	31	28
20	45	27	26	33	20
21	46	20	25	32	16
22	45	19	33	43	24
23	45	14	46	52	29
24	40	12	46	52	29
25	40	12	36	48	24
26	46	11	30	34	25
27	51	19	30	23	26
28	50	13	27	19	26
29	47	7	1	31	26
30	28	5	27	40	27
31	2	0	33	45	0
Mean	24	12	30	24	26
Max.	51	27	53	52	49
Min.	0	0	1	0	3
A.F.	1470	720	1840	1460	1560

Water diverted 7050 A. F. Acreage reported D-646 5834

BLUE CREEK DIVERSION

From Blue Creek and Crescent Lake—1948

Day	Oct.	May	June	July	Aug.	Sept.
1	41	13	36	23	31	35
2	38	8	40	21	36	37
3	37	31	31	19	43	43
4	36	32	27	19	41	35
5	35	31	23	19	37	33
6	35	30	15	20	35	34
7	36	32	15	24	39	33
8	36	31	27	0	40	38
9	36	35	27	0	41	35
10	37	32	25	0	40	33
11	36	37	24	0	36	32
12	34	38	29	6	35	31
13	27	43	26	11	42	31
14	35	44	25	16	44	31
15	40	47	16	24	46	31
16	28	43	12	21	43	33
17	9	44	20	15	40	36
18	23	43	24	8	36	37
19	19	42	27	9	32	39
20	16	32	28	8	26	41
21	17	27	31	15	28	40
22	12	26	32	15	37	41
23	9	28	33	16	37	41
24	10	32	36	18	37	0
25	10	36	23	24	37	2
26	5	37	23	23	39	12
27	0	31	23	28	36	9
28	0	33	23	30	34	9
29	0	36	23	29	32	15
30	0	35	23	13	30	19
31	0	35	21	21	30	19
Mean	22	34	26	16	37	30
Max.	41	47	40	30	46	43
Min.	0	8	12	0	26	0
A.F.	1380	2070	1520	980	2260	1800

Water diverted		Acreage reported	
10010 A. F.		D-785	2549
		D-795	339
		A-1154	30
		Total	2908

BOX BUTTE RESERVOIR—MIRAGE FLATS PROJECT—1948

Niobrara River, Storage in Acre-feet

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28900	.....	.....	31700	.....	.....	20300
2	32400	.....	31600	30400	27300	.....
3	32050	.....	.....	.....	19700
4	27000	.....	.....	31400	.....	.....	27300	.....
5	29100	32200	32000	.....	.....	.....	.....
6	30400	27300	.....
7	32300	32000	31200	30400	.....	18800
8	29400	.....	.....	.....	.....	.....	18800
9	32100	.....	30800	29900	27000	.....
10	32030	.....	.....	.....	18700
11	27300	.....	.....	.....	30200	.....	26600	.....
12	29600	32100	32030	.....	29300	.....	.....
13	25600	18000
14	32100	32030	29400	29000	.....	.....
15	19700	21400	23700	25900	27400	30400	.....	.....	.....	.....	.....	18300
16	27500	.....	32200	.....	28900	28900	25300	.....
17	30900	.....	31830	.....	.....	.....	.....
18	31720	29300	.....	24800	.....
19	31600	32100	31620	.....	28800	.....	.....
20	27700	.....	.....	31490	.....	.....	24200	17800
21	32000	31340	29800	28800	.....	.....
22	32300	.....	.....	.....	.....	.....	.....
23	26400	.....	.....	32100	.....	29900	28800	23300	.....
24	32700	.....	31600	.....	.....	.....	.....
25	28100	.....	.....	31600	30000	.....	22500	.....
26	26600	.....	32800	32200	.....	.....	28500	.....	.....
27	28500	.....	.....	.....	.....	.....	21900	.....
28	26700	.....	.....	32100	31600	30100	.....	.....	.....
29	28700	.....	.....	.....	.....	.....	.....	.....
30	22400	.....	.....	.....	.....	32300	.....	30400	27500	20900	18300
31	20400	.....	24800	26800	.....	32600	.....	.....	.....	27200	20700	.....

BUREAU OF IRRIGATION

BROWNS CREEK DIVERSION From North Platte River and Pathfinder Reservoir—1948						CASTLE ROCK DIVERSION From North Platte River—1948										
Day	Oct.	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.				
1	15	0	59	12	47	56	1	0	61	56	64	80				
2	17	0	62	10	50	57	2	0	69	63	66	86				
3	27	0	64	8	40	58	3	0	78	58	63	79				
4	3	0	64	10	32	34	4	0	76	62	64	81				
5	3	0	60	33	32	18	5	14	72	71	62	82				
6	3	0	48	24	23	18	6	32	72	60	61	81				
7	3	0	58	9	10	20	7	28	74	71	73	80				
8	3	0	57	9	7	34	8	30	81	85	68	80				
9	3	0	53	4	18	38	9	50	81	86	51	63				
10	3	0	52	3	18	20	10	49	77	80	52	64				
11	3	0	23	43	18	23	11	56	81	86	51	66				
12	3	0	43	58	16	29	12	45	79	84	52	65				
13	3	0	52	62	14	23	13	56	83	82	51	62				
14	3	0	59	60	19	19	14	88	83	100	56	58				
15	3	0	53	33	23	21	15	105	84	78	57	57				
16	3	0	47	14	22	22	16	106	83	47	58	59				
17	2	0	0	8	44	23	17	111	33	48	58	62				
18	0	0	0	5	51	29	18	107	0	40	62	61				
19	0	0	0	13	53	30	19	102	0	45	69	58				
20	0	0	0	23	53	35	20	96	0	40	71	57				
21	0	0	0	7	52	35	21	91	0	44	82	56				
22	0	0	0	0	50	28	22	72	0	40	80	54				
23	0	26	0	27	50	0	23	72	0	58	79	52				
24	0	45	0	29	44	0	24	73	0	65	81	51				
25	0	53	0	35	41	2	25	56	0	70	83	46				
26	0	55	5	39	40	3	26	56	0	75	84	48				
27	0	55	4	37	26	3	27	55	0	68	84	48				
28	0	54	2	34	29	9	28	56	0	85	81	51				
29	0	56	1	33	32	14	29	59	27	85	77	54				
30	0	56	9	39	35	11	30	59	41	68	69	57				
31	0	56	46	42	42	..	31	60	..	66	77	..				
Mean	3	15	29	24	33	24	Mean	58	44	65	67	63				
Max.	27	56	64	62	53	58	Max.	111	84	100	84	86				
Min.	0	0	0	7	0	0	Min.	14	0	40	51	46				
A.F.	200	900	1740	1510	2040	1410	A.F.	3540	2650	4020	4140	3770				
Water diverted						Acreage reported						Water diverted			Acreage reported	
7800 A. F.						D-857,1033						18120 A. F.			D-921	6128
															A-186R	0
															Total	6128

CENTRAL DIVERSION From North Platte River and Pathfinder Reservoir—1948						CHIMNEY ROCK DIVERSION From North Platte River and Pathfinder Reservoir—1948										
Day	May	June	July	Aug.	Sept.	Day	Apr.	May	June	July	Aug.	Sept.				
1	0	19	7	27	25	1	0	10	50	0	42	38				
2	0	9	5	26	27	2	0	8	48	1	44	38				
3	0	22	8	24	27	3	0	6	57	1	43	45				
4	0	0	10	23	26	4	0	5	61	1	42	48				
5	8	0	7	23	25	5	0	4	55	4	37	45				
6	14	17	0	13	23	6	0	6	52	6	36	48				
7	9	18	0	17	13	7	0	6	54	13	34	42				
8	6	16	0	15	5	8	0	5	54	15	31	45				
9	4	18	0	21	5	9	0	4	56	16	32	39				
10	8	17	0	25	13	10	0	7	55	17	32	31				
11	0	18	10	26	21	11	0	25	54	14	36	33				
12	0	19	10	25	20	12	0	31	52	9	36	31				
13	0	23	10	26	16	13	0	41	58	15	42	40				
14	0	26	7	27	14	14	0	52	58	26	49	37				
15	6	26	4	26	17	15	0	53	58	32	50	30				
16	7	17	0	29	14	16	0	56	60	24	52	27				
17	5	5	0	30	15	17	0	63	0	21	54	28				
18	0	0	0	29	14	18	0	60	0	19	56	31				
19	0	0	0	27	15	19	0	50	0	24	55	27				
20	0	0	0	27	18	20	0	44	0	26	54	25				
21	0	0	0	23	14	21	0	43	0	32	55	28				
22	0	0	12	21	16	22	0	65	0	33	55	31				
23	18	0	14	23	10	23	0	48	0	33	58	35				
24	19	0	21	16	0	24	0	56	0	41	58	30				
25	0	0	23	19	0	25	0	55	0	38	56	29				
26	0	0	24	26	0	26	0	49	0	47	55	29				
27	0	0	23	26	0	27	10	45	0	47	56	31				
28	20	0	20	24	0	28	25	44	0	48	44	28				
29	12	0	21	19	0	29	21	52	0	47	40	25				
30	0	0	25	24	0	30	17	54	0	49	39	25				
31	6	5	25	25	..	31	..	50	..	44	36	..				
Mean	5	9	9	24	13	Mean	18	35	29	24	45	34				
Max.	20	26	25	30	27	Max.	25	65	61	49	58	48				
Min.	0	0	0	13	0	Min.	10	4	0	0	31	25				
A.F.	280	540	570	1450	780	A.F.	140	2180	1750	1470	2790	2020				
Water diverted						Acreage reported						Water diverted			Acreage reported	
3620 A. F.						D-926						10350 A. F.			D-844,1031	5522

REPORT OF THE STATE ENGINEER

CIRCLE ARROW DIVERSION
From Lodgepole Creek—1948

Day	May	June	July	Aug.	Sept.
1	0	1	4	0	0
2	0	1	4	0	0
3	0	1	4	0	0
4	0	1	4	0	0
5	0	1	3	0	1
6	0	2	3	0	1
7	0	2	3	0	1
8	0	2	3	0	1
9	1	3	3	0	1
10	1	3	2	0	1
11	1	3	1	0	1
12	1	3	2	0	1
13	1	3	2	0	1
14	1	3	0	0	1
15	1	3	5	0	1
16	1	2	5	0	1
17	1	2	5	0	1
18	1	2	5	0	1
19	1	2	5	0	1
20	1	2	3	0	1
21	1	2	3	0	1
22	1	2	0	0	1
23	1	3	0	0	1
24	1	3	0	0	2
25	1	3	0	0	2
26	1	3	0	0	1
27	1	3	0	0	1
28	1	3	0	0	1
29	1	3	0	0	2
30	1	4	0	0	2
31	1	2	2	0	1
Mean	1	4	2	0	2
Max.	1	4	5	0	2
Min.	0	1	0	0	0
A.F.	50	140	140	0	60

CODY-DILLON DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	7	32	14	16	9
2	13	26	20	15	9
3	16	26	19	14	10
4	14	22	24	12	8
5	11	22	26	6	8
6	12	23	24	3	12
7	19	21	28	2	10
8	19	18	29	9	9
9	24	18	29	10	9
10	24	13	15	8	5
11	23	14	12	18	4
12	25	22	9	20	3
13	26	20	9	21	7
14	22	20	7	4	16
15	17	21	10	7	26
16	14	20	13	2	12
17	13	18	13	0	7
18	6	17	14	1	6
19	10	13	14	2	10
20	27	14	15	0	1
21	30	15	12	9	3
22	37	14	8	22	5
23	37	16	14	24	3
24	33	16	18	22	4
25	27	16	27	29	1
26	26	15	38	39	1
27	25	8	43	33	0
28	31	10	46	19	2
29	34	11	22	14	5
30	40	7	22	9	8
31	37	..	19	10	7
Mean	22	18	20	13	7
Max.	40	32	46	39	26
Min.	6	7	7	0	0
A.F.	1370	1040	1220	790	430

Water diverted
390 A. F.

Acreage reported
D-346 220

Water diverted
4850 A. F.

Acreage reported
D-649 5030

COLUMBUS POWER DIVERSION NEAR GENOA
Diverted from Loup River—Sec. 6-16-4W—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1630	2358	2028	458	316	1257	2358	1690	1797	2281	2620	1023
2	1742	2138	2061	493	316	528	2105	1764	1775	1995	2392	960
3	1786	2106	1995	430	382	521	2116	1984	1640	1753	2090	904
4	1731	2017	280	688	346	800	1841	2182	1430	1700	2786	890
5	1680	2226	110	996	304	292	1775	2006	1340	1590	2572	872
6	1650	2560	451	1480	322	577	1929	1896	1340	1480	2303	888
7	1620	2452	598	1885	310	688	1929	2105	1320	1450	2050	904
8	1570	2314	130	1973	322	744	2017	2160	1302	1370	2149	969
9	1610	2182	118	1830	316	500	2182	1863	1490	1710	2500	1230
10	1600	2160	155	1540	322	106	2028	1742	1275	2171	2226	1440
11	1610	2050	245	1077	316	155	1929	2097	1131	1929	2347	1360
12	1620	2083	400	680	382	340	1951	2072	1410	1480	2659	1302
13	1610	2138	444	479	245	619	2006	1852	1460	1320	2909	1275
14	1640	2083	912	256	364	1390	1951	1650	1490	1295	2909	1239
15	1731	2259	1257	134	418	1720	1940	1450	1590	1302	2786	1212
16	1670	2193	1330	61	444	1680	1896	1420	1480	1230	2822	1140
17	1640	2160	1510	55	672	1764	1830	1380	2204	1203	2774	1077
18	1650	2116	1700	40	1212	1753	1775	1370	2762	1257	2711	1041
19	1742	2105	1731	46	1510	1775	1786	1293	2798	1742	2303	1041
20	1720	2193	1700	49	1311	1841	1808	1176	2548	2786	2083	1113
21	1680	2392	1670	49	1176	2028	1797	1113	2798	2314	1742	1158
22	1650	1700	1670	82	1014	2061	1918	1050	2380	1951	1650	1158
23	1640	122	1530	82	1032	2072	1896	1122	2870	1600	1540	1293
24	1690	49	1660	64	969	2292	1863	1194	2846	1320	1470	1370
25	1808	180	1797	134	920	2259	1819	1266	2922	1248	1430	1340
26	1830	1720	1808	134	960	2524	2116	1284	2380	1149	1340	1400
27	1808	2149	1973	122	1203	2750	2248	1340	1731	1059	1221	1590
28	1830	2215	2083	110	1540	2464	2039	1370	2584	978	1194	1610
29	1896	2006	2006	122	1510	2259	2171	1302	2834	2248	1203	1610
30	1874	2215	672	240	....	2149	1907	1420	2633	2608	1149	1510
31	2127	....	98	286	....	2281	....	1630	....	2896	1104	....
Mean	1712	1955	1165	518	705	1425	1964	1579	1985	1690	2124	1197
Max.	2127	2452	2083	1973	1540	2750	2358	2182	2922	2896	2909	1610
Min.	1570	49	98	40	245	106	1775	1050	1131	978	1104	880
A.F.	105290	116310	71650	31880	40570	87650	116880	97080	118140	103920	130620	71220

Water diverted 1091210 A. F.

COURT HOUSE ROCK DIVERSION
From Pumpkinseed Creek—1948

Day	May	June	July	Aug.	Sept.
1	0	13	3	11	10
2	0	12	0	12	11
3	0	12	0	13	11
4	0	13	0	12	10
5	0	14	0	12	10
6	0	16	0	12	10
7	0	17	0	12	11
8	0	16	0	11	12
9	0	15	0	11	12
10	0	14	0	10	13
11	0	13	6	9	12
12	0	11	15	9	12
13	0	10	15	8	12
14	0	10	16	8	12
15	0	11	16	7	12
16	0	10	15	7	12
17	0	9	15	2	12
18	0	9	15	0	12
19	8	10	15	0	12
20	16	10	15	0	12
21	15	9	15	8	12
22	16	9	15	14	12
23	14	10	14	12	13
24	15	11	14	12	12
25	16	10	14	12	12
26	14	12	14	12	12
27	14	10	12	11	12
28	14	12	12	11	12
29	14	12	11	10	12
30	13	10	10	10	12
31	5	12	9	9	12
Mean	16	17	16	14	13
Max.	0	9	0	0	10
Min.	340	700	550	570	700
A.F.	Water diverted		Acreage reported		
	2860 A. F.		D-840,1028 1469		

COZAD DIVERSION
From Platte River—1948

Day	May	June	July	Aug.	Sept.
1	10	11	0	68	117
2	11	11	28	63	162
3	14	9	20	54	136
4	15	10	21	44	111
5	15	12	15	45	141
6	36	21	35	42	126
7	66	23	44	57	61
8	60	23	45	40	110
9	28	63	43	52	80
10	21	60	37	80	52
11	46	58	31	107	54
12	72	53	42	114	25
13	61	34	71	79	24
14	61	35	107	83	24
15	82	40	96	76	25
16	91	42	105	88	26
17	74	43	99	129	31
18	127	31	89	111	41
19	99	69	98	135	54
20	121	57	117	135	42
21	141	83	141	151	27
22	143	56	167	144	18
23	24	0	168	142	21
24	1	0	191	143	0
25	57	0	182	181	0
26	53	14	205	202	0
27	91	7	220	186	0
28	84	5	232	131	0
29	90	2	141	162	0
30	129	0	34	146	0
31	54	66	153	50	162
Mean	64	29	93	108	50
Max.	143	83	232	202	162
Min.	1	0	0	40	0
A.F.	3920	1640	5730	6630	2990
	Water diverted		Acreage reported		
	20910 A. F.		D-626 25190		

CRESCENT LAKE
At Head of Blue Creek
Contents in Acre-feet—1948

Day	May	June	July	Aug.	Sept.
1
2
3
4
5
6
7
8	4730	.....	.....	.....
9
10
11
12
13
14
15	4420	4150
16
17
18
19
20
21
22
23
24
25
26	4400	.....	.....	.....	.....
27
28
29
30	3450
31	4000	.....
Mean
Max.
Min.
A.F.	5210	690	5600	3360	4460
	Water diverted		Acreage reported		
	29620 A. F.		D-24,25,29,30 9390		

CULBERTSON DIVERSION
From Frenchman River—1948

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	74	0	89	56	44	91	82
2	73	0	90	58	43	91	82
3	72	0	90	62	43	94	82
4	72	0	92	65	42	91	80
5	72	0	90	57	41	98	77
6	73	0	93	64	44	105	80
7	73	0	94	66	57	102	81
8	76	0	96	65	62	102	85
9	88	0	97	68	64	100	83
10	97	0	95	78	64	104	84
11	100	0	88	77	63	106	80
12	98	0	90	77	70	104	78
13	93	0	90	78	76	81	75
14	88	0	88	56	76	94	75
15	90	0	86	57	75	93	77
16	90	0	88	59	72	85	76
17	88	0	88	59	76	82	80
18	88	0	86	54	76	82	81
19	88	0	94	52	80	78	85
20	92	0	88	53	84	72	84
21	92	0	97	36	86	74	86
22	92	0	98	42	86	76	87
23	92	0	99	41	86	75	84
24	92	0	98	38	90	74	83
25	88	0	98	39	91	82	80
26	85	25	96	46	92	83	82
27	82	77	96	43	94	94	81
28	79	82	96	48	94	88	80
29	79	81	96	54	92	94	80
30	80	83	77	48	94	85	80
31	80	.....	58	.....	92	80	.....
Mean	85	70	91	56	72	89	81
Max.	100	83	99	78	94	106	87
Min.	72	0	58	36	41	72	75
A.F.	5210	690	5600	3360	4460	5470	4830
	Water diverted		Acreage reported				
	29620 A. F.		D-24,25,29,30 9390				

REPORT OF THE STATE ENGINEER

DAWSON COUNTY DIVERSION
From Platte River and Sutherland
Reservoir—1948

Day	May	June	July	Aug.	Sept.
1	0	241	65	203	295
2	0	221	112	160	275
3	0	247	107	124	183
4	0	241	101	151	171
5	0	219	98	128	139
6	83	191	111	116	156
7	96	186	170	202	151
8	85	202	249	228	150
9	72	163	275	210	144
10	53	230	261	241	139
11	56	251	249	304	118
12	65	307	181	335	118
13	5	283	208	343	128
14	16	230	245	317	126
15	64	184	255	321	127
16	72	145	279	321	122
17	87	128	291	245	124
18	85	115	283	307	127
19	96	127	223	325	111
20	112	208	203	333	108
21	168	343	257	329	111
22	205	120	267	341	103
23	275	35	321	333	105
24	337	24	353	335	116
25	300	18	339	307	96
26	319	18	329	289	108
27	267	25	415	411	105
28	215	21	471	403	111
29	219	18	383	401	108
30	317	15	293	365	108
31	293		208	331	
Mean	128	159	245	283	136
Max.	337	343	471	411	295
Min.	0	15	65	116	96
A.F.	7860	9430	15080	17370	8100

Water diverted	Acreage reported
57840 A. F.	D-621 500
	D-622 66805
	D-624 5520
	A-2039 5128
	A-2093 213
	A-2110 18306
	A-2145 985
	A-2262 890
	Total 98347

ELM CREEK DIVERSION
From Platte River and Sutherland
Reservoir—1948

Day	May	June	July	Aug.	Sept.
1	0	21	6	47	58
2	0	44	6	51	45
3	0	40	9	63	21
4	15	47	17	46	26
5	15	38	29	46	24
6	0	29	43	49	17
7	5	30	48	50	18
8	10	44	43	44	19
9	5	31	38	38	19
10	9	31	34	34	20
11	20	32	36	36	22
12	20	29	46	35	23
13	12	27	55	40	22
14	21	28	54	43	22
15	23	28	86	44	23
16	13	28	36	42	23
17	16	25	48	46	23
18	32	26	70	46	24
19	31	24	89	48	24
20	30	23	85	66	23
21	26	23	84	53	23
22	22	21	92	44	23
23	14	18	56	44	23
24	12	12	64	53	19
25	16	9	73	44	18
26	13	3	78	33	19
27	12	10	81	42	10
28	12	10	70	66	21
29	11	10	69	62	19
30	11	6	12	53	19
31	12		32	78	
Mean	14	25	51	48	23
Max.	32	47	92	78	58
Min.	0	3	6	33	10
A.F.	860	1480	3150	2950	1370

Water diverted	Acreage reported
9810 A. F.	A-2093R 68
	A-2104 15733
	Total 15801

EMPIRE DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	0	8	8	6
2	0	0	8	8	6
3	0	0	8	8	6
4	0	0	8	8	6
5	0	0	8	8	6
6	0	0	8	8	6
7	0	0	8	8	6
8	0	0	8	8	5
9	0	0	8	8	5
10	0	0	8	8	5
11	0	0	8	8	5
12	0	0	8	7	5
13	0	0	8	7	5
14	0	0	8	7	5
15	0	0	8	7	5
16	0	0	8	7	5
17	0	0	8	7	5
18	0	0	8	7	5
19	0	0	8	7	5
20	0	0	8	7	5
21	0	0	8	7	5
22	0	0	8	7	5
23	0	0	8	7	5
24	0	0	8	7	5
25	0	0	8	6	5
26	0	0	8	6	5
27	0	0	8	6	5
28	0	8	8	6	5
29	0	8	8	6	5
30	0	8	8	6	5
31	0	-	8	6	
Mean	0	1	8	7	5
Max.	0	8	8	8	6
Min.	0	0	8	6	5
A.F.	0	50	490	440	310

Water diverted	Acreage reported
1290 A. F.	D-858 1549
	A-866 75
	Total 1624

BUREAU OF IRRIGATION

ENTERPRISE DIVERSION
From North Platte River
Sec. 27-33-57-1948

Day	May	June	July	Aug.	Sept.
1	43	30	49	49	61
2	44	36	49	49	60
3	47	44	50	51	60
4	45	33	56	49	55
5	44	27	67	48	56
6	44	30	72	47	56
7	42	42	64	44	55
8	40	47	68	44	54
9	41	44	64	49	50
10	40	45	56	51	49
11	40	52	60	48	55
12	42	50	59	48	61
13	48	51	59	51	61
14	59	52	39	54	60
15	58	52	0	54	58
16	59	52	5	55	57
17	59	7	18	56	48
18	58	0	34	57	43
19	59	1	41	57	43
20	61	1	43	57	38
21	63	0	45	57	33
22	57	0	45	63	31
23	54	0	44	65	20
24	44	0	46	65	20
25	49	4	49	66	20
26	51	15	47	64	13
27	51	25	46	64	16
28	36	31	45	66	18
29	30	30	47	64	16
30	30	42	48	63	16
31	28	..	48	61	..
Mean	47	28	47	55	43
Max.	63	54	72	66	61
Min.	28	0	0	44	13
A.F.	2910	1680	2900	3410	2550

Water diverted 13450 A. F.

ENTERPRISE DIVERSION
From Wet Spotted Tail Creek
Sec. 22-23-56-1948

Day	May	June	July	Aug.	Sept.
1	7	8	10	12	16
2	7	8	10	12	16
3	7	8	10	12	16
4	7	8	10	12	16
5	7	8	10	12	16
6	7	8	10	12	16
7	7	8	10	13	16
8	7	8	10	13	16
9	6	8	10	13	16
10	6	9	10	14	16
11	6	9	10	14	16
12	6	9	10	14	16
13	6	10	10	14	16
14	6	10	10	13	16
15	5	10	10	13	16
16	5	10	10	13	16
17	5	10	10	12	16
18	5	10	10	12	16
19	5	10	10	13	16
20	6	10	10	13	16
21	6	10	10	14	16
22	7	10	10	14	16
23	7	10	10	15	16
24	7	10	10	15	16
25	8	10	10	16	16
26	8	10	10	16	16
27	8	10	11	16	16
28	8	10	11	16	16
29	8	10	11	16	16
30	8	10	11	16	16
31	8	..	11	16	..
Mean	7	9	10	14	16
Max.	8	10	11	16	16
Min.	5	8	10	12	16
A.F.	410	550	630	840	950

Water diverted 3380 A. F.

ENTERPRISE DIVERSION
From Morrill Drain—Sec. 14-23-57—1948

Day	May	June	July	Aug.	Sept.
1	1	1	4	4	4
2	1	1	4	4	4
3	1	1	4	4	4
4	1	1	3	4	4
5	1	1	3	4	4
6	1	1	2	4	4
7	1	1	2	4	4
8	1	1	2	4	4
9	1	1	2	3	4
10	1	1	2	3	4
11	1	1	2	3	4
12	1	1	2	3	4
13	1	2	2	3	4
14	1	2	2	3	4
15	1	3	2	3	4
16	1	3	2	3	4
17	1	4	2	3	4
18	1	4	2	3	4
19	1	5	2	3	4
20	1	5	2	3	4
21	1	6	2	3	4
22	1	6	2	3	4
23	1	7	2	3	4
24	1	7	2	3	4
25	1	7	3	4	4
26	1	6	3	4	4
27	1	6	3	4	4
28	1	6	3	4	4
29	1	5	3	4	4
30	1	5	3	4	4
31	1	..	4	4	..
Mean	1	3	3	3	4
Max.	1	7	4	4	4
Min.	1	1	2	3	4
A.F.	60	200	150	210	240

Water diverted 860 A. F.

ENTERPRISE DIVERSION
From Stewart Drain—Sec. 13-23-57-1948

Day	May	June	July	Aug.	Sept.
1	0	0	1	0	1
2	0	0	1	0	1
3	0	0	1	0	1
4	0	0	1	0	1
5	0	0	1	0	1
6	0	0	1	0	1
7	0	0	1	0	1
8	0	0	1	0	1
9	0	0	1	0	1
10	0	0	1	1	1
11	0	0	1	1	1
12	0	0	1	1	0
13	0	0	1	1	0
14	0	0	1	1	0
15	0	0	1	1	0
16	0	0	1	1	0
17	0	0	1	1	0
18	0	1	1	1	0
19	0	1	1	1	0
20	0	1	1	1	0
21	0	1	1	1	0
22	0	1	1	1	0
23	0	1	1	2	0
24	0	1	1	2	0
25	0	1	1	2	0
26	0	1	1	2	0
27	0	1	1	2	0
28	0	1	0	2	0
29	0	1	0	2	0
30	0	1	0	1	0
31	0	..	0	1	..
Mean	0	1	1	1	1
Max.	0	1	1	2	1
Min.	0	0	0	0	0
A.F.	0	30	50	60	20

Water diverted 160 A. F.

REPORT OF THE STATE ENGINEER

ENTERPRISE DIVERSION					
From Tub Springs—Sec. 32-23-55—1948					
Day	May	June	July	Aug.	Sept.
1	23	0	0	20	29
2	23	0	0	24	26
3	22	0	0	14	28
4	22	0	0	7	32
5	19	0	0	11	29
6	6	0	0	0	26
7	22	0	20	0	0
8	30	10	27	8	0
9	26	14	19	11	0
10	14	33	33	5	0
11	17	25	37	12	0
12	19	30	38	22	0
13	22	28	35	25	0
14	21	11	0	26	0
15	21	0	0	30	0
16	20	0	0	36	0
17	19	0	0	37	0
18	18	0	0	36	0
19	19	0	0	36	0
20	21	0	0	37	0
21	22	0	5	37	26
22	23	0	1	37	5
23	25	0	10	38	0
24	0	0	26	38	0
25	0	0	17	39	0
26	0	0	13	39	0
27	0	0	32	38	0
28	0	0	29	34	0
29	0	0	30	33	0
30	0	0	32	36	0
31	0	.	33	34	.
Mean	15	5	14	26	7
Max.	30	33	38	39	32
Min.	0	0	0	0	0
A.F.	940	300	870	1590	400

Water diverted 4100 A. F.

ENTERPRISE DIVERSION
Summary in Acre-feet—1948

Diverted from:	May	June	July	Aug.	Sept.	Total
North Platte River.....	2910	1680	2900	3410	2550	13450
Wet Spotted Tail.....	410	550	630	840	950	3380
Morrill Drain.....	60	200	150	210	240	860
Stewarts Drain.....	0	30	50	60	20	160
Tub Springs.....	940	300	870	1590	400	4100
Totals.....	4320	2760	4600	6110	4160	21950
Natural flow diverted.....	21450 A. F.					
Storage flow diverted.....	500		Acreage reported			
			D-920 7266			
Total diverted.....	21950 A. F.					

BUREAU OF IRRIGATION

659

FT. LARAMIE DIVERSION
IN WYOMING

North Platte River and Pathfinder
Reservoir—Sec. 11-26-65—1948

Day	May	June	July	Aug.	Sept.
1	0	983	597	1430	1440
2	0	916	653	1380	1440
3	0	959	683	1300	1440
4	0	938	682	1280	1450
5	0	928	683	1280	1450
6	0	940	821	1220	1440
7	0	1008	1012	1180	1360
8	0	1057	1056	1180	1316
9	0	1088	1106	1180	1274
10	55	1099	1227	1270	1265
11	323	1096	1400	1320	1169
12	328	1086	1420	1360	1092
13	375	1093	1420	1440	1050
14	379	1108	1420	1440	1060
15	226	1080	1230	1430	1060
16	180	1038	1230	1430	1059
17	311	799	1230	1440	1070
18	554	731	1230	1440	1067
19	750	815	1240	1440	1080
20	921	817	1240	1440	1040
21	1041	830	1320	1440	950
22	1141	735	1430	1440	910
23	1170	446	1430	1440	772
24	1157	48	1430	1440	563
25	991	0	1430	1450	485
26	1057	0	1430	1440	429
27	1190	0	1430	1450	132
28	1104	0	1430	1440	0
29	1015	85	1430	1440	0
30	1116	346	1430	1440	0
31	1018	...	1430	1450	...
Mean	528	736	1200	1379	962
Max.	1190	1108	1430	1450	1450
Min.	0	0	597	1180	0
A.F.	32490	43790	73790	84790	57250

Water diverted for irrigation 292110 A. F.
Acreage reported A-768 Nebr. 54797 A-768 Wyo. 50210
Total 105007

FRENCH DIVERSION
From North Platte River
Sec. 4-23-60—1948

Day	May	June	July	Aug.	Sept.
1	0	19	7	10	21
2	0	19	11	11	21
3	0	25	7	11	21
4	0	23	7	11	21
5	0	23	7	11	21
6	0	21	8	8	19
7	0	24	11	8	22
8	0	24	27	7	22
9	0	17	27	13	8
10	0	15	27	15	8
11	0	24	27	16	6
12	0	24	27	17	6
13	0	20	24	20	6
14	0	21	20	22	10
15	0	21	19	22	11
16	0	22	19	22	12
17	0	14	20	23	12
18	0	15	21	27	12
19	0	13	15	25	14
20	0	11	16	25	17
21	0	11	22	20	17
22	0	11	23	22	8
23	2	7	27	20	5
24	25	5	28	20	0
25	23	11	0	22	0
26	21	7	0	22	0
27	21	7	0	20	0
28	20	8	0	22	0
29	17	8	15	22	0
30	13	8	19	22	0
31	11	...	28	22	...
Mean	5	16	16	18	11
Max.	25	25	28	27	22
Min.	0	5	0	7	0
A.F.	300	950	1010	1110	630

Water diverted 4000 A. F.
Acreage reported A-1149 770 A-1433 213 A-1581 32
Total 1015

GERING DIVERSION
From North Platte River and Pathfinder
Reservoir—Sec. 4-23-58—1948

Day	May	June	July	Aug.	Sept.
1	0	51	52	174	127
2	0	51	67	171	128
3	0	50	72	185	129
4	0	49	67	173	126
5	0	50	67	172	123
6	0	49	66	173	123
7	0	49	68	171	124
8	0	45	76	169	219
9	0	47	129	169	160
10	0	51	144	172	157
11	0	54	140	177	100
12	0	93	136	177	57
13	0	94	137	174	50
14	0	95	94	174	79
15	0	96	19	186	99
16	0	69	10	172	98
17	0	9	10	174	97
18	0	40	114	193	99
19	0	57	149	201	97
20	0	53	156	199	102
21	0	52	151	200	99
22	0	47	151	201	100
23	0	60	151	200	100
24	0	60	149	201	87
25	0	56	101	201	61
26	0	54	139	203	63
27	16	51	148	187	64
28	22	49	152	120	63
29	42	49	171	119	62
30	48	47	174	120	64
31	51	...	175	124	...
Mean	6	56	111	175	102
Max.	51	96	175	203	219
Min.	0	9	10	119	50
A.F.	350	3330	6810	10770	6060

Water diverted 27320 A. F.
Acreage reported A-365 14273

REPORT OF THE STATE ENGINEER

GOTHENBURG DIVERSION
From Platte River for Power and Irrigation—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	68	150	30	120	69	99	156	270	88	234	274
2	78	92	150	140	120	77	112	182	270	85	240	240
3	57	103	137	150	130	81	95	159	274	93	232	261
4	93	112	10	154	150	53	100	130	262	124	222	264
5	80	105	17	170	150	0	54	121	250	144	196	272
6	80	98	40	171	140	77	121	178	253	205	184	259
7	73	114	60	177	150	88	119	218	240	211	177	282
8	69	146	70	174	150	7	73	200	258	200	160	282
9	68	110	130	165	160	81	58	154	274	211	218	269
10	103	112	130	172	140	47	54	184	288	194	272	291
11	110	126	150	172	110	71	51	228	277	204	269	232
12	114	117	140	100	170	38	44	212	226	184	275	214
13	116	120	150	50	150	52	53	206	229	184	275	232
14	116	117	150	40	160	130	46	250	220	186	282	245
15	92	113	130	40	160	150	42	248	214	217	274	246
16	99	116	160	50	180	156	73	256	200	254	228	238
17	98	159	160	90	200	88	91	275	64	248	258	217
18	98	166	178	150	160	82	130	282	204	253	248	208
19	92	156	176	120	130	89	96	318	251	280	270	204
20	91	131	174	110	30	106	142	336	254	285	274	204
21	93	109	174	120	0	84	165	333	204	291	282	138
22	91	152	168	180	40	140	170	344	148	294	288	178
23	86	170	150	140	60	131	114	310	141	303	285	228
24	92	142	166	130	70	146	109	320	120	310	286	177
25	96	141	160	130	160	84	133	333	128	320	293	206
26	107	116	165	120	124	112	127	335	131	343	296	199
27	110	116	160	90	126	105	133	330	144	367	291	192
28	100	153	156	100	124	110	127	333	138	387	286	188
29	93	158	152	80	106	49	144	304	123	277	301	189
30	80	140	146	110	...	93	120	283	109	290	270	191
31	66	...	20	100	...	91	...	274	...	259	264	...
Mean	91	126	132	120	126	87	97	251	206	234	256	227
Max.	116	170	178	180	200	156	170	344	288	367	301	282
Min.	57	68	10	30	0	0	42	121	64	85	160	138
A.F.	5570	7490	8090	7390	7280	5330	5940	15460	12270	14420	15730	13530

Water diverted 118500 A.F.

GOTHENBURG POWER RETURN
To Platte River—Sec. 9-11-25—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	37	134	20	122	90	89	102	150	69	137	122
2	8	66	132	132	141	23	90	139	140	64	122	110
3	6	65	133	148	127	71	87	168	166	31	148	111
4	16	85	112	137	123	11	86	142	173	34	149	103
5	10	93	93	143	139	2	68	55	160	18	145	108
6	10	83	10	145	138	6	55	83	158	124	121	119
7	3	62	10	151	144	5	116	166	153	142	100	91
8	4	126	14	157	111	45	96	144	149	152	73	87
9	2	87	74	152	107	106	37	86	146	141	75	86
10	2	114	127	148	120	70	38	91	146	136	123	112
11	3	100	97	148	120	6	60	132	148	72	138	140
12	5	98	120	101	113	9	33	132	137	86	142	130
13	5	101	141	33	96	78	29	110	124	86	139	117
14	5	103	127	52	121	102	29	114	90	92	146	94
15	5	103	139	77	120	74	31	124	89	86	153	97
16	8	115	141	85	178	111	40	124	71	92	137	96
17	9	128	125	84	183	126	65	128	48	94	147	89
18	9	141	140	140	148	52	97	116	20	87	102	85
19	9	153	149	109	116	117	101	104	114	102	145	75
20	9	148	148	98	28	130	76	128	121	104	114	67
21	9	62	146	107	7	110	145	148	128	108	135	25
22	10	16	153	109	12	106	165	158	86	108	191	11
23	10	96	140	150	34	110	119	154	75	120	132	43
24	10	93	139	130	25	112	86	129	112	106	125	34
25	20	135	158	120	102	94	94	148	74	105	112	27
26	20	111	153	115	140	46	115	153	95	106	136	46
27	20	122	139	81	109	72	128	158	110	120	140	20
28	25	135	140	90	70	84	94	166	98	112	122	72
29	25	137	153	64	36	67	106	169	104	134	119	64
30	25	134	102	94	...	45	104	156	84	148	115	62
31	26	...	4	89	...	82	...	150	...	152	123	...
Mean	11	102	115	110	104	70	83	132	116	101	127	81
Max.	26	153	158	157	193	130	165	169	173	152	148	140
Min.	2	16	0	20	7	2	29	55	20	18	73	11
A.F.	680	6050	7070	6760	6010	4290	4920	8090	6880	6210	7810	4850

Water returned 69620 A.F.

BUREAU OF IRRIGATION

GOTHENBURG IRRIGATION DIVERSION							
From Platte River—Sec. 19-12-26—1948							
Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	50	26	0	101	10	80	137
2	65	18	0	112	13	103	116
3	47	30	0	88	57	65	136
4	72	16	0	88	85	54	148
5	65	0	59	70	121	33	150
6	65	0	85	75	65	48	125
7	67	0	32	68	51	64	180
8	61	0	38	90	29	78	184
9	84	0	57	110	52	134	172
10	99	0	82	124	41	133	165
11	104	0	80	110	123	113	74
12	104	0	84	72	87	115	68
13	106	0	82	89	87	118	101
14	106	0	122	119	83	118	139
15	82	0	108	114	120	102	137
16	86	0	116	120	151	74	130
17	84	0	131	10	142	93	117
18	84	0	152	179	155	133	112
19	78	0	201	123	165	107	120
20	77	0	192	118	168	146	129
21	79	0	166	60	169	130	108
22	76	0	166	51	172	152	162
23	71	0	137	57	168	137	180
24	77	0	175	0	191	145	138
25	71	0	166	45	202	167	174
26	82	0	163	24	224	143	148
27	85	0	152	20	232	133	167
28	70	0	147	27	241	149	107
29	63	0	115	6	126	167	117
30	50	0	108	14	123	141	121
31	35		105		88	126	
Mean	75	3	103	76	121	113	135
Max.	106	30	201	124	241	167	184
Min.	47	0	0	0	10	33	68
A.F.	4610	180	6350	4530	7420	6940	8060
Water diverted							
38090	A. F.						
					Acreage reported		
					D-645a 820		
					D-645b 17000		
					A-3716 4585		
					Total 22405		

GRAF DIVERSION							
From Blue Creek and Crescent Lake—A-1575—1948							
Day	Oct.	May	June	July	Aug.	Sept.	
1	20	0	22	8	21	11	11
2	19	0	27	12	24	10	20
3	19	0	25	12	19	22	12
4	19	0	28	11	24	22	22
5	19	0	26	14	23	19	19
6	20	0	25	15	23	17	18
7	22	28	23	12	20	18	18
8	21	20	18	1	20	19	19
9	20	18	13	0	22	20	20
10	20	19	19	0	22	20	20
11	20	18	23	1	22	22	22
12	21	18	23	0	25	22	22
13	21	18	22	0	25	22	22
14	19	15	22	0	24	20	20
15	0	17	24	0	20	20	20
16	0	18	25	0	21	20	20
17	0	15	8	0	22	17	17
18	0	13	3	0	18	5	5
19	0	12	11	0	25	10	10
20	0	14	13	0	24	11	11
21	0	21	7	0	23	12	12
22	0	26	2	0	22	12	12
23	0	25	6	5	21	17	17
24	0	18	10	4	22	13	13
25	0	18	15	4	21	15	15
26	0	18	9	5	23	17	17
27	0	22	9	7	23	17	17
28	0	29	16	14	22	16	16
29	0	30	13	18	23	1	1
30	0	30	11	22	23	0	0
31	0	25	17	6	22	16	16
Mean	9	16	17	6	22	20	20
Max.	22	30	28	22	25	22	22
Min.	0	0	0	0	11	0	0
A.F.	560	100	100	370	130	930	930
Water diverted							
2190	A. F.						
					Acreage reported		
					D-785 1989		
					D-781R 15		
					D-763R 85		
					Total 2089		

HOOPER DIVERSION							
From Blue Creek—1948							
Day	Oct.	May	June	July	Aug.	Sept.	
1	13	14	12	5	13	12	12
2	13	14	13	8	12	12	12
3	13	12	11	8	14	13	13
4	13	14	10	8	14	13	13
5	13	12	12	8	11	12	12
6	12	14	11	10	8	11	11
7	13	14	11	10	3	12	12
8	13	14	11	1	5	12	12
9	13	12	12	1	8	12	12
10	13	14	12	3	11	12	12
11	14	13	12	3	12	11	11
12	8	11	13	5	12	11	11
13	0	11	15	4	12	11	11
14	0	10	15	7	12	11	11
15	0	13	13	13	13	11	11
16	0	11	8	12	13	11	11
17	0	11	10	12	13	10	10
18	0	11	9	13	13	10	10
19	0	12	9	13	15	10	10
20	0	12	11	12	15	10	10
21	0	10	10	11	15	10	10
22	0	10	6	10	14	10	10
23	0	11	3	11	15	4	4
24	0	10	3	10	15	4	4
25	0	9	1	8	15	5	5
26	0	10	1	10	15	4	4
27	0	11	4	13	16	4	4
28	0	12	8	9	15	6	6
29	0	12	3	2	13	6	6
30	0	12	2	10	12	6	6
31	0	12		12	12		
Mean	5	12	9	9	13	9	9
Max.	14	14	15	13	16	13	13
Min.	0	9	1	1	3	4	4
A.F.	300	730	540	520	770	570	570
Water diverted							
3430	A. F.						
					Acreage reported		
					D-781 858		
					D-788R 19		
					Total 877		

HURLY-LILLY-POLLY DIVERSION							
From Lodgepole Creek—1948							
Day	May	June	July	Aug.	Sept.		
1	0	3	0	0	1	1	1
2	0	2	0	0	0	0	0
3	0	2	1	0	0	0	0
4	0	1	1	8	0	0	0
5	0	0	1	0	0	0	0
6	0	1	1	1	0	0	0
7	0	1	1	4	0	0	0
8	0	2	5	0	0	0	0
9	10	2	3	0	0	0	0
10	10	2	3	0	0	0	0
11	10	3	4	0	0	0	0
12	10	3	5	0	0	0	0
13	3	3	5	0	0	0	0
14	2	3	0	0	0	0	0
15	2	3	0	0	0	0	0
16	2	3	0	0	0	0	0
17	4	3	0	0	0	0	0
18	4	3	0	0	0	0	0
19	3	3	0	0	0	0	0
20	3	3	0	0	0	0	0
21	2	3	0	0	0	0	0
22	2	3	0	0	0	0	0
23	3	3	0	0	0	0	0
24	2	5	0	0	3	5	5
25	2	2	0	0	0	0	0
26	1	2	0	0	2	2	2
27	1	3	0	0	2	2	2
28	1	2	5	2	2	2	2
29	2	2	5	2	2	2	2
30	3	0	5	1	1	1	1
31	4	0	4	1	1	1	1
Mean	3	2	2	1	1	2	2
Max.	10	5	8	5	5	5	5
Min.	0	0	0	0	0	0	0
A.F.	170	140	140	40	130	130	130
Water diverted							
620	A. F.						
					Acreage reported		
					D-354 180		

REPORT OF THE STATE ENGINEER

INTERSTATE DIVERSION IN WYOMING
North Platte River—Sec. 11-28-65—1948

Day	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	910	951	1180	1180	2080	2060
2	0	976	954	1050	1440	2080	2040
3	0	979	945	963	1650	2070	2040
4	0	979	930	975	1680	2020	2040
5	0	982	942	1100	1850	1970	2020
6	0	997	942	1210	1970	1920	1940
7	0	997	942	1290	2040	1720	1850
8	0	1030	936	1400	2070	1710	1670
9	0	1040	933	1540	2070	1710	1580
10	0	1040	936	1730	2070	1760	1520
11	0	1040	1000	1750	2070	1910	1470
12	0	1040	1080	1790	2070	2050	1470
13	0	1040	1090	1800	2060	2090	1430
14	0	1050	1100	1820	2020	2090	1420
15	0	1050	1050	1850	1800	2080	1410
16	0	1060	1050	1850	1690	2080	1400
17	0	1050	1080	1770	1690	2080	1400
18	0	1060	1240	1620	1690	2090	1410
19	0	1050	1310	1400	1740	2090	1420
20	0	1060	1460	1210	1810	2080	1440
21	0	1060	1560	1200	1960	2050	1360
22	0	1050	1570	1120	2050	2090	1260
23	0	1050	1580	994	2060	2090	1090
24	0	1050	1540	1010	2070	2090	985
25	0	1050	1440	1010	2060	2080	851
26	0	1050	1440	1000	2060	2080	838
27	0	1050	1440	1000	2070	2080	756
28	352	951	1410	1010	2090	2080	568
29	570	948	1310	1000	2090	2080	125
30	727	945	1310	1010	2090	2080	0
31	862	...	1200	...	2090	2060	...
Mean	81	1020	1180	1330	1920	2020	1360
Max.	862	1060	1580	1850	2090	2090	2060
Min.	0	910	930	963	1180	1710	0
A. F.	4980	60760	72740	78610	117720	124110	81050

Water diverted
539970 A. F.

Acreage reported
A-768 Nebr. 95339
A-768 Wyo. 16100

Total 111439

KEARNEY DIVERSION
From Platte River—Sec. 3-8-18 W.—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	24	0	0	0	0	0	250	166	226	354	348
2	20	26	0	0	0	0	0	252	181	280	255	288
3	17	28	0	0	0	0	0	243	163	302	274	252
4	14	28	0	0	0	0	0	274	248	327	326	294
5	10	26	0	0	0	0	0	269	241	206	304	335
6	10	36	0	0	0	0	0	274	120	144	344	188
7	9	47	0	0	0	0	0	269	76	290	303	142
8	13	34	0	0	0	0	0	262	208	306	307	240
9	22	38	0	0	0	0	0	218	264	280	289	254
10	28	48	0	0	0	0	0	246	260	222	312	310
11	28	45	0	0	0	0	0	307	196	252	327	351
12	38	40	0	0	0	0	0	302	247	289	316	387
13	48	26	0	0	0	0	0	272	183	323	355	254
14	52	32	0	0	0	0	0	271	200	262	333	76
15	45	28	0	0	0	0	0	286	231	174	319	344
16	34	16	0	0	0	0	1	294	206	152	310	315
17	55	13	0	0	0	0	21	196	151	202	317	300
18	41	14	0	0	0	0	21	278	151	173	300	314
19	40	13	0	0	0	0	58	293	110	148	254	324
20	43	13	0	0	0	0	96	297	178	161	236	304
21	46	16	0	0	0	0	126	242	231	115	251	299
22	22	5	0	0	0	0	146	258	225	121	217	280
23	17	0	0	0	0	0	186	252	290	129	149	291
24	18	0	0	0	0	0	186	152	234	97	265	341
25	17	0	0	0	0	0	216	324	269	107	250	256
26	17	0	0	0	0	0	226	328	222	118	186	173
27	16	0	0	0	0	0	243	323	259	163	250	203
28	15	0	0	0	0	0	248	289	276	129	190	166
29	16	0	0	0	0	0	247	268	308	326	163	243
30	19	0	0	0	0	0	252	272	235	311	149	340
31	22	0	0	0	0	0	...	189	...	358	354	...
Mean	26	20	0	0	0	0	75	266	211	216	276	274
Max.	55	48	0	0	0	0	252	328	308	358	355	387
Min.	9	0	0	0	0	0	0	152	76	97	149	76
A. F.	1620	1180	0	0	0	0	4450	16360	12550	13280	16980	16290

Water diverted 82710 A. F.

Acreage reported
D-1023 4250
D-1023 Power
A-1577 Power

BUREAU OF IRRIGATION

663

KEARNEY POWER RETURN
To Platte River—Sec. 36-9-16—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	9	0	0	0	0	0	220	136	199	303	298
2	16	14	0	0	0	0	0	220	147	241	247	255
3	17	25	0	0	0	0	0	214	147	250	238	244
4	17	33	0	0	0	0	0	236	181	260	250	242
5	16	18	0	0	0	0	0	233	203	160	245	241
6	14	20	0	0	0	0	0	236	130	120	269	239
7	4	23	0	0	0	0	0	238	150	250	280	237
8	4	29	0	0	0	0	0	228	200	260	273	236
9	5	35	0	0	0	0	0	211	285	241	244	234
10	12	44	0	0	0	0	0	216	236	196	257	232
11	21	43	0	0	0	0	0	221	185	209	247	230
12	32	43	0	0	0	0	0	226	227	228	260	229
13	55	27	0	0	0	0	0	233	176	302	268	227
14	46	30	0	0	0	0	0	232	163	238	273	49
15	37	19	0	0	0	0	0	244	195	148	253	250
16	23	13	0	0	0	0	0	213	199	83	253	271
17	39	11	0	0	0	0	0	150	143	83	263	271
18	46	2	0	0	0	0	0	207	143	70	257	268
19	41	0	0	0	0	0	0	234	103	65	209	291
20	38	0	0	0	0	0	0	245	130	70	162	265
21	33	0	0	0	0	0	0	67	236	234	50	192
22	14	0	0	0	0	0	138	240	214	86	186	249
23	3	0	0	0	0	0	211	244	283	74	78	249
24	0	0	0	0	0	0	190	248	220	47	160	319
25	0	0	0	0	0	0	193	252	223	45	188	238
26	0	0	0	0	0	0	189	256	247	58	145	164
27	0	0	0	0	0	0	214	263	216	80	200	171
28	2	0	0	0	0	0	221	253	258	67	131	185
29	2	0	0	0	0	0	210	217	278	174	125	199
30	3	0	0	0	0	0	220	217	230	269	120	276
31	4	0	0	0	0	0	...	176	...	295	...	...
Mean	18	15	0	0	0	0	62	228	196	159	222	237
Max.	55	44	0	0	0	0	221	263	285	302	310	319
Min.	0	0	0	0	0	0	0	176	103	45	78	49
A.F.	1130	870	0	0	0	0	3680	14000	11670	9750	13660	14130

Water diverted 68890 A. F.

KEITH-LINCOLN COUNTY DIVERSION
From North Platte River—1948

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	63	0	95	72	76	80	86
2	46	0	75	72	79	80	85
3	66	0	75	72	92	80	85
4	74	0	73	71	93	75	87
5	73	0	62	69	73	84	80
6	73	0	71	66	83	88	52
7	72	0	81	70	52	87	79
8	72	0	80	76	23	82	81
9	67	0	81	82	57	95	77
10	64	0	80	81	51	98	82
11	62	0	85	84	60	84	64
12	64	0	76	64	58	86	66
13	59	0	72	64	61	81	77
14	56	0	80	62	64	86	75
15	58	0	89	63	49	75	76
16	18	0	93	66	62	89	77
17	0	0	90	77	57	92	88
18	0	0	97	77	60	90	73
19	0	0	116	77	65	94	46
20	0	0	102	79	75	92	83
21	0	0	50	78	85	90	73
22	0	0	60	61	87	89	61
23	0	0	82	58	88	90	39
24	0	0	80	55	87	92	43
25	0	0	92	61	92	92	63
26	0	0	86	53	79	75	26
27	0	0	82	59	85	65	16
28	0	42	84	63	82	72	63
29	0	73	78	63	76	72	89
30	0	72	74	67	75	74	81
31	0	...	50	...	78	75	...
Mean	32	6	80	69	71	84	69
Max.	74	73	116	84	93	98	89
Min.	0	0	50	53	23	65	16
A.F. 1960	370	4940	4090	4370	5160	4110	

Water diverted 25000 A. F. Acreage reported D-722 5922

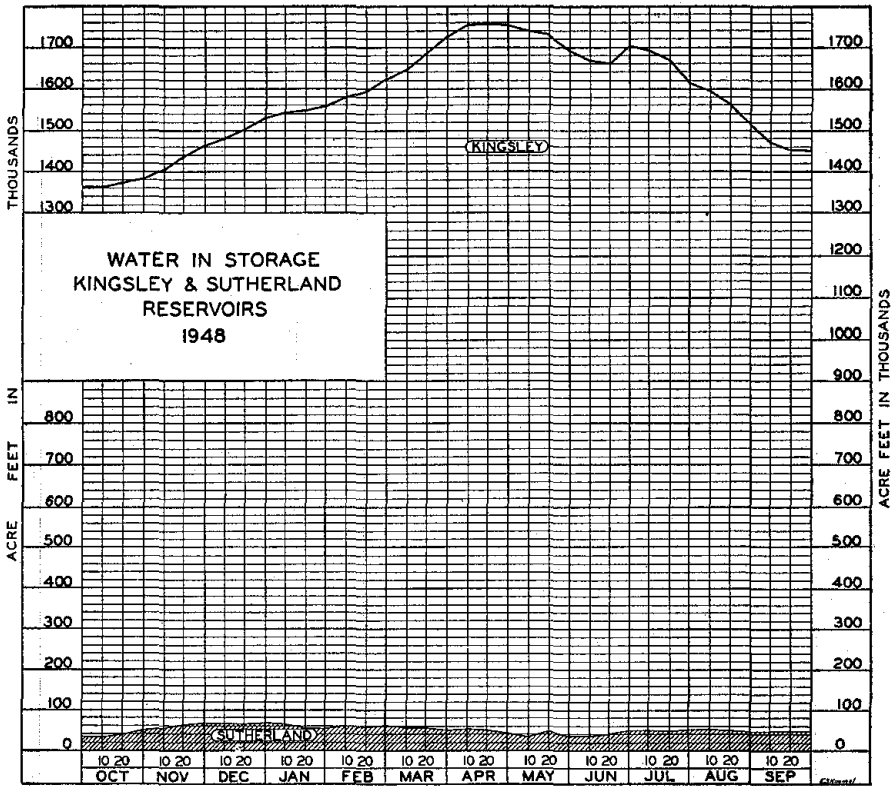
KIMBALL DIVERSION
From Lodgepole Creek and Oliver Reservoir—1948

Day	May	June	July	Aug.	Sept.
1	0	1	6	38	37
2	0	1	6	37	34
3	0	1	0	15	34
4	1	1	0	15	34
5	1	1	0	16	34
6	1	1	0	16	35
7	1	1	0	16	35
8	1	1	0	16	34
9	1	1	33	16	25
10	1	1	29	31	25
11	1	10	41	31	25
12	1	10	41	31	23
13	1	10	41	31	25
14	1	10	0	39	25
15	1	10	0	39	25
16	1	10	0	39	24
17	1	10	0	36	25
18	1	10	0	37	25
19	1	10	0	40	14
20	1	10	0	38	13
21	1	16	0	39	0
22	1	10	15	39	0
23	1	4	15	39	0
24	1	4	15	40	0
25	1	4	15	41	0
26	1	4	34	42	0
27	1	5	38	43	0
28	1	4	39	41	0
29	0	4	39	39	0
30	0	4	41	39	0
31	1	-	41	38	...
Mean	1	6	16	33	18
Max.	1	16	41	43	37
Min.	0	1	0	15	0
A.F.	50	340	970	2020	1090

Water diverted 4250 A. F. Acreage reported A-897 4499

KINGSLEY STORAGE RESERVOIR
Storage in Acre-feet—Sec. 3-14-38—1948

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	1332000	1344500	1398000	1461100	1509400	1567400	1678800	1711000	1652700	1655600	1559000	1463800
2	1329500	1344500	1400600	1461100	1509400	1570200	1681700	1711000	1649800	1655600	1556200	1458400
3	1329500	1347000	1400600	1461100	1512100	1573000	1684600	1711000	1646900	1655600	1553400	1455800
4	1329500	1347000	1403200	1463800	1512100	1575000	1684600	1711000	1646900	1655600	1550600	1450500
5	1332000	1349500	1405800	1466400	1514800	1578600	1687500	1714000	1646900	1652700	1550600	1445200
6	1332000	1349500	1408400	1469000	1514800	1581400	1690400	1711000	1644000	1652700	1547800	1439900
7	1332000	1352000	1408400	1474400	1517500	1584200	1693300	1708000	1641200	1649800	1547800	1437200
8	1332000	1352000	1411000	1477000	1517500	1587000	1699100	1708000	1641200	1646900	1545000	1432000
9	1332000	1364500	1413600	1479700	1517500	1589800	1702000	1705000	1638300	1644000	1547800	1429300
10	1332000	1357000	1416200	1482400	1517500	1592700	1702000	1705000	1635400	1641200	1545000	1426600
11	1332000	1357000	1416200	1485100	1517500	1595600	1705000	1702000	1632800	1641200	1542000	1424000
12	1332000	1359500	1418800	1487800	1520200	1598400	1708000	1702000	1632600	1638300	1539400	1424000
13	1332000	1362000	1418800	1490500	1520200	1598400	1708000	1699100	1629800	1635400	1536600	1421400
14	1332000	1362000	1418800	1490500	1520200	1601200	1711000	1699100	1626900	1632600	1533800	1418800
15	1332000	1364500	1421400	1490500	1520200	1607000	1711000	1699100	1626900	1632600	1533800	1416200
16	1332000	1367000	1424000	1493200	1520200	1609000	1711000	1699100	1624000	1626900	1531000	1413600
17	1332000	1369500	1426600	1493200	1522900	1618400	1711000	1699100	1624000	1626900	1528300	1413600
18	1332000	1369500	1432000	1495900	1525600	1624900	1711000	1693300	1624000	1624000	1525600	1411000
19	1334500	1372000	1432000	1495900	1531000	1629800	1708000	1690400	1621200	1624000	1522900	1411000
20	1334500	1374600	1434600	1495900	1536600	1632600	1708000	1687500	1621200	1624000	1517500	1408400
21	1334500	1377200	1437200	1495900	1539400	1635400	1708000	1681700	1626900	1621200	1514800	1405800
22	1334500	1377200	1439900	1498600	1542000	1638300	1708000	1678800	1626900	1618400	1509400	1403200
23	1334500	1379800	1442600	1498600	1545000	1644000	1708000	1675900	1625400	1615500	1506700	1405800
24	1334500	1379800	1442600	1501300	1547800	1646900	1708000	1673000	1623800	1612600	1501300	1405800
25	1334500	1379800	1445200	1504000	1550600	1652700	1708000	1670100	1641200	1609800	1495900	1405800
26	1337000	1379800	1447800	1506700	1553400	1655600	1708000	1670100	1644000	1598400	1490500	1405800
27	1337000	1385000	1450500	1506700	1559000	1658500	1708000	1667200	1646900	1598800	1485100	1405800
28	1339500	1387600	1453200	1506700	1561800	1664300	1708000	1661400	1649800	1584200	1479700	1405800
29	1339500	1392800	1455800	1506700	1564100	1667200	1708000	1658500	1652700	1578600	1477000	1405800
30	1342000	1395400	1458400	1509400	.....	1673000	1708000	1658500	1652700	1573000	1471700	1405800
31	1342000	.....	1461100	1509400	.....	1675900	.....	1655600	.....	1564100	1469000	.....



REPORT OF THE STATE ENGINEER

KINNEY NO. 1 DIVERSION (South)
From Lodgepole Creek—1948

Day	May	June	July	Aug.	Sept.
1	0	1	1	0	0
2	0	1	1	0	0
3	0	1	1	0	1
4	0	1	1	0	1
5	0	1	1	0	1
6	0	1	0	0	1
7	0	1	0	1	0
8	0	1	0	1	0
9	0	1	2	1	0
10	0	1	2	1	0
11	0	1	2	1	0
12	0	1	1	1	0
13	0	1	1	1	0
14	0	1	0	1	0
15	0	1	0	1	0
16	0	1	0	1	0
17	0	1	1	1	0
18	0	1	2	1	0
19	0	1	2	1	0
20	0	1	2	1	0
21	0	1	1	1	0
22	0	1	1	1	0
23	0	1	1	0	0
24	0	0	1	0	0
25	1	1	1	0	0
26	1	1	1	0	0
27	1	1	1	0	0
28	1	1	1	0	0
29	1	1	1	1	0
30	1	1	2	1	0
31	1	1	2	1	0
Mean	0	1	1	1	0
Max.	1	1	2	1	1
Min.	0	0	0	0	0
A.F.	10	60	60	40	10
Water diverted	Acreage reported				
180 A. F.	D-345 140				
	D-350 0				
	A-718R 48				
	A-1828 14				
	Total 202				

KINNEY NO. 2 DIVERSION (North)
From Lodgepole Creek—1948

Day	May	June	July	Aug.	Sept.
1	2	2	0	0	0
2	2	1	0	0	0
3	2	1	0	0	0
4	2	1	0	0	0
5	2	1	0	0	0
6	2	1	0	0	0
7	2	1	0	0	0
8	2	1	0	0	1
9	2	1	0	0	1
10	0	0	1	0	1
11	0	0	1	0	1
12	0	0	1	0	2
13	0	0	1	0	1
14	0	0	0	0	2
15	2	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	0	0
20	1	0	0	0	0
21	1	0	0	0	0
22	1	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	2	0	0	0	0
31	2	0	0	0	0
Mean	1	0	0	0	0
Max.	2	2	1	0	2
Min.	0	0	0	0	0
A.F.	80	20	10	0	20
Water diverted	Acreage reported				
130 A. F.	D-348 182				
	A-718 54				
	Total 236				

LAST CHANCE DIVERSION
From Pumpkinseed Creek—1948

Day	May	June	July	Aug.	Sept.
1	0	0	21	7	7
2	0	0	22	8	4
3	0	0	22	3	5
4	0	0	22	0	5
5	0	0	22	0	5
6	0	0	8	0	5
7	0	0	0	0	5
8	0	0	6	6	5
9	0	0	10	9	5
10	0	0	6	9	5
11	0	0	4	9	5
12	0	0	6	9	5
13	0	0	8	8	5
14	0	6	3	8	4
15	0	15	0	8	4
16	0	17	0	8	4
17	0	20	0	8	1
18	0	17	2	8	1
19	0	17	2	8	4
20	0	21	5	8	4
21	0	21	5	6	4
22	0	22	6	6	4
23	0	22	6	8	4
24	0	21	6	9	4
25	0	22	6	9	2
26	0	23	6	4	2
27	0	22	6	2	2
28	0	23	6	2	2
29	0	23	6	2	2
30	0	22	6	5	2
31	0	..	6	8	..
Mean	0	20	7	6	4
Max.	0	23	22	9	7
Min.	0	6	0	0	1
A.F.	0	660	460	360	230
Water diverted	Acreage reported				
1710 A. F.	D-883 453				

LISCO DIVERSION
From North Platte River—1948

Day	Oct.	May	June	July	Aug.	Sept.
1	23	14	29	0	27	16
2	9	8	24	0	27	18
3	0	10	20	0	0	23
4	0	4	23	0	4	17
5	0	14	24	8	0	18
6	0	16	12	33	5	20
7	1	15	20	16	12	22
8	5	14	28	14	11	15
9	9	12	24	16	19	19
10	10	11	21	14	14	11
11	4	11	21	19	20	11
12	0	11	22	20	19	12
13	0	10	21	20	23	15
14	10	7	20	0	22	18
15	21	6	6	11	21	19
16	14	6	0	12	20	19
17	11	14	0	7	14	12
18	11	23	0	2	10	4
19	11	29	0	0	9	24
20	9	29	0	0	11	25
21	17	27	0	10	16	25
22	21	30	0	11	17	19
23	9	52	0	5	22	24
24	14	10	0	11	34	29
25	0	11	0	0	36	19
26	2	19	0	3	24	22
27	17	18	0	16	28	20
28	24	17	0	22	25	19
29	0	28	0	25	14	18
30	0	28	0	27	17	19
31	0	27	0	27	19	..
Mean	8	18	10	11	17	18
Max.	24	52	29	33	36	29
Min.	0	4	0	0	0	4
A.F.	500	1090	620	700	1060	1090
Water diverted	5060.					

LISCO DIVERSION
From Cold Water Creek—1948

Day	Oct.	May	June	July	Aug.	Sept.
1	3	2	3	3	3	3
2	3	2	3	3	4	3
3	3	2	3	3	4	3
4	3	2	3	3	4	3
5	3	2	3	3	4	3
6	3	2	3	3	4	3
7	3	2	3	3	4	3
8	3	2	3	3	4	3
9	3	2	3	3	4	3
10	3	2	3	3	4	3
11	3	2	3	3	4	3
12	3	2	3	3	4	3
13	3	2	3	3	4	3
14	3	2	3	3	4	3
15	3	2	3	3	3	3
16	3	2	3	3	3	3
17	3	2	3	3	3	3
18	3	2	3	3	3	3
19	3	2	3	3	3	3
20	3	2	3	3	3	3
21	3	2	3	3	3	3
22	3	2	3	3	3	3
23	3	2	3	3	3	3
24	3	2	3	3	3	3
25	3	2	3	3	3	3
26	3	2	3	3	3	3
27	3	2	3	3	3	3
28	3	2	3	3	3	3
29	0	3	3	3	3	3
30	0	3	3	3	3	3
31	0	3	3	3	3	3
Mean	3	2	3	3	3	3
Max.	3	3	3	3	4	3
Min.	0	2	3	3	3	3
A.F.	170	170	180	180	210	180

Water diverted 1090 A. F.

LISCO DIVERSION
Summary in Acre-feet—1948

Diverted from:—	Oct.	May	June	July	Aug.	Sept.	Total
North Platte River...	500	1090	620	700	1060	1090	5060
Cold Water Creek....	170	170	180	180	210	180	1090
Total.....	670	1260	800	880	1270	1270	6150
Water diverted 6150 A. F.							
Acreage reported							
D-856		1391					
D-787R		1268					
D-796		300					
A-243R		635					
A-991		216					
Total		3810					

REPORT OF THE STATE ENGINEER

LYONS DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	19	4	0	9
2	0	19	4	0	9
3	0	16	4	11	6
4	0	9	4	13	6
5	0	3	4	11	6
6	0	1	4	11	6
7	0	0	4	2	7
8	0	1	4	2	8
9	0	1	4	0	8
10	0	0	6	0	2
11	0	0	1	0	2
12	0	0	1	0	2
13	0	0	1	0	2
14	0	0	11	0	2
15	0	0	11	7	2
16	0	0	10	7	13
17	0	0	10	7	13
18	0	0	9	7	12
19	15	0	7	11	13
20	15	0	7	11	12
21	12	0	7	9	12
22	14	0	7	6	12
23	22	0	7	6	12
24	13	0	6	6	12
25	17	0	6	3	2
26	15	0	10	4	2
27	15	4	9	1	2
28	17	4	9	0	1
29	17	3	7	0	0
30	18	4	7	0	0
31	21	3	0	0	0
Mean	7	3	6	4	6
Max.	22	19	11	13	13
Min.	0	0	0	0	0
A.F.	420	170	360	270	370

Water diverted 1590 A. F. Acreage reported D-803 968

MCCARTHY DIVERSION
From White Tail Creek—1948

Day	Apr.	May	June	July	Aug.	Sept.
1	0	2	3	3	3	3
2	0	2	3	3	3	3
3	0	2	3	3	3	3
4	0	2	3	3	3	3
5	0	2	3	3	3	3
6	0	2	3	3	3	3
7	0	2	3	3	3	3
8	0	2	3	3	3	3
9	0	2	3	3	3	3
10	0	2	3	3	3	3
11	0	2	3	3	3	3
12	0	2	3	3	3	3
13	0	2	3	3	3	3
14	0	2	3	3	3	3
15	0	2	3	3	3	3
16	0	2	3	3	3	3
17	0	2	3	3	3	3
18	0	2	3	3	3	3
19	0	2	3	3	3	3
20	0	2	3	3	3	3
21	0	2	3	3	3	3
22	0	2	3	3	3	3
23	2	2	3	3	3	3
24	2	3	3	3	3	3
25	2	3	3	3	3	3
26	2	3	3	3	3	3
27	2	3	3	3	3	3
28	2	3	3	3	3	3
29	2	3	3	3	3	3
30	2	3	3	3	3	3
31	2	3	3	3	3	3
Mean	1	2	3	3	3	3
Max.	2	3	3	3	3	3
Min.	0	2	3	3	3	3
A.F.	30	140	180	180	180	140

Water diverted 850 A. F. Acreage reported D-749 120

McINTOSH DIVERSION
From Lodgepole Creek—1948

Day	May	June	July	Aug.	Sept.
1	2	4	4	4	2
2	2	3	0	3	2
3	3	3	0	2	3
4	4	3	0	0	3
5	4	2	0	1	3
6	4	2	0	2	3
7	5	2	0	0	3
8	5	1	0	0	3
9	5	1	0	0	3
10	4	0	3	0	3
11	3	0	2	0	3
12	4	1	2	0	3
13	3	1	2	0	3
14	3	1	0	0	3
15	3	2	4	0	3
16	3	2	3	0	2
17	4	3	3	4	2
18	4	3	3	2	3
19	4	3	3	2	3
20	4	3	4	2	3
21	4	3	4	2	3
22	3	3	4	2	3
23	3	4	4	2	3
24	4	4	3	2	3
25	4	4	3	2	3
26	4	4	3	2	3
27	4	4	3	2	3
28	4	4	3	2	3
29	4	4	3	2	4
30	4	4	4	3	4
31	5	4	4	3	4
Mean	4	3	2	1	3
Max.	5	4	4	4	4
Min.	2	0	0	0	2
A.F.	230	150	140	90	170

Water diverted 780 A. F. Acreage reported D-351 176
A-734 122

MEREDITH-AMMER DIVERSION
From Pumpkinseed Creek—1948

Day	May	June	July	Aug.	Sept.
1	7	7	0	6	1
2	7	7	0	5	1
3	6	7	0	6	1
4	6	7	0	3	2
5	4	6	0	2	3
6	5	7	4	2	4
7	0	7	3	1	3
8	0	7	3	1	1
9	0	7	3	1	0
10	0	6	5	1	0
11	0	7	5	0	0
12	0	7	4	0	0
13	0	4	5	0	0
14	0	6	6	0	0
15	0	6	7	6	0
16	0	6	7	5	0
17	6	0	6	5	0
18	6	0	6	5	0
19	6	0	6	5	0
20	6	0	6	4	0
21	6	0	5	4	0
22	6	0	5	4	0
23	7	0	5	4	0
24	7	0	6	4	0
25	7	0	6	4	0
26	6	0	6	4	0
27	6	0	6	3	0
28	6	0	7	1	0
29	6	0	7	1	0
30	7	0	6	1	0
31	7	0	6	1	0
Mean	4	3	5	3	0
Max.	7	7	7	6	4
Min.	0	0	0	0	0
A.F.	260	210	280	180	30

Water diverted 960 A. F. Acreage reported D-876 435

Total 298

BUREAU OF IRRIGATION

669

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 1
Diverted from Middle Loup River

Section 10-19-18—1948						
Day	May	June	July	Aug.	Sept.	
1	0	23	0	21	41	
2	0	21	0	17	42	
3	0	21	0	5	43	
4	21	21	0	3	40	
5	25	23	0	0	36	
6	24	23	0	0	39	
7	17	21	0	0	32	
8	14	18	6	0	31	
9	15	18	18	0	32	
10	15	19	21	12	31	
11	12	18	19	14	30	
12	11	13	23	24	30	
13	16	14	35	8	30	
14	19	15	36	0	30	
15	18	15	46	0	29	
16	17	17	44	0	25	
17	20	22	45	0	22	
18	20	16	41	0	20	
19	19	11	42	0	20	
20	22	11	42	0	23	
21	24	14	39	0	24	
22	25	6	39	0	23	
23	31	0	37	10	22	
24	38	0	36	30	24	
25	37	0	35	36	24	
26	30	0	36	42	24	
27	33	0	39	45	22	
28	36	0	39	42	17	
29	36	0	20	40	17	
30	36	0	18	40	18	
31	29		20	39		
Mean	21	13	25	14	28	
Max.	38	23	46	45	43	
Min.	0	0	0	0	17	
A.F.	1310	750	1540	850	1670	
Water diverted				Acreage reported		
6120 A. F.				A-2293	3124	
				A-2678	82	
				Total	3206	

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 2
Diverted from Middle Loup River

Section 10-19-18—1948						
Day	Oct.	May	June	July	Aug.	Sept.
1	0	0	21	11	13	42
2	0	0	20	11	2	41
3	0	0	20	11	1	42
4	0	0	21	11	0	42
5	0	0	23	11	0	41
6	0	2	26	10	0	49
7	0	13	23	18	0	50
8	0	16	29	28	0	41
9	0	26	33	31	0	39
10	0	26	33	33	0	36
11	0	22	34	30	14	37
12	0	19	25	32	21	36
13	0	18	28	37	8	36
14	0	21	28	37	0	32
15	0	23	29	44	0	28
16	0	27	32	42	0	24
17	0	27	27	42	0	24
18	0	26	21	27	0	25
19	0	25	19	20	0	25
20	14	26	16	20	0	26
21	23	28	13	19	0	26
22	24	32	4	19	0	24
23	26	35	5	22	0	29
24	24	38	8	35	22	24
25	23	33	11	42	32	24
26	24	28	11	45	42	20
27	24	30	14	45	52	18
28	23	35	12	49	48	19
29	9	40	13	18	47	20
30	0	32	12	10	48	20
31	0	23		4	47	
Mean	7	22	20	26	12	31
Max.	26	40	34	49	52	50
Min.	0	0	4	4	0	18
A.F.	420	1330	1210	1610	770	1870
Water diverted				Acreage reported		
7210 A. F.				A-2293	2735	
				A-2678	189	
				Total	2924	

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 3
Diverted from Middle Loup River

Section 1-17-17—1948						
Day	Oct.	May	June	July	Aug.	Sept.
1	30	0	46	0	41	64
2	26	0	39	0	20	85
3	25	14	38	0	0	88
4	26	31	39	0	0	94
5	21	40	39	20	0	92
6	24	50	40	30	0	100
7	27	25	40	26	0	94
8	25	21	37	36	0	74
9	24	24	50	53	0	67
10	24	35	58	55	0	54
11	23	33	54	40	21	45
12	28	21	60	46	31	43
13	26	19	54	45	9	43
14	21	25	54	45	0	43
15	21	45	52	60	0	42
16	25	55	46	80	0	37
17	26	52	36	84	0	37
18	25	48	37	74	0	41
19	24	58	38	72	0	43
20	23	66	40	68	0	39
21	19	68	43	59	0	40
22	21	71	38	56	0	37
23	26	76	26	57	28	45
24	20	82	22	41	45	54
25	21	81	19	39	43	51
26	24	64	18	43	51	47
27	18	54	18	60	77	45
28	18	49	7	72	82	42
29	14	52	0	29	58	39
30	20	62	0	30	55	36
31	9	58		42	45	35
Mean	23	44	36	44	20	55
Max.	30	82	60	84	82	100
Min.	9	0	0	0	0	36
A.F.	1400	2740	2160	2700	1200	3290
Water diverted				Acreage reported		
13490 A. F.				A-2293	6652	
				A-2678	217	
				Total	6869	

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 4
Diverted from Middle Loup River

Section 3-18-17—1948						
Day	Oct.	May	June	July	Aug.	Sept.
1	28	0	60	0	38	54
2	27	0	56	0	27	54
3	25	0	55	0	15	57
4	25	0	63	0	6	56
5	24	0	58	0	0	60
6	24	16	58	23	0	66
7	24	25	57	50	0	79
8	25	22	56	56	0	69
9	23	27	60	64	0	56
10	22	28	63	70	0	51
11	21	25	64	72	23	49
12	21	26	63	74	37	55
13	20	24	58	81	31	54
14	19	21	60	77	28	55
15	18	27	60	77	28	53
16	18	42	46	74	27	52
17	19	55	47	71	18	50
18	19	56	42	66	4	47
19	19	67	42	71	0	47
20	17	74	44	72	0	38
21	16	80	47	70	0	38
22	16	82	29	70	0	36
23	16	82	6	72	30	38
24	16	84	4	72	47	40
25	14	79	5	71	46	43
26	15	72	6	72	43	43
27	17	70	2	72	51	36
28	16	75	0	82	52	38
29	15	79	0	55	51	35
30	6	76	0	34	52	32
31	0	67		35	54	
Mean	19	45	40	55	23	50
Max.	28	84	64	82	54	79
Min.	0	0	0	0	0	32
A.F.	1160	2740	2400	3390	1410	2960
Water diverted				Acreage reported		
14060 A. F.				A-2293	7102	
				A-2678	188	
				Total	7290	

Note: See Summary on page 670.

REPORT OF THE STATE ENGINEER

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT

DIVERSION:—	Summary in Acre-feet—1948						Total
	Oct.	May	June	July	Aug.	Sept.	
Canal No. 1.....	0	1310	750	1540	850	1670	6120
Canal No. 2.....	420	1330	1210	1610	770	1870	7210
Canal No. 3.....	1400	2740	2160	2700	1200	3290	13490
Canal No. 4.....	1160	2740	2400	3390	1410	2960	14060
Total diverted.....	2980	8120	6520	9240	4230	9790	40880

MIDLAND-OVERLAND DIVERSION

From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	22	0	6	12
2	0	22	4	8	10
3	0	23	4	8	8
4	0	23	4	2	9
5	0	22	3	0	4
6	0	21	9	0	4
7	0	18	12	0	7
8	0	17	14	4	1
9	0	14	7	6	7
10	0	16	8	8	0
11	0	11	8	6	0
12	0	8	11	5	0
13	0	7	17	4	3
14	0	10	1	4	3
15	0	5	2	4	8
16	0	3	16	4	8
17	0	2	17	4	8
18	10	0	16	3	2
19	21	0	16	3	0
20	24	0	17	4	1
21	23	0	13	3	1
22	30	0	14	5	8
23	33	0	8	6	2
24	34	0	6	6	5
25	32	0	6	2	6
26	30	0	8	3	6
27	18	0	6	3	6
28	19	0	5	9	6
29	24	0	4	11	4
30	23	0	5	11	5
31	20	8	6	9	5
Mean	11	8	8	5	5
Max.	34	23	17	11	12
Min.	0	0	0	0	0
A.F.	680	480	520	300	280
Water diverted	Acreage reported				
2260 A. F.	D-789 1000				
	D-791 1071				
	Total 2071				

MINATURE DIVERSION

From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	35	49	22	82	90
2	26	47	18	97	84
3	26	27	26	83	79
4	22	0	35	82	73
5	26	0	37	68	67
6	18	0	46	61	52
7	22	52	70	51	44
8	26	51	84	35	30
9	25	49	87	33	38
10	27	49	93	37	28
11	30	52	88	48	30
12	30	51	74	47	35
13	38	50	68	60	28
14	39	50	67	75	38
15	48	56	25	58	32
16	52	63	0	57	52
17	52	40	0	61	52
18	50	46	0	69	45
19	50	33	0	74	44
20	46	24	40	90	44
21	54	23	47	94	46
22	37	24	44	90	47
23	43	28	54	83	46
24	75	22	55	80	43
25	62	22	62	78	42
26	60	22	66	64	28
27	50	22	66	74	24
28	46	22	75	42	33
29	52	22	91	15	31
30	51	30	80	69	21
31	51	..	79	84	..
Mean	41	34	52	66	46
Max.	75	63	93	97	90
Min.	18	0	0	15	21
A.F.	2520	2050	3170	4050	2710
Water diverted	Acreage reported				
14500 A. F.	D-919 9272				

BUREAU OF IRRIGATION

671

MIRAGE FLATS DIVERSION
From Niobrara River and Box Butte Reservoir—1948

Day	May	June	July	Aug.	Sept.
1	0	20	0	37	135
2	0	26	20	0	135
3	0	35	18	0	133
4	0	37	18	0	118
5	1	37	18	3	110
6	9	42	31	22	100
7	9	57	46	42	80
8	9	69	88	42	66
9	9	96	94	60	60
10	0	121	94	84	60
11	13	147	95	110	47
12	34	149	96	112	41
13	28	149	91	124	44
14	28	148	87	124	45
15	28	149	9	125	43
16	28	143	48	132	43
17	40	47	43	137	43
18	47	0	37	141	43
19	47	0	28	144	43
20	51	0	28	144	39
21	64	0	28	144	28
22	60	0	28	144	22
23	52	0	28	144	7
24	47	0	28	159	0
25	35	0	43	159	0
26	35	0	64	148	0
27	34	0	93	148	0
28	31	0	120	145	0
29	24	0	122	147	0
30	17	0	122	141	0
31	11	49	56	135	50
Mean	26	49	56	103	50
Max.	64	149	122	159	135
Min.	0	0	0	0	0
A.F.	1570	2920	3460	6340	2940
Water diverted					
17230 A. F.					
Acreage reported					
A-2685					11087
A-3729					2832
Total					13919

MITCHELL DIVERSION
From North Platte River—1948

Day	Oct.	May	June	July	Aug.	Sept.
1	56	0	195	101	124	102
2	9	0	197	130	122	102
3	0	0	192	138	79	103
4	0	0	189	131	74	101
5	0	0	192	130	74	89
6	0	0	191	127	74	89
7	0	0	189	133	73	100
8	0	0	176	149	72	0
9	0	0	182	123	73	0
10	0	0	196	144	74	0
11	0	0	206	141	76	0
12	0	0	180	136	75	0
13	0	0	184	138	74	0
14	0	0	185	62	74	80
15	0	0	187	13	79	98
16	0	0	134	7	98	98
17	0	0	17	7	99	97
18	0	0	77	0	97	98
19	0	0	110	0	101	96
20	0	0	102	0	99	102
21	0	118	100	0	100	99
22	0	86	91	0	101	100
23	0	0	115	0	100	101
24	0	0	116	0	101	87
25	0	0	110	50	101	62
26	0	0	106	69	101	63
27	0	65	98	74	94	64
28	0	86	96	103	96	63
29	0	162	95	122	95	61
30	0	188	92	124	96	65
31	0	196		125	100	
Mean	2	29	143	80	90	71
Max.	56	196	206	149	124	103
Min.	0	0	17	0	72	0
A.F.	130	1790	8530	4920	5550	4250
Water diverted						
25170 A. F.						
Acreage reported						
D-1052						13634

NINE MILE DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	72	47	67	71
2	0	76	50	54	59
3	0	79	53	67	69
4	0	58	53	89	74
5	8	56	60	87	72
6	23	82	67	71	73
7	25	76	67	65	85
8	25	77	60	61	82
9	25	80	66	57	60
10	25	66	64	53	55
11	26	64	64	54	54
12	28	60	71	67	60
13	26	71	65	75	64
14	26	82	74	67	64
15	49	86	0	71	60
16	51	73	0	72	55
17	61	35	21	74	55
18	46	41	44	75	53
19	29	43	51	81	55
20	26	45	68	93	64
21	24	42	76	100	69
22	60	44	48	98	61
23	109	49	60	89	62
24	101	34	58	64	39
25	70	29	62	67	42
26	81	24	81	77	44
27	59	17	77	64	39
28	60	12	72	68	36
29	95	17	72	67	39
30	89	28	68	57	35
31	81		61	57	
Mean	42	54	57	71	58
Max.	109	86	81	100	85
Min.	0	12	0	53	35
A.F.	2620	3210	3530	4380	3470
Water diverted					
17210 A. F.					
Acreage reported					
D-925					5738
D-925, O.D. P262					100
Total					5838

NORTH PLATTE DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	103	110	46	148	192
2	126	141	94	156	192
3	112	148	116	134	199
4	114	156	117	114	203
5	152	148	148	62	199
6	130	146	137	66	184
7	148	144	156	116	152
8	156	148	163	114	144
9	159	175	137	134	167
10	184	176	137	184	159
11	182	154	148	165	128
12	209	81	163	186	107
13	197	101	188	176	121
14	189	83	192	135	125
15	169	74	196	137	119
16	176	74	194	184	112
17	214	74	197	226	119
18	203	74	196	259	158
19	203	78	198	253	146
20	188	56	197	252	144
21	188	44	197	248	165
22	171	47	201	272	158
23	163	44	199	269	152
24	173	44	197	272	144
25	152	46	205	272	152
26	158	36	233	253	158
27	178	36	231	218	163
28	169	44	248	161	165
29	173	44	188	173	144
30	132	44	167	186	99
31	98		161	190	
Mean	163	92	172	184	152
Max.	214	176	248	272	203
Min.	98	36	46	62	99
A.F.	10010	5490	10600	11340	9060
Water diverted					
46500 A. F.					
Acreage reported					
D-635					14048

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL
Diverted from North Loup River—
Sec. 22-19-44—1948

Day	Oct.	May	June	July	Aug.	Sept.
1	27	0	44	0	0	79
2	25	0	44	0	0	79
3	27	0	41	0	0	88
4	26	63	41	0	0	88
5	25	60	41	0	0	88
6	25	31	41	0	0	86
7	26	34	42	0	0	78
8	26	40	41	0	0	66
9	26	41	43	0	0	60
10	26	42	48	25	0	56
11	26	43	48	52	0	50
12	24	43	47	52	0	50
13	24	54	44	52	0	50
14	24	60	37	54	0	48
15	24	65	34	55	0	40
16	24	66	27	65	0	38
17	24	69	0	65	0	35
18	24	71	0	63	0	35
19	22	79	0	62	0	36
20	19	83	0	64	0	36
21	23	83	0	68	0	36
22	18	85	0	71	0	36
23	19	80	0	32	0	35
24	18	79	0	0	27	35
25	18	74	0	0	53	35
26	18	70	0	13	55	35
27	18	66	0	74	51	33
28	17	66	0	66	51	32
29	20	66	0	0	52	33
30	16	51	0	0	56	29
31	0	0	0	0	66	29
Mean	22	55	22	30	13	51
Max.	27	85	48	74	66	88
Min.	0	0	0	0	0	29
A.F.	1350	3400	1320	1850	820	3020
Water diverted	11760	A. F.		Acreage reported		
				A-2312	6704	
				A-3672	58	
				Total	6762	

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL
Diverted from North Loup River—
Sec. 13-21-19—1948

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	44	0	46	30	0	56	166
2	46	0	49	32	0	26	173
3	49	0	44	77	45	0	177
4	40	0	47	88	75	35	178
5	44	0	45	104	77	55	177
6	47	0	40	125	77	53	171
7	49	0	46	124	82	43	172
8	52	0	41	125	99	58	148
9	52	0	49	128	103	32	137
10	53	0	50	133	98	49	130
11	55	0	50	143	112	27	108
12	51	0	56	126	126	10	114
13	46	0	64	128	132	0	109
14	53	0	74	128	149	0	117
15	62	0	74	128	155	0	111
16	52	0	87	122	156	0	100
17	52	0	89	92	156	0	103
18	50	0	96	77	148	0	112
19	49	0	111	64	154	0	125
20	49	0	111	75	158	0	128
21	54	0	114	60	159	0	102
22	50	0	112	0	159	0	84
23	49	0	111	0	163	20	84
24	35	0	103	0	156	34	87
25	44	0	96	0	162	59	96
26	53	0	89	0	171	75	71
27	49	0	80	0	181	83	75
28	43	29	79	0	185	111	69
29	35	47	82	0	12	110	69
30	35	43	75	0	29	132	77
31	26	4	81	0	68	153	..
Mean	47	4	74	74	114	39	119
Max.	62	47	114	143	185	153	178
Min.	26	0	40	0	0	0	69
A.F.	2910	240	4540	4380	7040	2420	7080
Water diverted	28610	A. F.		Acreage reported			
				A-2312	14555		
				A-2417R	183		
				A-3821	78		
				A-3892	37		
				Total	14853		

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
BURWELL-SUMTER CANAL

Diverted from North Loup River—Sec. 14-21-16—1948

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	27	0	33	44	0	38	105
2	25	0	34	43	0	15	112
3	25	0	33	34	8	0	113
4	25	0	32	38	16	0	112
5	24	0	30	48	21	0	115
6	22	0	25	46	33	0	115
7	23	0	24	47	46	0	91
8	22	0	27	46	47	0	79
9	22	0	25	62	56	21	60
10	23	0	26	77	57	28	58
11	25	0	25	76	47	0	51
12	27	0	25	74	29	0	57
13	26	0	25	77	28	0	58
14	25	0	28	76	28	0	52
15	25	0	26	66	35	0	46
16	25	0	25	57	43	0	46
17	25	0	28	0	43	0	46
18	26	0	37	0	36	0	46
19	26	0	43	0	36	0	46
20	26	0	56	0	43	0	46
21	25	0	58	0	42	0	38
22	25	0	75	0	41	0	33
23	26	0	74	0	47	7	34
24	26	0	73	0	54	26	34
25	25	0	68	0	52	31	32
26	26	38	57	0	54	39	31
27	26	46	55	0	70	45	31
28	22	33	54	0	76	50	32
29	21	32	54	0	8	58	32
30	20	33	46	0	20	66	32
31	14	6	45	0	40	70	..
Mean	24	6	41	30	37	16	59
Max.	27	46	75	77	76	70	115
Min.	14	0	24	0	0	0	31
A.F.	1490	360	2510	1800	2290	980	3540
Water diverted	12970	A. F.		Acreage reported			
				A-2312	6903		
				A-3831	38		
				A-3772	75		
				A-3828	39		
				A-3879	25		
				Total	7055		

Note: See Summary on page 673.

BUREAU OF IRRIGATION

673

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT

Summary in Acre-feet—1948

Diversion:	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Taylor-Ord	2910	240	4540	4380	7040	2420	7080	28610
Burwell-Sumter	1490	360	2510	1800	2290	980	3540	12970
Taylor-Ord	1350	0	3400	1320	1850	820	3020	11760
Total diverted.....	5750	600	10450	7500	11180	4220	13640	53340

NORTHPORT DIVERSION
North Platte River and Pathfinder
Reservoir—Sec. 3-23-58—1948

Day	May	June	July	Aug.	Sept.
1	0	95	181	119	109
2	0	197	253	108	105
3	0	199	252	72	106
4	0	199	254	92	108
5	0	200	186	72	106
6	0	144	147	81	104
7	0	123	153	93	99
8	0	113	146	95	99
9	0	106	147	99	105
10	0	102	147	94	70
11	0	99	148	91	60
12	0	100	153	92	28
13	0	100	239	94	26
14	40	129	248	92	30
15	113	124	247	93	33
16	119	201	249	95	28
17	115	198	248	98	28
18	125	198	248	86	28
19	121	182	106	76	26
20	118	182	109	87	18
21	138	180	110	85	26
22	123	178	103	79	0
23	96	177	106	84	167
24	192	179	104	121	191
25	192	180	101	121	193
26	108	180	122	113	193
27	101	180	124	106	207
28	104	181	127	111	197
29	66	181	121	113	185
30	107	181	124	116	191
31	98	...	123	108	...
Mean	67	160	165	96	96
Max.	192	201	254	119	207
Min.	0	95	101	72	0
A.F.	4120	9500	10160	5920	5630

Water diverted 35380 A. F.

Note: See Summary on page 674.

NORTHPORT DIVERSION
Drains Entering Tri-State Canal—1948

Day	May	June	July	Aug.	Sept.
1	10	53	35	196	209
2	10	38	53	203	217
3	10	31	43	207	217
4	10	32	31	190	214
5	11	30	66	201	217
6	16	38	115	206	219
7	25	97	126	192	244
8	80	117	181	188	229
9	103	123	139	183	228
10	101	126	134	194	224
11	97	123	136	197	223
12	102	125	135	197	226
13	95	127	138	194	229
14	92	104	68	200	222
15	89	103	42	196	220
16	88	56	40	194	226
17	88	34	41	183	227
18	91	33	41	195	227
19	92	34	120	199	229
20	92	36	167	204	246
21	94	34	163	200	233
22	97	45	164	211	235
23	97	40	170	207	162
24	54	38	174	204	84
25	22	38	180	208	68
26	73	37	175	227	65
27	110	36	172	221	62
28	109	36	176	212	62
29	145	35	175	212	62
30	111	34	186	209	62
31	111	...	186	209	...
Mean	75	61	120	202	186
Max.	145	127	186	227	246
Min.	10	30	31	183	62
A.F.	4610	3640	7380	12390	11080

Water diverted 39100 A. F.

REPORT OF THE STATE ENGINEER

NORTHPORT DIVERSIONS
FOR NORTHPORT IRRIGATION DISTRICT
Summary in Acre-feet—1948

Diverted from:—	Section	May	June	July	Aug.	Sept.	Total
North Platte River.....	3-23-58	4120	9500	10160	5920	5680	35380
*Sheep Creek	17-23-57	2480	1260	3630	6960	5710	20040
*Akers Draw	12-23-57	690	730	700	870	710	3500
*Tub Springs	27-23-55	870	430	1660	2730	1980	7670
*Spotted Tail, Dry.....	9-23-56	0	0	0	0	0	0
*Spotted Tail, Wet.....	10-23-56	580	1220	1400	2030	2680	7910
*Moffat Drain	25-22-53	0	0	0	0	0	0
*Alliance Drain	18-22-53	0	0	0	0	0	0
Total diversion		8740	13140	17550	18310	16760	74500
Acreage reported A-768		16109					

*The water from drains was originally diverted at Whalen from the North Platte River and carried through the Interstate Canal for lands within the Pathfinder Irrigation District. The residue of the Whalen diversion after it has been used on the Pathfinder District lands together with surface runoff is intercepted by the Tri-State Canal and conveyed for re-use on Northport Irrigation District's lands. United States v. Tilley, State Engineer of Nebraska, et al., No. 11587, United States Circuit Court of Appeals, Eighth Circuit, December 23, 1941.

ORCHARD-ALFALFA DIVERSION
From Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	28	0	0	0
2	0	20	0	0	0
3	0	27	0	0	0
4	0	24	0	0	0
5	0	21	0	0	0
6	0	22	0	0	0
7	0	22	0	0	0
8	0	24	0	0	0
9	0	30	0	0	0
10	0	46	0	0	0
11	0	37	0	0	0
12	0	28	0	0	0
13	0	14	3	0	0
14	0	6	24	0	0
15	0	9	11	0	0
16	0	10	0	0	0
17	0	9	0	0	0
18	0	11	0	0	0
19	2	10	11	0	0
20	12	17	31	0	0
21	17	59	40	0	0
22	21	0	45	0	0
23	16	0	52	0	0
24	18	0	59	0	0
25	40	0	67	0	0
26	46	3	79	0	0
27	40	5	98	0	0
28	47	0	110	0	0
29	54	0	0	0	0
30	42	0	0	0	0
31	18	0	0	0	0
Mean	12	16	20	0	0
Max.	54	59	110	0	0
Min.	0	0	0	0	0
A.F.	740	960	1250	0	0
Water diverted 2950 A. F.	Acreage reported D-627		5950		

OSHKOSH DIVERSION
From Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	14	0	9	16
2	0	16	0	31	17
3	0	16	0	16	17
4	0	15	0	3	16
5	0	0	0	3	15
6	0	0	14	2	15
7	0	0	13	2	12
8	0	0	8	2	11
9	0	0	7	1	10
10	0	0	2	0	11
11	0	0	2	6	11
12	0	4	11	9	11
13	0	7	13	8	11
14	0	8	12	12	11
15	0	13	13	13	10
16	0	12	17	11	10
17	0	14	10	12	10
18	0	4	0	14	9
19	0	1	0	0	7
20	11	1	0	0	7
21	21	1	0	0	8
22	21	0	0	0	9
23	21	0	0	0	5
24	21	0	2	0	0
25	21	0	12	0	0
26	21	0	11	2	0
27	20	0	17	2	0
28	17	0	24	2	0
29	14	0	20	2	0
30	14	0	7	4	0
31	14	0	7	17	0
Mean	7	4	7	6	9
Max.	21	16	24	31	17
Min.	0	0	0	0	0
A.F.	430	250	430	360	510
Water diverted 1980 A. F.	Acreage reported D-797		1762		

BUREAU OF IRRIGATION

675

OLIVER RESERVOIR—KIMBALL IRRIGATION DISTRICT
Lodgepole Creek, Storage in Acre-feet—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3440	.....	.....
2
3	4480	.....	.....	.....	.....
4	4080	.....	3460	.....
5
6	3420	1690
7	3420	3190	1580
8	3550	.....	.....	.....	.....	.....	.....
9	2400	.....	.....	.....	.....	.....	.....	.....	.....	1570
10	3210	.....
11
12	3150	.....	.....	.....	.....	.....	.....	.....	.....
13	3180	.....	.....	.....	.....	.....	.....	.....
14	3570	.....	2890	1400
15	4000	.....	.....	4170	3090	1300
16
17	2950	1290
18	3710	.....	.....	.....	.....	.....	.....
19
20	1250
21	4090	3400	.....	2660	.....
22	4160	.....	.....
23	1230
24	1680	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1440
25
26
27	2280	.....
28	3780	.....	.....
29	2770	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	2090	1490
31	3500	.....	.....

OWASCO DIVERSION
From Lodgepole Creek—1948

Day	May	June	July	Aug.	Sept.
1	2	2	2	2	3
2	2	2	2	5	3
3	3	3	3	5	3
4	2	3	3	5	3
5	2	3	3	5	3
6	2	3	3	4	3
7	2	3	3	2	5
8	2	3	3	2	5
9	4	3	3	1	6
10	7	3	3	2	6
11	7	3	3	2	6
12	5	3	3	3	7
13	5	3	3	2	6
14	4	3	0	4	5
15	3	3	2	4	6
16	3	2	2	5	2
17	2	2	2	4	6
18	2	1	2	4	6
19	2	1	2	2	7
20	3	0	2	2	6
21	2	0	2	2	6
22	2	0	2	1	7
23	2	0	1	2	7
24	3	0	1	2	7
25	3	0	0	3	7
26	4	0	0	4	7
27	4	0	5	5	7
28	3	0	2	5	7
29	3	0	0	3	0
30	1	0	0	3	0
31	2	0	1	1	0
Mean	3	2	2	4	5
Max.	7	3	5	14	7
Min.	1	0	0	1	0
A.F.	190	100	140	220	310
Water diverted	Acreage reported				
960 A. F.	D-347R 84				
	A-725 689				
	Total 773				

PAISLEY DIVERSION
From Blue Creek and Crescent Lake—1948

Day	May	June	July	Aug.	Sept.
1	0	9	14	0	0
2	0	11	14	0	0
3	0	14	14	0	0
4	0	16	14	0	0
5	0	17	13	0	14
6	0	18	15	0	15
7	9	17	16	0	16
8	13	17	16	0	17
9	16	17	17	0	17
10	11	17	17	0	17
11	19	17	17	0	17
12	21	19	17	0	18
13	15	17	17	0	18
14	17	14	19	0	18
15	0	6	19	0	18
16	3	11	18	0	18
17	2	17	18	0	18
18	3	17	17	0	18
19	3	17	18	0	18
20	0	18	18	0	17
21	0	18	18	0	18
22	0	19	17	0	16
23	0	19	17	0	8
24	0	18	17	0	0
25	0	17	17	0	9
26	0	17	16	0	9
27	0	10	16	0	9
28	0	0	6	0	14
29	0	0	1	0	17
30	7	10	1	0	17
31	9	0	0	0	0
Mean	5	14	14	0	13
Max.	21	19	19	0	18
Min.	0	0	1	0	0
A.F.	290	860	890	0	770
Water diverted	Acreage reported				
2810 A. F.	D-800 815				
	A-515 95				
	A-1738 400				
	Total 1310				

PAXTON-HERSHEY DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	0	2	47	66
2	0	0	0	50	60
3	0	0	10	53	64
4	0	0	13	9	60
5	38	0	6	0	46
6	45	0	27	0	57
7	36	0	51	0	48
8	45	0	52	0	41
9	51	6	51	28	18
10	58	17	55	73	0
11	76	20	42	69	20
12	81	6	40	62	50
13	72	3	71	46	68
14	61	20	80	13	63
15	69	51	92	37	32
16	44	32	92	34	31
17	52	28	103	57	37
18	62	44	105	76	39
19	85	45	109	78	25
20	118	73	100	103	33
21	91	72	114	108	49
22	91	55	116	105	30
23	48	23	126	114	20
24	24	26	101	171	9
25	25	26	92	160	20
26	81	10	92	95	22
27	94	1	81	62	42
28	111	2	94	53	56
29	32	2	82	38	58
30	2	4	72	50	63
31	0	.	50	61	..
Mean	51	19	68	60	41
Max.	118	73	126	171	66
Min.	0	0	0	0	0
A.F.	3160	1120	4210	3670	2430
Water diverted	14590 A. F.		Acreage reported		
			D-653 7458		

PHELPS COUNTY DIVERSION
From Platte River and Kingsley Reservoir
Sec. 8-13-29--1948

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	190	0	376	349	310	513	499
2	163	20	398	365	315	519	499
3	128	46	421	368	336	496	499
4	109	50	421	370	360	502	502
5	107	52	418	373	351	499	499
6	111	56	376	368	351	499	491
7	111	61	368	370	398	493	488
8	107	56	360	390	463	493	429
9	103	67	330	395	485	491	401
10	103	101	312	395	493	479	401
11	103	105	310	415	491	488	401
12	101	113	310	435	488	485	401
13	87	144	310	426	488	479	398
14	38	150	312	432	493	485	390
15	0	148	315	426	513	482	387
16	0	146	312	415	535	493	393
17	0	150	310	418	535	493	404
18	0	150	315	415	544	493	404
19	0	148	315	418	538	493	404
20	0	180	325	415	541	493	421
21	0	235	349	381	533	499	437
22	0	252	370	308	530	499	437
23	0	280	387	295	547	496	421
24	0	318	381	295	547	499	404
25	0	328	390	295	538	499	384
26	0	323	418	295	544	499	376
27	0	320	437	295	547	499	370
28	0	330	446	298	533	496	370
29	0	365	454	302	519	493	368
30	0	376	401	315	524	491	370
31	0	.	333	.	524	496	..
Mean	50	169	364	368	481	495	408
Max.	190	376	454	435	547	519	502
Min.	0	0	310	295	310	479	368
A.F.	3100	10060	22370	21890	29580	30410	24290
Water diverted	141700 A. F.						

BUREAU OF IRRIGATION

RAMSHORN DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	16	8	11	15
2	0	14	11	11	15
3	0	12	11	12	16
4	0	15	12	11	18
5	0	16	14	14	15
6	0	16	11	12	13
7	0	16	6	5	16
8	0	6	18	5	14
9	0	0	22	9	13
10	0	9	24	10	14
11	0	19	18	10	15
12	0	18	15	11	14
13	0	18	20	11	15
14	0	17	19	12	14
15	0	17	10	8	4
16	0	24	14	2	4
17	0	8	15	0	4
18	0	3	10	2	4
19	0	2	9	5	8
20	0	0	9	7	15
21	0	4	9	12	20
22	8	2	13	13	20
23	17	0	16	12	20
24	19	0	17	12	16
25	15	0	17	12	14
26	18	0	16	10	17
27	18	0	8	10	11
28	18	0	4	14	6
29	18	0	6	15	6
30	17	2	8	14	7
31	16	.	9	14	.
Mean	5	8	13	10	13
Max.	19	24	24	15	20
Min.	0	0	4	0	4
A.F.	320	500	790	610	760

Water diverted 2980 A. F. Acreage reported D-945 1619

RUTTNER (NEW) DIVERSION
From Lodgepole Creek—1948

Day	May	June	July	Aug.	Sept.
1	2	2	2	0	2
2	2	2	2	0	2
3	2	2	2	0	3
4	2	2	2	0	2
5	2	2	2	0	1
6	2	2	2	2	2
7	2	2	2	0	0
8	2	2	2	1	0
9	2	2	2	2	2
10	0	0	2	2	2
11	0	0	2	2	2
12	0	0	2	2	2
13	0	0	2	2	2
14	0	0	2	0	2
15	2	2	2	1	2
16	2	2	3	1	2
17	2	2	3	1	2
18	2	2	3	1	2
19	2	2	3	1	2
20	2	2	3	2	2
21	2	2	3	2	2
22	2	2	3	2	2
23	2	2	3	2	2
24	2	2	3	2	2
25	2	2	3	2	2
26	2	2	3	2	0
27	2	2	3	0	1
28	2	2	3	0	3
29	2	2	3	0	3
30	2	2	2	0	3
31	2	2	2	0	2
Mean	2	2	2	1	2
Max.	2	3	3	3	3
Min.	0	2	2	0	0
A.F.	100	140	90	90	90

Water diverted 510 A. F. Acreage reported D-350R 22
A-727 39
A-857 92
A-869 44

Total 197

SHERIDAN-WILSON DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	9	2	0	1	4
2	12	1	0	1	2
3	12	1	0	0	2
4	11	0	0	0	1
5	0	0	0	0	1
6	5	1	2	0	1
7	5	0	6	0	1
8	4	0	11	0	0
9	8	1	9	0	0
10	7	1	7	0	0
11	7	2	1	1	0
12	8	4	2	10	0
13	2	4	2	1	0
14	2	0	3	1	0
15	2	0	6	1	0
16	2	0	6	0	0
17	3	0	7	0	0
18	3	0	6	5	0
19	13	0	7	5	0
20	11	0	7	7	0
21	16	0	6	3	0
22	10	0	10	3	0
23	3	0	10	3	0
24	3	0	8	3	0
25	6	0	11	4	0
26	5	0	12	3	0
27	3	0	15	4	0
28	11	0	6	3	0
29	8	0	10	2	0
30	13	0	2	2	0
31	2	.	2	2	.
Mean	7	1	6	2	0
Max.	16	4	15	10	4
Min.	0	0	0	0	0
A.F.	410	30	340	130	20

Water diverted 930 A. F.

SHERIDAN-WILSON DIVERSION
From Sarben Slough—1948

Day	May	June	July	Aug.	Sept.
1	5	5	7	7	8
2	5	5	7	7	8
3	5	6	7	7	8
4	6	6	7	7	8
5	6	6	7	7	8
6	6	6	7	7	9
7	6	6	6	7	9
8	6	6	6	7	10
9	6	6	6	7	10
10	6	6	6	7	10
11	6	6	6	7	10
12	6	6	6	7	10
13	6	6	6	7	10
14	6	6	6	7	10
15	6	6	6	7	9
16	6	6	6	7	9
17	6	6	6	7	9
18	6	6	6	7	9
19	6	6	6	7	9
20	6	6	6	8	8
21	5	6	6	8	8
22	5	6	6	8	8
23	5	7	6	8	8
24	5	7	6	8	8
25	5	7	6	8	8
26	5	7	7	8	8
27	5	7	7	8	8
28	5	7	7	8	8
29	5	7	7	8	8
30	5	7	7	8	8
31	5	.	7	8	.
Mean	6	6	6	7	9
Max.	6	7	7	8	10
Min.	5	5	6	7	8
A.F.	340	370	390	450	520

Water diverted 2070 A. F.

Note: See Summary on page 678.

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SHERIDAN-WILSON DIVERSION

Summary in Acre-feet—1948

Diverted from:—	May	June	July	Aug.	Sept.	Total
North Platte River.....	410	30	340	130	20	930
Sarben Slough.....	340	370	390	450	520	2070
Total.....	750	400	730	580	540	3000

Water diverted 3000 A. F. Acreage reported D-710 918

SHORT LINE DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	16	6	7	18
2	0	13	5	10	25
3	0	12	5	19	18
4	0	11	12	21	10
5	0	19	17	22	16
6	0	18	1	29	22
7	0	13	8	23	21
8	0	12	29	10	23
9	0	9	19	25	29
10	0	9	20	8	28
11	0	11	18	16	29
12	0	10	20	7	28
13	0	11	22	12	26
14	0	15	20	14	20
15	0	10	0	14	2
16	0	19	0	10	2
17	0	31	0	8	4
18	0	24	0	13	4
19	0	23	0	14	3
20	26	0	0	14	3
21	27	0	0	11	2
22	25	0	0	7	6
23	14	0	0	6	12
24	27	0	0	8	9
25	18	0	0	10	11
26	25	0	0	10	10
27	22	0	0	10	7
28	18	0	0	9	4
29	14	0	0	18	19
30	20	6	5	7	24
31	15	.	7	13	.
Mean	8	10	7	13	11
Max.	27	31	29	29	29
Min.	0	0	0	6	2
A.F.	500	580	420	800	640

Water diverted 2940 A. F. Acreage reported D-946 2803

SIX MILE DIVERSION
From Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	11	4	0	7
2	0	12	8	4	8
3	0	11	8	0	7
4	0	11	8	0	7
5	0	12	8	0	8
6	0	12	8	0	8
7	1	14	8	0	8
8	7	14	8	0	11
9	7	14	8	0	10
10	8	0	5	0	9
11	8	6	0	0	8
12	8	8	0	0	8
13	10	0	4	0	8
14	9	0	8	0	7
15	8	0	8	0	7
16	9	0	8	0	7
17	8	0	8	0	7
18	6	0	8	0	7
19	6	0	8	5	7
20	6	0	8	9	7
21	10	20	8	10	7
22	10	14	8	11	7
23	12	0	8	10	7
24	10	0	8	10	8
25	8	0	8	10	8
26	10	0	8	12	9
27	10	0	8	9	8
28	11	0	14	3	8
29	12	0	10	4	8
30	16	0	4	4	8
31	13	.	0	8	.
Mean	7	5	7	4	8
Max.	16	20	14	12	11
Min.	0	0	0	0	7
A.F.	450	320	430	220	460

Water diverted 1880 A. F. Acreage reported D-680 1173

SPOHN DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	0	0	8	2	0
2	0	0	5	20	0
3	0	0	5	20	0
4	0	0	4	20	0
5	0	0	4	12	0
6	0	7	4	12	0
7	0	7	4	12	0
8	0	7	4	14	0
9	0	0	3	13	0
10	0	0	1	13	0
11	0	0	1	2	0
12	0	0	1	1	0
13	0	0	1	1	0
14	0	0	2	0	0
15	0	8	2	0	0
16	0	2	3	0	0
17	0	3	20	0	0
18	0	3	20	0	0
19	0	3	20	0	0
20	0	3	11	0	0
21	0	23	9	0	0
22	0	23	9	0	0
23	0	23	9	0	0
24	0	23	7	0	0
25	0	23	7	0	0
26	0	23	5	0	0
27	0	23	4	0	0
28	0	23	4	0	0
29	0	23	3	0	0
30	0	8	1	0	0
31	0	1	1	0	0
Mean	0	8	6	5	0
Max.	0	23	20	20	0
Min.	0	0	1	0	0
A.F.	0	470	360	280	0

Water diverted 1110 A. F. Acreage reported
 D-601 1166
 D-803R 188
 Total 1354

SUBURBAN DIVERSION
From North Platte River—1948

Day	May	June	July	Aug.	Sept.
1	2	10	49	77	94
2	8	10	43	76	96
3	60	54	43	53	104
4	48	120	64	22	100
5	45	121	57	22	88
6	54	126	50	15	101
7	48	132	54	8	67
8	50	132	61	18	52
9	45	135	66	35	50
10	40	140	67	44	41
11	52	109	68	86	41
12	78	87	68	93	40
13	67	52	68	98	51
14	45	54	66	78	84
15	43	33	66	67	80
16	73	28	67	70	63
17	68	30	67	76	69
18	70	50	70	81	99
19	68	61	72	96	96
20	60	72	83	95	76
21	73	44	98	105	87
22	92	28	112	102	74
23	78	31	116	104	49
24	31	30	116	106	47
25	0	32	122	115	47
26	0	33	132	124	49
27	24	35	129	101	52
28	76	35	107	85	51
29	114	45	89	78	55
30	49	49	87	78	55
31	6	2	82	88	58
Mean	51	64	79	74	66
Max.	114	140	132	124	104
Min.	0	10	43	8	40
A.F.	3110	3800	4840	4550	4080

Water diverted 20350 A. F. Acreage reported
 D-662 6721
 Note: Poor record May 1 to July 21.

SUTHERLAND DIVERSION
From North Platte River—Sec. 2-14-38—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1400	956	715	523	248	215	141	197	1402	634	1698	1604
2	1400	956	715	523	248	149	142	206	1402	641	1696	1590
3	1390	956	710	523	240	115	143	205	1393	637	1518	1532
4	1390	956	732	531	181	139	142	210	1386	630	1393	1628
5	1400	941	719	536	210	264	143	337	1377	634	1404	1628
6	1400	962	721	530	217	161	143	412	1373	652	1421	1642
7	1470	933	723	531	199	142	130	407	1329	761	1435	1642
8	1470	922	715	535	208	134	125	403	1320	769	1424	1626
9	1470	952	721	535	200	136	130	407	1322	772	1485	1604
10	1460	975	715	535	220	138	131	410	1320	774	1604	1615
11	1470	966	715	535	198	147	125	411	1320	797	1626	1481
12	1460	918	712	525	209	138	134	422	1318	800	1636	1516
13	1460	910	712	530	185	140	185	603	1318	805	1617	1638
14	1460	916	712	525	221	140	165	746	1318	914	1620	1599
15	1460	907	714	526	201	138	151	834	1309	1023	1599	1588
16	1460	899	714	523	240	145	154	888	1243	1119	1584	1604
17	1460	907	717	523	325	165	153	947	1219	1168	1608	1631
18	1460	907	717	521	448	165	153	970	1191	1184	1631	1558
19	1460	907	717	530	479	165	144	1080	1138	1184	1645	1647
20	1460	928	717	753	482	165	152	1200	1109	1187	1665	1631
21	1450	897	715	782	482	159	157	1320	1098	1210	1668	1571
22	1420	910	719	774	479	153	157	1460	985	1259	1647	1542
23	1320	910	717	782	470	155	156	1480	888	1292	1640	1503
24	1160	899	717	784	450	156	161	1500	812	1325	1668	1613
25	994	907	719	752	492	151	165	1500	780	1432	1656	1560
26	983	907	702	788	460	124	182	1510	652	1501	1622	1599
27	970	856	516	785	446	89	205	1490	619	1503	1610	1610
28	922	721	520	785	310	121	204	1500	625	1536	1597	1613
29	975	715	520	732	278	131	206	1460	625	1626	1590	1610
30	977	715	520	406	...	141	201	1380	630	1651	1592	1610
31	964	...	525	251	...	143	...	1400	...	1645	1599	...
Mean	1322	904	685	596	311	149	151	860	1127	1097	1581	1597
Max.	1470	975	732	785	482	264	206	1510	1402	1645	1668	1647
Min.	922	715	516	251	181	89	125	197	619	630	1393	1503
A.F.	81310	53770	42100	36670	17910	9170	9280	54140	67080	65580	97230	94980

Water diverted 629170 A. F.

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SUTHERLAND DIVERSION
From South Platte River—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	538	526	359	254	856	905	136	62	652	48	0
2	0	526	541	292	324	945	909	179	56	621	36	0
3	0	517	544	376	413	1006	912	203	44	628	0	0
4	0	514	498	640	498	984	902	185	57	618	0	0
5	0	506	514	761	552	963	894	224	124	562	0	0
6	0	500	495	832	508	927	902	376	146	488	0	0
7	0	498	503	880	17	821	902	544	175	432	0	0
8	0	495	483	909	0	832	884	670	224	364	0	0
9	35	488	498	863	0	761	894	664	195	303	0	0
10	98	495	495	677	0	818	898	631	148	224	0	0
11	95	503	459	612	0	547	880	559	115	175	0	0
12	98	514	434	559	0	384	742	483	90	148	0	0
13	101	541	432	471	0	424	523	413	77	136	0	0
14	100	573	475	410	0	621	544	336	67	118	0	0
15	104	583	573	473	0	706	784	258	70	234	0	0
16	108	591	570	389	113	709	845	193	62	236	0	0
17	108	594	558	315	315	631	804	158	84	205	0	0
18	108	606	588	327	424	670	670	134	107	195	0	0
19	115	603	618	283	483	773	541	122	230	177	0	0
20	137	603	621	280	376	880	429	102	392	173	0	0
21	96	570	624	339	498	852	251	82	405	205	0	0
22	45	469	618	498	549	860	263	69	405	214	0	0
23	242	407	612	558	509	860	228	66	442	181	0	0
24	296	374	609	523	263	880	197	74	562	157	0	0
25	372	526	603	609	469	880	175	63	735	144	0	0
26	429	600	584	588	612	912	157	63	793	122	0	0
27	442	591	594	410	696	923	118	60	794	92	0	0
28	464	526	594	272	778	902	72	57	856	74	0	0
29	529	520	600	247	818	902	107	58	768	65	0	0
30	559	520	594	232	...	916	98	73	690	56	0	0
31	553	...	421	222	...	898	...	66	...	51	0	0
Mean	169	530	545	491	327	808	581	236	299	260	3	0
Max.	559	606	624	909	818	1006	912	670	856	652	48	0
Min.	0	374	421	222	0	384	72	57	44	51	0	0
A.F.	10380	31530	33490	30160	18780	49680	34570	14480	17810	15970	170	0

Water diverted 257020 A. F.

SUTHERLAND POWER RETURN
To the River at North Platte—Sec. 9-13-30—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1067	1103	911	1054	317	742	796	798	743	832	977	1329
2	1053	1011	944	1299	136	964	705	676	1088	1010	856	1366
3	1062	1066	1080	1204	118	957	829	1078	1228	832	796	1303
4	937	1056	1084	1133	44	942	201	942	1242	669	815	1318
5	754	1029	1097	1127	167	1085	1075	1043	1151	992	943	1122
6	1162	948	1127	1006	138	1005	1030	933	735	1038	1163	1123
7	1203	778	911	986	62	903	788	755	1198	901	1059	1259
8	1184	956	1170	972	0	1171	773	613	1137	749	1098	1140
9	1142	563	1284	874	0	1158	778	640	1150	500	1130	1234
10	1162	790	1270	848	0	1078	835	1035	1147	426	1228	1185
11	1108	810	1195	694	52	1026	546	908	1194	345	1204	1293
12	730	766	1107	1103	78	995	1065	842	856	524	1193	1229
13	875	738	1094	1212	0	1057	926	726	919	713	1240	1402
14	937	793	832	1272	0	708	823	978	1019	730	1254	1326
15	891	621	989	1153	0	684	378	1012	1026	985	1155	1259
16	929	463	1094	1221	0	674	521	1086	959	965	1273	1254
17	927	871	1097	1215	72	729	681	1211	750	1072	1286	1236
18	835	996	1002	1007	129	794	441	1316	921	996	1358	1178
19	518	972	971	1221	361	938	818	1286	862	1027	1413	1316
20	598	1041	945	1178	974	786	760	1468	611	923	1431	1379
21	690	695	878	1166	818	675	725	1217	629	951	1328	1291
22	672	858	1212	1280	389	803	773	1112	445	1123	1299	1227
23	617	1110	1004	1278	852	1087	586	762	437	1254	1402	1069
24	428	1207	866	1165	845	1294	669	1065	675	1106	1403	1281
25	250	1231	646	887	471	1242	452	1108	607	1091	1400	1308
26	12	1053	727	1175	659	1255	682	1149	629	1209	1334	1239
27	379	683	836	1205	973	1182	620	1114	655	1232	1138	1278
28	445	947	689	1163	641	794	671	1127	691	1218	1068	1195
29	550	902	842	366	409	989	738	1095	635	378	964	1140
30	924	625	1207	538	...	735	812	640	712	732	1352	1063
31	1028	...	1139	556	...	719	...	524	...	1065	1494	...
Mean	511	889	1010	1050	300	941	733	976	868	890	1185	1245
Max.	1203	1231	1284	1299	978	1294	1075	1468	1242	1254	1494	1379
Min.	12	463	646	366	0	674	201	524	437	345	796	1063
A.F.	49850	52920	62080	64580	17280	57860	43630	60020	51670	54720	73500	74070

Water returned 862180 A. F.

BUREAU OF IRRIGATION

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SUTHERLAND RESERVOIR SYSTEM

Storage in Sutherland, Regulator, and Forebay Reservoirs, Combined
Total Live Storage in Acre-feet—Sec. 2-14-33—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30365	48933	66535	65273	56735	61064	51044	39873	34134	50247	51764	48031
2	30566	49151	66258	63558	57213	61198	51229	38783	34325	49313	52669	47758
3	30123	49341	65912	62252	57513	61017	51410	36857	34117	49722	53487	47485
4	30689	49531	65839	61769	58346	61427	52176	35462	33819	49940	53906	47649
5	31132	49750	65983	61725	58573	60545	51714	33756	33695	49504	53777	47731
6	30920	50187	65456	62202	59494	60545	52095	32967	34848	48960	53462	47758
7	30729	51024	65367	62516	60094	60121	52292	33034	34942	48794	53173	47758
8	30951	51357	65418	63684	60587	59238	52325	33161	35162	48550	53367	48302
9	30803	52882	64576	64417	60727	58339	52309	34102	35015	49189	52209	48208
10	30817	54355	63409	64888	60192	57274	52792	33281	35015	50149	51796	48190
11	30874	55173	62756	65334	59475	55884	53008	32922	35301	50710	51658	48342
12	31817	55360	61138	64823	59637	54501	52221	32646	35593	50453	51854	48044
13	32402	57169	62698	63728	59153	52955	51820	32436	36034	50225	51745	47663
14	32739	57835	61851	62351	58900	53050	50963	32077	36225	50247	51715	47425
15	33383	58906	62279	61842	58582	52152	50625	32077	36466	49635	51917	47578
16	34400	59857	61914	60545	58432	54026	51213	31524	36928	49696	51507	47469
17	35162	59954	61806	59097	58503	53903	51022	30504	37589	49181	51455	47555
18	36667	60031	62945	58846	62585	53556	51633	29388	38024	48576	50787	47766
19	37970	60796	63679	57563	60399	53352	50799	28355	38304	48195	50268	47184
20	39441	61189	63832	56762	59884	53756	50297	27826	39828	48385	49940	46928
21	40773	62527	64489	56277	59893	54054	49615	27400	41201	48348	49804	46754
22	41867	62511	64886	55861	60117	54186	48475	27864	42899	49559	49777	46652
23	42908	63209	64773	55501	59768	53879	47923	28616	43875	47704	49149	46674
24	44843	62406	65139	55611	59135	52677	46942	29051	44749	47704	48822	46827
25	45705	62297	66156	56276	59482	52049	46534	29345	45760	47287	48305	46827
26	47522	62813	66478	55995	59735	50846	45596	29474	46897	47022	48686	46576
27	47008	63979	67537	55881	59552	50496	44720	29935	48023	47028	48523	46601
28	47418	64163	67255	55084	49730	50560	43521	30080	48857	47321	48740	46652
29	48442	64746	67660	57099	61034	50525	42229	30591	49549	48277	49551	46831
30	48250	65768	67132	56986	.....	50496	40894	31954	50182	51065	48854	47269
31	49015	.....	66164	56618	.....	50800	.....	33436	.....	51001	48358	.....

THIRTY MILE DIVERSION

From Platte River and Sutherland Reservoir—1948

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	80	107	0	95	45	14	179
2	83	112	0	116	49	0	172
3	80	118	0	109	54	11	155
4	86	113	124	104	50	40	146
5	85	100	68	99	75	61	135
6	108	100	66	94	79	64	148
7	124	43	68	98	77	58	132
8	123	0	67	95	68	60	114
9	122	0	50	99	66	94	97
10	125	0	78	132	57	80	99
11	126	0	109	132	65	90	83
12	129	0	88	78	73	88	91
13	128	0	90	57	79	85	109
14	125	0	102	55	80	64	96
15	122	0	103	53	77	62	90
16	120	0	106	52	76	71	93
17	120	0	139	57	92	99	91
18	120	0	182	72	84	99	89
19	125	0	221	80	91	111	88
20	125	0	237	73	103	114	90
21	126	0	287	58	114	115	122
22	126	0	174	17	151	122	122
23	125	0	28	17	158	161	126
24	127	0	25	16	154	208	91
25	127	0	23	16	163	227	113
26	128	0	57	0	200	250	109
27	131	0	107	16	227	255	107
28	131	0	103	16	242	228	110
29	130	0	104	16	32	222	109
30	130	0	102	16	16	201	106
31	113	.....	94	.....	19	190	.....
Mean	118	23	95	65	94	114	114
Max.	131	118	237	132	242	255	179
Min.	80	0	0	0	16	0	83
A. F.	7240	1370	5140	3840	5780	7030	6770
Water diverted				Acreage reported			
37170 A. F.				A-1853 19243			
				A-1976 3635			
				A-2077 320			

Total 23198

REPORT OF THE STATE ENGINEER

TRI-COUNTY DIVERSION
From Platte River—Sec. 8-13-29 W.—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1250	1580	1310	1290	1110	1890	1870	1920	1750	1260	1970	2020
2	1450	1580	1450	1760	750	1870	1830	2010	1750	1490	1990	2060
3	1610	1680	1570	1730	870	1840	1830	2020	1820	1350	2050	2060
4	1480	1710	1290	1700	1030	1670	1520	1960	1890	1160	2000	2030
5	1260	1630	1210	1750	1100	1230	1840	1960	1870	1500	1960	2020
6	1700	1630	1250	1600	1150	1320	1910	1950	1490	1780	1940	2070
7	1750	1260	1270	1570	1360	1300	1900	1940	1610	1710	1920	2060
8	1740	1560	1310	1590	1200	1380	1730	1860	1680	1840	1870	2020
9	1730	1340	1490	1510	1570	1420	1760	1920	1590	2110	1940	2050
10	1700	1310	1480	1320	1730	1310	1730	2030	1510	2060	1910	2040
11	1650	1590	1420	1260	1500	1170	1500	2000	1620	1820	1960	2010
12	1360	1380	1400	1570	1460	1250	1790	2000	1920	1710	2020	1960
13	1330	1360	1440	1410	1420	1390	1840	1900	1770	1850	1980	1970
14	1430	1340	1440	1610	1680	1500	1830	1970	1690	1900	2000	2000
15	1460	1200	1500	1680	1740	1810	1980	1830	1710	1990	2000	2010
16	1480	878	1530	1460	1740	1920	1900	1690	1660	1990	1950	1940
17	1470	1360	1560	1410	1780	2000	2040	1710	1410	1940	1940	1800
18	1380	1480	1590	1420	1730	2050	2030	1730	1570	2050	1880	1680
19	1240	1470	1490	1510	1780	1850	2030	1610	1480	1980	1950	1850
20	1050	1690	1560	1660	1940	1230	2020	1700	1400	1920	1940	1890
21	1220	1460	1420	1710	1370	1620	1950	1660	1520	1780	1890	1750
22	1150	1220	1750	1750	1170	1690	2000	1690	1400	1870	1660	1500
23	1280	1450	1590	1240	1900	1920	2000	1670	1280	1940	2010	1250
24	1200	1400	1490	1100	1990	1990	2040	1720	1400	1960	1940	1740
25	1030	1800	1290	1170	2060	2000	2020	1560	1400	1960	1950	1810
26	831	1780	1260	1230	1730	1950	2070	1560	1360	2020	2060	1760
27	999	1390	1380	1120	1620	1900	2010	1410	1380	1810	2040	1760
28	1090	1360	1320	1110	1970	1980	1990	1410	1330	1970	2030	1750
29	1200	1400	1300	1160	1770	2020	1860	1550	1240	1960	2040	1670
30	1410	1310	1620	1320	....	1870	1960	1710	1210	2020	2050	1620
31	1640	....	1480	1130	....	1900	....	1900	....	2020	2040	....
Mean	1372	1451	1432	1447	1525	1685	1893	1792	1557	1830	1964	1873
Max.	1750	1800	1750	1760	2060	2050	2070	2030	1920	2110	2060	2070
Min.	831	878	1210	1100	750	1170	1500	1410	1210	1160	1660	1280
A.F.	84400	86360	83070	88960	87710	103620	112620	110180	92650	112500	120750	111430

Acreage reported
 A-2354 Natural Flow for Power
 A-2355 Natural Flow for 164117
 A-3476 Storage for 172064
 A-3620 Storage for 3119
 A-3823 Storage for 3263

TRI-COUNTY CANAL, JEFFREY POWER RETURN
To Platte River—Sec. 36-12-27—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	30	0	0	0	0	0	0	185	19	0	136
2	0	46	0	0	0	0	67	0	282	54	0	99
3	60	55	0	0	0	0	0	0	302	81	0	69
4	122	22	0	0	0	0	0	0	252	123	0	45
5	125	0	0	0	0	0	0	0	252	171	0	21
6	132	0	0	0	0	0	0	0	282	268	64	22
7	123	0	0	0	0	0	0	0	352	370	53	36
8	123	0	0	0	0	0	0	0	372	430	52	22
9	125	0	0	0	0	0	0	29	482	336	286	22
10	119	0	0	0	0	0	0	105	528	184	448	22
11	117	0	0	0	0	0	0	76	525	175	478	28
12	113	0	0	0	0	0	0	42	246	308	475	76
13	126	0	0	0	0	0	0	105	139	495	428	210
14	121	0	0	0	0	0	0	342	143	528	330	209
15	95	0	0	0	0	0	0	316	139	541	222	209
16	84	0	0	0	0	0	0	318	139	376	164	209
17	82	0	0	0	0	0	0	400	137	155	370	210
18	77	0	0	0	0	0	0	475	226	101	488	209
19	75	0	0	0	0	0	0	525	274	153	608	209
20	79	0	0	0	0	0	0	619	230	310	630	210
21	87	0	0	0	0	0	0	633	97	385	657	210
22	81	0	0	0	0	0	0	485	0	620	678	209
23	77	0	0	87	0	0	0	482	0	522	723	72
24	79	0	0	68	0	0	0	465	0	530	734	54
25	77	0	0	0	0	0	0	482	0	584	678	201
26	75	0	0	0	0	0	0	505	0	687	692	199
27	77	0	0	0	0	0	0	508	0	641	388	199
28	77	0	0	10	0	0	0	512	0	385	21	199
29	78	0	0	0	0	0	0	528	0	0	20	197
30	72	0	0	0	0	0	0	380	0	0	190	196
31	43	0	0	0	0	0	0	218	0	0	194	....
Mean	88	5	0	6	0	0	2	275	186	305	325	134
Max.	132	46	0	87	0	0	67	633	528	687	734	210
Min.	0	0	0	0	0	0	0	0	0	0	0	21
A.F.	5400	300	0	330	0	0	130	16900	11080	18770	19970	7950

Water returned 80830 A. F.

BUREAU OF IRRIGATION

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TRI-COUNTY CANAL, JOHNSON POWER RETURN

To Platte River—Sec. 2-8-21—1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1109	773	1170	1414	641	1476	1659	943	69	1036	87	584
2	959	124	1269	1330	1192	1616	1628	403	81	1013	228	145
3	994	868	1427	1312	1296	1680	1653	952	322	473	687	413
4	96	952	1503	954	1319	1534	1403	1118	289	46	734	472
5	48	611	1477	1218	1085	1552	1604	1065	69	39	885	102
6	251	662	1311	1044	1074	1510	1642	1135	72	537	911	88
7	239	518	1080	934	734	1332	1663	908	440	535	717	230
8	243	616	1402	757	157	1516	1643	469	433	266	268	267
9	247	366	1457	1005	417	1545	1671	315	310	108	500	381
10	247	1054	1428	1250	448	1505	1541	1142	263	148	475	312
11	297	725	1462	1098	441	1459	1091	1101	264	187	560	559
12	849	976	1390	1307	771	1412	1487	729	64	517	373	357
13	953	927	1400	1282	502	1298	1512	856	16	434	444	479
14	1208	1131	617	1342	335	864	1492	1113	64	167	501	656
15	1273	718	877	1374	416	1294	1480	637	59	170	346	539
16	1206	358	1052	1428	1149	1395	1536	336	62	191	522	681
17	1220	682	798	1337	995	1361	1463	1058	59	103	557	695
18	1016	863	707	1199	1287	1857	704	1087	62	112	409	793
19	589	887	701	1448	1468	1552	1330	1098	61	159	712	620
20	1089	1011	777	1291	1591	1330	1437	1096	76	156	691	810
21	1225	986	571	1379	1670	1269	1365	1035	72	277	442	594
22	1209	1026	1067	1191	1310	1582	1246	780	717	315	307	746
23	1278	1174	1164	1390	1600	1324	1011	137	905	266	758	523
24	1122	1356	933	1289	1564	1150	679	827	934	265	582	312
25	1154	1375	552	919	1369	1275	250	767	966	340	375	188
26	961	1134	962	1354	1528	1134	690	542	777	461	497	241
27	1056	235	944	1373	1679	1033	615	530	304	301	326	150
28	1076	693	751	1451	1265	440	688	438	1148	509	264	361
29	1019	1035	982	1297	1106	1117	675	122	1051	125	102	569
30	1161	603	1302	1042	....	1478	76	960	105	757	896	
31	904	....	1471	966	....	1567	....	70	....	191	517	....
Mean	848	815	1095	1224	1048	1371	1253	735	366	308	501	459
Max.	1278	1375	1503	1448	1679	1857	1671	1142	1148	1036	911	896
Min.	48	124	552	757	157	440	250	70	16	39	87	88
A.F.	52170	48470	67330	75330	60320	84280	74580	45390	21760	18950	30810	27300

Water returned 606690 A. F.

TRI-STATE FOR FARMERS IRRIGATION DISTRICT AND PREFERRED RIGHTS

From North Platte River and Pathfinder
Reservoir—Sec. 10-23-58—1948

Day	Oct.	May	June	July	Aug.	Sept.
1	306	244	672	161	869	833
2	158	250	631	134	868	829
3	150	250	705	560	888	832
4	0	256	709	545	852	834
5	0	258	708	616	860	832
6	0	258	780	693	855	822
7	0	256	737	815	783	783
8	0	247	661	906	690	727
9	0	256	706	937	613	687
10	0	237	790	945	604	697
11	0	372	853	950	694	700
12	0	372	864	941	752	742
13	0	359	860	843	802	741
14	0	310	827	670	816	650
15	0	246	796	492	811	608
16	0	304	635	625	805	610
17	0	376	398	678	802	599
18	0	404	218	573	846	596
19	0	632	250	644	866	534
20	0	726	247	669	835	516
21	0	770	261	748	895	612
22	0	731	238	839	916	588
23	0	756	178	876	900	415
24	0	592	166	886	869	433
25	0	617	185	901	873	385
26	0	614	191	892	885	322
27	0	350	191	898	884	301
28	0	270	190	857	879	315
29	0	388	190	897	869	258
30	0	461	180	898	858	73
31	0	638	....	877	842	....
Mean	20	417	501	742	828	601
Max.	306	781	864	950	916	846
Min.	0	244	166	134	604	73
A.F.	1220	25650	29790	45630	50900	35750

Water diverted 188940 A. F.

Note: See Summary on page 684.

REPORT OF THE STATE ENGINEER

TRI-STATE DIVERSION
For Farmers Irrigation District and Preferred Rights
Summary in Acre-feet—1948

Diverted from:—	Oct.	May	June	July	Aug.	Sept.	Total
North Platte River....	1220	25650	29790	45630	50900	35750	188940
Optional diversions (Est.)							7250
Total diversion							<u>196190</u>
Acreage reported							
D-918	58779						
A-860	2913						
O.D.	2100						
Total	63792						

UNION DIVERSION
From Blue Creek and Crescent Lake—1948

Day	Oct.	May	June	July	Aug.	Sept.
1	6	0	15	0	9	20
2	6	0	14	0	9	20
3	6	0	13	0	1	20
4	6	0	15	0	1	17
5	4	0	15	6	1	11
6	4	0	15	6	1	10
7	4	0	14	6	0	6
8	3	0	13	0	0	5
9	0	0	13	0	0	4
10	0	0	12	1	1	7
11	0	0	12	3	3	7
12	0	0	12	3	4	6
13	0	0	10	3	11	4
14	5	0	7	3	19	4
15	7	0	0	2	18	6
16	7	0	0	0	19	7
17	10	0	0	0	19	6
18	11	8	0	0	12	8
19	10	23	0	0	8	10
20	12	24	0	0	10	11
21	12	27	0	5	10	12
22	13	21	0	6	11	11
23	12	27	0	10	13	1
24	14	25	0	10	13	0
25	15	26	0	12	13	0
26	9	24	0	12	15	0
27	7	22	0	9	17	0
28	5	12	0	6	14	1
29	5	8	0	6	15	4
30	3	7	0	10	19	8
31	3	10	.	10	19	.
Mean	6	9	6	4	10	8
Max.	15	27	15	12	19	20
Min.	0	0	0	0	0	0
A.F.	390	520	360	260	600	450
Water diverted						
2580 A. F.						
				Acreage reported		
				D-763		1233

REPORT OF THE STATE ENGINEER

WINTERS CREEK DIVERSION
From North Platte River
Sec. 17-22-55—1948

Day	Apr.	May	June	July	Aug.	Sept.
1	0	7	0	0	30	32
2	0	7	0	10	34	30
3	0	8	0	9	30	18
4	0	6	1	9	23	17
5	0	6	3	9	22	15
6	0	11	4	12	33	13
7	0	10	5	11	28	17
8	0	10	6	11	24	18
9	0	8	8	12	23	14
10	0	8	16	12	23	13
11	0	8	20	13	20	14
12	0	8	21	11	18	15
13	0	7	24	10	16	15
14	0	14	25	10	20	15
15	0	15	26	10	23	19
16	0	11	22	6	22	27
17	0	15	9	8	31	29
18	0	15	5	8	32	29
19	6	18	0	8	32	26
20	1	22	0	8	33	26
21	2	34	0	13	30	26
22	2	48	0	11	30	28
23	2	90	0	15	31	19
24	3	41	0	16	33	11
25	2	15	0	34	37	10
26	2	15	0	23	26	8
27	1	13	0	27	20	7
28	2	4	0	29	29	10
29	3	0	0	19	32	10
30	3	0	0	19	32	8
31	0	0	0	20	31	.
Mean	1	15	6	13	27	18
Max.	6	90	26	34	37	32
Min.	0	0	0	0	16	7
A.F.	60	940	390	820	1680	1070

Water diverted 4960 A. F.

WINTERS CREEK DIVERSION
From Winters Creek
Sec. 19-22-54—1948

Day	May	June	July	Aug.	Sept.
1	31	0	20	38	47
2	25	0	22	42	42
3	29	40	26	50	42
4	45	32	30	44	43
5	43	32	32	39	40
6	46	34	31	37	40
7	36	37	20	41	40
8	30	43	27	40	29
9	32	44	49	41	29
10	23	48	34	40	33
11	26	41	7	42	32
12	33	41	0	41	30
13	29	43	0	43	31
14	27	43	0	43	38
15	21	41	0	46	33
16	29	36	0	46	33
17	28	15	0	43	29
18	34	0	0	44	32
19	42	0	0	44	29
20	41	0	16	44	29
21	41	0	40	48	29
22	24	0	46	48	29
23	29	0	48	49	29
24	18	0	43	43	29
25	7	0	46	51	27
26	0	0	44	56	26
27	0	0	41	55	26
28	0	0	46	48	21
29	1	0	40	49	20
30	1	0	35	43	17
31	0	0	33	45	.
Mean	25	19	25	45	32
Max.	46	43	49	56	47
Min.	0	0	0	37	17
A.F.	1540	1130	1550	2750	1890

Water diverted 8860 A. F.

WINTERS CREEK LATERAL
From Winters Creek
Sec. 19-22-54—1948

Day	May	June	July	Aug.	Sept.
1	0	5	5	8	4
2	14	5	5	9	4
3	14	3	0	9	4
4	15	2	0	8	2
5	15	0	0	8	11
6	14	0	3	9	10
7	11	0	8	11	5
8	11	5	13	7	14
9	6	7	13	7	13
10	0	9	10	9	0
11	0	4	6	14	0
12	0	4	12	14	0
13	4	4	11	13	0
14	4	3	0	14	10
15	3	5	0	14	5
16	3	3	0	13	5
17	0	0	0	12	11
18	3	0	0	12	10
19	3	0	0	11	0
20	4	0	5	16	7
21	6	0	12	15	10
22	11	0	13	11	10
23	4	0	11	11	10
24	0	0	6	6	10
25	0	0	7	6	5
26	0	0	14	8	5
27	0	0	17	16	0
28	3	0	14	18	0
29	0	3	12	3	0
30	0	0	12	3	0
31	3	0	11	3	.
Mean	4	2	7	10	6
Max.	15	9	17	18	14
Min.	0	0	0	3	0
A.F.	300	120	440	630	330

Water diverted 1820 A. F.

Note: See Summary on page 687.

BUREAU OF IRRIGATION

687

WINTERS CREEK DIVERSION
 Summary in Acre-feet--1948

Diverted from:—	Apr.	May	June	July	Aug.	Sept.	Total
North Platte River.....	60	940	390	820	1680	1070	4960
Winters Creek:—							
Main Canal.....	0	1540	1130	1550	2750	1890	8860
Factory Lateral.....	0	300	120	440	630	330	1820
Total from Winters Creek.....	0	1840	1250	1990	3380	2220	10680
Total diverted.....	60	2780	1640	2810	5060	3290	15640

Water diverted 15640 A. F.

Acreage reported D-952 5748

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(Also, refer to Hydrographical Index, page 700)

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Lonergan Creek—Lemoyne	299	340
Long Pine Creek—Riverview	249	571
Lost Creek—Oshkosh	300	341
Loup River:				
Columbus	250	...	523	572
Genoa	250	...	523	572
Loup River, Middle:				
Arcadia	252	...	525	574
Dunning	251	...	524	573
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Scotia	254	527	576
St. Paul	254	527	577
Taylor	253	526	576
Loup River, South:					
Callaway	342
Cumro	255	528	577
Ravenna	255	528	578
St. Michael	256	529	578
Lubeck Pump—Sappa Creek	433
Lundy Power Canal—Middle Loup River		383
Lyngholm Canal—Lodgepole Creek		383	433
Lyons Canal—North Platte River	629	668

M

McAuliffe Canals—Lodgepole Creek		383	433	...	...
McCarthy Canal—White Tail Creek		383	433	...	668
McCarthy Pump—Sappa Creek			433	...	...
McDonald Canal—Republican River		384	434	...	...
McGinley-Stover Canals—Niobrara River		384	434	...	...
McGraw Canal—Victoria Creek		384	434	...	...
McIntosh Canal—Lodgepole Creek		384	435	629	668
McLaughlin Canal—Lodgepole Creek		385	435	...	...
McLaughlin Canal—Niobrara River		385	435	...	...
McMillan Canal—Middle Loup River		385	435	...	...
Mace Canal—West Ash Creek		385	435	...	...
Maltese Cross Canal—Lodgepole Creek			436	...	...
Maranville Canal—Frenchman River		385	436	...	...
Medicine Creek—Cambridge	257	...	...	...	579
Medicine Creek—Curtis .....		...	343	...	...
Meeker Canal—Republican		385	436	...	...
Melbeta Drain—Melbeta		300	343	530	579
Meredith-Ammer Canal—Pumpkinseed Creek .....			...	629	668
Messenger Creek—Sumpter		300	...	...	...
Mettlen Canal—Niobrara River		385	436	...	...

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1947	1948	1947	1948
Middle Loup Public Power and Irrigation District:					
Canal No. 1—Middle Loup River				630	669
Canal No. 2—Middle Loup River				630	669
Canal No. 3—Middle Loup River				630	669
Canal No. 4—Middle Loup River				630	669
Midland-Overland Canal—North Platte River				631	670
Miller Canal—Hat Creek			436		
Minatare Canal—North Platte River				631	670
Minnechaduzza Creek—Crookston		300			
Minnechaduzza Creek—Valentine	257	300			580
Minshull-Kohls Pump—Mud (Beaver) Creek		386			
Mira Creek:					
North Loup		300	343		
Sec. 27-18-13			343		
Mirage Flats Canal—Niobrara River and Box Butte Reservoir					
	260	386			671
Mitchell Canal—Lodgepole Creek			437		
Mitchell Canal—North Platte River				632	671
Mitchell Pump—Muddy Creek			437		
Monroe Canal—Monroe Creek		386	437		
Monroe Creek—Various locations		301	343		
Montague Canal—Niobrara River		386	437		
Montgomery Canal—Sow Belly Creek			438		
Moon Creek—Loup City		301			
Moore Canal—Niobrara River		386	438		
Mud Creek—Sweetwater	257		344	530	580
Mulloy Canal—Lower Dugout Creek		387			
Munson Creek—Elba		301	344		
Mutual Canal—Pumpkinseed Canal		387	438		
N					
Naab Pump—North Loup River		387			
Nashland Canal—Lodgepole Creek		387	438		
Nelson Pump—Curtis Creek			438		
Nelson-Radcliffe Canal—Cedar Creek		387	439		
Nemaha River—Falls City	258			531	581
Neuman Canals—Lodgepole Creek		387	439		
New York Creek—Herman	259			531	581
Newton Canal—North Loup River		388	439		
Niehus Canal—Lawrence Fork		388	439		
Nine Mile Canal—North Platte River				632	671
Nine Mile Drain—McGrew	259			532	582

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1947	1948	1947	1948
Niobrara River:					
Agate	...	302	345	...	...
Box Butte Reservoir, Above	260	303	...	532	582
Box Butte Reservoir, Below	260	303	...	533	583
Cody	261	...	...	...	584
Colclessor Mill	260	...	345	534	583
Gordon	261	...	...	533	584
Harrison	...	302	344	...	...
Marsland	...	302	345	...	...
Potmeisel Dam—Sec. 26-29-48	...	303	345	...	...
Rushville	...	303	345	...	...
Sec. 1-28-54	...	302	...	...	...
Sec. 5-28-51	...	...	346	...	...
Sparks	261	...	...	535	585
Spencer	262	...	...	534	585
Whistle Creek, Below Mouth	...	302	345	...	...
Wyoming-Nebraska State Line	...	301	344	...	...
Noreisch Canal—Monroe Creek	...	388	...	...	...
Norman Canal—Indian Creek	...	...	439	...	...
North Loup River Public Power and Irriga- tion District:					
Burwell-Sumpter Canal—North Loup River	...	...	...	632	672
Ord-North Loup Canal—North Loup River	...	...	...	632	672
Taylor-Ord Canal—North Loup River	...	...	...	633	672
North Platte Canal—North Platte River	...	...	...	634	671
North Platte River—See Platte Rivers	...	...	...	...	...
Northport Canal—Drains	...	...	...	634	673
Northport Canal—North Platte River and Pathfinder Reservoir	...	...	...	634	673
Northport Canal—Drains	...	...	...	634	673
North Pump—White Clay Creek	...	...	439	...	...
Nutzman Pump—Stinking Water Creek	...	...	439	...	...
O					
Oak Creek—Dannebrog	...	303	...	...	...
Oberfelder Canals—Lodgepole Creek	...	388	440	...	...
O'Donnell Canal—Big Bordeaux Creek	...	...	440	...	...
Oliver Brothers Canal—Frenchman River	...	...	440	...	...
Oliver Reservoir—Lodgepole Creek	...	...	...	635	675
Omaha Creek—Homer	262	...	...	535	586

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1947	1948	1947	1948
Orchard-Alfalfa Canal—Platte River				636	674
Ord-North Loup Canal—North Loup River				632	672
Oshkosh Canal—North Platte River				636	674
Otter Creek—Lemoyne		303	346		
Owasco Canal (Bay State Lateral)—Lodge- pole Creek		388	441	636	675
Oxyoke Canal—Ash Creek		389			

P

Paisley Canal—Blue Creek and Crescent Lake				637	675
Pathfinder Reservoir	223			461	477
Pawnee Creek—Brady		304	346		
Paxton-Hershey Canal—North Platte River				638	676
Peetz Dump—Lodgepole Creek			441		
Persinger Canal—Lodgepole Creek		389	441		
Peters Canal—Pumpkinseed Creek		389	441		
Peterson Canal—Lodgepole Creek		389	442		
Phelps County Canal—Platte River and Kingsley Reservoir		390		637	676
Pine Creek—Colclesser Mill, Sec. 33-30-44		304	346		
Pioneer Canals—Niobrara River		390	442		
Platte Rivers:					
Platte River, North:					
Alcova Reservoir					
Outflow	223			462	478
Storage				462	478
Bridgeport	225			466	482
Gering Channel Spill					481
Guernsey Reservoir					
Inflow	223			463	479
Outflow				464	480
Storage				463	479
Keystone	227			468	484
Kingsley Reservoir Storage				625	664
Lewellen	227			468	484
Lisco	226			467	483
Minatare	224			466	482
Mitchell	224			465	481
North Platte	228			469	485
Oshkosh	226			467	483
Pathfinder Reservoir Storage	223			461	477
Seminole Reservoir Storage				461	477

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1947	1948	1947	1948
Platte Rivers: Continued					
Sutherland	228	...	...	469	485
Tri-State Dam, Below .....	...	...	...	465	481
Wyoming-Nebraska Line	224	...	...	464	480
Platte River, South:					
Julesburg—1946—Page 470	229	...	...	470	....
North Platte	230	...	...	471	486
Paxton	229	...	...	471	486
Platte River:					
Ashland	233	...	...	475	490
Brady	230	...	...	472	487
Cozad	231	...	...	472	487
Duncan	233	...	...	473	489
Grand Island	232	...	...	473	489
Odessa	232	...	...	473	488
Overton	231	...	...	473	488
Plunkett Canals—Reservoir—Prairie Dog Creek					
	...	390	442	...	...
Plum Creek:					
Meadville	263	...	...	...	586
Smithfield	263	...	...	536	587
Potmesil Canal—Niobrara River .....	...	390	442	...	...
Prairie Dog Creek—Various locations .....	...	304	346	...	...
Woodruff, Kansas	263	...	...	536	587
Premier Canal—Lodgepole Creek .....	...	391	443	...	...
Pumpkinseed Creek:					
Bridgeport	264	537	588
Various locations	304	347

Q

Quinn Canal—Pumpkinseed Creek	391	443
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R

Radcliffe Canals—Cedar Creek	443
Ralton Canal—Lodgepole Creek	391	443
Ralton System Canals—Lodgepole Creek	391
Ramshorn Canal—North Platte River .....	...	...	...	638	677
Randall Canal—Lawrence Fork .....	...	391	443	...	...
Rankin Canal—Middle Loup River .....	...	391	444	...	...
Rasher-Forbes Canal—White River .....	...	...	444	...	...
Rasher Canal—White River .....	...	...	444	...	...
Rasser Canal—Elm Creek .....	...	...	444	...	...

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1947	1948	1947	1948
Red Creek, Little—Sec. 26-33-56	...	305	347	...	...
Red Creek, Little—Sec. 34-33-56	...	305	347	...	...
Red Willow Creek:					
Bayard	264	...	...	537	588
McCook	265	305	347	538	...
Red Willow	265	...	...	538	589
Republican River:					
Benkelman	266	...	...	540	592
Bloomington	269	...	...	543	591
Cambridge	268	...	...	542	591
Colorado-Kansas Line	...	...	...	539	...
Colorado-Nebraska Line	266	...	...	...	...
Culbertson	268	...	...	542	590
Hardy	...	...	...	543	593
Max	...	306	...	...	...
McCook	...	...	347	...	...
Orleans	269	...	...	...	593
Trenton	267	...	...	541	592
Republican River, North Fork:					
Colorado-Kansas Line	...	305	...	...	...
Colorado-Nebraska Line	...	...	...	540	589
Republican River, South Fork:					
Benkelman	267	...	...	541	590
Colorado-Kansas Line	...	305	...	...	...
Hale, Colorado	...	306	...	539	...
Kansas-Nebraska Line	...	...	347	...	...
Riverside Canal—Frenchman River	...	391	444	...	...
Rock Creek—Parks	270	...	...	544	594
Rogers Canal—Soldiers Creek	...	392	...	...	...
Round House Rock Canal—Pumpkinseed Creek	...	392	444	...	...
Runge Canal No. 1—Lodgepole Creek	...	392	445	...	...
Runge Pump—Lodgepole Creek	...	...	445	...	...
Rush Creek Canal—North Platte River	...	392	445	...	...
Russel Canal—Blackwood Creek	...	...	445	...	...
Ruttner Canal—Lodgepole Creek	...	392	446	...	677
Ruttner Canal, New—Lodgepole Creek	...	392	446	...	...
S					
Salt Creek—Ashland	270	306	...	...	595
Sand Creek—Various locations	...	306	347	...	...
Sappa Valley Pump—Sappa Creek	...	...	466	...	...

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1947	1948	1947	1948
Sappa Creek:					
Beaver City	544	595
Stamford	271	...	...	545	594
Sarben Slough—Sarben	307	348	...	...
Schick Pump—Fox Creek	446	...	...
Schilt-Cedar Creek Canal—Cedar Creek....	...	393	447	...	...
Schilt-Monroe Canal—Monroe Creek.....	...	393	447	...	...
Schilt-Prairie Dog Canal—Prairie Dog Creek	393	447	...	...
Schmitz Canal—Driftwood Creek.....	447	...	...
Schnell Canal—Pumpkinseed Creek	393	447	...	...
Schnell Pump—Ground Water	393	...	...	...
Scott-Anderson Pump—Stinking Water.....	447	...	...
Scott Canal—Pumpkinseed Creek	393	448	...	...
Scottsbluff Drain No. 1—Sec. 25-22-55	307	348	...	...
Scottsbluff Drain No. 2—Sec. 34-22-54.....	...	307	348	...	...
Scout Creek—North Platte	308	349	...	...
Scripter Canal—Clear Creek	393	448	...	...
Seegrist Canals—Indian Creek	394	...	...	...
Seegrist Canal—Renfro Reservoir	394	...	...	...
Seminole Reservoir—Storage	461	477
Serres Canal No. 2—Serres Reservoir.....	448	...	...
Severns Pump—Frenchman River.....	448	...	...
Sheep Creek—Morril	271	...	...	545	596
Sheldon Canal—East Ash Creek	394	448	...	...
Sheldon Drain Ditch—Sec. 14-11-26	349	...	...
Shell Creek—Columbus	272	...	...	...	596
Shepherd Canal—Squaw Creek	394	448	...	...
Shepherd Creek—North Loup River	308	...	...	...
Shepherd Reservoir Canal—Shepherd Reser- voir	448	...	...
Sheridan-Wilson Canal—North Platte River	638	677
Sheridan-Wilson Canal—Sarben Slough	638	677
Short Line Canal—North Platte River.....	639	678
Shuppe Creeks—Sec. 3-23-58	308	...	...	...
Signal Bluff Canal—North Platte River	448	...	...
Silvernail Drain—Sec. 6-19-49	309	349	546	597
Simmons Canal—Little Cottonwood Creek	448	...	...
Six Mile Canal—Platte River	639	678
Skunk Creek—Sec. 1-14-37	309	350	...	...
Slattery Canal—Dead Horse Creek	449	...	...
Slattery Canal—Jim Creek	394	...	...	...
Slattery Canal—Jim Creek and Caladonia Reservoir	394	...	...	...
Slattery Pump—Dead Horse Creek	449	...	...

Station Descrip- tion	Measure- ments		Daily Discharge	
	1947	1948	1947	1948
Smith Canal—Boggy Creek	394	449	...	...
Smith Canal—Lodgepole Creek .....	...	449	...	...
Smith Pump—Sappa Creek .....	...	449	...	...
Smith-Wheeler Canal—Pumpkinseed Creek ...	395	...	...	...
Smock Canal—Trunk Butte Creek .....	...	449	...	...
Snake River—Burge	272	...	546	597
Snow Canal—Niobrara River	395	450	...	...
Snyder Canal—Snyder Reservoir .....	...	450	...	...
Soderquist Canals—Lodgepole Creek	395	450	...	...
Soldier Creek—Various locations	309	350	...	...
South Platte River (See Platte Rivers)				
Sow Belly Canal—Sow Belly Creek	395	450	...	...
Sow Belly Creek—Various locations	309	350	...	...
Spohn Canal—North Platte River .....	...	...	640	679
Spotted Tail Creek, Dry—Sec. 28-32-56 ...	310	351	547	597
Spotted Tail Creek, Wet—Sec. 6-22-55 ...	311	351	...	...
Spring Branch Canal—Lawrence Fork	395	450	...	...
Spring Creek:				
Cushing .....	...	352	...	...
Crystal Lake Reservoir—Sec. 6-32-55 ...	...	351	...	...
Sec. 13-32-52 .....	...	352	...	...
Spring Creek Reservoir .....	...	352	...	...
Sumter	311	...	...	...
Wyoming-Nebraska Line, Sec. 4-23-58 ..	311	351	...	...
Spring Creek Canal—Spring Creek	396	...	...	...
Spring Creek Canal No. 1—Spring Creek Reservoir .....	...	451	...	...
Squaw Creek, Branch—Sec. 10-33-57	311	...	...	...
Squaw Creek—Various locations	311	352	...	...
Stanbie Pump—Muddy Creek .....	...	451	...	...
Stinking Water Creek—Palisade .....	...	352	...	...
Stinking Water Creek—Wauneta	272	...	547	598
Strever Creek—Overton	312	353	547	598
Stuart Brothers Canal—Little Cottonwood Creek	396	451	...	...
Suburban Canal—North Platte River .....	...	...	640	679
Sudman Canal—Lodgepole Creek .....	...	451	...	...
Sutherland Canal—North Platte .....	...	...	641	679
Sutherland Canal—South Platte River .....	...	...	640	680
Sutherland Power Return—North Platte River .....	...	452	642	680
Sutherland Reservoir System .....	...	...	641	681
Sylvan Dell Canal—Driftwood Creek .....	...	452	...	...

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1947	1948	1947	1948
T					
Taylor-Ord Canal—North Loup River				632	672
Thirty Mile Canal—Platte River and Suther- land Reservoir				642	681
Thomas Canal—Ash Creek, East			452		
Thomas Canal—Big Bordeaux Creek			452		
Thomas Canal—Squaw Creek			452		
Thomas-Stuart Canal—Cottonwood Creek, Little			453		
Thorstensen Pump—Lodgepole Creek			453		
Tietze Pump—Republican River			453		
Tobin Canal—Lodgepole Creek		396	453		
Todd Canal—East Ash Creek		396			
Townsend Canal—White Clay Creek			453		
Tracy Canal—Lodgepole Creek		396	454		
Tracy Pump—Mud Creek			453		
Trails End Canal—Pumpkinseed Creek		396	454		
Tri-County Canal—Jeffrey Power Return to Platte River				643	682
Tri-County Canal—Johnson Power Return to Platte River				644	683
Tri-County Canal—Platte River				643	682
Tri-County Drain—Sec. 14-11-26		312			
Tri-State Canal—North Platte River and Pathfinder Reservoir				644	683
Tri-State Canal:					
Akers Draw		397			
Alliance Drain, To River		398	454		
Dry Spotted Tail Creek		397			
Mitchell Spillway, To River		399			
Sheep Creek		397			
Toohey Spillway, To River		399			
Tub Springs		398			
Wet Spotted Tail		397			
Tri-State Spillway—To River—Sec. 13-23-58		398			
Trunk Butte Creek—Sec. 25-33-50		312	353		
Tub Springs—Above Enterprise Canal		313	353		598
Tub Springs—Below Enterprise Canal		312	353	548	598
Turkey Creek—Dannebrog		313			
Turner Canal—Antelope Creek			454		
Turner Canals—Turner Reservoir			454		
Turtle Creek—Elyria		313			

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1947	1948	1947	1948
U					
Union Canal—Blue Creek and Crescent Lake	645	684
Urbach Canal—Lodgepole Creek	399	455	...	...

V

Valdez Canals—Cedar Creek	.....	...	455	...	...
Verdigre Creek—Verdigre	.....	313	...	...	...
Victoria Canal No. 1—Victoria Creek	.....	...	455	...	...
Victoria Creek—Gates	.....	313	353	...	...

W

Wagner Creek—Comstock	.....	313	399	...	...
Wallace Creek—Scotia	.....	313	353	...	...
Warbonnet Canals—Warbonnet Creek	.....	399	455	...	...
Warbonnet Creek—Various locations	.....	313	354	...	...
Warneke Canal—Niobrara River	.....	400	456	...	...
Wearin Canal—Lodgepole Creek	.....	400	456	...	...
Wertz Canal—Lodgepole Creek	.....	400	...	...	...
Western Canal—South Platte River	.....	...	...	646	685
Whistle Creek—Sec. 12-28-54	.....	314	...	...	...
White Clay Creek—Crawford	.....	314	354	...	599
White Clay Creek—Nebraska-South Dakota State Line	.....	...	354	...	...
White Clay Creek—Various locations	.....	...	354	...	...
White Horse Creek—Gannett	.....	314	355	...	...
White River Canal—White River	.....	...	456	...	...
White River:					
Above Whitney Diversion	.....	314	355	...	...
Below Whitney Diversion	.....	315	...	...	...
Sec. 18-33-39—Chadron	.....	...	356	...	...
White River—Crawford	.....	...	...	...	599
Various locations	.....	314	356	...	...
White Tail Creek—Various locations	.....	315	356	...	...
Whitney Reservoir—White River	.....	...	...	646	685
Wickersham Canals—Boggy Creek	.....	400	456	...	...
Wickersham Canal—Wickersham Reservoir	.....	400	457	...	...
Wiegand Canals—Lodgepole Creek	.....	401	457	...	...
Wiggle Creek—Loup City	.....	315	...	...	...
Wilds Canal—Lodgepole Creek	.....	401	457	...	...
Wilson Pump—Mud (Beaver) Creek	.....	402	...	...	...

Winters Creek Canal—North Platte River	647	686
Winters Creek Canal—Winters Creek	647	686
Winters Creek Lateral—Winters Creek	647	686
Winters Creek—Scottsbluff	273	548 599
Wolfe Canal—Lodgepole Creek	402	458
Wood River—Grand Island	315	.. . . .
Riverdale	273	549 600
Woodruff Canal, South—Jim Creek	458

Y

Yanda Pump—Beaver Creek	402
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Z

Zerbst Canals—Little Red Creek	402	458
Zerbst Canals—Prairie Dog Creek	458
Zimmerman Canal—Sow Belly Creek	402	458