

TWENTIETH BIENNIAL REPORT
BUREAU OF IRRIGATION, WATER POWER
AND DRAINAGE

TO THE
GOVERNOR OF NEBRASKA

1933-1934

TWENTIETH BIENNIAL REPORT

OF THE

BUREAU OF IRRIGATION
WATER POWER AND
DRAINAGE

OF THE

DEPARTMENT OF ROADS
AND IRRIGATION

TO

HONORABLE CHARLES W. BRYAN

GOVERNOR OF THE STATE OF NEBRASKA
LINCOLN, NEBRASKA

1933-1934

PART 2

REPORT OF BUREAU OF IRRIGATION WATER POWER AND DRAINAGE

DIVISION OF IRRIGATION
DIVISION OF STATISTICS

DIVISION OF WATER POWER AND DRAINAGE
DIVISION OF HYDROGRAPHY AND SURVEYS

NEBRASKA STATE HISTORICAL SOCIETY

EXECUTIVES AND EMPLOYEES

of the

BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE

R. L. Cochran, State Engineer*.....	Lincoln
A. T. Lobdell, Acting State Engineer.....	Lincoln
Robert H. Willis, Chief.....	Bridgeport
F. B. Shaffer, Office Engineer.....	Bridgeport
K. I. Ward, Statistician.....	Lincoln
A. W. Hall, Senior Hydrographer.....	Bridgeport
A. E. Johnston, Junior Hydrographer.....	Bridgeport
John Rasmussen, Superintendent.....	Crawford
Esther Clay, Bookkeeper.....	Lincoln
Fern Sharp, Clerk-Stenographer.....	Bridgeport

WATER COMMISSIONERS

Name and Address	Time Employed	
	1933	1934
W. F. Chaloupka, Bridgeport.....	0 days	0 days
S. B. Hanna, Kimball.....	25 days	33 days
Charles Gardner, Sidney.....	0 days	6 days
C. T. Korell, Culbertson.....	35 days	46 days

ACTING WATER COMMISSIONERS

F. C. Edwards, Gothenburg.....	4 months	0 months
James Boodry, Bridgeport.....	4 months	0 months
John Frame, Hershey.....	4 months	0 months
J. V. Ruzicka, Ogallala.....	4 months	2 months
Louis G. Eckle, Scottsbluff.....	0 months	2 ½ months
M. D. Wood, Bridgeport.....	0 months	3 ¼ months

OBSERVERS

Archie Joe Luxa, Julesburg.....	12 months	4 months
Arlan Luxa, Julesburg.....	0 months	8 months
E. D. Long, Overton.....	12 months	12 months
A. W. Shilling, Jr., North Platte.....	12 months	11 months

* Resigned July 9, 1934.



State Irrigation Office Building at Bridgeport

Bridgeport, Nebraska,
November 30, 1934.

Hon. A. T. Lobdell,
Acting State Engineer,
Department of Roads and Irrigation,
Lincoln, Nebraska.

Dear Sir:

Pursuant to an established custom, I have the privilege of reporting to you the official transactions of the Bureau of Irrigation, Water Power, and Drainage for the biennium ending September 30, 1934.

Water Supply

There was a slight water shortage in 1933, and a very pronounced shortage in 1934. The water users of the Platte River basin suffered to a greater extent than did some of the water users of the other important basins of the State.

The annual water supply of the Platte River basin from the headwaters to Overton, Nebraska, was 67 per cent of the ten year mean (1923-1932), for 1933, and 33 per cent for 1934. The water available for seven months (October to April inclusive) was 62 per cent for 1933, and 58 per cent for 1934. For the irrigation season, (May to September inclusive), the available supply was 67 per cent for 1933, and 9 per cent for 1934.

The total Pathfinder Storage available for the 1934 season was 330,000 acre-feet, being 37 per cent of the 24 year mean (1911 to 1934 inclusive). The quantity impounded between October 19, 1933, and May 16, 1934, was 228,000 acre-feet, equivalent to 38 per cent of the 24 year mean. The 1934 inflow above the Pathfinder Reservoir was 27 per cent of the 31 year mean (1904 to 1934 inclusive), which is the lowest of record.

There was some available storage in the Guernsey Reservoir in addition to the Pathfinder Storage, amounting to 23,000 acre-feet in 1933, and 44,000 acre-feet in 1934, which was withdrawn and used on lands having storage rights.

The flow of the South Platte River during the biennium was ex-

tremely low, however, the Western Irrigation District succeeded in diverting 2.44 acre-feet per acre in 1933, and 2.02 acre-feet per acre in 1934. This is fairly good, in view of the fact that many of the streams in the State were entirely dry during the summer of 1934.

The water available in the Hat Creek and White River basins was much below normal during the biennium. In fact, during a portion of the 1934 irrigation season, the supply was barely sufficient for domestic purposes.

Water Administration

The administration of the available water supply in the Platte River basin for the 1933 season was not particularly difficult. There was sufficient water throughout the season for appropriations antedating December 28, 1894. Appropriations subsequent to December 28, 1894, were permitted to divert water intermittently during July, August, and September.

For the 1934 season, much difficulty was experienced from May 10 to the end of the season, particularly in the Platte River basin. An effort was made to conduct water down the river to supply the two oldest priorities in the Platte River basin, namely Kearney and the Platte Valley projects. All projects having priorities subsequent to January 20, 1892, were intermittently kept closed up to July 10, on which date canals having rights subsequent to December 19, 1889, were closed and denied water until July 17, with the intention of benefitting the Platte Valley Irrigation District, which has a priority of May 31, 1884. On July 6, all the water in the river at the headgate of the Platte Valley canal, amounting to 196 second-feet, was flowing into the canal. This quantity diminished daily until on the 16th, 21 second-feet were flowing. Notwithstanding that these canals continued closed for fourteen days, the flow of water into the Platte Valley canal ceased entirely on July 21.

After July 21, the available water was administered in the order of priority on a higher water duty, excluding the Kearney and Platte Valley canals. Appropriators having priorities subsequent to December 19, 1889, were allowed to divert from one-third to one-half of their respective appropriations. This arrangement permitted the use of water to a greater number of projects, but necessitated closer supervision of the water by the individual user.

Water began to flow into the Platte Valley canal again on September 9. Forty-seven second-feet were flowing on the 10th, and near the end of September, 99 second-feet were diverted. This was

all the management cared to divert, because of a leak in the dam caused by beavers.

Many demands for administration of the available water supply were made on the Department throughout the 1934 season, by appropriators on nearly every stream in the State, except the Loups and the Niobrara River. Among those streams demanding water commissioner services were Clear Creek, Turkey Creek, the Blue Rivers, Gordon, Boardman, Bear, Beaver, and Buffalo creeks. There were no water commissioners available for those streams, causing some criticism of the department, although some service was rendered by shunting a hydrographer from remote points, where he was already employed, to these streams. Appropriators on these streams believe they are entitled to water commissioner services. To have priorities and not have them enforced makes those rights almost worthless. The appropriators on the Frenchman River, Republican River, Hat Creek, White River, and the upper part of the Niobrara River, should have more service from water commissioners than they have been getting.

There have been several complaints from water users on the South Platte River in Nebraska against the Colorado water users. Reports come to the Department that conditions of the Colorado-Nebraska River Compact have been violated. No investigation is made because water commissioners and hydrographers employed have many more demands on their time and services than they can take care of.

Administration of the available water supply of several streams of the State has become an all year around requirement. The Hat Creek basin, White River, Snake Creek, Lodgepole Creek, Frenchman River, and the North Platte River require patrolling 365 days of the year, because of storage and water power appropriators.

Because of drouth conditions and low water supply, a large number of pumps were placed in operation under many projects, pumping water from drainage canals and using it on farms adjacent to the drainage ditch; notwithstanding that some of these projects, having junior rights, were taking water that otherwise would flow by gravity to appropriators having senior rights. Nothing was done by the Department to police pumping from drainage canals, because the ownership of the drainage water is still debatable.

Precipitation

The annual precipitation in the irrigated section was normal, or above normal, in 1933 at Oshkosh, North Platte, Lexington, Culbertson, and Fort Robinson, and eighty-five and seventy-one per cent of normal at Mitchell and Bridgeport respectively.

In 1934, the precipitation at the same stations was from fifty per cent to seventy-five per cent of normal. The greatest deficiency was at Bridgeport and Lexington.

The precipitation over the upper North Platte River basin was eighty-three and sixty-five per cent for 1933 and 1934 respectively.

There were fifteen inches of snow in the higher elevations of the Platte River basin in Wyoming in 1934, as compared with fifty-five inches in 1933.

Hydrography

Under a cooperative agreement between the United States Geological Survey and the Department, stream measurements for the biennium were made on all the streams of the State. However, fewer measurements were made because a fewer number of water commissioners were employed, and hydrographers were taken from their regular duties to supplement the work of the water commissioners. The total number of actual measurements made by hydrographers of canals and streams was 7,136 for the biennium, as compared with 10,675 for the previous biennium.

Seventy-seven daily discharge data have been compiled on streams other than the Platte, North Platte, and South Platte Rivers, which data are published in this report.

Water Commissioners

Two water commissioners were employed on the North Platte River and tributaries, two on Lodgepole Creek, one on the Frenchman and Republican Rivers, and one on the White River, Niobrara River, and Hat Creek, including tributaries. This number of water commissioners was not sufficient to meet the demands of water users. Two hydrographers were taken from their regular duties to assist the water commissioners. It was impossible to render satisfactory service to all the water users having appropriations on the many streams in the State. The demand for service exists every year on streams west of a north and south line through Kearney, but this line was moved east during this biennium to about Wahoo.

Observers

The number of observers employed were reduced from about forty in 1931 to two in 1934. Water commissioners and hydrographers took over the work of the observers. These, together with thirty-two automatic recorders in operation in 1934, eliminated a part of the observers formerly employed.

Interstate Problems

During the biennium, Wyoming appropriators diverted water under authority of the Wyoming State Engineer, disregarding Nebraska priorities. Conferences were held in Cheyenne among State officials of the two States, for the purpose of having Nebraska priorities respected. The Wyoming officials finally gave notice that priorities in Nebraska would not be recognized until a compact between the states was made, or until a court order was issued commanding recognition of Nebraska's rights. Hence, suit was initiated in the Federal Supreme Court in the latter part of September, 1934, by Nebraska against Wyoming, seeking an equitable portion of the water of the Platte River basin for Nebraska water users.

Below is a summary covering the activities of the Division of Statistics from November 30, 1932, to November 30, 1934:

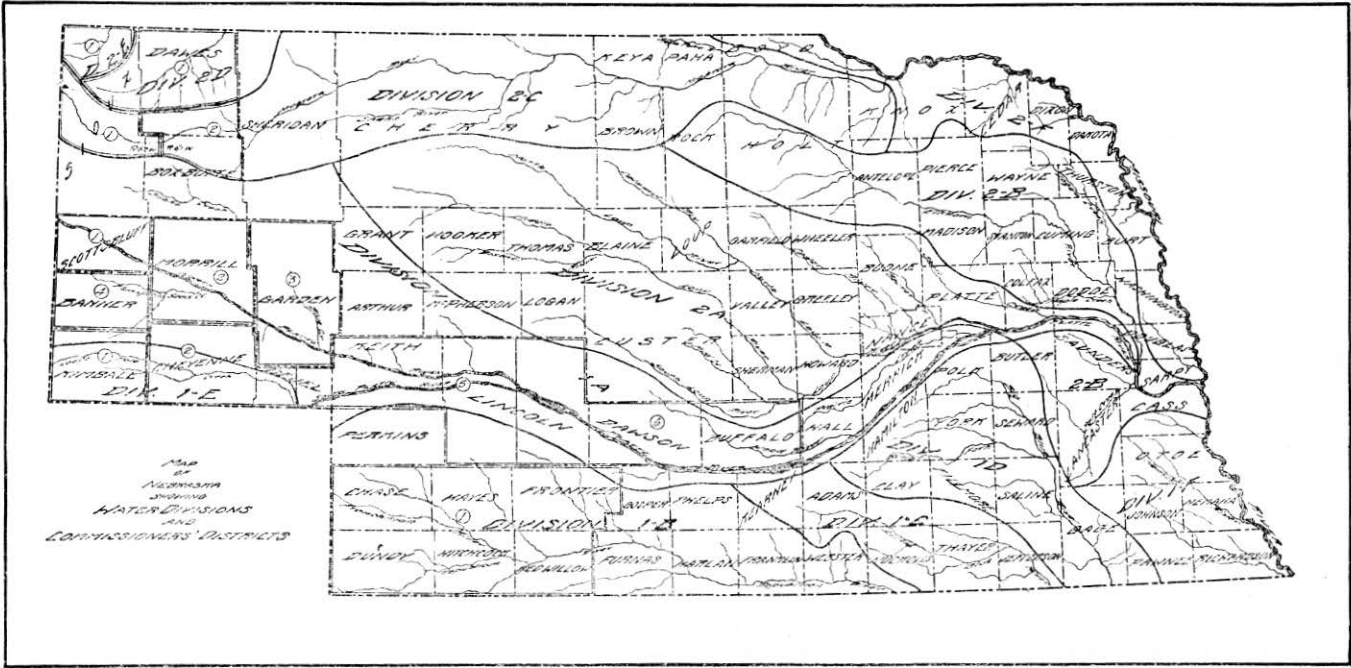
Applications for water appropriations.....	205
Permits issued.....	162
Applications and claims canceled.....	34
Applications dismissed.....	21
Applications pending.....	65
Hearings held	25
Relocation permits	9
Petitions for relocations dismissed.....	2
Water power leases.....	4
Deeds recorded	82
Maps and plans filed.....	140
Field inspection reports recorded	221
Fees collected covering:	
Applications, plans of dams, leases and deeds.....	\$8,910.30
Copying records	359.10
Total fees	<u>\$9,269.40</u>

Recommendations

More water commissioners should be employed to meet the demands of appropriators who should have their rights protected.

Respectfully submitted,

R. H. Willis Chief,
Bureau of Irrigation, Water
Power and Drainage.



DIVISION OF STATISTICS

WATER DIVISIONS AND WATER DISTRICTS

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

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

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

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

CLAIMS AND APPLICATIONS

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

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

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

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.		
						S	T	R	County	Mo.	D			Yr.	
Akers Draw (No. Platte R.)	Enterprise Irrigation District	Scottsbluff	Nelson Canal	O. D.		13	23	57	Scotts Bluff	May	21	1913	920	1290	
Anderson Seep (No. Platte R.)	Clarke, M. G.	Okmulgee, Okla.	Gordon Canal	O. D.		26	20	51	Morrill	Nov.	7	1931	858	2248	
Atkins Drain (No. Platte R.)	Atkins, A. W.	Bridgeport	Atkins Canal	O. D.		15	19	49	Morrill	Mar.	27	1916	828	1450	
Ash Creek	Noetzelman, Mrs. Anna	Lewellen	Gilliard Canal	Irrig.	1.43	3	16	42	Garden	Dec.	31	1890	812	.....
Bayard Sugar Factory Drain (No. Platte R.)	Alliance Irrigation District	Bridgeport	Alliance Canal	O. D.		5	20	52	Morrill	Aug.	13	1925	874	1776	
Beaver Creek	C. B. & Q. R. R. Co.	Lincoln	C. B. & Q. Water Supply	Dom.	1.00	8	12	14	Buffalo	July	26	1919	.....	1550
Beaver Creek	Yanda, Geo. J.	Ravenna	Yanda Pump	Irrig.	.90	8	12	14	Buffalo	Apr.	4	1927	.....	1920
						9	12	14							
Birdwood Creek	Birdwood Irr. Dist.	North Platte	Birdwood Canal	Irrig.	100.00	35	15	33	Lincoln	Oct.	21	1893	646	.....
Birdwood Creek	Northouse, Ed.	Sutherland	West Birdwood Canal	Irrig.	8.57	8	22	15	33	Lincoln	Jan.	16	1894	652
Birdwood Creek	Saxson, Bert	Sutherland	Beaucamp Canal	Irrig.	3.00	15	15	33	Lincoln	Sept.	19	1894	677	.....
Blue Creek	Union Irrigation and Water Power Company	Lewellen	Union Canal	Irrig.	18.80	18	16	42	Garden	May	16	1890	763	.....
Blue Creek	Union Irrigation and Water Power Company	Lewellen	Graf Canal	Irrig.	1.20	19	16	42	Garden	May	16	1890	763-R	.....

"R" Denotes relocation,

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR	T	R	County	Mo.	D	Yr.		
Blue Creek.....	Hooper Irrigation Dist.	Lewellen.....	Hooper Canal.....	Irrig.	12.65	6	16	42	Garden.....	Sept.	7	1893	781	.....
Blue Creek.....	Orr, Bert L.....	Lewellen.....	Graf Canal.....	Irrig.	.21	19	16	42	Garden.....	Sept.	7	1893	781-R	.....
Blue Creek.....	Blue Creek Irr. Dist.	Lewellen.....	Blue Creek Canal.....	Irrig.	39.00	33	17	42	Garden.....	Dec.	27	1893	785	.....
Blue Creek.....	Meeker Ditch Company.	Lewellen.....	Graf Canal.....	Irrig.	32.73	19	16	42	Garden.....	Apr.	2	1894	788	.....
Blue Creek.....	Ross, A. S., et al**	Lewellen.....	Hooper Canal.....	Irrig.	.27	6	16	42	Garden.....	Apr.	2	1894	788-R	.....
Blue Creek.....	Blue Creek Irr. Dist.	Lewellen.....	Blue Creek Canal.....	Irrig.	3.79	33	17	42	Garden.....	Sept.	27	1894	795	.....
Blue Creek.....	Paisley Irrigation Dist.	Oshkosh.....	West Side Canal.....	Irrig.	15.55	28	17	42	Garden.....	Nov.	23	1894	800	.....
Blue Creek.....	Robinson, A. A.	Gering.....	Midland-Overland Canal	O. D.		4	16	44	Garden.....	Nov.	20	1894	800	1742-R
(No. Platte R.)														
Blue Creek.....	Paisley Irrigation Dist.	Oshkosh.....	Paisley Canal.....	Irrig.	2.00	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 Irrigation Dist.	Oshkosh.....	West Side Canal.....	Irrig.	3.30	28	17	42	Garden.....	Feb.	25	1924	.....	1738
Blue Creek.....	Blue Creek Public Power and Irrigation District	Lewellen.....	Blue Creek Reservoir.....	Storage		28	17	42	Garden.....	Aug.	24	1933	.....	2345*
						33	17	42						
Broncho Lake.....	Miller, True.....	Alliance.....	Broncho Lake.....	Irrig.	1.16	6	24	48	Box Butte.....	May	7	1926	.....	1806
Browns Creek.....	Haxby, George H.....	Bridgeport.....	Haxberry Canal.....	Irrig.	.43	19	20	48	Morrill.....	July	17	1903	.....	717
Buckhorn Springs	Maddox, P. P.....	North Platte.....	Maddox Canal.....	Irrig.	2.28	8	14	36	Keith.....	Oct.	3	1908	.....	918
Buffalo Creek (Platte River).....	Savins, Richard.....	Lexington.....	Savins Pump.....	O. D.		22	10	21	Dawson.....	Aug.	17	1917	622	1495
(Platte River).....	Doughty, Wm. T. and R. H.....	Lexington.....	Doughty Pump.....	O. D.		21	10	21	Dawson.....	Mar.	24	1922	622	1648

*Application pending.

**Land included in Hooper Irrigation District.

"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR [†]	T	R	County	Mo.	D			Yr.
Buffalo Creek	Kopf, Walter W.	Buffalo	Kopf Pump	Irrig.	.57	21	12	22	Dawson	Mar.	3	1926	.....	1799
Buffalo Creek	Broe, John L. and Thos. F.	Elm Creek	Streiff Pump	Irrig.	1.80	35	9	19	Dawson	Sept.	15	1926	.....	1859
(Platte River)	Hodgson, Martha	Lexington	Hodgson Pump	O. D.		33	10	20	Dawson	Oct.	28	1926	622	1868
Buffalo Creek	Stryker, Abram I.	Overton	Stryker Pump	Irrig.	1.62	18	9	19	Dawson	July	19	1927	.....	1944
Buffalo Creek	Philpot, W. J.	Overton	Philpot Pump	Irrig.	3.33	28	9	19	Dawson	July	26	1927	.....	1946
Buffalo Creek	Bowden, C. A.	Overton	Bowden Pump	Irrig.	1.65	12	9	20	Dawson	Oct.	10	1927	.....	1959
Buffalo Creek	Lloyd, Bell F.	Elm Creek	Lloyd Pump	Irrig.	2.16	36	9	19	Dawson	Feb.	20	1928	.....	1985
Buffalo Creek	Potts, Chas. S.	Elm Creek	Potts Pump	Irrig.	4.43	4	8	18	Buffalo	Mar.	5	1928	.....	1988
Buffalo Creek	Fitzgerald, Elva J.	Elm Creek	Jones Pump	Irrig.	.94	5	8	18	Buffalo	Apr.	30	1928	.....	2012
Buffalo Creek	Wilson, Harry W.	Overton	Wilson Canal	Irrig.	2.29	18	9	19	Dawson	Nov.	12	1928	.....	2052
Buffalo Creek	Ulrich, Maria	Elm Creek	Ulrich Canal	Irrig.	.52	1	8	19	Dawson	Feb.	4	1929	.....	2068
(See Mud Cr.)														
Buffalo Creek	Gilmore, Eliza A.	Murray	Gilmore Pump	Irrig.	1.03	21	9	19	Dawson	Mar.	5	1929	.....	2074
Buffalo Creek	Armstrong, Lillian G.	Elm Creek	Armstrong Canal	Irrig.	.23	33	9	18	Buffalo	June	19	1929	.....	2087
Buffalo Creek	Phillips, Reber D.	Omaha	Phillips Pump	Irrig.	4.57	12	9	20	Dawson	July	13	1929	.....	2089
Buffalo Creek	Jensen, Peter F.	Cozad	Jensen Pump	Irrig.	1.00	21	11	22	Dawson	July	17	1929	.....	2090
Buffalo Creek	Kopf, Walter W.	Buffalo	Kopf Reservoir	Supple. Storage	†756AF	21	12	22	Dawson	Dec.	23	1930	.....	2180
(Reservoir A-2180)	Kopf, Walter W.	Buffalo	Kopf Reservoir	Irrig.	2.90	21	12	22	Dawson	Dec.	23	1930	.....	2181
Buffalo Creek	Mitchell, Geo. E.	Elm Creek	Mitchell Pump	Irrig.		36	9	19	Dawson	Mar.	31	1932	.....	2265*
Bull Drain	Norris, David	Maxwell	Norris Pump	Irrig.	.93	29	13	28	Lincoln	Feb.	18	1932	.....	2253
Camp Creek	Wehn, J. H.	Bridgeport	Camp Creek Canal	Irrig.	1.43	13	18	49	Morrill	Mar.	16	1892	866	.....

*Application pending.
 †Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Camp Clark Seep and Red Willow Creek (No. Platte R.)	Schermerhorn Irrigation Company	Bridgeport	Schermerhorn Canal	O. D.	A-418	9	20	51	Morrill	June	22	1929		2088
Carter Creek	Gardner, Wm. E.	Gering	Carter Canal	Irrig.	3.38	27	21	56	Scotts Bluff	Oct.	13	1922		1691
Cedar Creek	Radcliffe, Mack	Sidney	Nelson-Radcliffe Canal	Irrig.	2.77	28	18	48	Morrill	June	1	1882	1034a	
Cedar Creek	Radcliffe, Mack	Sidney	Radcliffe Canal No. 2	Irrig.	1.23	34	18	48	Morrill	July	1	1885	1034b	
Cedar Creek	Rush Creek Land and Live Stock Company	Lisco	Radcliffe Canal No. 3	Irrig.	.76	27	18	48	Morrill	Feb.	14	1890	1034c	
Cedar Creek	Bridgeport Irr. Dist.	Bridgeport	Belmont Feeder	Irrig.	5.26	23	18	48	Morrill	Jan.	7	1915		1397
Clear Creek	Hooper, D. C.	Lewellen	Clear Creek Canal	Irrig.	2.86	32	16	41	Keith	July	1	1888	748	
Clear Creek	Clear Creek Irr. Co.	Lewellen	Barber Canal	Irrig.	14.57	29	16	41	Keith	May	30	1893	754	
Clear Creek	Clark, Wesley and Bairn, John	Lewellen	Williams Canal	Irrig.	1.00	28	16	41	Keith	May	18	1894	747	
Clear Creek	Barber, Frank H.	Lincoln	Finch Canal	Irrig.	1.43	4	15	41	Keith	June	30	1895	964	
Clear Creek	Clear Creek Irr. Co.	Lewellen	Barber Canal	Irrig.	1.14	29	16	41	Keith	July	5	1911		1111
Clear Creek	Scripter, Henrietta	Lewellen	Scripter Canal	Irrig.	2.49	32	16	41	Keith	Oct.	6	1932		2288
Clear Creek	Harper, R. F. and Barber, F. H.	Belmar	Harper Canal	Irrig.	2.97	32	16	41	Keith	Apr.	15	1933		2316
Cold Water Creek	Lisco Irrigation District	Lisco	Cold Water Canal	Irrig.	4.29	26	18	46	Garden	Sept.	29	1894	796	
Coon Creek	Winterer, Wm. H.	Keystone	Coon Creek Canal	Irrig.	.71	34	15	37	Keith	July	3	1895		69
Coon Creek	Winterer, Wm. H.	Keystone	Coon Creek Canal	Irrig.	1.42	34	15	37	Keith	Sept.	16	1912		1225

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Crescent Lake.....	Lake Water Carrying Co.	Lewellen.....	Crescent Lake Project.....	Storage	148.57	21	20	44	Garden.....	Jan.	30	1920	.....	1575
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Union Canal.....	Irrig.	18.80	18	16	42	Garden.....	May	16	1890	763	1575
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Graf Canal.....	Irrig.	1.20	19	16	42	Garden.....	May	16	1890	763-R	1575
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Hooper Canal.....	Irrig.	12.65	6	16	42	Garden.....	Sept.	7	1893	781	1575
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Graf Canal.....	Irrig.	.21	19	16	42	Garden.....	Sept.	7	1893	781-R	1575
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Blue Creek Canal.....	Irrig.	39.00	33	17	42	Garden.....	Dec.	27	1893	785	1575
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Graf Canal.....	Irrig.	32.73	19	16	42	Garden.....	Apr.	2	1894	788	1575
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Hooper Canal.....	Irrig.	.27	6	16	42	Garden.....	Apr.	2	1894	788-R	1575
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Blue Creek Canal.....	Irrig.	3.79	33	17	42	Garden.....	Sept.	27	1894	795	1575
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	West Side Canal.....	Irrig.	15.55	28	17	42	Garden.....	Nov.	20	1894	800	1575
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Midland-Overland Canal	O. D.		4	16	44	Garden.....	Nov.	20	1894	800	1742-R
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Paisley Canal.....	Irrig.	2.00	28	17	42	Garden.....	July	14	1899	.....	515
														(1575)
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	Blue Creek Canal.....	Irrig.	.42	33	17	42	Garden.....	Jan.	4	1912	.....	1154
														(1575)
(Blue Creek).....	Lake Water Carrying Co.	Lewellen.....	West Side Canal.....	Irrig.	3.30	28	17	42	Garden.....	Feb.	25	1924	.....	1738
														(1575)
Reservoir A-1575.	Lake Water Carrying Co.	Lewellen.....	Crescent Lake Project.....	Irrig.	2.06	21	20	44	Garden.....	Jan.	30	1920	.....	2365
Dawson County Drainage Ditch No. 1.....	Orthman, Vernon C.....	Lexington.....	Orthman Pump.....	O. D.		14	9	21	Dawson.....	Mar.	15	1930	624	2129
(Platte River) Dawson Drain.....	Baalhorn, Fred.....	Cozad.....	Baalhorn Pump.....	Irrig.		3	10	23	Dawson.....	Sept.	5	1931	.....	2234*
Deep Cold Creek.....	Finn, J. L.....	Broadwater.....	Finn Brothers Canal.....	Irrig.	.50	28	18	49	Morrill.....	July	1	1890	836	.....

*Application pending.
 "R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D			Yr.
Deep Holes Creek	Hanway, F. P.	Broadwater	Emma Canal	Irrig.	1.40	3	18	49	Morrill	Mar.	17	1924	1740
Dougout Creek, Lower	Hecht, Tilford M.	Broadwater	Cooper Canal	Irrig.	.86	4	19	48	Morrill	Aug.	15	1892	872
Dougout Creek, Lower	Mulloy, Francis C.	Broadwater	Mulloy Canal	Irrig.	1.00	27	20	48	Morrill	July	18	1937	865
Dougout Creek, Lower	Hecht, Tilford M.	Broadwater	Hagerty Canal	Irrig.	1.00	4	19	48	Morrill	Oct.	26	1912	1238
Dougout Creek, Lower	Hecht, Tilford M.	Broadwater	Klondyke Reservoir	A-1238	†34A	4	19	48	Morrill	July	11	1919	1547-S
Drainage Ditch, Tributary to No. Platte R.	Perkins, Hobart L.	Mitchell	Perkins Canal	O. D.	A-768	18	23	55	Scotts Bluff	Aug.	22	1934	2468*
Elm Creek	Scott, Natonia	Elm Creek	Scott Pump	Irrig.	1.14	29	9	18	Buffalo	Jan.	28	1929	2066
Farmers Canal Seep (No. Platte R.)	Warner, Frank	Morrill	Warner Canal	O. D.		12	23	57	Scotts Bluff	Sept.	16	1887	918 1769
Fawcus Springs	Oliver, John E.	Bridgeport	Oliver Canal	Irrig.	2.71	24	20	52	Morrill	Apr.	17	1933	2317
Gebauer Seep Lake	Gebauer, Paul G.	Northport	Gebauer Canal	Irrig.	.80	28	20	50	Morrill	Apr.	25	1930	2138

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Glenn Springs.....	Glenn, L. R.....	Henry.....	Glenn Canal.....	Irrig.	.16	3	23	58	Scotts Bluff.....	May	29	1933	.....	2324
Golden Creek.....	Theis, M. J.....	Ogallala.....	Theis Canal.....	Irrig.	2.71	25	15	39	Keith.....	Sept.	17	1895	.....	160
Gothenburg Power Waste (Platte River)	Janssen, R. E.....	Gothenburg.....	Six Mile Canal.....	O. D.		10	11	25	Dawson.....	July	22	1933	645a	2337*
Gravel Creek (Sand Creek)	Maddox, P. P. and Sillasen, S. J.....	North Platte.....	Sand Creek Canal.....	Irrig.	1.84	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	Shannon, Ray.....	Bridgeport.....	Capron Canal.....	Irrig.	2.00	15	18	50	Morrill.....	Jan.	1	1893	890	.....
Greenwood Creek	Meglemre, C. E.....	Bridgeport.....	Meglemre Canal.....	Irrig.	.50	3	18	50	Morrill.....	May	6	1896	.....	294
Greenwood Creek	Meglemre, C. E.....	Bridgeport.....	Meglemre Canal.....	Irrig.	1.06	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
Horse Creek.....	Mihan, John, Estate of.....	Lyman.....	State Line Canal.....	Irrig.	3.07	33	23	58	Scotts Bluff.....	Sept.	10	1897	.....	407
Horse Creek.....	Braziel-Marsh.....	Morrill.....	Marsh-Braziel Canal.....	Irrig.	7.19	4	22	60	Wyoming.....	Nov.	24	1908	.....	921
Horse Creek.....	Gilmore Ditch Ass'n.....	Morrill.....	Gilmore Canal.....	Irrig.	9.00	33	23	58	Scotts Bluff.....	Feb.	21	1910	.....	983
Horse Creek.....	Mihan, John, Estate of.....	Morrill.....	State Line Canal.....	Irrig.	2.00	33	23	58	Scotts Bluff.....	Apr.	21	1910	.....	994
Horse Creek.....	Castell and Husted.....	Henry.....	Jackson Canal En- largement	Irrig.	1.00	27	23	58	Scotts Bluff.....	May	19	1910	.....	1000
Horse Creek.....	Marsh and Braziel.....	Morrill.....	Marsh-Braziel Canal Enlargement	Irrig.	13.00	4	22	60	Wyoming.....	Sept.	18	1911	.....	1126
Horse Creek.....	Great Western Sugar Company	Scottsbluff.....	Lyman Factory	Mfg.	15.00	34	23	58	Scotts Bluff.....	June	16	1926	.....	1819
Horse Creek.....	Mitchell Irrigation Dist.	Mitchell.....	Mitchell Canal	Supple.		25	23	58	Scotts Bluff.....	June	9	1931	.....	2206*

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Hoth Draw..... (No. Platte R.)	O'Holloran, Jas.....	Bayard.....	O'Holloran Pump.....	O. D.		28	21	52	Morrill.....	Jan.	26	1917	918	1473
Hoth Draw.....	Great Western Sugar Company.....	Scottsbluff.....	Bayard Factory.....	Mfg. Power	15.00	34	21	52	Morrill.....	Oct.	4	1920		1593
Hoth Draw.....	O'Holloran, Jas.....	Bayard.....	O'Holloran Pump.....			28	21	52	Morrill.....	July	16	1930		2147*
Huntington Spring.....	Card, Fred.....	Hull.....	Card Canal.....	Irrig.	1.43	9	20	58	Scotts Bluff.....	Dec.	23	1904		778
Kiowa Creek.....	Currie, Edw. A.....	Mitchell.....	Currie Canal.....	Irrig.	9.14	13	21	57	Scotts Bluff.....	Mar.	23	1892	938	
Kiowa Creek.....	Kellums, John H.....	Morrill.....	Kellums Canal.....	Irrig.	1.43	11	22	58	Scotts Bluff.....	Oct.	18	1901		641
Kiowa Creek.....	Kellums, John H.....	Morrill.....	Kellums Canal No. 2.....	Irrig.	.57	1	22	58	Scotts Bluff.....	Nov.	29	1907		880
Lawrence Fork.....	Randall, Wm. H.....	Beatrice.....	Laing Canal.....	Irrig.	.50	28	18	52	Morrill.....	Dec.	31	1886	825	
Lawrence Fork.....	Gilman, Byron and Crigler, E. S.....	Redington.....	Redington Canal.....	Irrig.	.57	36	19	52	Morrill.....	Oct.	9	1889	820	
Lawrence Fork.....	Lindberg, Fred R.....	Bridgeport.....	E. S. Crigler Canal.....	Irrig.	.57	1	18	52	Morrill.....	Sept.	11	1891	861	
Lawrence Fork.....	Neihus, Joseph W.....	Bridgeport.....	Spring Branch Canal.....	Irrig.	1.00	11	18	52	Morrill.....	Oct.	23	1891	862	
Lawrence Fork.....	Neihus, Joseph W.....	Bridgeport.....	Redington Canal.....	Irrig.	.50	11	18	52	Morrill.....	May	1	1893	893	
Lawrence Fork.....	Lindberg, Fred R.....	Bridgeport.....	Crigler Canal.....	Irrig.	1.43	1	18	52	Morrill.....	Nov.	25	1898		486
Lawrence Fork.....	Willis, Mrs. Anna.....	Bridgeport.....	Neihus Canal.....	Irrig.	.86	11	18	52	Morrill.....	Mar.	23	1900		550
Lawrence Fork.....	Neihus, Joseph W.....	Bridgeport.....	Harper Canal.....	Irrig.	1.43	11	18	52	Morrill.....	May	27	1902		669
Lawrence Fork.....	Randall, Wm. H.....	Beatrice.....	Randall Canal.....	Irrig.	2.57	21	18	52	Morrill.....	May	15	1911		1100
Lawrence Fork.....	King, Wm. O.....	Kearney.....	King Canal.....	Irrig.	2.46	15	18	52	Morrill.....	Dec.	8	1915		1440
Lawrence Fork.....	King, Wm. O.....	Kearney.....	King Canal.....	Irrig.	.70	15	18	52	Morrill.....	July	3	1920		1587
Lawrence Fork.....	Neihus, J. W.....	Bridgeport.....	Hopeful Canal.....	Irrig.	1.43	1	18	52	Morrill.....	Apr.	19	1930		2135

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Lincoln County Drainage Ditch No. 2 (No. Platte R.)	Reimers, Oscar.....	Grand Island.....	Reimers Pump.....	O. D.		30	14	31	Lincoln.....	Aug.	13	1934	635	2459
Lonerган Creek...	Soehl, Herman A.....	Lemoync.....	Soehl Canal.....	Irrig.	2.00	17	15	39	Keith.....	May	10	1889	697a	.....
Lonerган Creek...	Jacobs, Lee, et al.....	Lemoync.....	East Lonerган Canal.....	Irrig.	9.14	17	15	39	Keith.....	May	25	1889	699	.....
Lonerган Creek...	Soehl, Herman A.....	Lemoync.....	Soehl Canal.....	Irrig.	.86	17	15	39	Keith.....	Apr.	27	1893	697b	.....
Lonerган Creek...	Harris, F. H.....	Lemoync.....	Haney Canal.....	Irrig.	1.14	17	15	39	Keith.....	July	1	1893	719	.....
Lost Creek.....	Campbell, Wm. N.....	Oshkosh.....	Campbell Canal.....	Irrig.	1.69	11	17	44	Garden.....	Dec.	23	1929	.....	2118
Mathews Creek...	Mathews, Benj. G.....	Keystone.....	Mathews Canal.....	Irrig.	1.14	28	15	37	Keith.....	Apr.	1	1893	750	.....
Middle Creek, Springs, Tributary to	Bartling, Henry.....	Redington.....	Bartling Canal.....	Irrig.	.29	28	18	51	Morrill.....	July	31	1891	870	.....
Middle Creek, Springs, Tributary to	Bartling, Henry.....	Redington.....	Bartling Canal.....	Irrig.	.29	28	18	51	Morrill.....	June	1	1894	891	.....
Mud Creek, (See Buffalo Cr.)	Ulrich, Maria.....	Elm Creek.....	Ulrich Canal.....	Irrig.	4.20	11	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.....	Nealy, Daisy.....	Henry.....	Nealy Canal.....	Irrig.		11	23	58	Scotts Bluff.....	Aug.	3	1934	.....	2454

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
Nine Mile Draw. (No. Platte R.)	Nine Mile Irr. Dist.	Bayard	Nine Mile Canal	O. D.		10	21	53	Morrill	Aug.	19	1915	925	1431
North Platte R. (Lincoln County Drainage Ditch No. 2)	Platte Valley Irr. Dist.	Hershey	North Platte Canal	Irrig.	300.00	13	14	34	Lincoln	May	31	1884	635	
North Platte R.	Reimers, Oscar	Grand Island	Reimers Pump	O. D.		30	14	31	Lincoln	May	31	1884	635	2459
North Platte R.	Farmers Irrigation Dist.	Scottsbluff	Tri-State (Farmers) Canal	Irrig.	905.00	3	23	58	Scotts Bluff	Sept.	16	1887	918	
North Platte R. (Sheep Creek)	Farmers Irrigation Dist.	Scottsbluff	Ramshorn Canal	Irrig.	3.07	13	23	58	Scotts Bluff	Sept.	16	1887	918-R	
North Platte R. (Sheep Creek)	Sheep Creek Lateral Co.	Morrill	Sheep Creek Lateral	O. D.		8	23	57	Scotts Bluff	Sept.	16	1887	918	1176
North Platte R. (Dry Spotted Tail)	Sheep Creek Lateral Co.	Morrill	Sheep Creek Lateral	O. D.		8	23	57	Scotts Bluff	Sept.	16	1887	918	1398
North Platte R. (Wet Spotted Tail)	Hrasky, Frank and Chas.	Mitchell	Roberts Canal	O. D.		16	23	50	Scotts Bluff	Sept.	16	1887	918	1241
North Platte R. (Hoth Draw)	Stewart, H. G.	Mitchell	Stewarts Canal	O. D.		10	23	56	Scotts Bluff	Sept.	16	1887	918	449
North Platte R. (Farmers Canal Seep)	O'Holloran, Jas.	Bayard	O'Holloran Canal	O. D.		28	21	52	Morrill	Sept.	16	1887	918	1473
North Platte R.	Warner, Frank	Morrill	Warner Canal	O. D.		12	23	57	Scotts Bluff	Sept.	16	1887	918	1769
North Platte R.	Minatare Mutual Canal and Irrigation Co.	Minatare	Minatare Canal	Irrig.	249.43	32	22	54	Scotts Bluff	Jan.	14	1888	919	
North Platte R. (Winters Creek)	Winters Creek Irr. Co.	Scottsbluff	Winters Creek Canal	Irrig.	124.29	17	22	55	Scotts Bluff	Oct.	18	1888	952	
North Platte R.	Winters Creek Irr. Co.	Scottsbluff	Winters Creek Canal	O. D.		19	22	54	Scotts Bluff	Oct.	18	1888	952	1446

"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
North Platte R. (Akers Draw)	Enterprise Irr. Dist.	Scottsbluff	Enterprise Canal	Irrig.	138.70	27	23	57	Scotts Bluff	Mar.	28	1889	920	
North Platte R. (Winters Creek)	Enterprise Irr. Dist.	Scottsbluff	Enterprise Canal	O. D.		13	23	57	Scotts Bluff	Mar.	28	1889	920	1290
North Platte R. (Toohey Drain)	Enterprise Irr. Dist.	Scottsbluff	Winters Creek Lateral	O. D.		8	22	54	Scotts Bluff	Mar.	28	1889	920	2409
North Platte R. (Toohey Drain)	Fanning, Leo T.	Mitchell	Fanning Pump	O. D.		20	23	56	Scotts Bluff	Mar.	28	1889	920	2413
North Platte R.	Castle Rock Irr. Dist.	McGrew	Castle Rock Canal	Irrig.	82.57	4	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. (Atkins Drain)	Bridgeport Irr. Dist.	Bridgeport	Belmont Canal	Irrig.	270.00	18	20	51	Morrill	Dec.	19	1889	828	
North Platte R.	Atkins, A. W.	Bridgeport	Atkins Canal	O. D.		15	19	49	Morrill	Dec.	19	1889	828	1450
North Platte R.	Mitchell Irr. Dist.	Mitchell	Mitchell Canal	Irrig.	**194.60	10	23	60	Wyoming	June	20	1890		
North Platte R.	Central Irrigation Dist.	Gering	Central Canal	Irrig.	36.00	27	22	55	Scotts Bluff	June	23	1890	926	
North Platte R.	Sheridan, J. Wake, Estate of	Paxton	Sheridan-Wilson Canal	Irrig.	10.00	19	14	35	Keith	Oct.	9	1890	710	
North Platte R.	Chimney Rock Irr. Dist.	Bayard	Chimney Rock Canal	Irrig.	60.00	1	20	53	Morrill	Dec.	3	1890	844	
North Platte R.	Chimney Rock Irr. Dist.	Bayard	Chimney Rock Canal	Irrig.		1	20	53	Morrill	Dec.	3	1890	1031	
North Platte R. (Anderson Seep)	Empire Canal Company	Bridgeport	Empire Canal	Irrig.	28.57	18	20	51	Morrill	June	25	1891	858	
North Platte R.	Clarke, M. G.	Okmulgee, Oklahoma	Gordon Canal	O. D.		26	20	51	Morrill	June	25	1891	858	2248
North Platte R.	Jurgen, Otto, (Adm. Estate of D. Kah)	Minatare	Kah Canal	Irrig.	4.57	11	21	54	Scotts Bluff	Nov.	1	1891	944	
North Platte R.	Brown Creek Irr. Dist.	Bridgeport	Brown Creek Canal	Irrig.	188.71	20	20	50	Morrill	Jan.	20	1892	857	
North Platte R.	Brown Creek Irr. Dist.	Bridgeport	Brown Creek Canal	Irrig.		20	20	50	Morrill	Jan.	20	1892	1033	
North Platte R.	Alliance Irrigation Dist.	Bridgeport	Alliance Canal	Irrig.	86.00	5	20	52	Morrill	Dec.	26	1892	874	
North Platte R. (Red Willow Cr.)	Alliance Irrigation Dist.	Bridgeport	Alliance Canal	Irrig.		5	20	52	Morrill	Dec.	26	1892	1035	
North Platte R. (Red Willow Cr.)	Alliance Irrigation Dist.	Bridgeport	Alliance Canal	O. D.		6	20	51	Morrill	Dec.	26	1892	874	1429

**Mitchell Irrigation District's appropriation adjudicated in Wyoming.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
North Platte R. (Bayard Sugar Factory Drain)	Alliance Irrigation Dist.	Bridgeport.....	Alliance Canal.....	O. D.		5	20	52	Morrill.....	Dec.	26	1892	874	1776
North Platte R. (Sheep Creek).....	Ramshorn Irr. Dist.	Morrill.....	Ramshorn Canal.....	Irrig.	45.71	13	23	58	Scotts Bluff.....	Mar.	20	1893	945	.....
	Ramshorn Irr. Dist.	Morrill.....	Ramshorn Canal.....	O. D.		20	23	57	Scotts Bluff.....	Mar.	20	1893	945	1465
						21	23	57						
North Platte R.	Short Line Irr. Dist.	Bayard.....	Short Line Canal.....	Irrig.	65.57	25	21	53	Scotts Bluff.....	May	1	1893	946	.....
North Platte R.	Lisco Irrigation District	Lisco.....	Lisco Canal.....	Irrig.	19.85	14	18	47	Morrill.....	July	1	1893	856	.....
North Platte R.	Nine Mile Irr. Dist.	Bayard.....	Nine Mile Canal.....	Irrig.	100.00	18	21	53	Scotts Bluff.....	Dec.	6	1893	925	.....
North Platte R. (Nine Mile Draw)	Nine Mile Irr. Dist.	Bayard.....	Nine Mile Canal.....	O. D.		10	21	53	Scotts Bluff.....	Dec.	6	1893	925	1431
North Platte R.	Cody Land and Cattle Company	North Platte.....	Cody-Dillon Canal.....	Irrig.	127.00	9	14	31	Lincoln.....	Dec.	29	1893	649	.....
North Platte R.	Keith-Lincoln County Irrigation District.....	Sutherland.....	Keith-Lincoln Canal.....	Irrig.	95.00	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 Irrigation District	Lisco.....	Lisco Canal.....	Irrig.	5.37	14	18	47	Morrill.....	Mar.	27	1894	787	.....
North Platte R.	North River Irr. Dist.	Oshkosh.....	North River Canal.....	Irrig.	16.00	14	18	47	Morrill.....	Mar.	27	1894	787-R	.....
North Platte R.	Suburban Irr. Dist.	North Platte.....	Suburban Canal.....	Irrig.	124.00	12	14	33	Lincoln.....	May	22	1894	662	.....
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.	Oshkosh.....	Midland-Overland Canal	Irrig.	15.77	4	16	44	Garden.....	Aug.	14	1894	791	.....
North Platte R.	Hannah Irrigation Co.	Lisco.....	Hannah Canal.....	Irrig.	5.71	24	18	47	Morrill.....	Sept.	24	1894	886	.....
North Platte R.	Oshkosh Irrigation Dist.	Oshkosh.....	Oshkosh Canal.....	Irrig.	40.00	33	17	44	Garden.....	Oct.	5	1894	797	.....
North Platte R.	Beerline Canal Company	Broadwater.....	Beerline Canal.....	Irrig.	30.00	24	19	49	Morrill.....	Oct.	13	1894	887	.....
North Platte R.	Spohn, William.....	Oshkosh.....	Spohn Canal.....	Irrig.	11.89	13	17	45	Garden.....	Dec.	6	1894	801	.....

"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY		DOC. NO.	APP. NO.	
						GR	T	R	County	Mo.	D			Yr.
North Platte R.	North River Irr. Dist.....	Oshkosh.....	North River Canal.....	Irrig.	1.25	14	18	47	Morrill.....	Dec.	6	1894	801	R
North Platte R.	Rush Creek Irr. Co.....	Lisco.....	Rush Creek Canal.....	Irrig.	9.64	2	17	46	Garden.....	Dec.	11	1894	802	
North Platte R.	Lyons Irrigation District	Oshkosh.....	Lyons Canal.....	Irrig.	42.14	30	17	44	Garden.....	Dec.	22	1894	803	
North Platte R.	Western Land and Cattle Company, W. R. Taylor	Omaha.....	Signal Bluff Canal.....	Irrig.	30.13	16	16	43	Garden.....	Jan.	16	1895	837	
North Platte R.	Alfalfa Irr. Dist.....	Ogallala.....	Alfalfa Canal.....	Irrig.	100.00	1	15	42	Garden.....	Mar.	25	1895	738	
North Platte R.	Steamboat Irr. Dist.....	Melbeta.....	Steamboat Canal.....	Irrig.	6.73	4	21	54	Scotts Bluff.....	Oct.	22	1895		186
North Platte R.	North River Irr. Dist.....	Oshkosh.....	North River Canal.....	Irrig.	64.71	14	18	47	Morrill.....	Feb.	24	1896		243
North Platte R.	North River Irr. Dist.....	Oshkosh.....	Oshkosh Canal.....	Irrig.	2.29	33	17	44	Garden.....	Feb.	24	1896		243-R
North Platte R.	Lisco Irrigation District	Lisco.....	Lisco Canal.....	Irrig.	9.00	14	18	47	Morrill.....	Feb.	24	1896		243
North Platte R.	Lees Creek Mutual Irrigation Company.....	Broadwater.....	Lamore Canal.....	Irrig.	20.00	34	19	48	Morrill.....	July	18	1896		327
North Platte R.	Steamboat Irr. Dist.....	Melbeta.....	Steamboat Canal.....	Irrig.	.86	4	21	54	Scotts Bluff.....	July	22	1896		350
North Platte R.	Gering Irrigation Dist.....	Gering.....	Gering Canal.....	Irrig.	208.62	4	23	58	Scotts Bluff.....	Mar.	15	1897		365
North Platte R.	Schermerhorn Irr. Co.....	Bridgeport.....	Schermerhorn Canal.....	Irrig.	29.71	16	20	51	Morrill.....	Oct.	25	1897		418
(Camp Clarke Seep and Red Willow Creek)	Schermerhorn Irrigation Company	Bridgeport.....	Schermerhorn Canal.....	O. D.	A-418	6	20	51	Morrill.....	Oct.	25	1897		2088
North Platte R.	Farmers Irrigation Dist.	Scottsbluff.....	Tri-State (Columbia) Canal	Irrig.	600.00	3	23	58	Scotts Bluff.....	Apr.	14	1902		660
North Platte R.	Secretary of Interior Bureau of Reclamation	Mitchell.....	Pathfinder Reservoir	Storage	†1070000	34	29	84	Wyoming.....	Sept.	19	1904		768
North Platte R.	Gering and Fort Laramie Irr. Dist.....	Mitchell.....	Gering and Fort Laramie Canal.....	Irrig.	1530.00	11	26	67	Wyoming.....	Sept.	19	1904		768
North Platte R.	Northport Irr. Dist.....	Bridgeport.....	Tri-State Canal.....	Irrig.	230.00	3	23	58	Scotts Bluff.....	Sept.	19	1904		768

†Acre feet per annum.
"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D			Yr.
North Platte R.	Pathfinder Irr. Dist.	Mitchell	Inter-State Canal	Irrig.	1643.00	11	26	65	Wyoming	Sept.	19	1904	768
North Platte R.	Liebhardt Brothers.	Denver	Empire Canal Enlarge- ment	Irrig.	1.00	18	20	51	Morrill	July	20	1907	866
North Platte R.	Lisco Irr. Dist.	Lisco	Lisco Canal	Irrig.	3.00	14	18	47	Garden	Apr.	6	1910	991
North Platte R.	French Ditch Co.	Hampton	French Canal	Irrig.	11.00	9	23	60	Wyoming	Dec.	21	1911	1149
North Platte R.	Dobson, W. A.	Carrolton, Mo.	Dobson Canal	Irrig.	1.15	5	20	52	Morrill	Feb.	28	1912	1181
(Red Willow Cr.)	Dobson, W. A.	Carrolton, Mo.	Dobson Lateral	Supple. A-1181		12	20	51	Morrill	Sept.	10	1915	1432-S
North Platte R.	Stone, Myron H.	San Diego, Cal.	Stone Canal	Irrig.	1.00	28	18	40	Morrill	Jan.	19	1915	1401
North Platte R.	French Ditch Co.	Hampton	French Canal	Irrig.	3.00	9	23	60	Wyoming	Sept.	11	1915	1433
North Platte River and Red Willow Creek	Dobson, W. A.	Carrolton, Mo.	Dobson Lateral	Irrig.	.25	5	20	52	Morrill	Nov.	3	1915	1436
North Platte R.	Liebhardt, Harry G.	Denver	Liebhardt Lateral	Irrig.	2.90	6	20	52	Morrill	Mar.	1	1916	1448
North Platte R.	Intermountain Railway Light and Power Co.	Colo. Springs.	Gering Hydro Electric Plant	Power	250.00	10	23	60	Wyoming	Apr.	15	1916	1452
North Platte R.	U. P. Railway Co.	Omaha	Locomotive Water Supply	Dom.	1.00	29	14	30	Lincoln	Jan.	19	1917	1472
North Platte R. (Blue Creek)	French Ditch Co. Robinson, A. A.	Hampton Gering	French Canal Midland-Overland Canal	Irrig. O. D.	.60	9	23	60	Wyoming	Mar.	20	1920	1581
North Platte R.	North Platte Water Department	North Platte	Water Supply	Steam	.125	29	14	30	Lincoln	Mar.	16	1927	1912
North Platte R.	Great Western Sugar Co.	Scottsbluff	Gering Factory	Mfg.	15.00	36	22	55	Morrill	Nov.	15	1928	2054
North Platte R.	Maddox, P. P., et al.	North Platte	Pawnee Canal	Irrig.		35	14	30	Lincoln	Nov.	24	1928	2055*

*Application pending.

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

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SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR [†] TED	S	T	R	County	Mo.	D			Yr.
North Platte R.	Great Western Sugar Co.	Scottsbluff	Gering Factory	O. D.	A-2054	26	22	55	Scotts Bluff	July	24	1930	2150		
North Platte R.	Chimney Rock Irr. Dist.	Bayard	Chimney Rock Canal	Irrig.	.67	1	20	53	Scotts Bluff	Feb.	2	1931	2190		
North Platte River, and Tributaries	Farmers Irr. Dist.	Scottsbluff	Farmers Irr. Dist. Power Plant	Power		10	23	58	Scotts Bluff	Nov.	17	1932	2291*		
North Platte R.	Glasgow, Anna	Gering	Gering-Fort Laramie Canal	Irrig.	2.11	11	26	65	Wyoming	July	19	1933	2336		
North Platte R.	Platte Valley Public Power and Irr. Dist.	North Platte	Sutherland Reservoir	Storage	†140000 AF	2	14	38	Keith	Jan.	13	1934	2350		
North Platte R.	Platte Valley Public Power and Irr. Dist.	North Platte	North Platte Regulating Reservoir	Storage	76000 AF	16	13	23	Lincoln	Jan.	13	1934	2352		
Reservoirs A-2350, A-2352 and North Platte River	Platte Valley Public Power and Irr. Dist.	North Platte	North Platte Power Plant	Power	975.00	2	14	38	Keith	Jan.	13	1934	2353		
North Platte R.	The Central Nebraska Public Power and Irr. Dist.	Hastings	Boxelder Reservoir, Cottonwood Reservoir and Snell Reservoir	Storage		32	13	30	Lincoln	Jan.	24	1934	2358*		

REPORT OF STATE ENGINEER

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
North Platte R.	Platte Valley Public Power and Irr. Dist.	North Platte	Sutherland Reservoir.....	Storage	†AF	2	14	38	Keith.....	Feb.	8	1934	.....	2361
North Platte R.	The Central Nebraska Public Power and Irr. Dist.	Hastings	Keystone Reservoir.....	Storage			15	38	Keith.....	Apr.	27	1934	.....	2374*
North Platte R.	Cooper, Wm. Miller	Gering	Gering-Fort Laramie Canal	Irrig.	1.46	11	26	65	Wyoming.....	May	5	1934	.....	2378
North Platte River, Barrow Pit, Tributary to	Taylor, A. O.	Minatare	Barrow Pit Canal	Irrig.	.29	19	21	52	Scotts Bluff.....	Apr.	23	1904	.....	751
Otter Creek	Deist, R. R.	Lemoine	Otter Creek (Cascade) Canal	Irrig.	3.33	5	15	40	Keith.....	Apr.	1	1891	1032	.....
Otter Creek	The Otter Creek Mutual Irr. Co.	Lemoine	Otter Creek Canal	Irrig.	10.71	5	15	40	Keith.....	May	24	1912	.....	1198
Otter Creek	The Otter Creek Mutual Irr. Co.	Lemoine	Otter Creek (Holcomb) Canal	Irrig.	15.49	5	15	40	Keith.....	Nov.	6	1912	.....	1
Otter Creek	The Otter Creek Mutual Irr. Co.	Lemoine	Otter Creek (Peterson) Canal	Irrig.	1.32	5	15	40	Keith.....	Nov.	6	1912	.....	1240
Owl Creek	Kellums, John H.	Morrill	Sunflower Canal	Irrig.	.79	12	22	58	Scotts Bluff.....	Sept.	17	1897	.....	411

*Application pending.

†Amount of water in acre feet pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Owl Creek.....	Kellums, John H.....	Morrill.....	Sunflower Canal.....	Irrig.	1.14	12	22	58	Scotts Bluff	Oct.	10	1904	.....	770
Owl Creek.....	Kellums, John H.....	Morrill.....	Sunflower Canal No. 2.....	Irrig.	1.14	12	22	58	Scotts Bluff	Nov.	29	1907	.....	879
Owl Creek.....	Kellums, John H.....	Morrill.....	Sunflower Canal No. 1.....	Irrig.	.57	12	22	58	Scotts Bluff	Nov.	29	1907	.....	881
Pawnee Creek.....	Kent-Burke Co.....	Genoa.....	Holcombe Canal.....	Irrig.	8.00	13	13	28	Lincoln.....	Oct.	18	1890	636	.....
Pawnee Creek.....	Kent-Burke Co.....	Genoa.....	Kent-Burke Canal.....	Irrig.	5.85	18	13	27	Lincoln.....	Nov.	16	1922	.....	1694
Pawnee Creek.....	Janssen, H.....	Gothenburg.....	Janssen Canal.....	Irrig.	8.42	20	13	27	Lincoln.....	Aug.	31	1931	.....	2231
Peden's Lake..... (Platte River)	Bean, Smith & Good.....	Cozad.....	Excell Canal.....	O. D.		12	11	23	Dawson.....	Sept.	16	1926	645b	1860
Platte River.....	Central Power Co.....	Grand Island.....	Kearney Canal.....	Irrig. Power	22.00	4	8	18	Buffalo.....	Sept.	10	1882	1023	.....
Platte River.....	Gothenburg Light and Power Co.....	Gothenburg.....	Gothenburg Canal.....	Irrig. Power	200.00	29	12	26	Lincoln.....	July	5	1890	645a	.....
Platte River.....	Kjar, Hans C., et al.....	Lexington.....	Dawson County Canal.....	Irrig.	7.00	18	10	23	Dawson.....	June	14	1894	621-R	.....
Platte River.....	Dawson County Irr. Co.....	Lexington.....	Dawson County Canal.....	Irrig.	1142.86	18	10	23	Dawson.....	June	26	1894	622	.....
(Buffalo Creek).....	Savins, Richard T.....	Lexington.....	Savins Pump.....	O. D.		22	10	21	Dawson.....	June	26	1894	622	1495
(Buffalo Creek).....	Doughty, Wm. T. and R. H.....	Lexington.....	Doughty Pump.....	O. D.		21	10	21	Dawson.....	June	26	1894	622	1648
(Buffalo Creek).....	Hodgson, Martha.....	Lexington.....	Hodgson Pump.....	O. D.		33	10	20	Dawson.....	June	26	1894	622	1868
Platte River.....	Beatty, H. T.....	Overton.....	Dawson County Canal.....	Irrig.	1.71	18	10	23	Dawson.....	Sept.	15	1894	624-R	.....
Platte River.....	Malm, T. H.....	Lexington.....	Dawson County Canal.....	Irrig.	9.14	18	10	23	Dawson.....	Sept.	15	1894	624-R	.....
Platte River.....	Fellers, R. C.....	Lexington.....	Dawson County Canal.....	Irrig.	.57	18	10	23	Dawson.....	Sept.	15	1894	624-R	.....
Platte River.....	Boyles, Carl J., et al.....	Overton.....	Dawson County Canal.....	Irrig.	1.14	18	10	23	Dawson.....	Sept.	15	1894	624-R	.....
Platte River.....	Peterson, Elizabeth.....	Lexington.....	Dawson County Canal.....	Irrig.	2.30	18	10	23	Dawson.....	Sept.	15	1894	624-R	.....

"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Platte River..... (Well)	Dawson County Irr. Co. Beatty, Henry M.....	Lexington..... Lexington.....	Dawson County Canal..... Beatty Well Pump.....	Irrig. O. D.	28.54	18	10	23	Dawson..... Dawson.....	Sept. Sept.	15 15	1894 1894	624-R 624	..... 2281
Platte River (Strever Creek)	Jurgenson, John.....	Overton.....	Jurgenson Canal.....	O. D.		35	9	20	Dawson.....	Sept.	15	1894	624	2049
Platte River..... (Dawson County Drainage Ditch No. 1)	Orthman, Vernon C.....	Lexington.....	Orthman Pump.....	O. D.		14	9	21	Dawson.....	Sept.	15	1894	624	2129
Platte River..... (Peden's Lake)...	Gothenburg Light and Power Co..... Bean, Smith and Good.....	Gothenburg..... Cozad.....	Gothenburg Canal..... Excell Canal.....	Irrig. O. D.	240.00	29	12	26	Lincoln..... Dawson.....	Sept. Sept.	22 22	1894 1894	645b 645b	..... 1860
Platte River..... (Gothenburg Power Waste)	Janssen, R. E.....	Gothenburg.....	Janssen Pump.....	O. D.		10	11	25	Dawson.....	July	22	1933	645a	2337*
Platte River.....	Six Mile Ditch Co.....	Gothenburg.....	Six Mile Canal.....	Irrig.	40.00	11	11	26	Lincoln.....	Oct.	22	1894	680	.....
Platte River.....	Cozad Irr. Co.....	Cozad.....	Cozad Canal.....	Irrig.	294.50	16	11	25	Dawson.....	Dec.	28	1894	626	.....
Platte River.....	South Side Irr. Co.....	Cozad.....	Orchard-Alfalfa Canal.....	Irrig.	85.00	9	10	24	Dawson.....	Jan.	23	1895	627	.....
Platte River.....	Central Power Co.....	Grand Island.....	Central Power Plant.....	Power	485.00	3	8	18	Kearney.....	Feb.	12	1920	.....	1577
Platte River.....	Central Power Co.....	Grand Island.....	Central Power Company Steam Plant.....	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.....	Peaker, Howard.....	Kearney.....	Kearney Tail Race (Pump).....	O. D.		11	8	16	Buffalo.....	May	8	1924	1023	1744
Platte River.....	Faught, Carl E.....	Cozad.....	Faught Pump.....	Irrig.	.80	9	10	24	Dawson.....	Oct.	20	1925	.....	1784
Platte River, South Channel	Johnson, P. L.....	Hastings.....	Johnson Pump.....	Irrig.	2.56	1	8	13	Adams.....	Feb.	13	1926	.....	1796

*Application pending.
"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
Platte River, North Channel.....	Hagge, Fred, et al.....	Grand Island.....	Hagge Pump	Irrig.	4.58	28	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.....	Robertson, Nina.....	Cozad.....	Robertson Pump.....	Irrig.	.74	9	10	24	Dawson.....	Nov.	2	1926	.....	1870
Platte River.....	Van Nortwick, Mrs. Wesley	Cozad	Van Nortwick Pump.....	Irrig.	2.36	15	10	24	Dawson.....	July	18	1927	.....	1942
Platte River.....	Frost, Matts.....	Overton.....	Frost Canal.....	Irrig.	1.43	16	9	20	Dawson.....	Sept.	3	1927	.....	1957
Platte River.....	Priel, W. M.....	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.....	Schulz Pump.....	Irrig.	2.10	20	12	27	Lincoln.....	Oct.	1	1928	.....	2038
Platte River.....	Berquist, J. T., et al.....	Lexington.....	Dawson County Canal.....	Irrig.	91.11	18	10	23	Dawson.....	Oct.	3	1928	.....	2039
(Strever Creek)	Wengler, J. P.....	Overton.....	Wengler Canal.....	O. D.	A-2039	27	9	20	Dawson.....	Oct.	3	1928	.....	2101
Platte River.....	Strever, James B.....	Cozad.....	Cozad Canal.....	Irrig.	1.00	15	11	25	Dawson.....	Oct.	20	1928	.....	2050
Platte River.....	Carter, Wm.....	Cozad.....	Cozad Canal.....	Irrig.	2.28	15	11	25	Dawson.....	Dec.	7	1928	.....	2056
Platte River.....	Thirty Mile Canal Co.....	Gothenburg.....	Thirty Mile Canal.....	Irrig.	4.57	30	12	26	Lincoln.....	Apr.	9	1929	.....	2077
Platte River.....	Pettitt, Joe, et al.....	Elm Creek.....	Dawson County Canal.....	Irrig.	3.00	18	10	23	Buffalo.....	Aug.	3	1929	.....	2093
Platte River.....	Elm Creek Ditch Co.....	Elm Creek.....	Elm Creek Canal.....	Irrig.	227.00	6	8	19	Dawson.....	Sept.	17	1929	.....	2104
Platte River.....	Dawson County Irr. Co.....	Lexington.....	Dawson County Canal Enlargement	Irrig.	284.91	18	10	23	Dawson.....	Oct.	25	1929	.....	2110
Platte River.....	Dawson County Irr. Co.....	Lexington.....	Beatty Lateral.....	Irrig.	14.21	18	10	23	Dawson.....	June	14	1930	.....	2145
Platte River.....	Eavey, W. J.....	Hastings.....	Eavey Pump.....	Irrig.	1.70	3	12	27	Lincoln.....	Feb.	20	1931	.....	2191
Platte River.....	Dawson County Irr. Co.....	Lexington.....	Dawson County Canal Enlargement	Irrig.	12.71	18	10	23	Dawson.....	Mar.	1	1932	.....	2262
Platte River.....	The Central Nebraska Public Power and Irr. Dist.	Hastings.....	Upper and Lower Plum Creek Reservoirs.....	Storage		8	13	29	Lincoln.....	Jan.	13	1934	.....	2351*

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Platte River.....	The Central Nebraska Public Power and Irr. Dist.	Hastings.....	Snell Power Plant, Ppper Plum Creek Power Plant and Lower Plum Creek Power Plant.....	Power		8	13	29	Lincoln.....	Jan.	13	1934		2354*
Platte River.....	The Central Nebraska Public Power and Irr. Dist.	Hastings.....	The Central Nebraska Public Power and Irr. Dist. Project.....	Irrig.		8	13	29	Lincoln.....	Jan.	13	1934		2355*
						2	8	21	Gosper.....					
						17	8	15	Kearney.....					
Plum Creek.....	Roblee, L. O.....	Lewellen.....	Plum Creek Reservoir.....	Irrig.	.16	23	16	42	Garden.....	Jan.	12	1914		1344
Plum Creek.....	Roblee, L. O.....	Lewellen.....	Plum Creek Reservoir.....	Irrig.	.40	14	16	42	Garden.....	Jan.	12	1914		1344-R
Prairie Creek.....	MacQueen, Glen D.....	Silver Creek.....	Braeside Pump.....	Irrig.	7.89	29	16	3	Merrick.....	Sept.	8	1931		2235
Pumpkinseed Cr.	Kelley, Wm. J.....	Harrisburg.....	Kelley Canal	Irrig.	1.43	5	19	54	Banner.....	May	10	1886	915	
Pumpkinseed Cr.	Zingg, Henry N.....	Platte Center.....	Heard Canals No. 1 and No. 2	Irrig.	1.29	14	19	54	Banner.....	June	1	1887	916	
Pumpkinseed Cr.	Olsen, Albert H.....	Harrisburg.....	Logan Canal	Irrig.	4.00	7	19	55	Banner.....	July	16	1890	902	
Pumpkinseed Cr.	Court House Rock Co.....	Bridgeport.....	Court House Rock Canal	Irrig.	30.50	30	19	50	Morrill.....	Oct.	8	1890	840	
Pumpkinseed Cr.	Court House Rock Co.....	Bridgeport.....	Court House Rock Canal	Irrig.		30	19	50	Morrill.....	Oct.	8	1890	1028	
Pumpkinseed Cr.	Nielsen, Eiler S. and Halvor G.....	Bridgeport.....	Smith-Wheeler South Canal	Irrig.	1.57	26	19	51	Morrill.....	Oct.	16	1890	842a	
Pumpkinseed Cr.	Mutual Ditch Co.....	Redington.....	Mutual Canal	Irrig.	8.57	33	19	52	Morrill.....	Nov.	1	1890	843	

*Application pending.
"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR'TED	County			Mo.	D	Yr.		
							S	T	R					
Pumpkinseed Cr.	Sweet, S. R.	Bridgeport	Meredith-Ammer Canal	Irrig.	14.00	23	19	50	Morrill	Feb.	20	1893	876	.....
Pumpkinseed Cr.	Finn and Trott	Bridgeport	Last Chance Canal	Irrig.	6.33	27	19	50	Morrill	Apr.	12	1894	883	.....
Pumpkinseed Cr.	McCord, Mrs. Gracie A.	San Bernardino, Cal.	Round House Rock Canal	Irrig.	2.77	28	19	51	Morrill	May	29	1894	884	.....
Pumpkinseed Cr.	Nunn, Rose	Bridgeport	Round House Rock Canal	Irrig.	.23	27	19	51	Morrill	May	29	1894	884-R	.....
Pumpkinseed Cr.	Quinn, T. E.	Bridgeport	Bird Cage Canal	Irrig.	1.00	20	19	51	Morrill	June	1	1895	892	.....
Pumpkinseed Cr.	Nielsen, Eiler S. and Halvor G.	Bridgeport	Smith-Wheeler North Canal	Irrig.	.71	26	19	51	Morrill	June	1	1896	842b	.....
Pumpkinseed Cr.	Cluck, Millard	Harrisburg	Peter Canal	Irrig.	2.57	2	19	56	Banner	July	1	1902	913	.....
Pumpkinseed Cr.	Airedale Ranch & Cattle Co.	Scottsbluff	Airedale Canal No. 1	Irrig.	5.52	1	19	55	Banner	Jan.	24	1903	.....	698
Pumpkinseed Cr.	Airedale Ranch & Cattle Co.	Scottsbluff	Airedale Canal No. 2	Irrig.	3.22	1	19	55	Banner	Jan.	24	1903	.....	699
Pumpkinseed Cr.	Gifford, Owen	Gering	Reservoirs Nos. 1, 2 and 3	Irrig. Storage	1.31	7	19	55	Banner	June	24	1903	.....	711
Pumpkinseed Cr.	Seybolt, Albert	Bridgeport	Swanger Canal	Irrig.	.43	30	19	50	Morrill	Feb.	28	1907	.....	851
Pumpkinseed Cr.	Airedale Ranch & Cattle Co.	Scottsbluff	Airedale Canal No. 2	Irrig.	1.49	1	19	55	Banner	Oct.	26	1911	.....	1133
Pumpkinseed Cr.	Airedale Ranch & Cattle Co.	Scottsbluff	Airedale Canal No. 1	Irrig.	.51	2	19	55	Banner	Sept.	4	1914	.....	1380
Pumpkinseed Cr.	Airedale Ranch & Cattle Co.	Scottsbluff	Airedale Canal No. 3	Irrig.	4.41	2	19	55	Banner	Mar.	15	1918	.....	1508

"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'ED	S	T	R	County	Mo.	D			Yr.
Pumpkinseed Cr.	Quinn, T. E.	Bridgeport.....	Quinn Canal	Irrig.	.23	20	19	51	Morrill.....	Oct.	15	1919	.....	1561
Pumpkinseed Cr.	Sears, Willis G.	Omaha.....	Sears Pump	Irrig.	1.68	23	19	53	Banner.....	Dec.	20	1929	.....	2117
Pumpkinseed Cr.	Sears, Willis G.	Omaha.....	Sears Pump	Irrig.		25	19	53	Banner.....	June	2	1932	.....	2272*
Pumpkinseed Cr.	Reuter, Leonard	Bridgeport.....	Court House Rock Canal Enlargement	Irrig.	.08	30	19	50	Morrill.....	Apr.	11	1933	.....	2315
Red Willow Creek (No. Platte R.)	Alliance Irr. Dist.	Bridgeport.....	Alliance Canal	O. D.		6	20	51	Morrill.....	Aug.	5	1915	874	1429	
Red Willow Creek (No. Platte R.)	Dobson, W. A.	Carrolton, Mo.	Dobson Lateral	Irrig.	.87	12	20	51	Morrill.....	Sept.	10	1915	.....	1432
Red Willow Creek and North Platte River	Dobson, W. A.	Carrolton, Mo.	Dobson Lateral	Supple. A-1181		12	20	51	Morrill.....	Sept.	10	1915	.....	1432
Red Willow Creek and North Platte River	Dobson, W. A.	Carrolton, Mo.	Dobson Lateral	Irrig.	.26	12	20	51	Morrill.....	Nov.	3	1915	.....	1436
Red Willow Creek and Camp Clark Seep (No. Platte R.)	Schermerhorn Irr. Co.	Bridgeport.....	Schermerhorn Canal	O. D.	A-418	6	20	51	Morrill.....	June	22	1929	.....	2088
Sand Creek.....	Harris, Arch	Lemoyne.....	Patrick Canal	Irrig.	2.43	10	15	40	Keith.....	May	31	1891	725	.....
Sand Creek.....	Nissen, Peter	Lemoyne.....	Nissen Canal	Irrig.	3.07	10	15	40	Keith.....	Mar.	18	1901	.....	606
Seep from Lake.....	Huffman, M. J.	Gering.....	Huffman Canal	Irrig.	6.43	26	21	54	Scotts Bluff.....	Mar.	19	1909	.....	937
Scheutz Springs, Trib. to Green- wood Creek	Scheutz, Louis	Dalton.....	Scheutz Canal	Irrig.	.21	28	18	50	Morrill.....	May	10	1892	881	.....

*Application pending.

DEPARTMENT OF ROADS AND IRRIGATION

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR ^T ED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Sheep Creek.....	Nash, Charles A.....	Henry.....	Little Moon Canal	Irrig.	1.00	10	24	58	Sioux.....	Mar.	23	1904	.....	745
Sheep Creek.....	Covert, Pitt.....	Cheyenne, Wyo.....	Nebraska Reservoir	Irrig.	3.57	36	27	58	Sioux.....	May	18	1907	.....	859
Sheep Creek.....	Carpenter and Broadbent	Morrill.....	West Fork Canal.....	Irrig.	5.14	1	26	58	Sioux.....	Sept.	21	1907	.....	871
Sheep Creek.....	Cunningham, H. D.....	Exeter.....	Lower Canal.....	Irrig.	.37	11	25	58	Sioux.....	Nov.	2	1907	.....	875
Sheep Creek.....	Carpenter and Broadbent	Morrill.....	Horse Camp Reservoir.....	Irrig.	.43	36	27	58	Sioux.....	Jan.	20	1908	.....	885
(No. Platte R.)	Sheep Creek Lateral Co.	Morrill.....	Sheep Creek Lateral.....	O. D.		8	23	57	Scotts Bluff.....	Feb.	26	1912	918	1176
Sheep Creek.....	Sheep Creek Lateral Co.	Morrill.....	Sheep Creek Lateral.....	Irrig.	.10	8	23	57	Scotts Bluff.....	Feb.	26	1912	.....	1176
(No. Platte R.)	Sheep Creek Lateral Co.	Morrill.....	Sheep Creek Lateral.....	O. D.		8	23	57	Scotts Bluff.....	Jan.	12	1915	918	1398
(No. Platte R.)	Ramshorn Irr. Dist.....	Morrill.....	Ramshorn Canal	O. D.		20	23	57	Scotts Bluff.....	Sept.	12	1916	945	1465
						21	23	57						
Sheep Creek, Draw, Tribu- tary to Sheep Creek Drain	Sheep Creek Lateral Co.	Morrill	Sheep Creek Lateral.....	Irrig.	.28	8	23	57	Scotts Bluff.....	Feb.	20	1915	.....	1403
	Morrill and Sons.....	Scottsbluff.....	Morrill and Sons Power Plant	Power		21	23	57	Scotts Bluff.....	Jan.	13	1933	.....	2296*
Slough, Warm.....	Johnson, Abram M.....	Gibbon.....	Johnson Pump	Irrig.	.50	30	9	13	Buffalo.....	Feb.	20	1923	.....	1707
Skunk Creek.....	Knight, H. H.....	Keystone.....	Miller Canal	Irrig.	2.29	1	14	37	Keith.....	Apr.	1	1895	740	.....
Skunk Creek.....	Maddox, P. P.....	North Platte.....	Skunk Cr. Canal.....	Irrig.	3.36	6	14	36	Keith.....	Nov.	5	1909	.....	968
Snake Creek.....	Kilpatrick Brothers.....	Beatrice	Oasis Canal	Irrig.	54.86	6	24	51	Box Butte.....	June	6	1894	567	.....

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR [†] TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Snake Creek	Kilpatrick Brothers	Beatrice	Kilpatrick Reservoir No. 1	Storage	†1500 AF	1	24	52	Box Butte	June	7	1911	.....	1104
(Reservoir A-1104)	Kilpatrick Brothers	Beatrice	Kilpatrick Reservoir No. 1	Irrig.	200.00	6	24	51	Box Butte	Jan.	25	1912	.....	1159
So. Platte River	Hollingsworth, Clark	Ogallala	Hollingsworth Canal	Irrig.	30.00	7	13	38	Keith	June	5	1894	723	.....
So. Platte River	Reck, Wm. J.	Big Springs	Miller-Warren Canal	Irrig.	.57	7	12	42	Deuel	Jan.	5	1895	805	.....
So. Platte River	Meyer, Henry	Brule	Meyer Canal	Irrig.	1.46	22	13	40	Keith	Apr.	14	1896	.....	283
So. Platte River	Western Irr. Dist.	Big Springs	Western Canal	Irrig.	†120.00	29	13	41	Keith	June	14	1897	.....	393
So. Platte River	Beal, Orvill	Brule	Beal Power Plant	Power	17.60	20	13	40	Keith	Sept.	20	1921	.....	1619
So. Platte River	Beal, Orvill	Brule	Beal Canal	Irrig.	5.16	20	13	40	Keith	Sept.	20	1921	.....	1620
So. Platte River	Goodall, Robt., et al.	Ogallala		Storage					Deuel	Dec.	17	1921	.....	1630*
So. Platte River	Western Irr. Dist.	Big Springs	Western Canal	Irrig.	11.43	29	13	41	Keith	Apr.	13	1926	.....	1804
So. Platte River	Junge, M. F.	Big Springs	Junge Canal	Irrig.	1.07	31	13	41	Keith	Sept.	11	1926	.....	1857
So. Platte River	Paxton Irr. Dist.	Paxton	Paxton Canal	Irrig.	70.19	1	13	38	Keith	Nov.	22	1926	.....	1874
Spotted Tail, Dry (No. Platte R.)	Hrasky, Frank & Chas.	Mitchell	Roberts Canal	O. D.		16	23	56	Scotts Bluff	Nov.	6	1912	918	1241
Spotted Tail, Dry	Great Western Sugar Co.	Scottsbluff	Mitchell Factory	Mfg.	15.00	20	23	56	Scotts Bluff	Mar.	24	1920	.....	1582
Spotted Tail, Wet (No. Platte R.)	Stewart, H. G.	Mitchell	Stewart Canal	O. D.		10	23	56	Scotts Bluff	May	2	1898	918	449

*Application pending.

†Acre feet per annum.

‡120.00 second feet stipulated under Colorado-Nebraska South Platte River compact.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR ¹	T ²	R	County	Mo.	D	Yr.		
Spotted Tail, Wet	Storz, G.	Omaha	Stewart Reservoir	Irrig.	1.59	26	24	56	Scotts Bluff	Mar.	2	1904	743	
Spotted Tail, Wet	Storz, G.	Omaha	Brown Canal	Irrig.	2.28	2	23	56	Scotts Bluff	Mar.	17	1911	1072	
Spotted Tail, Wet	Young, Thos. H.	Mitchell	Spring Creek Reservoir	Ice	†152A	27	23	56	Scotts Bluff	Feb.	3	1920	1642	
Springs, tributary to North Platte River	Gatch, Chas.	Melbeta	Gatch Canal	Irrig.	.93	25	21	54	Scotts Bluff	Aug.	21	1912	1220	
Spring Branch	Brogan Brothers	Keystone	Brogan Brothers Canal	Irrig.	.57	35	15	37	Keith	Sept.	24	1897	410	
Spring Creek	Barden, Wm. E.	Redington	Barden Pump	Irrig.	.89	11	18	52	Morrill	June	17	1929	2086	
Spring Creek	U. P. Railway Co.	Omaha	Frazier Lake	Ice	4.00	35	14	30	Lincoln	Sept.	6	1907	868	
Spring Creek	Otter Creek Mutual Irr. Co.	Lemoyne	Spring Creek Canal	Irrig.	.57	12	15	40	Keith	June	18	1894	724	
Spring Creek	Coyner, S. C.	Keystone	Coyner Canal	Irrig.		6	14	37	Keith	Apr.	21	1934	2374*	
Spring Creek, Little	Keystone Irr. Co.	Keystone	Little Spring Canal	Irrig.	.57	29	15	37	Keith	Apr.	1	1902	659	
Spring Creek, Little	Beatty, Wallace D.	Scottsbluff	Shramek Canal	Irrig.	1.50	22	22	55	Scotts Bluff	June	9	1913	1295	
Spring Creek, Little	Gilchrist, M. B.	Scottsbluff	Gilchrist Canal	Irrig.	.14	22	22	55	Scotts Bluff	July	29	1913	1310	
Spring Creek, Little	Scottsbluff Inv. Co.	Scottsbluff	Shramek Canal Enlargement	Irrig.	.57	22	22	55	Scotts Bluff	July	30	1917	1492	

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D			Yr.
Spring Creek, Little	Nelson, Wm.	Scottsbluff	Shramek Canal Enlargement	Irrig.	.14	22	22	55	Scotts Bluff	June	3	1918	1515
Strever Creek (Buffalo Creek)	Jensen, Anton	Cozad	Jensen Canal	Irrig.	.56	23	11	23	Dawson	July	27	1925	1772
Strever Creek (Buffalo Creek)	Anders, Ida M.	Cozad	Anders Canal	Irrig.	1.10	23	11	23	Dawson	July	27	1925	1773
Strever Creek (Buffalo Creek)	Gardner, H. C.	Cozad	Gardner Pump	Irrig.	1.00	30	12	23	Dawson	Apr.	11	1927	1924
Strever Creek (Buffalo Creek)	Siebenaler, Mat.	Elm Creek	Siebenaler Pump	Irrig.	2.31	6	8	19	Dawson	Nov.	22	1927	1969
Strever Creek (Buffalo Creek)	Jurgenson, John	Overton	Jurgenson Canal	O. D.		35	9	20	Dawson	Oct.	19	1928	624 2049
Strever Creek (Buffalo Creek)	Beatty, Harry T.	Overton	Beatty Canal	Irrig.	1.13	18	9	20	Dawson	June	3	1929	2083
Strever Creek (Platte River)	Peterson, P. R.	Lexington	Peterson Pump	Irrig.	1.11	18	9	20	Dawson	Aug.	8	1929	2094
Strever Creek	Wengler, J. P.	Overton	Wengler Canal	O. D.	A-2039	27	9	20	Dawson	Oct.	3	1928	2101
Strever Creek	Bend, John T.	Overton	Bend Canal	Irrig.	1.63	36	9	20	Dawson	Aug.	26	1929	2099
Strever Creek	Jurgenson, Henry	Overton	Jurgenson Pump	Irrig.	1.03	35	9	20	Dawson	May	7	1931	2202
Toohey Drain (No. Platte R.)	Fanning, Leo T.	Mitchell	Fanning Pump	O. D.		20	23	56	Scotts Bluff	June	25	1934	920 2413
White Horse Cr.	Tobin Inv. Co. and Herrod, Catherine	North Platte	Lamlough Lake	Irrig.	2.86	8	14	30	Lincoln	Dec.	31	1883	658

DEPARTMENT OF ROADS AND IRRIGATION

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
White Horse Cr.	Bratt, John, Estate of	North Platte.	Bratt Canal	Irrig.	5.60	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	McCarthy, J. M.	Keystone	McCarthy Canal	Irrig.	1.00	36	15	38	Keith	July	15	1890	749	.....
White Tail Creek	McGinley, Geo., et al.	Keystone	Halloway-Phelps Canal	Irrig.	3.86	36	15	38	Keith	June	1	1893	717	.....
White Tail Creek	McGinley, Geo., et al.	Keystone	Foster-Keystone Canal	Irrig.	8.57	26	15	38	Keith	Oct.	30	1894	730	.....
White Tail Creek	Noble, Bert A.	Keystone	Reed Canal	Irrig.	.57	15	15	38	Keith	May	15	1895	751	.....
White Tail Creek	Keystone Irr. Co.	Keystone	Keystone Canal	Irrig.	38.70	26	15	38	Keith	Apr.	26	1902	.....	662b
White Tail Creek	Coyner, S. C.	Keystone	Coyner Canal	Irrig.	.30	36	15	38	Keith	Apr.	26	1902	.....	662b-R
White Tail Creek	Keystone Irr. Co.	Keystone	Keystone Canal	Irrig.	4.30	26	15	38	Keith	Nov.	30	1906	.....	843
White Tail Creek	Keystone Irr. Co.	Keystone	Keystone Canal	Irrig.	7.41	26	15	38	Keith	May	27	1910	.....	1003
Willow Creek	Banner County Bank	Harrisburg	Willow Springs Canal No. 1	Irrig.	.57	16	19	56	Banner	Jan.	21	1902	.....	650
Willow Creek	Banner County Bank	Harrisburg	Willow Springs Canal No. 2	Irrig.	.86	16	19	56	Banner	Jan.	21	1902	.....	651
Willow Creek	Cross, Inez V.	Harrisburg	Cross Canal	Irrig.	1.70	16	19	56	Banner	May	8	1926	.....	1808
Willow Creek	Stafford, Margaret	Sarben	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.		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	.....
(No. Platte R.)	Winters Creek Irr. Co.	Scottsbluff	Winters Cr. Canal	O. D.		19	22	54	Scotts Bluff	Feb.	9	1916	952	1446
Winters Creek	Great Western Sugar Co.	Scottsbluff	Scottsbluff Factory	Mfg.	15.00	19	22	54	Scotts Bluff	Oct.	4	1920	.....	1592

*Application pending.
"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Winters Creek... (No. Platte R.)	Enterprise Irr. Dist.....	Scottsbluff.....	Winters Creek Canal.....	O. D.		8	22	54	Scotts Bluff.....	June	18	1934	920	2409
Wood River.....	Ashburn, J. N.....	Gibbon.....	Ashburn Canal.....	Power	40.00	13	9	14	Buffalo.....	Nov.	1	1873	993	.....
Wood River.....	Bearss, Guy S.....	Kearney.....	Bearss Canal.....	Power	25.40	13	9	16	Buffalo.....	May	1	1881	995	.....
Wood River.....	Klein, J. J.....	Kearney.....	White Bridge Park.....	Irrig.	.03	8	9	15	Buffalo.....	Mar.	14	1900	.....	545a
Wood River.....	Klein, J. J.....	Kearney.....	White Bridge Park.....	Power	10.00	8	9	15	Buffalo.....	Mar.	14	1900	.....	545b
Wood River.....	Jacobsen, C. A.....	Riverdale.....	Jacobsen 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.....	Jacobsen, C. A.....	Riverdale.....	Jacobsen Reservoir.....	Storage	79000	31	10	16	Buffalo.....	Feb.	3	1920	.....	1576
					AF									
Wood River.....	Haug, James.....	Shelton.....	Haug Pump.....	Irrig.	.64	9	9	13	Buffalo.....	Sept.	7	1920	.....	1590
Wood River.....	Peterson, C.....	Shelton.....	Peterson Pump.....	Irrig.	1.07	10	9	13	Buffalo.....	July	11	1921	.....	1611
Wood River.....	Nutter, M. D.....	Shelton.....	Nutter Pump.....	Irrig.	2.28	8	9	13	Buffalo.....	Aug.	29	1921	.....	1616
Wood River.....	Rodgers, J. H.....	Gibbon.....	Rodgers Pump.....	Irrig.	.30	14	9	14	Buffalo.....	Feb.	4	1922	.....	1641
Wood River.....	Nebr. Conf. Assn. of Seven Day Adventists	Shelton.....	Shelton Academy Pump.....	Irrig.	1.90	31	10	12	Hall.....	Feb.	16	1922	.....	1643
Wood River.....	Haug, James.....	Shelton.....	Haug Pump No. 2.....	Irrig.	.92	9	9	13	Buffalo.....	Feb.	28	1922	.....	1644
Wood River.....	Hallen, Hjalmar.....	Kearney.....	Hallen Reservoir.....	Storage	72 AF	5	9	16	Buffalo.....	Apr.	4	1922	.....	1654
Wood River.....	Hallen, Hjalmar.....	Kearney.....	Hallen Dam.....	Irrig.	.47	5	9	16	Buffalo.....	Apr.	17	1922	.....	1656
Wood River.....	Durtschi, Rudolph.....	Wood River.....	Durtschi Pump.....	Irrig.	1.37	18	10	11	Hall.....	May	22	1922	.....	1668
Wood River.....	Howe, Lloyd M.....	Wood River.....	Howe Pump.....	Irrig.	.54	17	10	11	Hall.....	July	14	1922	.....	1679
Wood River.....	Wilson, C. M.....	Omaha.....	Wilson Pump.....	Irrig.	1.21	14	9	15	Buffalo.....	Nov.	15	1922	.....	1693
Wood River.....	Smith, Evan F.....	Shelton.....	Smith Pump.....	Irrig.	1.04	1	9	13	Buffalo.....	Jan.	12	1923	.....	1702
Wood River.....	Ross, W. M.....	Gibbon.....	Ross Pump.....	Irrig.	.26	13	9	14	Buffalo.....	Apr.	28	1924	.....	1743
Wood River.....	Nebraska Securities Corporation	Omaha.....	Foley Pump.....	Irrig.	1.76	36	10	17	Buffalo.....	Dec.	2	1924	.....	1753

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.	D			Yr.
Wood River.....	Richardson, Frank.....	Gibbon.....	Richardson Pump.....	Irrig.	.49	13	9	14	Buffalo.....	Sept.	8	1925	.....	1780
Wood River.....	Wilcox, Eva C.....	Gibbon.....	Wilcox Pump.....	Irrig.	.90	8	9	13	Buffalo.....	Jan.	22	1926	.....	1793
Wood River.....	Nutter, John N.....	Gibbon.....	Darby Pump.....	Irrig.	.64	8	9	13	Buffalo.....	Feb.	10	1926	.....	1794
Wood River.....	Kirk, I. A.....	Gibbon.....	Kirk Pump.....	Irrig.	2.57	14	9	14	Buffalo.....	Feb.	23	1926	.....	1797
						16	9	14							
Wood River.....	Langan, Thos.....	Wood River.....	Langan Pump.....	Irrig.	1.14	19	10	11	Hall.....	Mar.	19	1926	.....	1800
Wood River.....	McConnell, M. C.....	Gibbon.....	McConnell Pump.....	Irrig.	3.43	7	9	13	Buffalo.....	Apr.	21	1926	.....	1805
Wood River.....	Mercer, Howard R.....	Gibbon.....	Mercer Pump.....	Irrig.	.80	9	9	14	Buffalo.....	May	25	1926	.....	1814
Wood River.....	Oliver Bros.....	Shelton.....	Wood River Pump.....	Irrig.	1.57	2	9	13	Buffalo.....	June	15	1926	.....	1818
Wood River.....	Carlson, Carl E.....	Shelton.....	Carlson Pump.....	Irrig.	1.10	35	10	13	Buffalo.....	July	19	1926	.....	1830
Wood River.....	Hayman, O. O.....	Shelton.....	Hayman Pump.....	Irrig.	.57	4	9	13	Buffalo.....	July	20	1926	.....	1831
Wood River.....	Power & Son.....	Gibbon.....	Power Pump.....	Irrig.	.41	13	9	14	Buffalo.....	July	24	1926	.....	1834
Wood River.....	Schnoor, Jacob.....	Amherst.....	Schnoor Pump.....	Irrig.	.80	16	10	17	Buffalo.....	Oct.	18	1926	.....	1867
Wood River.....	Oliver, Henry E. Jr.....	Shelton.....	Oliver Pump.....	Irrig.	.86	9	9	13	Buffalo.....	Feb.	29	1928	.....	1987
Wood River.....	Nickel, Emil.....	Kearney.....	Nickel Pump.....	Irrig.	1.95	12	9	16	Buffalo.....	July	16	1930	.....	2148
Wood River.....	Abels, Carl H.....	Amherst.....	Abels Pump.....	Irrig.	1.23	6	10	17	Buffalo.....	Jan.	10	1931	.....	2186

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
Arickaree River...	Jenkins, Chas. T.....	Haigler.....	Haigler Reservoir Canal	Irrig.	171.00	15	1	42	State of Colorado.....	Jan.	21	1910	.....	979
Askey Lake Tributary to Republican River	Pleas, Walter P.....	Oxford.....	Pleas Pump.....	Irrig.	2.31	5	3	21	Furnas.....	Jan.	4	1930	.....	2120
Beaver Creek	Newton, Thos. F.....	Beaver City.....	Newton Pump.....	Irrig.	.97	10	2	21	Furnas.....	Apr.	11	1927	.....	1923
Beaver Creek	Versaw, Paul E.....	Beaver City.....	Versaw Pump.....	Irrig.	1.22	22	2	23	Furnas.....	Feb.	11	1928	.....	1982
Beaver Creek	Weber, John.....	Lebanon.....	Weber Pump.....	Irrig.	1.43	17	1	26	Red Willow.....	Aug.	8	1930	.....	2156
Beaver Creek	Fletcher, G. W.....	Beaver City.....	Fletcher Pump.....	Irrig.	.43	24	2	23	Furnas.....	Aug.	8	1933	.....	2342
Bell Creek Tributary to Republican River	Bell, J. E.....	Superior.....	Valley Reservoir.....	Storage	†300 AF	29	1	6	Nuckolls.....	Apr.	30	1928	.....	2013
Berger Creek (See School Cr.)	Sughroue, Edward.....	Indianola.....	Sughroue Pump.....	Irrig.	.64	15	3	27	Red Willow.....	Aug.	16	1932	.....	2280
Buffalo Creek	Allen, B. Frank, et al.....	Haigler.....	Allen-Larned Canal.....	Irrig.	6.00	18	1	40	Dundy.....	Oct.	16	1890	117	.....
Buffalo Creek	Porter & Son, J. R.....	Haigler.....	Porter Canal.....	Irrig.	2.68	1	1	41	Dundy.....	Nov.	26	1893	171	.....
Buffalo Creek	Jenkins, Chas. T.....	Haigler.....	Jenkins Canal No. 1.....	Irrig.	4.29	18	1	40	Dundy.....	Dec.	12	1908	.....	924
Buffalo Creek	Porter Land & Inv. Co.....	Haigler.....	Porter Canal.....	Irrig.	3.32	1	1	41	Dundy.....	June	23	1913	.....	1298
Brush Creek	Lofton, Frank S.....	McCook.....	Brush Creek Reservoir.....	Storage	†1250 AF	3	2	29	Red Willow.....	June	1	1912	.....	1201

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Bushy Creek	Young, Lee	Maywood	Young Canal	Irrig.	.20	33	8	29	Frontier	Apr.	5	1927	.....	1921
Canyon No. 10 (Frenchman River)	Wacker, Geo.	Culbertson	Wacker Canal	O. D.		17	3	31	Hitchcock	Sept.	4	1918	10	1523
Canyon No. 10 (Frenchman River)	Crews, C. G.	Culbertson	Farmers Canal	O. D.		17	3	31	Hitchcock	Jan.	21	1920	10	1573
Center Creek	Gregory, A. B. & P. C.	Franklin	Gregory Canal	Irrig.	2.00	1	1	15	Franklin	Aug.	11	1894	182	.....
Center Creek	Joy, C. G., et al	Franklin	Blank & Joy Canal	Irrig.	2.82	1	1	15	Franklin	Aug.	17	1928	.....	2025
Cook Creek	Haskell, W. G., Estate of	Alma	Cook Creek Canal	Irrig.	2.20	33	2	18	Harlan	July	21	1917	.....	1491
Cook Creek	Shaffer, Frank	Alma	Shaffer Canal	Irrig.	1.08	33	2	18	Harlan	July	10	1918	.....	1517
Cook Creek	Shaffer, Frank	Alma	Shaffer Reservoir	Storage	†4.4F	23	2	18	Harlan	Aug.	24	1918	.....	1522
Cottonwood, Big	Morlan, Henry, Estate of	Bloomington	Bloomington Canal	Irrig.	.50	25	2	16	Franklin	Dec.	31	1881	185	.....
Cottonwood, Big	Siegel, Benj. E.	Bloomington	Bloomington Mill	Power Irrig.	6.00 1.57	25	2	16	Franklin	Nov.	23	1898	.....	483
Cottonwood, Little	Gardner, C. D.	Bloomington	Gardner Canal	Irrig.	1.14	6	1	15	Franklin	Mar.	20	1922	.....	1647
Cottonwood, Little	Bradshaw, Geo. F.	Bloomington	Home Irr. Plant.	Irrig.	.23	6	1	15	Franklin	Apr.	27	1922	.....	1661
Craig Creek	Hoylman, M. B.	Naponee	Hoylman Canal	Irrig.	1.69	14	1	17	Harlan	Aug.	1	1927	.....	1948

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.		
						GR [†] TED	S	T	R	County	Mo.			D	Yr.
Crooked Creek.....	Kaley, C. H.....	Red Cloud.....	Fish Pond.....	Fish	1.00	1	1	11	Webster.....	May	7	1902	.....	665
Crooked Creek.....	Slawson, E. R.....	Red Cloud.....	Slawson Ice Pond.....	Storage	†5AF	1	1	11	Webster.....	Aug.	8	1912	.....	1213
Crooked Creek.....	Perry, Lora B.....	Red Cloud.....	Weesner Canal.....	Irrig.	.30	2	11	36	Webster.....	June	23	1925	.....	1765
Crystal Springs.....	Newbold, W. G.....	Riverton.....	Crystal Springs Canal.....	Irrig.	.28	10	2	13	Franklin.....	Aug.	17	1921	.....	1615
Crystal Springs.....	Newbold, Wm. G.....	Riverton.....	North Spring Canal.....	Irrig.	.09	10	2	13	Franklin.....	July	27	1932	.....	2278
Curtis Creek.....	Nelson, D. O. & H. L.	Curtis.....	Nelson Pump.....	Irrig.	.27	36	8	28	Frontier.....	Apr.	19	1927	.....	1927
Deep Creek.....	Runck, John J.....	Orleans.....	Runck Pump No. 2.....	Irrig.	.65	22	3	20	Harlan.....	Sept.	18	1928	.....	2030
Driftwood Creek.....	Schmitz, Mrs. J. A.....	McCook.....	Schmitz Canal.....	Irrig.	1.50	12	2	30	Red Willow.....	May	3	1913	.....	1287
Driftwood Creek.....	Hesterworth, John T. Estate of.....	McCook.....	Hesterworth Canal.....	Irrig.	1.00	14	2	30	Red Willow.....	Nov.	17	1913	.....	1332
Driftwood Creek.....	Wasson, Monroe A.....	McCook.....	Sylvan Dell Canal.....	Irrig.	1.82	1	2	30	Red Willow.....	Dec.	6	1913	.....	1340
Elk Creek.....	Murray, Esther.....	Arapahoe.....	Murray Canal.....	Irrig.	2.85	11	4	23	Furnas.....	Aug.	13	1913	.....	1315
Elm Creek.....	Rasser, Wm. and Walter	Red Cloud.....	Rasser Canal.....	Irrig.	1.02	3	1	10	Webster.....	Jan.	24	1934	.....	2357
Fox Creek.....	Nebraska School of Agriculture.....	Curtis.....	Nebraska Agriculture School Project.....	Irrig.		21	8	28	Frontier.....	July	27	1934	.....	2446*
Frenchman River.....	Athey, H. E.....	Wauneta.....	Wauneta Mills.....	Power	35.00	11	5	36	Chase.....	July	31	1886	178	.....
Frenchman River.....	Daschosifsky, G.....	Lamar.....	Lamar Rolling Mills.....	Power	30.00	18	6	40	Chase.....	Dec.	30	1887	1013	.....

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Frenchman River	M. H. Yaw, Estate of	Champion	Champion Mills	Power	28.30	21	6	39	Chase	Dec.	31	1887	179	.....
Frenchman River	Sheridan, Ellen T.	McCook	Aberdeen Canal	Irrig.	2.00	3	5	38	Chase	July	1	1888	50a	.....
Frenchman River	Grosbach, H. H. and Rose	Wauneta	Harlan Canal	Irrig.	2.00	1	5	38	Chase	July	1	1888	56	.....
Frenchman River and Stinking Water Creek	Frenchman Valley Irr. Dist.	Culbertson	Culbertson Canal	Irrig.	215.00	31	5	33	Hayes	May	16	1890	24-25-29-30	.....
Frenchman River	Kilpatrick Brothers	Beatrice	Champion Canal	Irrig.	\$24.00	23	6	40	Chase	Dec.	23	1890	47	.....
Frenchman River	Sheridan, Ellen T.	McCook	Aberdeen Canal	Irrig.	.50	3	5	38	Chase	Feb.	2	1891	50b	.....
Frenchman River (Canyon No. 10)	Farmers Canal Co.	Culbertson	Farmers Canal	Irrig.	10.00	11	3	32	Hitchcock	Dec.	19	1893	10	.....
Frenchman River (Canyon No. 10)	Wacker, Geo.	Culbertson	Wacker Canal	O. D.		17	3	31	Hitchcock	Dec.	19	1893	10	1523
Frenchman River	Crews, C. G.	Culbertson	Farmers Canal	O. D.		17	3	31	Hitchcock	Dec.	19	1893	10	1573
Frenchman River	Fuller, C. D.	Imperial	Fuller Canal	Irrig.	25.00	4	5	3	Chase	June	12	1894	62	.....
Frenchman River	Riverside Irr. Co.	Culbertson	Riverside Canal	Irrig.	12.00	33	4	32	Hitchcock	July	28	1894	18	.....
Frenchman River	Dissmore, Geo. A.	Des Moines	Frenchman Val. Canal	Irrig.	10.00	31	5	33	Hayes	Aug.	23	1894	38	.....
Frenchman River	Grosbach, H. H. and Rose	Wauneta	Gould Canal	Irrig.	2.00	1	5	38	Chase	Oct.	9	1894	67	.....
Frenchman River	Maranville, E., et al.	Champion	Maranville Canal	Irrig.	6.00	12	6	41	Chase	Dec.	8	1894	70-71	.....
Frenchman River	Wise, J. S.	Palisade	Wise Canal	Irrig.	2.00	15	5	35	Hayes	Dec.	28	1894	42	.....
Frenchman River	Woods, John & Francis	Wauneta	North Guernsey Canal	Irrig.	5.00	3	5	37	Chase	Jan.	14	1895	74	.....
Frenchman River	Woods, John & Francis	Wauneta	South Guernsey Canal	Irrig.	24.00	10	5	37	Chase	Jan.	14	1895	75	.....
Frenchman River	Inman, Norton	Champion	Inman Canal	Irrig.	1.50	17	6	40	Chase	Feb.	28	1895	79	.....
Frenchman River	Kilpatrick Brothers	Beatrice	North Side Canal	Irrig.	.79	21	6	39	Chase	Feb.	25	1896	.....	246
Frenchman River	Shallenberger, Geo.	Elwood	Shallenberger Canal	Irrig.	1.77	25	6	39	Chase	Dec.	21	1897	.....	423
Frenchman River	Inman Irr. Co.	Imperial	Inman Canal	Irrig.	6.43	17	6	40	Chase	Feb.	10	1898	.....	436
Frenchman River	Hoke, J. A., Estate of	Champion	Hoke Power Plant	Power	34.40	21	6	39	Chase	Dec.	12	1900	.....	591
Frenchman River	Follett-Krotter	Palisade	Follett-Krotter Pump	Irrig.	4.29	35	5	34	Hayes	Apr.	30	1903	.....	705

§This amount affirmed by Supreme Court.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR [†] TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Frenchman River	Follett-Krotter	Palisade	Follett-Krotter Pump	Irrig.	2.57	35	5	34	Hayes	Aug.	11	1903	720	
Frenchman River	Hagerman, Wm	Hamlet	Hagerman Canal	Irrig.	.86	19	5	34	Hayes	Mar.	11	1909	935	
Frenchman River	Krotter, F. C.	Palisade	Follett-Krotter Canal	Irrig.	10.46	35	5	34	Hayes	Jan.	15	1910	975	
Frenchman River	Krotter, F. C.	Palisade	Krotter Power Plant	Power	55.00	35	5	34	Hayes	Aug.	17	1910	1021	
Frenchman River	Krotter, F. C.	Palisade	Krotter Power Plant No. 3	Irrig.	2.42	35	5	34	Hayes	Dec.	15	1910	1047	
Frenchman River	Hoke, J. A., Estate of	Champion	Hoke Canal	Irrig.	2.28	21	6	39	Chase	May	1	1911	1094	
Frenchman River	Kilpatrick Brothers	Beatrice	Kilpatrick Reservoir No. 1	Storage	†1000	23	6	40	Chase	June	22	1911	1108	
(Reservoir A-1108)	Kilpatrick Brothers	Beatrice	Kilpatrick Reservoir	Irrig.	AF	17.00	30	6	39	Chase	June	22	1911	1160
Frenchman River	Sheridan, Ellen T., et al	McCook	Aberdeen Canal Enlargement	Irrig.	1.57	3	5	38	Chase	July	29	1911	1117	
Frenchman River	Theobald and Athey	Wauneta	Wauneta Power Plant	Power	75.00	11	5	36	Chase	Nov.	16	1911	1136	
Frenchman River	Arteburn, E. E.	Lincoln	Arteburn Storage Reservoir	Storage	†1176	11	6	41	Chase	Nov.	28	1911	1142	
Frenchman River	Bishop, Stephen S.	Lincoln	Inman Storage Reservoir	Storage	AF	†2540	17	6	40	Chase	Dec.	8	1911	1145
Frenchman River	Oliver Bros.	Wauneta	Oliver Bros. Pow. Plant	Power	50.00	7	5	35	Hayes	Apr.	28	1913	1284	
Frenchman River	Oliver Bros.	Wauneta	Oliver Bros. Canal	Irrig.	3.20	7	5	35	Hayes	Apr.	28	1913	1285	
Frenchman River	Krotter, F. C.	Palisade	Krotter Power Plant	Power	65.00	35	5	34	Hayes	Dec.	2	1913	1339	
Frenchman River	Village of Imperial	Imperial	Imperial Power Plant	Power	55.00	25	6	39	Chase	Feb.	7	1917	1474	
Frenchman River	Shallenberger, O. P.	Imperial	Lake Imperial	Irrig.	4.57	25	6	39	Chase	May	14	1917	1487	
Frenchman River	Riverside Ditch Co.	Culbertson	Riverside Canal	Irrig.	2.90	33	4	32	Hitchcock	July	3	1922	1674	
Frenchman River	Severns, Fred	Palisade	Severns Pump	Irrig.	2.01	9	4	33	Hitchcock	Sept.	11	1926	1856	

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR [†] TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Frenchman River	Krotter, F. C.	Palisade	Krotter-Imperial Reservoir	Storage	†23700 AF	3	5	38	Chase	Feb.	10	1928	.....	1979
Frenchman River	Krotter, F. C.	Palisade	Krotter-Imperial Power Plant	Power	50.00	3	5	38	Chase	Feb.	10	1928	.....	1980
Frenchman River	Wauneta Light and Power Co.	Wauneta	Wauneta Power Plant	Rs. dam	D-178 A-1136	11	5	36	Chase	May	7	1928	.....	2015
Frenchman River	Oliver Bros.	Wauneta	Oliver Brothers Power Plant	Rs. dam	A-1284	7	5	35	Hayes	Jan.	16	1929	.....	2061
Frenchman River	Krotter, F. C.	Palisade	Follett-Krotter Canal Enlargement	Irrig.	2.98	35	5	34	Hayes	Jan.	6	1933	.....	2294
Frenchman River	Grosbach, H. H. and Rose	Wauneta	Harlan Canal	Irrig.	1.26	32	6	37	Chase	July	11	1933	.....	2331
Frenchman River	Grosbach and Williams	Wauneta	Grosbach-Williams Power Plant	Power	75.00	5	5	37	Chase	July	27	1933	.....	2338
Horse Creek	Pringle, Geo. N.	Parks	Horse Creek Canal	Irrig.	1.86	23	1	39	Dundy	Aug.	31	1885	159	.....
Horse Creek, Tributary to	Pringle, Geo. N.	Parks	Pringle Canal	Irrig.	1.57	14	1	39	Dundy	May	11	1906	173	824
Indian Creek	Thompson and Van Sickle	Benkelman	Thompson-Van Sickle Canal	Irrig.	.93	8	2	37	Dundy	June	20	1895	.....	237
Indian Creek	Chamberlain, J. C.	Mt. Sterling, Illinois	Chamberlain Canal	Irrig.	.06	18	2	36	Dundy	Oct.	4	1895	.....	240

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
Indian Creek (Rock Canyon Creek)	Foster, Chas.	Max.	Wilson Canal	Irrig.	1.42	23	2	36	Dundy	June	22	1895	.....	268
Indian Creek	Stonberg, Sanford	Max.	Stonberg Canal	Irrig.	1.00	2	2	37	Dundy	Mar.	13	1911	.....	1070
Indian Creek	Phillip, Daniel	Red Cloud	Phillip Pump	Irrig.	2.21	21	2	11	Webster	Jan.	9	1926	.....	1791
Indian Creek	Ramey, O. E.	Red Cloud	Ramey Pump	Irrig.	3.87	20	2	11	Webster	Jan.	19	1926	.....	1792
Indian Creek	Daniels, E. E.	Max.	Daniels Canal	Irrig.	.03	23	2	36	Dundy	Sept.	9	1926	.....	1854
Macklin Creek, Tributary to Republican R.	Bradley, Francis E.	Trenton	Bradley Pump	Irrig.	.36	1	2	34	Hitchcock	Mar.	7	1928	.....	1989
Macklin Creek, Tributary to Republican R.	Thuman, A.	Trenton	Cemer Pump	Irrig.	.09	36	3	34	Hitchcock	Mar.	28	1928	.....	1992
Mauer Springs	C. B. & Q. R. R. Co.	Lincoln	Burlington Pipe Line	Dom.	1.48	23	2	11	Webster	Nov.	28	1911	.....	1143
Medicine Creek	Cambridge Milling Co.	Cambridge	Cambridge Canal	Power	68.00	29	4	25	Furnas	Dec.	31	1878	92-93	.....
Medicine Creek	Sanders, John L.	Stockville	Sanders Canal	Irrig.	1.43	27	7	27	Frontier	Feb.	18	1895	83	.....
Medicine Creek	Crete Mills	Curtis	Curtis Lake	Power		32	8	28	Frontier				364*	.....
Medicine Creek	Cambridge-Arapahoe Irr. and Improvement Co.	Arapahoe	Cambridge-Arapahoe Canal	Irrig.	170.00	29	4	25	Furnas	Dec.	7	1897	89	.....
Medicine Creek	Maywood Mill Co.	Maywood	Maywood Mills	Power	11.88	16	8	29	Frontier	May	4	1907	.....	858
Medicine Creek	Nelson, Elmer F.	Holdrege	Nelson Pump	Irrig.	.61	21	8	29	Frontier	Oct.	2	1926	.....	1865
Medicine Creek	Game, Forestation and Parks Commission	Lincoln	Wellfleet Pleasure Resort	Resort	†80A	16	9	30	Lincoln	June	15	1931	.....	2210

*Claim not adjudicated.

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Medicine Creek.....	Towne, W. E.....	Maywood.....	Towne Pump.....	Irrig.		25	8	29	Frontier.....	Oct.	13	1934	.....	2487*
Muddy Creek.....	Larson, Oscar F.....	Arapahoe.....	Larson Pump.....	Irrig.	3.53	17	4	23	Furnas.....	Feb.	9	1927	.....	1898
Muddy Creek.....	Michel, Geo. N.....	Arapahoe.....	Michel Pump.....	Irrig.	.29	15	4	23	Furnas.....	Oct.	13	1928	.....	2042
Red Willow Creek	Helm, John F.....	McCook.....	Helm Canal.....	Irrig.	.93	8	3	28	Red Willow.....	Dec.	15	1910	.....	1042
Red Willow Creek	Hadley, Flora B.....	McCook.....	Hadley Canal.....	Irrig.	8.43	16	3	28	Red Willow.....	Oct.	22	1927	.....	1964
Red Willow Creek	Fitzgerald, Elmer.....	Hayes Center	Fitzgerald Pump.....	Irrig.		21	8	32	Hayes.....	July	27	1934	.....	2447*
Red Willow Lake	Cooper, Jas.....	Wallace.....	Red Willow Canal.....	Irrig.	2.00	36	9	33	Lincoln.....	Dec.	20	1893	647	.....
Republican River	Western Public Service Co.	Scottsbluff.....	Arapahoe Star Mills.....	Power	196.00	27	4	23	Furnas.....	July	24	1879	1029	.....
Republican River	Kirtland, E. S.....	Orleans.....	Orleans Mill and Elevator	Power		27	2	19	Harlan.....					1043**
Republican River	Carson, A.....	McCook.....	Carson Canal No. 1.....	Irrig.	1.43	27	3	30	Red Willow.....	July	1	1888	103	.....
Republican River	Pioneer Irr. Dist.....	Haigler.....	Haigler Canal.....	Irrig.	\$50.00	2	1	43	Yuma, Colo.....	Apr.	4	1890	1025	.....
Republican River	Brown, W. A.....	Haigler.....	Sand Point Canal.....	Irrig.	11.00	11	1	42	Dundy.....	Sept.	25	1890	115	.....
Republican River	Dundy County Irr. Co..	Benkelman.....	Dundy County Canal.....	Irrig.	45.00	24	1	39	Dundy.....	Nov.	22	1890	118	.....
Republican River	Trite, W. H., et al.....	Culbertson.....	Prites-Davenport Canal	Irrig.	7.00	19	3	31	Hitchcock.....	Dec.	18	1890	3	.....
Republican River	McCook Irr. and Water Power Co.	McCook.....	Meeker Canal.....	Irrig.	143.00	15	3	31	Hitchcock.....	Dec.	22	1890	4-9-8-7	.....
Republican River	Trenton Farmers Irr. Association	Trenton.....	Trenton Farmers Canal	Irrig.	32.00	10	2	34	Hitchcock.....	Dec.	24	1890	5	.....
Republican River	Carson, A.....	McCook.....	Carson Canal No. 2.....	Irrig.	18.00	27	3	30	Red Willow.....	May	5	1891	102	.....
Republican River	Neighbors, E. G.....	Benkelman.....	Neighbors Canal.....	Irrig.	2.86	24	1	39	Dundy.....	Mar.	18	1891	133	.....

*Application pending.

‡Amount affirmed by U. S. Supreme Court: 35.00 second feet for Nebraska; 15.00 second feet for Colorado.

**Claim not adjudicated.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR [†]	S	T	R	County	Mo.	D			Yr.
Republican River	Republican Irr. Co.	Benkelman	Republican River Canal	Irrig.	30.00	29	1	38	Dundy	May	2	1892	147	}
Republican River	Larned, W. H., et al.	Haigler	White-Larned Canal	Irrig.	3.00	22	1	40	Dundy	Apr.	29	1893	150		148
Republican River	Marr, Lorenzo	Culbertson	Marr Canal	Irrig.	4.29	16	3	31	Hitchcock	Jan.	22	1894	11	
Republican River	Anderson, Anders	Max	Anderson Canal	Irrig.	1.90	1	1	37	Dundy	Jan.	26	1894	151	
Republican River	Thomas, A. J.	Haigler	Thomas Canal	Irrig.	2.00	23	1	40	Dundy	June	5	1894	154	
Republican River	Ballard, Henry L.	Oxford	Ballard Canal	Irrig.	8.0 [†]	8	3	21	Furnas	June	9	1894	91	
Republican River	Wilcox, F. S.	McCook	Wilcox Canal	Irrig.	4.50	32	3	29	Red Willow	Oct.	4	1894	109	
Republican River	Delaware-Hickman Ditch Co.	Benkelman	Delaware-Hickman Can.	Irrig.	20.00	17	1	37	Dundy	Jan.	7	1895	157	
Republican River	Allen, E. M., et al.	Arapahoe	Allen Canal	Irrig.	14.00	2	3	26	Red Willow	Jan.	26	1895	110	
Republican River	Spooners, J. A.	Parks	Private Canal	Irrig.	1.00	25	1	40	Dundy	Oct.	7	1897		413
Republican River	Hamilton, Henry L.	McCook	Harmon Canal	Ice	10.00	32	3	29	Red Willow	Jan.	22	1900		535
Republican River	Walsh, Patrick	McCook	Walsh Canal	Irrig.	11.00	35	3	30	Red Willow	Jan.	31	1900		537
Republican River	Rogers, W. N.	McCook	Shadeland Park Canal	Irrig.	38.00	26	3	29	Red Willow	Jan.	3	1911		1049
Republican River	McConnell Brothers	Trenton	McConnell Brothers Canal	Irrig.	180.00	10	2	34	Hitchcock	Jan.	23	1911		1055
Republican River	Hurst, J. C., et al.	Trenton	Hurst-Day Canal	Irrig.	7.00	28	2	35	Hitchcock	Mar.	2	1911		1068
Republican River	Cappel, Geo.	McCook	Cappel Canal	Irrig.	1.57	19	3	30	Red Willow	May	1	1911		1093
Republican River	Rogers, W. N.	McCook	Shadeland Park Canal	Irrig.	7.00	25	3	29	Red Willow	Sept.	28	1911		1129
Republican River	Anderson, C., et al.	Benkelman	Cottonwood Canal	Irrig.	3.35	6	1	36	Dundy	Feb.	19	1912		1172
Republican River	Rupert Ditch Co.	Culbertson	Rupert Canal	Irrig.	20.00	32	3	32	Red Willow	Apr.	1	1912		1192
Republican River	Pringle, Geo. N.	Parks	Parks Canal	Irrig.	17.00	20	1	39	Dundy	June	18	1912		1202
Republican River	Bartlett, Wm. C.	Alma	Lake Disappointment	Storage	†180A	F 32	2	18	Harlan	Dec.	18	1915		1442
Republican River	Everson, P. M. and Mitchell, J. C.	Alma	Everson Canal	Irrig.	1.07	13	2	18	Harlan	Dec.	18	1915		1443
Republican River	Pringle, Geo. N.	Parks	Parks Canal	Irrig.	2.00	20	1	39	Dundy	Dec.	31	1915		1444

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR	T	R	County	Mo.	D	Yr.		
Republican River	Pringle, Geo. N.	Parks	Parks Enlargement	Irrig.	1.14	20	1	39	Dundy	Sept.	5	1919	1555	
Republican River	Ham, Roy O.	Benkelman	Ham Canal	Irrig.	3.47	9	1	37	Dundy	Sept.	14	1921	1618	
Republican River	Campbell, W. E.	Trenton	Campbell Canal	Irrig.	9.27	9	2	34	Dundy	Nov.	26	1921	1627	
Republican River	Crews, L. E.	Haigler	Crews Canal No. 2	Irrig.	2.59	20	1	41	Dundy	Mar.	29	1923	1709	
Republican River	Luther, Walter	Cambridge	Dunlay Pump	Irrig.	5.00	26	2	19	Harlan	July	8	1925	1768	
Republican River	Fischback, Geo.	Orleans	Fischback Pump	Irrig.	1.58	33	2	19	Harlan	Aug.	27	1925	1778	
Republican River	Stevenson, L. E.	Alma	Stevenson Pump	Irrig.	6.34	5	1	18	Harlan	Sept.	30	1925	1781	
Republican River	Drummond, Dean	Republican City	Drummond Pump	Irrig.	2.37	11	1	17	Harlan	Oct.	13	1925	1782	
Republican River	Scott, C. E.	Alma	Scott Pump	Irrig.	3.37	36	2	19	Harlan	Dec.	22	1925	1789	
Republican River	Haeker, K. G.	Alma	Haeker Pump	Irrig.	4.60	35	2	19	Harlan	Mar.	2	1926	1798	
Republican River	Peterson, Elam	Orleans	Republican Valley Pump	Irrig.	2.06	27	3	20	Harlan	June	18	1926	1821	
Republican River	Olson, L.	Orleans	Lake View Project	Irrig.	2.50	27	3	20	Harlan	June	29	1926	1824	
Republican River	Crews, L. E.	Haigler	Crews North Side Canal No. 3	Irrig.	4.00	20	1	41	Dundy	June	30	1926	1826	
Republican River	Worden, Dorsey	Superior	Worden Brothers Pump	Irrig.	1.04	1	6	32	Nuckolls	Sept.	23	1926	1862	
Republican River	Workman, Rich	Republican City	Workman Pump	Irrig.	1.10	16	1	17	Harlan	Jan.	19	1927	1886	
Republican River	Sheffrey, C. E.	Oxford	Sheffrey Pump	Irrig.	1.85	16	3	20	Harlan	Feb.	28	1927	1906	
Republican River	Wintersteen, V. L.	Republican City	Wintersteen Pump	Irrig.	.11	12	1	17	Harlan	Mar.	17	1927	1914	
Republican River	Best, John H.	Oxford	Best Pump	Irrig.	1.33	27	3	20	Harlan	June	30	1927	1936	
Republican River	Wilson, J. F., Jr.	Guide Rock	Wilson Pump	Irrig.	.57	14	1	9	Webster	July	8	1927	1937	
Republican River	Romjue, Carl M.	Red Cloud	Romjue Pump	Irrig.	2.03	12	1	11	Webster	Apr.	16	1928	2005	
Republican River	Jansen, Wm.	Superior	Jansen Pump	Irrig.	1.60	29	1	7	Nuckolls	May	14	1928	2017	
Republican River	Runck, John J.	Orleans	Runck Pump No. 1	Irrig.	3.29	22	3	20	Harlan	Sept.	18	1928	2029	
Republican River	Keifer, J. Warren, Jr.	Bostwick	Keifer Canal No. 1	Irrig.	9.83	21	1	8	Nuckolls	Sept.	22	1930	2167	

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	E	County	Mo.	D			Yr.
Republican River	Furry, Cameron J.	Franklin	Furry Pump	Irrig.	2.26	12	1	15	Franklin	Nov.	10	1930	.....	2171
Republican River	Keifer, J. Warren, Jr.	Bostwick	Keifer Canal No. 2	Irrig.	9.15	26	1	8	Nuckolls	Nov.	17	1930	.....	2175
Republican River	Hevner, Clyde W.	Franklin	Hevner Pump	Irrig.	4.66	6	1	14	Franklin	Aug.	5	1931	.....	2224
Republican River	Mendell, B. C.	Superior	Mendell Canal	Irrig.	2.61	35	1	7	Nuckolls	Sept.	7	1932	.....	2283
Republican River	Fischback, George	Orleans	Fischback Pump No. 1 Enlargement	Irrig.		33	2	19	Harlan	Feb.	15	1933	.....	2304
Republican River	Hill, Roy E.	Edison	Hill Pump	Irrig.	1.86	33	4	22	Furnas	Mar.	29	1933	.....	2314
Republican River	Arneson, F. L.	Inavale	Valley Grove Pump	Irrig.	.97	2	1	12	Webster	Apr.	17	1933	.....	2318
Republican River	Broeker, A. F.	Edison	Broeker Pump	Irrig.	.57	33	4	22	Furnas	July	12	1933	.....	2332
Republican River	Sherwood, Margaret M.	Oxford	Sherwood Pump	Irrig.	.97	12	3	21	Furnas	July	19	1933	.....	2333
Republican River	Fritzer, G. E.	Edison	Fritzer Pump	Irrig.	1.29	32	4	22	Furnas	Aug.	3	1933	.....	2340
(Tail Race D-1036)	Thompson, E. M.	Superior	Thompson Pump	Irrig.		34	1	7	Nuckolls	Mar.	8	1934	.....	2367
Republican River	Mayfield, L. L.	Edison	Mayfield Pump	Irrig.	1.17	35	4	22	Furnas	June	8	1934	.....	2403
Republican River	Best, John	Oxford	Best Pump	Irrig.		36	4	22	Furnas	Nov.	9	1934	.....	2492*
Republican River, South Fork	Southern Nebraska Power Co.	Superior	Guthrie Canal	Power	400.00	34	1	7	Nuckolls	Sept.	1	1877	1036	.....
Republican River, South Fork	Karr, J. W.	Benkelman	Karr Canal	Irrig.	2.00	20	1	37	Dundy	July	28	1894	155	.....
Republican River, South Fork	Riverside Ditch Co.	Benkelman	Riverside Canal	Irrig.	13.00	29	1	37	Dundy	Aug.	5	1894	156	.....
Republican River, South Fork	McDonald, J. A.	Benkelman	McDonald Canal	Irrig.	.79	36	1	38	Dundy	Nov.	13	1901	.....	644

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY		DOC. NO.	APP. NO.		
						GR'TED	S	T	R	County	Mo.			D	Yr.
Republican River, South Fork.....	Bailey, W. J.....	Oxford.....	Bailey Canal.....	Irrig.	64.00	6	3	21	Furnas.....	Sept.	8	1913	.....	1321
Republican River, Springs, Tributary to	Pringle, Esther L.....	Parks.....	Pringle Canal.....	Irrig.	.57	11	1	39	Dundy.....	Jan.	12	1897	.....	364
Rock Creek.....	Kara Cattle Co.....	Denver.....	Phelan Canal.....	Irrig.	4.29	17	1	39	Dundy.....	Dec.	31	1883	138	.....
Rock Creek.....	Owens, J. S., et al.....	Parks.....	Owen Canal.....	Irrig.	36.00	31	2	39	Dundy.....	June	20	1895	.....	265
Rock Creek.....	Campbell, R. R.....	Parks.....	Rock Creek Canal.....	Irrig.	33.00	13	2	40	Dundy.....	Dec.	18	1899	.....	526
Rock Creek.....	Benkelman Light Assn.	Benkelman	Benkelman Pow. Plant	Power	20.00	8	1	39	Dundy.....	Nov.	30	1912	.....	1245
Rock Creek.....	Pringle, Geo. N.....	Parks.....	Parks Canal Enlarge- ment.....	Supple.		17	1	39	Dundy.....	June	29	1921	.....	1609
Rock Creek (Reservoir A-2246)	Kara Cattle Company.....	Parks.....	Kara Lake.....	Storage	†480AF	20	1	39	Dundy.....	Oct.	31	1931	.....	2246
Rock Creek.....	Kara Cattle Company.....	Parks.....	Kara Lake Reservoir.....	Irrig.		20	1	39	Dundy.....	Oct.	31	1931	.....	2480*
Rock Creek.....	Game, Forestation and Parks Commission.....	Lincoln.....	Rock Creek Lake.....	Fish	†511AF	6	1	39	Dundy.....	Feb.	28	1934	.....	2366
Rock Cannon Creek.....	Rudisell, L. C.....	Benkelman.....	Rudisell Dam.....	Storage	†10AF	35	3	37	Harlan.....	Nov.	26	1927	.....	1970
Sappa Creek.....	Zulauf, Geo. W.....	Stamford.....	Stamford Mills.....	Power		21	2	20	Harlan.....				997**		
Sappa Creek.....	Flodine, A. L.....	Stamford.....	Flodine Pump.....	Irrig.	1.55	19	2	20	Harlan.....	Sept.	9	1926	.....	1855
Sappa Creek.....	Fults, J. F.....	Beaver City.....	Fults Pump.....	Irrig.	1.48	13	1	23	Furnas.....	Apr.	6	1927	.....	1922
Sappa Creek.....	Winslow, Orin E.....	Beaver City.....	Winslow Pump.....	Irrig.	.86	15	1	22	Furnas.....	Feb.	10	1932	.....	2252
Sappa Creek.....	Johnson, Edw. E.....	Orleans.....	Sappa Valley Pump.....	Irrig.	1.09	124	2	20	Harlan.....	May	23	1934	.....	2385

*Application pending.
†Acre feet per annum.
**Claim not adjudicated.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
School Creek..... (See Berger Creek)	Sughroue, Edward.....	Indianola.....	Sughroue Pump.....	Irrig.	.32	15	3	27	Red Willow.....	Aug.	16	1932	.....	2280
Spring Creek.....	Carlou, J. C.....	Benkelman.....	Benkelman Canal.....	Irrig.	1.29	19	1	37	Dundy.....	Dec.	31	1896	.....	373
Spring Creek.....	Twin Lakes Company.....	Benkelman.....	Twin Lakes Reservoir.....	Storage	7.7	34	2	38	Dundy.....	Apr.	16	1930	.....	2133
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 & Taylor.....	Imperial.....	McLain Canal.....	Irrig.	2.43	28	7	37	Chase.....	Sept.	24	1894	65	.....
Stinking Water Creek.....	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal No. 7	Irrig.	4.57	36	7	37	Chase.....	Dec.	21	1894	72 } 175 }	.....
Stinking Water Creek.....	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal No. 6	Irrig.	2.00	13	7	38	Chase.....	Jan.	28	1895	76	.....
Stinking Water Creek.....	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal No. 5	Irrig.	1.50	14	7	38	Chase.....	Jan.	29	1895	77	.....
Stinking Water Creek.....	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal No. 3	Irrig.	1.71	14	7	38	Chase.....	Jan.	29	1895	78	.....
Stinking Water Creek.....	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal No. 4	Irrig.	.91	14	7	38	Chase.....	June	27	1895	.....	56

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR [†] TED	S	T	R	County	Mo.			D	Yr.
Stinking Water Creek	Kilpatrick Brothers	Beatrice	Chase County Land and Live Stock Canal No. 1	Irrig.	.70	4	7	38	Chase	June	27	1895	.....	57
Stinking Water Creek	Krotter, F. C.	Palisade	Krotter Power Plant	Irrig.	3.00	25	5	34	Hayes	Dec.	15	1910	.....	1046
Turkey Creek	Wilt and Polly	Naponee	Wilt and Polly Canal	Power		4	1	16	Franklin	Dec.	31	1874	183	.....
Turkey Creek	Carpenter, Henry	Edison	Carpenter Canal	Irrig.	.71	30	4	21	Furnas	Sept.	18	1926	.....	1861
Turkey Creek	Watson, John W. E.	Oxford	Watson Pump	Irrig.	2.80	31	4	21	Furnas	Nov.	30	1926	.....	1876
Turkey Creek	Post, Walter A.	Naponee	Post Pump	Irrig.	1.90	8	1	16	Furnas	May	27	1927	.....	1933
Turkey Creek	Johnson, Mathew H.	Oxford	Johnson Pump	Irrig.	1.18	5	3	21	Furnas	May	30	1927	.....	1934
Turkey Creek	Wengert, J. H.	Oxford	Wengert Pump	Irrig.	.94	4	3	21	Harlan	July	9	1927	.....	1938
Turkey Creek	Mishler, W. C.	Edison	Mishler Pump	Irrig.		25	5	22	Gosper	June	7	1934	.....	2401
Turkey Creek	Jeffrey, Geo. R.	Santa Rosa, Cal.	Jeffrey Pump	Irrig.		8	1	16	Franklin	Nov.	16	1934	.....	2494*
Turkey Creek, Stream Tributary to	Sindt, Henry	Naponee	Sindt Pump	Irrig.	1.00	17	2	16	Franklin	July	30	1926	.....	1838
Valley Home Creek	Lunt, W. A.	Superior	Lunt Reservoir	Storage	†2304 AF	28	1	6	Nuckolls	Nov.	19	1930	.....	2176
(Reservoir A-2176)	Lunt, W. A.	Superior	Lunt Reservoir Canal	Irrig.	2.20	28	1	6	Nuckolls	May	4	1931	.....	2201

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR	T	R	County	No.	D			Yr.
Little Blue River	Southern Nebraska Power Co.	Superior	Oak Mill Race	Power		16	3	5	Nuckolls				991**	
Little Blue River	Buzzard, O. S.	Ayr.	Crystal Lake	Storage	‡32AF	27	6	10	Adams	Aug.	17	1912		1219
Little Blue River	Lyon, Geo. Jr.	Nelson	Lyon Little Blue Electric Co.	Power	150.00	29	4	6	Nuckolls	Apr.	26	1915		1410
Little Blue River	Lyon, Geo. Jr.	Nelson	Lyon Canal	Irrig.	4.00	18	4	6	Nuckolls	Apr.	26	1915		1411
Little Blue River	Southern Nebraska Power Co.	Superior	Meyer Hydro. Elec. Power Plant	Power	150.00	16	3	5	Nuckolls	July	27	1916		1467
Little Blue River	Buzzard, O. S.	Ayr.	Crystal Lake	Irrig.	.70	27	6	10	Adams	Nov.	9	1918		1526
Little Blue River	Bozarth-Carter	Hebron	Hebron Power Plant	Power	216.00	9	2	2	Thayer	Mar.	31	1919		1538
Little Blue River	Campbell, J. T.	Hebron	Blue Valley Power Co.	Power	200.00	5	2	1	Thayer	May	28	1919		1542
Little Blue River	Buzzard, O. S.	Ayr.	Larkins and Son Canal	Power	1.50	27	6	10	Adams	Nov.	20	1920		1594
Little Blue River	Hurlburt, Chas.	Fairbury	Hurlburt Canal	Irrig.	.20	22	2	2E	Jefferson	Aug.	7	1922		1685
Little Blue River	Kasselbaum, Wm.	Hebron	Kassebaum Power Plant	Power	250.00	29	3	2E	Jefferson	Nov.	13	1923		1726
Little Blue River	Dunn, F. J.	Hastings	Blue Valley Yacht Club	Resort		10	5	9	Adams	May	23	1924		1745
Little Blue River	Steele, R. B.	Fairbury	Steel, Sand and Mining Project	Mfg.		22	2	2E	Jefferson	Aug.	16	1926		1847*
Little Blue River	Kistler, Geo. S.	Roseland	Kistler Pump	Irrig.	.08	9	5	11	Adams	Nov.	1	1926		1869
Little Blue River	Coxbill, James.	Deweese	Vap Pump	Irrig.	.81	31	5	7	Clay	Dec.	8	1926		1878
Little Blue River	Gaudreault, I. S.	Hastings	Gaudreault Pump	Irrig.	.39	26	6	10	Adams	Feb.	22	1927		1903
Little Blue River	Pratt, H. G.	Hastings	Pratt Pump	Irrig.	1.01	28	6	10	Adams	Feb.	23	1927		1904
Little Blue River	Logan, John S.	Fairfield	Logans Canal	Irrig.	1.88	33	5	7	Clay	Mar.	7	1927		1907
Little Blue River	Knopf, Clyde L.	Pauline	Knopf Pump	Irrig.	1.60	25	6	10	Adams	Mar.	8	1927		1908
Little Blue River	Graham, Harry	Ayr.	Graham Pump	Irrig.	.80	13	5	11	Adams	Mar.	8	1927		1909
Little Blue River	City of Fairbury	Fairbury	Fairbury Plant	Mfg.	16.70	15	2	2E	Jefferson	Oct.	22	1927		1963

*Application pending.
 †Acre feet per annum.
 **Claim not adjudicated.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR ^T ED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Little Blue River	Hornberger, Thos.	Ayr.	Hornberger Pump	Irrig.	2.19	14	5	11	Adams.	Jan.	24	1928		1978
Little Blue River	Grant, Wm.	Lincoln	Little Blue Plant No. 1	Power		9	2	2E	Jefferson	Oct.	16	1928		2043*
Little Blue River	Grant, Wm.	Lincoln	Little Blue Plant No. 2	Power		26	2	2E	Jefferson	Oct.	16	1928		2044*
Little Blue River	Bergt, Theodore	Davenport	Bergt Pump	Irrig.	1.50	22	3	4	Thayer	Apr.	17	1930		2134
Little Blue River	Dutton, K. M. J.	Hastings	Blue Haven Pump	Irrig.	5.24	29	3	3	Thayer	Aug.	4	1930		2152
						30	3	3						
Little Blue River	Jones, E. H.	Fairbury	Midwest Garden Pump	Irrig.	1.74	26	2	2E	Jefferson	Sept.	4	1930		2165
Little Blue River	Heinrich, C. W.	Davenport	Riverside Pump	Irrig.	2.23	20	4	3	Thayer	Feb.	24	1931		2193
Little Blue River	Nehrig, Henry H.	Davenport	Nehrig Pump	Irrig.	5.00	26	3	4	Thayer	Mar.	10	1931		2194
Little Blue River	Sanford, Harry K.	Ayr.	Sanford Pump	Irrig.	.20	4	5	10	Adams	Sept.	22	1931		2238
Little Blue River	Heiler, H. H.	Hastings	Heiler Pump	Irrig.	.46	27	6	10	Adams	Sept.	30	1931		2241
Little Blue River	Weyenberg, John T.	Hastings	Weyenberg Pump	Irrig.	1.20	17	5	8	Clay	Oct.	8	1931		2243
Little Blue River	Zweifel, Albert	Fairbury	Zweifel Pump	Irrig.	.25	9	2	2E	Jefferson	July	25	1932		2277
Little Blue River	Paus, Geo. H.	Spring Ranch	Paus Pump	Irrig.	.22	16	5	8	Clay	May	15	1933		2321
Little Blue River	Cassell, G. B.	Steele City	Cassell Pump	Irrig.		24	1	3E	Jefferson	May	16	1934		2383
Little Blue River	Peters, Cornelius R.	Nelson	Peters Pump	Irrig.	.71	27	4	6	Nuckolls	May	31	1934		2389
Little Blue River	Meyer, John H.	Oak	Meyer Pump	Irrig.	1.31	1	3	6	Nuckolls	June	2	1934		2394
Little Blue River	Davis, John H.	Spring Ranch	Davis Pump	Irrig.	.66	15	5	8	Clay	June	5	1934		2399
Little Blue River	Woods, Lester D.	Ayr.	Woods Pump	Irrig.		17	5	10	Adams	July	20	1934		2433
Little Blue River	Stokebrand, William	DeWitt	Stokebrand Pumps	Irrig.		5	2	1	Thayer	Aug.	1	1934		2451*
Little Blue River	Johnston, Mrs. Hester	Oak	Johnston Pump	Irrig.	1.14	8	3	5	Nuckolls	Aug.	13	1934		2460
Stream, Tributary to Little Blue River	Smith, Wm. H.	Lincoln	Rural Rehabilitation Project No. 1	Irrig.		25	2	2E	Jefferson	Aug.	18	1934		2466*
Pawnee Creek	Massie, D. B.	Clay Center	Massie Lake	Resort	†65AF	16	5	8	Clay	Mar.	10	1933		2307
Rose Creek	Fairchild Brothers	Endicott	Fairchild Pump	Irrig.		7	1	3E	Jefferson	July	9	1934		2419
Rose Creek	Wilson, Clyde	Fairbury	Wilson Pump	Irrig.		3	1	2E	Jefferson	July	14	1934		2425

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Bear Creek.....	Mangus, Jerry T.....	Beatrice.....	Mangus Pump.....	Irrig.	.50	24	4	6E	Gage.....	Jan.	24	1927	.....	1887
Bear Creek.....	State Board of Control.....	Lincoln.....	Feeble Minded Institute Pump.....	Irrig.	.95	36	4	6E	Gage.....	Apr.	22	1928	.....	2010
Beaver Creek.....	Wright, G. D.....	York.....	Wrights Mill.....	Power	40.00	7	10	2	York.....	Nov.	1	1878	963	.....
Big Blue River.....	Black Brothers Flour Mills.....	Beatrice.....	Black Brothers Plant (Beatrice).....	Power	300.00	33	4	6E	Gage.....	Jan.	11	1860	1048	.....
Big Blue River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Milford Mills.....	Power	300.00	2	9	3E	Seward.....	.....	.....	1866	1044	.....
Big Blue River.....	Gage County Electric Co.....	Beatrice.....	Black Brothers Plant No. 2 (Blue Springs).....	Power	450.00	17	2	7E	Gage.....	.....	.....	1868	1047	.....
Big Blue River.....	Zwonechek and Askamit	Wilber.....	DeWitt Mill.....	Power	200.00	19	5	5E	Gage.....	Jan.	1	1875	1046	.....
Big Blue River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Holmesville Power Plant	Rs. dam	.....	19	5	5E	Gage.....	Jan.	1	1903	1046	.....
Big Blue River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Holmesville Power Plant	Power	500.00	29	3	7E	Gage.....	Apr.	.....	1882	1021	.....
Big Blue River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Blue River Power Station No. 1.....	Power	200.00	19	9	4E	Seward.....	July	8	1910	.....	1006
Big Blue River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Holmesville Power Plant	Rs. dam	D-1021	29	3	7E	Gage.....	May	3	1911	.....	1095
Big Blue River.....	Jacobs, E.....	Staplehurst.....	Jacobs Power Plant.....	Power	41.00	26	12	2E	Seward.....	Nov.	13	1911	.....	1135
Big Blue River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Big Blue Plant No. 2.....	Power	100.00	32	9	3E	Seward.....	Jan.	3	1912	.....	1153

DEPARTMENT OF ROADS AND IRRIGATION

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR	TED	S	T	R	County	Mo.			D	Yr.
Big Blue River..... (See A-1585-A-1788)	Beatrice Power Co.....	Barneston.....	Barneston Power Plant.....	Power	500.00	13	1	7E	Gage.....	Feb.	18	1913	.....	1262
Big Blue River..... (See A-1521-1599-1733-1751)	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Blue River Plant No. 3.....	Power	100.00	5	8	4E	Saline.....	Mar.	13	1913	.....	1265
Big Blue River.....	Mares, Frank.....	Wilber.....	Mares Canal.....	Irrig.	2.28	2	6	4E	Saline.....	Aug.	12	1913	.....	1314
Big Blue River.....	C. B. & Q. R. R. Co.....	Lincoln.....	C. B. & Q. Pipe line.....	Dom.	.50	2	9	3E	Seward.....	Apr.	30	1914	.....	1366
Big Blue River.....	C. B. & Q. R. R. Co.....	Lincoln.....	Wymore Pipe Line.....	Dom.	.50	21	2	7E	Gage.....	Dec.	24	1914	.....	1394
Big Blue River.....	C. B. & Q. R. R. Co.....	Lincoln.....	Seward Pipe Line.....	Dom.	.50	21	11	3E	Seward.....	Dec.	14	1914	.....	1395
Big Blue River..... (See A-1752)	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Blue River Plant No. 4.....	Power	100.00	32	9	4E	Seward.....	Aug.	14	1916	.....	1463
Big Blue River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Power Plant No. 5.....	Power	100.00	11	8	3E	Seward.....	Feb.	13	1917	.....	1476
Big Blue River..... (See A-1761)	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Shestak Power Plant.....	Power	200.00	35	7	4E	Saline.....	Feb.	6	1918	.....	1506
Big Blue River..... (See A-1153)	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Big Blue Plant No. 2.....	Rs. dam	A-1153	32	9	3E	Seward.....	Aug.	21	1918	.....	1520
Big Blue River..... (See A-1265)	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Blue River Plant No. 3.....	Rs. dam	A-1265	5	8	4E	Saline.....	Aug.	21	1918	.....	1521
Big Blue River.....	Beatrice Power Co.....	Barneston.....	Barneston Power Plant.....	Rs. dam	A-1262	13	1	7E	Gage.....	May	27	1920	.....	1585
Big Blue River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Wilber Power Plant.....	Power	200.00	12	5	4E	Saline.....	Dec.	17	1920	.....	1597
Big Blue River..... (See A-1265)	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Blue River Plant No. 3.....	Rs. dam	A-1265	5	8	4E	Saline.....	Dec.	28	1920	.....	1599
Big Blue River..... (See A. 1731)	Gage County Electric Co., The.....	Beatrice.....	Power Plant No. 3.....	Power	400.00	2	3	6E	Gage.....	Oct.	7	1922	.....	1690
Big Blue River.....	Gage County Electric Co., The.....	Beatrice.....	Power Plant No. 2.....	Dredge	D-1047	17	2	7E	Gage.....	Nov.	7	1922	.....	1692

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D			Yr.
Big Blue River	Gage County Electric Co., The	Beatrice	Power Plant No. 2	Dredge	D-1047	17	2	7E	Gage	Dec.	15	1922	1698
Big Blue River	Seward City Mills	Seward	Ruby Power Station	Power	40.00	15	10	3E	Seward	Apr.	17	1923	1715
Big Blue River	Black Brothers Flour Mills	Beatrice	Power Plant No. 3	Dredge	A-1690	2	3	6E	Gage	Nov.	26	1923	1731*
Big Blue River	Black Brothers Flour Mills	Beatrice	Power Plant No. 2	Rs. dam	D-1047	17	2	7E	Gage	Dec.	15	1923	1732*
Big Blue River	Iowa-Nebraska Light and Power Co.	Lincoln	Blue River Plant No. 3	Dredge	A-1265	5	8	4E	Saline	Jan.	30	1924	1733
Big Blue River	Iowa-Nebraska Light and Power Co.	Lincoln	Blue River Plant No. 3	Dredge	A-1265	5	8	4E	Saline	Nov.	21	1924	1751
Big Blue River	Iowa-Nebraska Light and Power Co.	Lincoln	Blue River Plant No. 4	Dredge	A-1463	32	9	4E	Seward	Nov.	25	1924	1752
Big Blue River	Iowa-Nebraska Light and Power Co.	Lincoln	Shestaks Power Plant	Dredge	A-1506	35	7	4E	Saline	Mar.	30	1925	1761
Big Blue River	Beatrice Power Co.	Barneston	Barneston Power Plant	Dredge	A-1262	13	1	7E	Gage	Dec.	17	1925	1788
Big Blue River	Gage County Electric Co., The	Beatrice	Plant No. 5	Power	300.00	13	4	5E	Gage	Oct.	17	1927	1961*
Big Blue River	Muirhead, Wm. C.	Bradshaw	Muirhead Canal	Irrig.	.93	30	9	5	Hamilton	Sept.	13	1929	2103
Big Blue River	Johnson, Chas. S. F.	Stromsburg	Johnson Pump	Irrig.	1.29	8	13	2	Polk	Mar.	26	1930	2130
Big Blue River	Sonderegger Nursery and Seed House	Beatrice	Sonderegger Pump	Irrig.	.43	3	3	6E	Gage	Aug.	29	1930	2164
Big Blue River	Andrews, W. E.	Beatrice	Andrews Pump	Irrig.	.20	10	3	6E	Gage	Apr.	3	1931	2196
Big Blue River	Cekal, Edward J.	Beatrice	Cekal Pump	Irrig.		24	3	8E	Gage	July	24	1934	2438
Big Blue River	Martz, Jno. E.	Seward	Martz Pump	Irrig.		20	11	3E	Seward	July	24	1934	2440
Big Blue River	Quackenbush, A. E.	Beatrice	Quackenbush Pump	Irrig.		3	3	6E	Gage	July	25	1934	2441
Big Blue River	Olson, Olaf	Greenwood	Olson Pump	Irrig.		22	10	3E	Seward	Aug.	1	1934	2453

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Big Blue River.....	Chermak, C. J.....	Seward.....	Chermak Pump.....	Irrig.		28	11	3E	Seward.....	Sept.	5	1934	.....	2470
Big Blue River.....	Jorgenson, L.....	Staplehurst.....	Jorgenson Pump No. 1.....	Irrig.	1.59	20	13	2E	Butler.....	Sept.	11	1934	.....	2473
Big Blue River.....	Jorgenson, L.....	Staplehurst.....	Jorgenson Pump No. 2.....	Irrig.	.74	24	13	1E	Butler.....	Sept.	26	1934	.....	2479
Big Blue River.....	Karpisek, Frank P.....	Ulysses.....	Karpisek Pump.....	Irrig.		20	13	2E	Butler.....	Nov.	20	1934	.....	2495*
Big Blue River, North Branch.....	Nelson, Louie E.....	Inland.....	Nelson Pump.....	Irrig.	.48	27	8	8	Clay.....	Feb.	11	1927	.....	1899
Big Blue River, West Fork.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Bow Span Plant.....	Power	100.00	26	9	2E	Saline.....	Dec.	17	1920	.....	1595
Big Blue River, West Fork.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Big Bend Plant.....	Power	100.00	11	8	3E	Saline.....	Dec.	17	1920	.....	1596
Big Blue River, West Fork.....	Warren, Herbert F.....	Trumbull.....	Warren Pump.....	Irrig.	.16	13	8	9	Adams.....	Nov.	26	1927	.....	1971
Big Blue River, West Fork.....	Show, Frank.....	McCool Junction.....	Show Pump.....	Irrig.	.42	18	9	2	York.....	Oct.	19	1928	.....	2048
Big Blue River, West Fork.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Beaver Crossing Hydro-Plant.....	Power		2	9	1E	Seward.....	July	17	1931	.....	2218*
Big Blue River, West Fork.....	Show, Frank.....	McCool Junction.....	Show Pump.....	Irrig.	.82	18	9	2	York.....	Mar.	16	1934	.....	2368

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Big Blue River, West Fork.....	Bors, Joseph.....	McCool Junction.....	Bors Pump.....	Irrig.		36	9	3	York.....	June	4	1934	.....	2397
Big Blue River, West Fork.....	Znamenacek, Miles.....	Crete.....	Znamenacek Pump.....	Irrig.		4	8	4E	Saline.....	July	2	1934	.....	2415
Big Blue River, West Fork.....	Casteel, Lonie E.....	Crete.....	Casteel Pump.....	Irrig.		5	8	4E	Saline.....	July	18	1934	.....	2429
Big Blue River, West Fork.....	Nave, C. D.....	Crete.....	Nave Pump.....	Irrig.		5	8	4E	Saline.....	July	18	1934	.....	2430
Big Blue River, West Fork.....	Johnson, Arthur F.....	Dorchester.....	Johnson Pump.....	Irrig.		37	32	9	3E Seward.....	July	23	1934	.....	2435
Big Blue River, West Fork.....	Miller, Sam.....	Dorchester.....	Miller Pump.....	Irrig.		3	8	3E	Saline.....	July	24	1934	.....	2439*
Big Blue River, West Fork.....	Mohlman, Elsie.....	Hastings.....	Mohlman Pump.....	Irrig.		25	8	9	Adams.....	Aug.	9	1934	.....	2458
Big Blue River, South Fork.....	Swanson, S. A.....	Hastings.....	Swanson Pump.....	Irrig.		1.90	4	7	9 Adams.....	Apr.	4	1929	.....	2076
Big Blue River, South Fork.....	Schmidt, Otto.....	Fairmont.....	Schmidt Pump.....	Irrig.		.43	3	8	3 Fillmore.....	July	14	1934	.....	2426
Big Blue River, East Fork.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Ulysses Hydro-Plant.....	Power		27	13	2E	Butler.....	July	17	1931	.....	2217*
Big Blue River, East Fork.....	Blevins, Geo. E., Sr.....	Shelby.....	Blevins Pump.....	Irrig.		.57	2	13	1 Polk.....	May	19	1934	.....	2384

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Big Blue River and School Creek	Garbe, Albert F.	Grafton	Blue Park Dam	Power	66.00	1	8	4	Fillmore	Aug.	7	1917		1494
Lincoln Creek	Ritterbush, Fred	Seward	Ritterbush Pumps No. 1 and No. 2	Irrig.	.67	33	12	2E	Seward	Nov.	22	1934		2496
Swan Creek	Zimmerman, H. E.	DeWitt	Zimmerman Pump	Irrig.		13	5	3E	Saline	Aug.	17	1934		2465*
Turkey Creek	Grothe, Chas.	Pleasant Hill		Power		4	7	3E	Saline				990**	
Turkey Creek	Lane, J. K.	Pleasant Hill	Lane Model Canal	Irrig.	.09	4	7	3E	Saline	July	16	1895		81
Turkey Creek	Lane, J. K.	Pleasant Hill	Lane Model Canal	Irrig.					Saline	July	18	1895		84
Turkey Creek	Pecka, Frank, Jr.	Friend	Pecka Pump	Irrig.	1.23	4	7	1E	Saline	May	3	1934		2376
Turkey Creek	Divoky, Rudolph	Friend	Divoky Pump	Irrig.	1.13	34	8	1E	Saline	May	25	1934		2386
Turkey Creek	Eurich, John	Friend	Eurich Pump	Irrig.		9	7	1E	Saline	June	2	1934		2396
Turkey Creek	Dilley, Edward A.	Friend	Dilley Pump	Irrig.	2.11	33	8	2E	Saline	June	30	1934		2414
Turkey Creek	Belka, John	Dorchester	Belka Pump	Irrig.	.58	4	7	3E	Saline	July	13	1934		2424
Turkey Creek	Engel, H. H.	Friend	Engel Pump	Irrig.	.73	8	7	1E	Saline	July	19	1934		2432
Turkey Creek	Yokel, J. C.	Friend	Yokel Pump	Irrig.	1.16	17	7	1E	Saline	July	21	1934		2434
Turkey Creek	Psikal, Emil	Dorchester	Psikal Pump	Irrig.		34	8	2E	Saline	July	23	1934		2437*
Turkey Creek	Psikal, Joe	Dorchester	Psikal Pump	Irrig.		33	8	2E	Saline	July	31	1934		2450*

*Application pending.
**Claim not adjudicated.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.	D			Yr.
Lodge Pole Creek	Forsling, Alfred.....	Kimball.....	Owasco Canal.....	Irrig.	1.20	29	15	55	Kimball.....	Dec.	31	1876	347-R	.....
Lodge Pole Creek	Giesecking, Herman.....	Altamont, Ill	Bickel Canal.....	Irrig.	.30	29	15	55	Kimball.....	Dec.	31	1876	347	.....
Lodge Pole Creek	Gunderson, A., Estate of	Potter.....	Gunderson Canal.....	Irrig.	1.43	1	14	52	Cheyenne.....	June	1	1879	305	.....
Lodge Pole Creek	Fuller, Mrs. Jessie L.....	Sidney.....	Runge Canal No. 1.....	Irrig.	1.71	20	14	50	Cheyenne.....	Apr.	15	1880	339	.....
Lodge Pole Creek	Fuller, Mrs. Jessie L.....	Sidney.....	Runge Canal No. 2.....	Irrig.	.50	20	14	50	Cheyenne.....	Apr.	15	1882	338	.....
Lodge Pole Creek	Connolly, Mrs. John.....	Sidney.....	Anderson Canal No. 1.....	Irrig.	2.50	8	14	51	Cheyenne.....	June	30	1882	373	.....
Lodge Pole Creek	Peters Trust Co.....	Omaha.....	Circle Arrow Canal.....	Irrig.	3.71	30	15	54	Kimball.....	July	1	1882	346	.....
Lodge Pole Creek	Fuller, Clark H. and Mary J.....	Sidney.....	Urbach Canal.....	Irrig.	.86	15	14	51	Cheyenne.....	Sept.	1	1882	308	.....
Lodge Pole Creek	Thomas, Elsie O.....	Omaha.....	Hale Canal No. 3.....	Irrig.	.57	36	14	51	Cheyenne.....	Apr.	30	1883	320	.....
Lodge Pole Creek	Thomas, Elsie O.....	Omaha.....	Hale Canal No. 4.....	Irrig.	.71	36	14	49	Cheyenne.....	Apr.	30	1883	321	.....
Lodge Pole Creek	Thomas, Elsie O.....	Omaha.....	Hale Canal No. 5.....	Irrig.	.57	36	14	49	Cheyenne.....	Apr.	30	1883	322	.....
Lodge Pole Creek	Thomas, Elsie O.....	Omaha.....	Lower Whitney Canal.....	Irrig.	.29	31	14	48	Cheyenne.....	May	1	1883	317	.....
Lodge Pole Creek	Booth, Firth, Estate of	Sunol.....	Booth Canal.....	Irrig.	4.29	29	14	47	Cheyenne.....	May	31	1883	309 } 310 }	.....
Lodge Pole Creek	McAuliffe, John F.....	Chappell.....	McAuliffe Canal.....	Irrig.	2.29	21	13	45	Deuel.....	Dec.	31	1884	814	.....
Lodge Pole Creek	Rodman, Walter M.....	Kimball.....	Kinney Canal No. 2.....	Irrig.	2.71	33	15	56	Kimball.....	Dec.	31	1884	348	.....
Lodge Pole Creek	Libby, Mary A.....	Santa Monica, Cal.....	Libby Canal.....	Irrig.	2.00	36	14	47	Cheyenne.....	Dec.	31	1884	312	.....
Lodge Pole Creek	Dickinson, Chas. C.....	Lodge Pole.....	Dickinson Canal.....	Irrig.	1.14	26	14	47	Cheyenne.....	Jan.	1	1885	969	.....
Lodge Pole Creek	Ruttner, Edward A.....	Lodge Pole.....	Howard Canal.....	Irrig.	.86	31	14	47	Cheyenne.....	Apr.	10	1885	336	.....
Lodge Pole Creek	Krueger, R. and F. W.....	Sidney.....	Krueger Canal No. 3.....	Irrig.	1.14	32	14	48	Cheyenne.....	May	1	1885	323	.....
Lodge Pole Creek	Wolf, Mrs. H. D.....	Chappell.....	Wolf Canal.....	Irrig.	1.00	18	13	45	Deuel.....	Dec.	31	1885	813	.....
Lodge Pole Creek	Peters Trust Co.....	Omaha.....	McIntosh Canal.....	Irrig.	3.31	23	15	55	Kimball.....	Apr.	16	1886	351	.....
Lodge Pole Creek	Krueger, R. and F. W.....	Sidney.....	Krueger Canal No. 2.....	Irrig.	2.29	32	14	48	Cheyenne.....	Oct.	10	1886	324	.....
Lodge Pole Creek	Helfrich, Peter.....	Sidney.....	Borguist Canal.....	Irrig.	1.29	34	14	49	Cheyenne.....	Apr.	30	1887	300	.....

"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Lodge Pole Creek	Helfrich, Peter	Sidney	Borguist Canal	Irrig.	.71	34	14	49	Cheyenne	Apr.	30	1887	301	.....
Lodge Pole Creek	Thomas, Elsie O.	Omaha	Upper Whitney Canal	Irrig.	2.29	36	14	49	Cheyenne	May	1	1887	316	.....
Lodge Pole Creek	Dickinson, M. O.	Sunol	McLaughlin Canal	Irrig.	1.00	25	14	48	Cheyenne	May	1	1887	966	.....
Lodge Pole Creek	Thomas, Elsie O.	Omaha	Hale Canal No. 1	Irrig.	1.14	36	14	49	Cheyenne	July	1	1887	318	.....
Lodge Pole Creek	Ramsey, Miss A. A.	Boston, Mass.	Mitchell Canal	Irrig.	.86	8	14	51	Cheyenne	Sept.	1	1887	304	.....
Lodge Pole Creek	Equitable Life Insurance Co.	Des Moines	Tobin Canal	Irrig.	2.29	28	14	47	Cheyenne	July	31	1888	330	.....
Lodge Pole Creek	Peetz, John	Sidney	Bordwell Canal	Irrig.	1.43	35	14	49	Cheyenne	Aug.	1	1888	303	.....
Lodge Pole Creek	Wearin, Wm. H.	Carlton	Premier Canal	Irrig.	2.43	3	14	58	Kimball	Apr.	11	1889	340	.....
Lodge Pole Creek	Peetz, John	Sidney	Bordwell Canal	Irrig.	.86	35	14	49	Cheyenne	Apr.	27	1889	302	.....
Lodge Pole Creek	Ewbank, Mrs. John	Kimball	Polly Canal	Irrig.	.79	30	15	55	Kimball	May	6	1889	342	.....
Lodge Pole Creek	Wearin, Wm. H.	Carlton	Independent Canal	Irrig.	3.14	7	14	58	Kimball	May	6	1889	343	.....
Lodge Pole Creek	Atkins, D. K.	Kimball	Atkins Canal	Irrig.	.43	32	15	55	Kimball	May	6	1889	344	.....
Lodge Pole Creek	Rodman, Walter M.	Kimball	Kinney Canal	Irrig.	2.00	31	15	56	Kimball	May	14	1889	345	.....
Lodge Pole Creek	Hoberstroh, W. A.	Omaha	Young Canal	Irrig.	.50	33	15	57	Kimball	May	28	1889	349	.....
Lodge Pole Creek	Linn, Kenneth	Kimball	Ruttner Canal (Old)	Irrig.	.81	31	15	56	Kimball	June	4	1889	350	.....
Lodge Pole Creek	Linn, Kenneth	Kimball	Ruttner Canal (New)	Irrig.	.33	36	15	57	Kimball	June	4	1889	350-R	.....
Lodge Pole Creek	Oberfelder, R. S.	Sidney	Oberfelder Canal	Irrig.	.43	31	14	46	Cheyenne	June	10	1889	333	.....
Lodge Pole Creek	Carter, Thos. B., Administrator	Lodge Pole	Bullock Canal	Irrig.	1.43	3	13	46	Deuel	June	25	1889	296	.....
Lodge Pole Creek	Searcy, Mrs. Geo. H.	Tuscaloosa, Alabama	Persinger Canal	Irrig.	4.57	33	14	46	Deuel	June	25	1889	297	.....
Lodge Pole Creek	Krueger, R. and F. W.	Sidney	Krueger Canal No. 1	Irrig.	3.00	29	14	48	Cheyenne	June	26	1889	325	.....
Lodge Pole Creek	Thomas, Elsie O.	Omaha	Hale Canal No. 2	Irrig.	.45	36	14	49	Cheyenne	June	26	1889	319	.....
Lodge Pole Creek	Peters Trust Co.	Omaha	Brady Canal	Irrig.	.71	29	15	55	Kimball	Aug.	16	1889	352	.....

"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Lodge Pole Creek	Gross, Wm. A. and Chas. C.	Pine Bluff, Wyoming	Hoover Canal	Irrig.	1.43	12	14	59	Kimball	Sept.	4	1889	353	
Lodge Pole Creek	Equitable Life Insurance Co.	Des Moines	Ickes Canal	Irrig.	2.50	28	14	50	Cheyenne	Mar.	25	1891	329	
Lodge Pole Creek	Johnson, Chas. W.	Potter	Adams Canal	Irrig.	1.43	3	14	52	Cheyenne	July	1	1891	371	
Lodge Pole Creek	Atkins, D. K. and Garrard, Robt. P.	Kimball	Hurley-Lilly-Polly Canal	Irrig.	2.57	26	15	56	Kimball	Oct.	1	1891	354	
Lodge Pole Creek	Thorstensen, Nels	Potter	Christensen Canal	Irrig.	.57	7	14	51	Cheyenne	Apr.	15	1893	366	
Lodge Pole Creek	Thorstensen, Nels	Potter	Christensen Canal	Irrig.	.43	7	14	51	Cheyenne	Apr.	15	1893	367	
Lodge Pole Creek	Van Aelstyn, Herman	Sidney	Trognitz Canal	Irrig.	1.00	36	14	50	Cheyenne	June	1	1893	365	
Lodge Pole Creek	Oberfelder, R. S.	Sidney	Oberfelder Canal	Irrig.	2.00	31	14	46	Cheyenne	Dec.	30	1893	306	
Lodge Pole Creek	Borgmann, Henry F.	Lodge Pole	Barrett Canal	Irrig.		32	14	46	Deuel				334	
Lodge Pole Creek	Krueger, R. S.	Sidney	Krueger Canal	Irrig.	1.00	29	14	48	Cheyenne	May	1	1894	968	
Lodge Pole Creek	Lyngholm, Hannah	Sidney	Lyngholm Canal	Irrig.	.36	14	14	51	Cheyenne	Nov.	1	1894	337	
Lodge Pole Creek	Dickinson, Geo. W., etal	Lodge Pole	Dickinson Canal	Irrig.	2.29	33	14	47	Cheyenne	May	10	1896	967	
Lodge Pole Creek	Searcy, Mrs. Geo. H.	Tuscaloosa, Alabama	Bullock Canal	Irrig.	.57	4	13	46	Deuel	Feb.	16	1898		437
Lodge Pole Creek	Forsling, Alfred	Kimball	Maltese Cross Canal	Irrig.	.21	36	15	57	Kimball	May	16	1898		454
Lodge Pole Creek	Wearin, Wm. H.	Carleton	Bushnell Canal	Irrig.	3.00	2	14	58	Kimball	Apr.	15	1899		504
Lodge Pole Creek	Wiegand, Lyle H.	Chappell	Wiegand Canal	Irrig.	2.00	17	13	45	Deuel	May	31	1900		563
Lodge Pole Creek	Brown, G. B.	Chappell	Neuman Canals Nos. 1-2	Irrig.	1.89	36	13	45	Deuel	June	12	1900		565
Lodge Pole Creek	McHattton, Jas. W.	Chappell	Wertz Bros. Canal	Irrig.	2.86	12	13	46	Deuel	Feb.	14	1901		600
Lodge Pole Creek	Neuman, Guy C.	Chappell	Neuman Canal	Irrig.	1.29	26	13	45	Deuel	Apr.	17	1901		611
Lodge Pole Creek	Johnson, J. C., Estate of	Chappell	Johnson Canal	Irrig.	2.14	23	13	45	Deuel	Apr.	17	1901		612

*Claim not adjudicated.

DEPARTMENT OF ROADS AND IRRIGATION

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Lodge Pole Creek (See A-1974)	Peters Trust Co.	Omaha	Bennett Reservoir	Storage	7700AF	22	15	55	Kimball	Mar.	13	1902		657
Lodge Pole Creek	Nasland, John	Chappell	Nasland Canal	Irrig.	.96	1	12	45	Deuel	Apr.	16	1902		661
Lodge Pole Creek	Peters Trust Co.	Omaha	Bennett Reservoir Canal	Irrig.	1.22	22	15	55	Kimball	Oct.	2	1902		691
(Reservoir A-657)	Peters Trust Co.	Omaha	Bennett Reservoir Canal	Supple.		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	Thomason, Chas. E.	Kimball	Kinney-Forsling Canal	Irrig.	.75	33	15	56	Kimball	July	25	1903		718
Lodgepole Creek	Thomason, Chas. E.	Kimball	Ruttner-Kinney Canal	Irrig.	.75	31	15	56	Kimball	July	25	1903		718-R
Lodgepole Creek	Gieseking, Herman	Altamont, Ill.	Bickel Canal	Irrig.	.93	30	15	55	Kimball	Aug.	3	1903		719
Lodgepole Creek	Fuller, Clark H. and Mary J.	Sidney	Pomeroy Canal No. 1	Irrig.	.57	15	14	51	Cheyenne	Aug.	20	1903		723
Lodgepole Creek	Atkins, D. K.	Kimball	Faden Canal	Irrig.	.14	30	15	55	Kimball	Sept.	9	1903		724
Lodgepole Creek	Peters Trust Co.	Omaha	Owasco Canal	Irrig.	9.84	29	15	55	Kimball	Sept.	12	1903		725
Lodgepole Creek	Linn, Kenneth	Kimball	Ruttner Canal (New)	Irrig.	.51	36	15	57	Kimball	Sept.	16	1903		727
Lodgepole Creek	Peters Trust Co.	Omaha	McIntosh Canal Enlarge- ment	Irrig.	1.75	23	15	55	Kimball	Dec.	15	1903		734
Lodgepole Creek	Soderquist, Peter	Chappell	Smith Canal	Irrig.	3.57	12	12	45	Deuel	Aug.	18	1906		850
Lodgepole Creek	Soderquist, Peter	Chappell	Ralton System	Irrig.	19.14	12	12	45	Deuel	Jan.	4	1907		847
Lodgepole Creek	Thomason, Chas. E.	Kimball	Yoder Enlargement	Irrig.	2.71	36	15	57	Kimball	Apr.	9	1907		857
Lodgepole Creek	Walker, I. S.	Kimball	Walker Canal (New Ruttner)	Irrig.	.63	36	15	57	Kimball	Sept.	16	1907		869-R
Lodgepole Creek	Gross, Wm. and Chas.	Pine Bluff, Wyo.	Tracy Canal	Irrig.	.50	12	14	59	Kimball	Sept.	21	1907		870
Lodge Pole Creek	Soderquist, Peter	Chappell	Ralton Canal	Irrig.	12.40	36	13	45	Deuel	Dec.	4	1907		882

†Acre feet per annum.
"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Lodge Pole Creek	Kimball Irr. Dist.	Kimball	Oliver Reservoir	Storage	†20,000 AF	36	15	57	Kimball	Apr.	15	1908		897
Lodge Pole Creek	Atkins, D. K. and Minnie	Kimball	Atkins-Polly Canal	Irrig.	.11	30	15	55	Kimball	Apr.	15	1908		897-R
Lodge Pole Creek	Wilds, Turner	Chappell	Wilds Canal	Irrig.	.57	11	13	46	Deuel	June	2	1908		904
Lodge Pole Creek	Ruttner, Joseph B.	Sunol	Ruttner Canal	Irrig.	.50	30	14	47	Cheyenne	June	25	1908		906
Lodge Pole Creek	Peters Trust Co.	Omaha	Bennett Canal No. 3	Irrig.	1.00	29	15	54	Kimball	Feb.	17	1909		934
Lodge Pole Creek	Maginnis, P.	Kimball	McGinnis Ice Pond	Storage	†1000 AF	26	15	56	Kimball	Sept.	19	1911		1127
Lodge Pole Creek	Brown, Cyrus D., et al	Chappell	Soderquist Canal	Irrig.	2.03	36	13	45	Deuel	Oct.	22	1912		1237
Lodge Pole Creek	Heming, Howard C.	Chappell	Wiegend Canal No. 3	Irrig.	1.28	16	13	45	Deuel	Sept.	10	1913		1322
Lodge Pole Creek	Heming, Howard C.	Chappell	Wiegend Canal No. 2	Irrig.	.42	16	13	45	Deuel	Sept.	10	1913		1323
Lodge Pole Creek	Brown, Cyrus D., et al	Chappell	Soderquist Canal	Irrig.	2.33	36	13	45	Deuel	June	29	1915		1420
Lodge Pole Creek	Neuman, A. G.	Chappell	Neuman Canal	Irrig.	1.03	26	13	45	Deuel	Jan.	5	1916		1445
Lodge Pole Creek	Bentley, Bertha M.	Sidney	Bentley Reservoir	Storage	†5AF	34	14	50	Cheyenne	Feb.	14	1917		1478
Lodge Pole Creek	Sudman, Mrs. Minnie	Chappell	Sudman Canal	Irrig.	.78	22	13	45	Deuel	Apr.	5	1917		1483
Lodge Pole Creek	McAuliffe, Frank	Chappell	McAuliffe Canal	Irrig.	1.77	21	13	45	Deuel	Oct.	6	1919		1559
Lodge Pole Creek	Ruttner, Joseph B.	Sunol	Ruttner Canal	Irrig.	.20	31	14	47	Cheyenne	Mar.	7	1922		1645
Lodge Pole Creek	Stuht, Fred W.	Sidney	Stuht Canal	Irrig.	.40	32	14	49	Cheyenne	Nov.	22	1922		1659
Lodge Pole Creek	McIntosh, J. L. and Martin, Paul L.	Sidney	Martin Pump	Irrig.	1.23	35	14	50	Cheyenne	Nov.	22	1922		1695
Lodge Pole Creek	Giesecking, C. H.	Altamont, Ill.	Giesecking Canal	Irrig.	.90	20	15	55	Kimball	Mar.	31	1926		1801
Lodge Pole Creek	Bluhm, Emil H.	Sunol	Bluhm Canal	Irrig.	1.00	36	14	48	Cheyenne	May	24	1926		1811
Lodge Pole Creek	Stahla, Phillip	Kimball	Kinney Canal	Irrig.	.20	31	15	56	Kimball	July	14	1926		1828

†Acre feet per annum.
 "R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
Lodge Pole Creek	Wearin, Wm. H.....	Carleton.....	Wearin Canal.....	Irrig.	1.50	8	14	58	Kimball.....	Sept.	28	1926	.....	1864
Lodge Pole Creek (See A-657)	Peters Trust Co.....	Omaha.....	Bennett Reservoir.....	Storage	‡524AF	22	15	55	Kimball.....	Jan.	13	1928	.....	1974
Lodge Pole Creek (See A-657)	Peters Trust Co.....	Omaha.....	Bennett Reservoir.....	Irrig.	5.97	22	15	55	Kimball.....	Jan.	13	1928	.....	1975
Lodge Pole Creek	Peterson, Geo. H.....	Chappell.....	Peterson Canal.....	Irrig.	.66	26	13	45	Deuel.....	Apr.	17	1928	.....	2006
Lodge Pole Creek	McLernon, Mrs. Emma	Sidney.....	McLernon Canal.....	Irrig.	.24	31	14	49	Cheyenne.....	Aug.	31	1928	.....	2027
Lodge Pole Creek	Pantenburg, Wm. F.....	Sidney.....	Pantenburg Canal.....	Irrig.	1.00	34	14	48	Cheyenne.....	Nov.	15	1929	.....	2113
Lodge Pole Creek, Springs, Tributary to	Oberfelder, R. S.....	Sidney.....	Oberfelder Canal.....	Irrig.	2.29	31	14	46	Cheyenne.....	May	29	1889	307	.....
Lodge Pole Creek, Springs, Tributary to	Chambers, Chas. P.....	Sidney.....	Private Canal.....	Irrig.	.04	14	13	51	Cheyenne.....	Mar.	19	1895	335	.....
Lodge Pole Creek, Springs, Tributary to	Libby, H. H.....	Lodge Pole.....	Spring Branch Canal.....	Irrig.	.29	36	14	47	Cheyenne.....	July	1	1901	.....	623
Flood Water from Hill.....	Fifield, C. M.....	Kimball.....	Fifield Canal.....	Irrig.	.57	22	15	56	Kimball.....	Apr.	27	1911	.....	1091
Underground Water Supply.....	Foster Lumber Co., S. A.....	Lincoln.....	Foster Pump Wells.....	Irrig.	.66	8	13	46	Cheyenne.....	Apr.	29	1931	.....	2200

‡Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Nemaha River.....	C. B. & Q. R. R. Co.....	Lincoln.....	C. B. & Q. Water Supply	Dom.	1.00	33	3	12E	Pawnee.....	Aug.	8	1922	.....	1687
Nemaha River, Big	Estes, E. B.....	Tecumseh.....	Estes Canal.....	Irrig.	1.43	19	5	11E	Johnson.....	Aug.	15	1930	.....	2159
Nemaha River, Big (Drainage Channel)	Goracke, Roy C.....	Tecumseh.....	Goracke Pump.....	Irrig.		13	5	10E	Johnson	May	4	1934	.....	2377
Nemaha River, Big (Drainage Channel)	Goracke, Raymond A.....	Tecumseh.....	Goracke Pump.....	Irrig.		24	5	10E	Johnson					
Nemaha River, Big (Drainage Channel)	Goracke, Raymond A.....	Tecumseh.....	Goracke Pump.....	Irrig.	.54	14	5	10E	Johnson	July	16	1934	.....	2428
Nemaha River, Big (Drainage Channel)	Pella, Frank G.....	Tecumseh.....	Pella Pump	Irrig.		14	5	10E	Johnson	July	28	1934	.....	2448
Nemaha River, Big (Drainage Channel)	Goracke, Joe.....	St. Mary.....	Goracke Pump.....	Irrig.	1.12	14	5	10	Johnson.....	Sept.	26	1934	.....	2478
Turkey Creek.....	Gabby, Joe and West, Bruce	Pawnee City.....	Gabby-West Pump.....	Irrig.		2	1	11	Pawnee.....	June	8	1934	.....	2402
Weeping Water Creek	Gilmore, Chas.....	Weep. Wajer	Gilmore Canal.....	Ice	8.00	2	10	11E	Cass.....	Aug.	5	1909	.....	955

DEPARTMENT OF ROADS AND IRRIGATION

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Ash Creek, Tributary to Middle Loup	Swenson, John E.	Eddyville.	Tierney Pump.	Irrig.	2.95	7	14	20	Custer	May	17	1932	.....	2271
Beaver River	Quackenbush, J. W.	Albion	Pioneer Canal	Irrig.	3.57	22	20	6	Boone	Dec.	8	1894	287	.....
Beaver River	Long, Wm. M.	Genoa	Windmill Project	Irrig.	.14	14	17	4	Nance	Mar.	31	1896	.....	277
Beaver River	Central West Public Service Company of Nebraska	Omaha	Albion Power Plant	Power	67.00	26	20	6	Boone	Oct.	3	1901	.....	639
Beaver River	Iowa-Nebraska Light and Power Co.	Lincoln	St. Edward Power Plant	Power	134.00	27	19	5	Boone	Feb.	11	1911	.....	1058
Beaver River	Central West Public Service Company of Nebraska	Omaha	Albion Power Plant	Power	70.00	26	20	6	Boone	Feb.	20	1917	.....	1480
Beaver Creek	The Ravenna Mills	Ravenna	The Ravenna Mills	Power		8	12	14	Buffalo				1037**	.....
Beaver Creek	Skochdopole, Ernest	Ravenna	Skochdople Canal	Irrig.	2.10	1	12	15	Buffalo	Nov.	8	1926	.....	1871
Beaver Creek	Loup River Public Power Dist.	Columbus	Beaver Creek Reservoir	Storage	†10000	14	17	4	Nance	Feb.	13	1933	.....	2303
Beaver Creek	Umberger, Arthur	Genoa	Umberger Pump	Irrig.	AT	15	17	4	Nance	July	8	1933	.....	2329*
Beaver Creek	Dietrich, Catherine, et al	Ravenna	Dietrich Pump	Irrig.		4	12	15	Buffalo	Aug.	16	1934	.....	2464
Beaver Creek	Peterson, Homer S.	St. Edward	Peterson Pump	Irrig.		18	18	4	Platte	Sept.	10	1934	.....	2471
Calamus River	Calamus Irr. Dist.	Harrop	Calamus Canal	Irrig.	121.18	5	24	20	Loup	Oct.	31	1925	.....	1785
Calamus River	Calamus Irr. Dist.	Harrop	Calamus Canal	Irrig.	4.86	5	24	20	Loup	Jan.	12	1927	.....	1883

*Application pending.

†Acre feet per annum.

**Claim not adjudicated.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	B	County	Mo.	D			Yr.
Calamus River.....	Calamus Irr. Dist.....	Harrop.....	Calamus Reservoir.....	Storage			5	24	20	Loup.....	June	8	1926	.....	1816
Calamus River.....	Phillipps, J. C., et al.....	Burwell.....	Phillipps Pump.....	Irrig.	.53		25	25	21	Brown.....	June	13	1932	.....	2273
Cedar River.....	Central Power Co.....	Grand Island.....	Van Ackeren Power Plant.....	Power	290.00		5	18	7	Boone.....	May	1	1881	1049	.....
Cedar River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Fullerton Power Plant.....	Power	200.00		12	16	6	Nance.....	Sept.	9	1901	.....	636
Cedar River.....	Western Public Service Co.....	Scottsbluff.....	Ericson Power Plant.....	Power	175.00		25	21	12	Wheeler.....	May	24	1915	.....	1415
Cedar River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Fullerton Power Plant.....	Rs. dam A-636	250.00		12	16	6	Nance.....	Aug.	8	1922	.....	1686
Cedar River.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Fullerton Power Plant.....	Rs. dam A-636 A-1686			12	16	6	Nance.....	Jan.	27	1925	.....	1758
Cedar River.....	Western Public Service Co.....	Scottsbluff.....	Lake Ericson Power Plant.....	Rs. dam A-1415			25	21	12	Wheeler.....	May	17	1929	.....	2081
Cedar River.....	Christensen, Chas.....	Fullerton.....	Christensen Pump.....	Irrig.	2.37		30	17	6	Nance.....	Sept.	29	1931	.....	2240
Cedar River.....	Maxwell, David Edward.....	Columbus.....	Maxwell Pump.....	Irrig.	4.01		23	19	8	Boone.....	Feb.	14	1934	.....	2364
Cedar River.....	Haggerty, John C.....	Spalding.....	Haggerty Pump.....	Irrig.	.30		34	20	9	Greeley.....	May	31	1934	.....	2390
Clear Creek.....	Sherbeck, Albert I., Estate of.....	Westerville.....	Sherbeck Pump.....	Irrig.	4.13		5	16	17	Custer.....	Feb.	7	1927	.....	1894
Clear Creek.....	Dean, Paul H.....	Broken Bow.....	Sutton Pump.....	Irrig.	2.43		36	16	17	Custer.....	Oct.	18	1927	.....	1962
Clear Creek.....	Lowry, Maurice T.....	Mason City.....	Lowry Pump.....	Irrig.	1.17		1	15	17	Custer.....	Aug.	22	1928	.....	2026

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR TED	S	T	R	County	Mo.			D	Yr.
Clear Creek.....	Dean, Paul H.....	Broken Bow.....	Dean Pump.....	Irrig.	2.00	22	16	17	Custer.....	Oct.	9	1928	.....	2040
Clear Creek.....	Banker, Louis Jr.....	Litchfield.....	Banker Pump.....	Irrig.		36	14	16	Sherman.....	Mar.	30	1934	.....	2370
Cow Creek.....	Price, Ralph B.....	Cascade.....	Homestead Canal.....	Irrig.	2.29	7	26	27	Cherry.....	July	14	1894	194	.....
Dane Creek.....	Koupal, Frank.....	Ord.....	Koupal Canal.....	Irrig.	.14	20	19	14	Valley.....	July	5	1912	.....	1207
Elm Creek.....	Rogers, Wilber A.....	Ord.....	Rogers Pump.....	Irrig.	1.68	25	19	14	Valley.....	Sept.	30	1929	.....	2107
Goose Creek.....	Erickson, P. C. and J. M.....	Brewster.....	Erickson Canal.....	Irrig.	8.00	18	25	24	Brown.....	Apr.	3	1895	209	.....
Goose Creek.....	Giles, R. P., et al.....	Elsmere.....	Giles Canal.....	Irrig.	10.00	2	25	25	Cherry.....	June	1	1895	187	.....
Goose Creek.....	Crook, F.....	Giles.....	Crook Canal.....	Irrig.	8.00	33	25	24	Brown.....	June	2	1896	.....	345
Goose Creek.....	Fink, Arnold F.....	Elsmere.....	Empire Ranch Canal.....	Irrig.		26	26	25	Cherry.....	June	11	1934	.....	2405
Goose Creek.....	Giles, Richard, et al.....	Elsmere.....	Giles Canal.....	Irrig.		35	26	25	Cherry.....	Aug.	14	1934	.....	2462b*
Gracie Creek.....	Shoemaker, A. E.....	Burwell.....	Gracie High Line Canal	Irrig.	.29	29	23	17	Loup.....	July	9	1897	.....	397
Lake Creek.....	Jacobsen, Carl M.....	St. Paul.....	Spring Lake Reservoir...	Storage		25	15	10	Howard.....	Nov.	22	1934	.....	2497*
Lillian Creek.....	Davis, Frank J.....	Broken Bow.....	Davis Pump.....	Irrig.	4.90	1	19	20	Custer.....	Feb.	7	1927	.....	1895
Lillian Creek.....	Myers, W. F.....	Broken Bow.....	Myers Canal.....	Irrig.	.11	15	19	20	Custer.....	Aug.	30	1927	.....	1956
Looking Glass Creek.....	Girard, E. A. and F. H.	Monroe.....	Monroe Canal.....	Irrig.	2.86	1	17	3	Platte.....	June	12	1894	289	.....
Looking Glass Creek.....	Loup River Public Power Dist.....	Columbus.....	Looking Glass Reservoir	Storage	†10000	32	18	3	Platte.....	Feb.	13	1933	.....	2302

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.	D			Yr.
Lost Creek (Warm Slough)	Dworak, Helen.....	Schuyler.....	Dworak Pump.....	Irrig.	1.30	28	17	3E	Colfax.....	Oct.	12	1928	.....	2041
Lost Creek (Slough)	Ballon, James.....	Schuyler.....	Ballon Reservoir.....	Resort	†14A	29	17	3E	Colfax.....	June	11	1934	.....	2406
Loup River.....	Loup River Public Power Dist.....	Columbus.....	Columbus-Genoa Project	Power	3500.00	3	17	4	Nance.....	Sept.	15	1932	.....	2287
Loup River.....	Grant, William.....	Lincoln.....	Nebraska Utilities Hydroelectric Plant.....	Power		26	17	4	Nance.....	Jan.	10	1933	.....	2295*
Loup River.....	Galley, Chas. B.....	Columbus.....	Galley Pump.....	Irrig.		35	17	4	Platte.....	May	29	1934	.....	2388
Loup River, Middle Branch...	Western Public Service Co.	Scottsbluff.....	Lundy Mill and Power Plant	Power	200.00	4	19	19	Custer.....	Aug.	1	1886	1024	.....
Loup River, Middle Branch...	Purdum, J. W.....	Thedford.....	Norway Canal.....	Irrig.	2.86	31	24	29	Thomas.....	Sept.	8	1894	199	.....
Loup River, Middle Branch...	Muhlback, Fred.....	Mullen.....	Mullen Grist and Light Plant.....	Power	124.00	6	24	32	Hooker.....	Mar.	12	1912	.....	1185
Loup River, Middle Branch...	St. Paul Electric Light Works	St. Paul.....	St. Paul Power Plant.....	Power	2000.00	3	14	10	Howard.....	Aug.	12	1912	.....	1216

*Application pending.
†Acre feet per annum.

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

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SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Loup River, Middle Branch...	Western Public Service Co.	Scottsbluff.....	Lundy Mill and Power Plant	Rs. dam D-1024	400.00	4	19	19	Custer.....	Sept.	16	1912	.....	1224
Loup River, Middle Branch...	United States of America	Halsey.....	Bessey Nursery Canal.....	Irrig.	1.00	3	22	26	Thomas.....	Sept.	16	1912	.....	1226
Loup River, Middle Branch...	Midwest Life Insurance Co.	Lincoln.....	Loup Valley Canal.....	Irrig.	.85	36	20	21	Custer.....	May	31	1913	.....	1294
Loup River, Middle Branch...	Central Power Co.....	Grand Island..	Boelus Power Plant.....	Power	1003.00	30	13	12	Howard.....	July	14	1914	.....	1373
Loup River, Middle Branch...	C. B. & Q. R. R. Co.....	Lincoln.....	Seneca Pipe Line.....	Dom.	.50	18	24	3	Thomas.....	Dec.	28	1914	.....	1396
Loup River, Middle Branch...	Stancliff, E. L.....	St. Louis.....	Arcadia Power Plant.....	Power		35	18	17	Custer.....	Apr.	4	1927	.....	1918*
Loup River, Middle Branch...	Knapp, Harry R.....	Broken Bow...	Knapp Pump.....	Irrig.	5.49	32	15	14	Sherman.....	July	18	1927	.....	1943
Loup River, Middle Branch...	Klausen, Paul.....	Rockville.....	Klausen Canal.....	Irrig.	2.17	36	14	14	Sherman.....	Aug.	14	1929	.....	2095
Loup River, Middle Branch...	John, Vincent L.....	Loup City.....	John Canal.....	Irrig.	.59	18	15	14	Sherman.....	Sept.	18	1929	.....	2105
Loup River, Middle Branch...	Obermiller, Robert.....	Boelus.....	Obermiller Pump.....	Irrig.	.97	28	13	12	Howard.....	May	7	1930	.....	2139
Loup River, Middle Branch...	Haesler, John.....	Loup City.....	Haesler Pump.....	Irrig.	1.75	13	15	15	Sherman.....	July	27	1931	.....	2222
Loup River, Middle Branch...	U. S. Forest Service.....	Halsey.....	Bessey Nursery Canal.....	Irrig.	.30	3	22	26	Thomas.....	July	30	1931	.....	2223

*Application pending.

REPORT OF STATE ENGINEER

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D			Yr.
Loup River, Middle Branch...	Middle Loup Public Power and Irr. Dist.	Arcadia	Middle Loup Hydro Electric Plant	Power		35	18	17	Custer	Dec.	28	1932	2292*
Loup River, Middle Branch...	Middle Loup Public Power and Irr. Dist.	Arcadia	Middle Loup Public Power and Irr. Dist.	Irrig.		10	19	18	Custer	Dec.	28	1932	2293*
						6	17	16	Valley				
						26	18	17	Custer				
						2	15	15	Sherman				
						23	19	17	Custer				
						8	17	16	Valley				
Loup River, Middle Branch...	Books, William J.	Broken Bow	Books Pump	Irrig.	1.36	36	20	21	Custer	July	8	1933	2330
Loup River, Middle Branch...	Leininger, John P.	Loup City	Leininger Pump	Irrig.	.93	12	15	15	Sherman	June	2	1934	2395
Loup River, Middle Branch...	Rankin, Mary L.	Broken Bow	Rankin Canal	Irrig.		4	21	23	Blaine	Sept.	22	1934	2477
Loup River, North Branch...	North Loup Power Co.	North Loup	Scotia Power Plant	Power		27	17	12	Greeley	Mar.	31	1928	1995*
Loup River, North Branch...	Steinmeyer, Geo. W.	Beatrice	North Loup Power Plant	Power		35	19	13	Valley	Apr.	26	1928	2011*
Loup River, North Branch...	Naab, Peter J.	Burwell	Naab Pump	Irrig.	1.40	28	21	17	Garfield	Aug.	3	1929	2091
Loup River, North Branch...	Anderson Brothers Irr. Co.	Hastings	Anderson Pump	Irrig.	5.17	7	15	9	Howard	Apr.	5	1930	2131

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Loup River, North Branch...	Smith, Daniel B.....	Ord.....	Smith Pump.....	Irrig.	2.25	9	19	14	Valley.....	Aug.	6	1930	.....	2154
Loup River, North Branch...	Mortensen, Crawford J.....	Ord.....	Mortensen Pump.....	Irrig.	1.94	5	19	14	Valley.....	Aug.	8	1930	.....	2155
Loup River, North Branch...	Stewart, Wm. J.....	Ord.....	Stewart Pump.....	Irrig.	.54	9	19	14	Valley.....	Aug.	11	1930	.....	2158
Loup River, North Branch...	Bloomquist, O. V.....	St. Paul.....	Bloomquist Pump.....	Irrig.	.83	16	15	10	Howard.....	Nov.	26	1930	.....	2178
Loup River, North Branch...	Sailing, Ira L.....	Cushing.....	Sailing Pump.....	Irrig.	.86	7	15	9	Howard.....	Jan.	14	1931	.....	2187
Loup River, North Branch...	Cox, R. K.....	Purdum.....	Cox Pump.....	Irrig.	4.87	9	24	25	Blaine.....	Feb.	25	1932	.....	2255
Loup River, North Branch...	Newton Irr. Dist.....	Moulton.....	Newton Canal.....	Irrig.	19.28	35	23	21	Blaine.....	Mar.	18	1932	.....	2263
Loup River, North Branch...	North Loup River Public Power and Irr. Dist.....	Ord.....	North Loup River Public Power and Irr. Dist.....	Irrig.		13	21	19	Loup.....	Mar.	28	1933	.....	2312*
						27	19	14	Valley.....				.....
						14	21	16	Garfield.....				.....
Loup River, North Branch...	North Loup River Public Power and Irr. Dist.....	Ord.....	Sioux Creek Power Plant	Power		36	21	17	Loup.....	Mar.	28	1933	.....	2313*
			Ord Power Plant.....	Power		32	19	13	Valley.....				.....
			Fort Hartsuff Power Plant.....	Power		10	20	15	Valley.....				.....

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Loup River, North Branch	Tetschner, Frank	Burwell	Tetschner Pump	Irrig.	.21	14	21	16	Garfield	May	24	1933	2323	
Loup River, North Branch	City of Ord	Ord	Municipal Pipe Line	Dom.	1.00	22	19	14	Valley	Jan.	5	1934	2349	
Loup River, North Branch	Cole, J. H. and W. B.	Taylor	Cole Pump	Irrig.	1.31	20	21	18	Loup	July	6	1934	2417	
Loup River, North Branch	Bales, Henry A.	Burwell	Bales Pump	Irrig.	.65	11	21	16	Garfield	July	14	1934	2427	
Loup River, North Branch	Wells, Lee	Taylor	Wells Pump	Irrig.		20	21	18	Loup	Aug.	6	1934	2455	
Loup River, North Branch	Britton, Jack	Burwell	Britton Pump	Irrig.	1.00	26	21	18	Loup	Aug.	20	1934	2467	
Loup River, North Branch	Loup County Irr. Dist.	Taylor	Loup County Irr. Dist. Project	Irrig.		24	22	20	Loup	Aug.	28	1934	2469*	
Loup River, North Branch	Satterfield, Katherine E.	Taylor	Satterfield Reservoir	Dom.		17	22	19	Loup	Oct.	2	1934	2482*	
Loup River, North Branch	Satterfield, Katherine E.	Taylor	Cole Pump Enlargement	Irrig.		20	21	18	Loup	Oct.	2	1934	2483*	
Loup River, North Branch	Coble, W. C.	Whitman	Coble Canal	Irrig.		20	28	35	Cherry	Oct.	10	1934	2485	
Loup River, North Branch	Coble, W. C.	Whitman	Coble Reservoir	Storage		20	28	35	Cherry	Oct.	10	1934	2486*	
Loup River, North Branch	Walker, Glenn	Burwell	Walker Pump	Irrig.		33	21	17	Loup	Nov.	2	1934	2490	

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Loup River, South Branch...	Callaway Milling and Electric Co.....	Callaway.....	Callaway Mill.....	Power	83.00	2	15	23	Custer.....	Oct.	1	1889	988	.....
Loup River, South Branch...	Tillson, W. Z.....	Poole.....	Tillson Canal.....	Irrig.	15.57	29	12	15	Buffalo.....	Dec.	28	1894	236	.....
Loup River, South Branch...	Boblitz, E. J.....	Oconto.....	Boblitz Canal.....	Irrig.	.50	10	14	21	Custer.....	Jan.	17	1895	219a	.....
Loup River, South Branch...	Boblitz, E. J.....	Oconto.....	Boblitz Canal.....	Power	20.00	10	14	21	Custer.....	Jan.	17	1895	219b	.....
Loup River, South Branch...	Brown, A. D.....	Milldale.....	Brown Canal.....	Irrig.	.86	31	17	24	Custer.....	Feb.	23	1897	.....	363
Loup River, South Branch...	Hartzell, B. F.....	Logan.....	Hartzell Canal.....	Irrig.	.37	27	18	26	Logan.....	May	18	1897	.....	390
Loup River, South Branch...	C. B. & Q. R. R. Co.....	Lincoln.....	Ravenna Pipe Line.....	Dom.	.50	9	12	14	Buffalo.....	Dec.	24	1914	.....	1393
Loup River, South Branch...	Central Power Co.....	Grand Island.....	Grand Island Electric Plant.....	Power	840.00	35	13	12	Howard.....	Jan.	18	1915	.....	1400
Loup River, South Branch...	Perkins, Mrs. Ethel.....	Arnold.....	Perkins Canal.....	Irrig.	3.77	25	17	25	Custer.....	Mar.	30	1928	.....	1994
Loup River, South Branch...	Finch, W. M.....	Callaway.....	Finch Pump.....	Irrig.	2.30	9	16	24	Custer.....	Sept.	27	1928	.....	2037
Loup River, South Branch...	Quest, C. E.....	Boelus.....	Quest Canal.....	Irrig.	1.55	33	13	12	Howard.....	June	13	1930	.....	2143
Loup River, South Branch...	Roth, Fred.....	Ravenna.....	Roth Pump.....	Irrig.		5	12	13	Buffalo.....	June	7	1934	.....	2400
Loup River, South Branch...	Wall, R. V.....	Logan.....	Wall Pump.....	Irrig.	.32	35	18	26	Logan.....	June	18	1934	.....	2410

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR [†] TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Loup River, South Branch.....	Pressey, H. E.	Oconto.....	The Maples.....	Irrig.		9	14	21	Custer.....	Sept.	13	1934	.....	2475
Mira Creek.....	McClellan, C. W.	North Loup.....	Mira Reservoir.....	Storage	†140AF	26	18	13	Valley.....	Mar.	8	1912	.....	1182
(Reservoir A-1182)	McClellan, C. W.	North Loup.....	Mira Reservoir Canal.....	Irrig.	1.32	26	18	13	Valley.....	Oct.	20	1912	.....	1239
Mira Creek.....	Hutchins, W. T.	North Loup.....	Hutchins Dam.....	Irrig.	.20	26	18	13	Valley.....	Apr.	18	1916	.....	1453
Monroe Creek.....	Loup River Public Power Dist.....	Columbus.....	Monroe Reservoir.....	Storage	†2000 AF	36	18	3	Platte.....	Feb.	22	1933	.....	2305
						31	18	2						
Monroe Creek.....	Loup River Public Power Dist.....	Columbus.....	Monroe Creek Power Plant.....	Power	5.00	31	18	2	Platte.....	June	9	1933	.....	2325
						36	18	3						
Mud Creek.....	Penn, Chas.....	Broken Bow.....	Penn Canal.....	Irrig.	.50	33	17	20	Custer.....	Aug.	14	1894	215	.....
Mud Creek.....	Benson, C. W.....	Litchfield.....	Litchfield Mills.....	Power		33	14	16	Sherman.....				999*	.....
Mud Creek.....	Mason City Roller Mill and Light Plant.....	Mason City.....	Mason City Mill and Light Plant.....	Power		31	15	17	Custer.....				1042*	.....
Mud Creek.....	Lang, Geo. W.....	Litchfield.....	Lang Pump.....	Irrig.	1.21	13	14	17	Custer.....	Aug.	20	1926	.....	1848
Mud Creek.....	Wilson, Otis N.....	Litchfield.....	Wilson Pump.....	Irrig.	.51	14	14	17	Custer.....	Dec.	10	1926	.....	1879
Mud Creek.....	Van Sant, J. A.....	Broken Bow.....	Van Sant Pump.....	Irrig.	.27	33	17	20	Custer.....	Dec.	13	1926	.....	1883
Mud Creek.....	Sorensen, U.....	Berwyn.....	Sorensen Pump.....	Irrig.	1.00	21	16	19	Custer.....	Jan.	14	1927	.....	1884
Mud Creek.....	Willoughby, C. D.....	Mason City.....	Willoughby Pump.....	Irrig.	1.10	34	15	17	Custer.....	Feb.	8	1927	.....	1896

*Claim not adjudicated.

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
Mud Creek.....	Duke, R. H., et al.....	Mason City.....	Dorsett-Duke Amsberry Pump.....	Irrig.	2.41	31	15	17	Custer.....	Nov.	10	1928	.....	2051
Mud Creek.....	Yeoman, Jas. and L. E.....	Broken Bow.....	Yeoman Pump.....	Irrig.	.47	18	16	19	Custer.....	Jan.	3	1929	.....	2059
Mud Creek.....	Tracy, R. N.....	Mason City.....	Tracy Pump.....	Irrig.	.13	32	15	17	Custer.....	Apr.	23	1929	.....	2079
Mud Creek.....	Slote, E. A.....	Litchfield.....	Slote Pump.....	Irrig.	.64	33	14	16	Sherman.....	May	31	1934	.....	2391
Mud Creek.....	Haller, H. F.....	Litchfield.....	Haller Pump.....	Irrig.	.71	19	14	16	Sherman.....	July	13	1934	.....	2423
Mud Creek.....	Lang, J. R., Jr.....	Litchfield.....	Lang Pump.....	Irrig.		13	14	17	Custer.....	July	27	1934	.....	2445
Munson Creek.....	Lassen, Niels P.....	Elba.....	Lassen Pump.....	Irrig.	.50	1	15	12	Howard.....	Oct.	10	1929	.....	2108
Oak Creek.....	Hatt, Hans N.....	Dannebrog.....	Oak Creek Plant No. 1.....	Irrig.	2.28	2	13	11	Howard.....	Jan.	18	1919	.....	1530
Oak Creek.....	Larson, L. E.....	Dannebrog.....	Dannebrog Reservoir.....	Dom.		2	13	11	Howard.....	Sept.	16	1919	.....	1556
Oak Creek.....	Krogh, Arnold.....	Dannebrog.....	Krogh Pump.....	Irrig.	.53	30	14	11	Howard.....	Mar.	5	1930	.....	2126
Platte River.....	Fremont Canal and Power Co.....	Fremont.....	Fremont Canal.....	Irrig. Power	2500.00	30	17	4	Butler.....	June	21	1895	.....	40
Platte River.....	City of Omaha.....	Omaha.....	Fremont-Omaha Canal.....	Power	2000.00	30	17	4	Butler.....	Mar.	25	1908	.....	894
Platte River.....	Grant, William.....	Lincoln.....		Power		1	16	1E	Butler.....	Nov.	18	1933	.....	2346*
Sand Creek.....	Nelson, John.....	Callaway.....	Troyer Pump.....	Irrig.	.24	10	15	23	Custer.....	Feb.	21	1916	.....	1447
Shell Creek.....	Schmitt, P.....	Columbus.....	Schmitt Canal.....	Irrig.	3.00	19	18	1	Platte.....	Dec.	17	1894	292a	.....
Shell Creek.....	Schmitt, P.....	Columbus.....	Schmitt Canal.....	Power	30.50	19	18	1	Platte.....	Dec.	17	1894	292b	.....
Shell Creek.....	Gottberg, Max.....	Columbus.....	Gottberg Canal.....	Irrig.	1.00	24	18	1	Platte.....	June	6	1895	.....	2
Shell Creek.....	The Island Realty Co.....	Grand Island.....	Skull Creek Dam.....	Irrig.		11	25	20	Rock.....	Aug.	14	1934	.....	2462

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR	T	R	County	Mo.	D	Yr.		
Spring Branch.....	Milldale Farm and Live Stock Improvement Co.	Council Bluffs	Haskill Canal.....	Irrig.	7.00	31	17	24	Custer.....	Feb.	27	1914	.....	1357
Spring Creek.....	Hendryx, H. J.....	Monroe.....	Hendryx Canal.....	Irrig.	1.33	2	17	3	Platte.....	June	25	1894	290	.....
Turkey Creek.....	Mortensen, M. C.....	Dannebrog.....	Mortensen Reservoir.....	Storage	†234AF	21	14	11	Howard.....	Aug.	31	1931	.....	2232
(Reservoir A-2232)	Mortensen, M. C.....	Dannebrog.....	Mortensen Canal.....	Irrig.	1.00	21	14	11	Howard.....	Dec.	17	1931	.....	2251
Turkey Creek.....	Miller, Andrew S.....	Dannebrog.....	Miller Reservoir.....	Storage	†30AF	35	14	11	Howard.....	Jan.	20	1934	.....	2356
(Reservoir A-2356)	Miller, Andrew S.....	Dannebrog.....	Miller Reservoir Canal.....	Irrig.		35	14	11	Howard.....	Sept.	18	1934	.....	2476*
Victoria Creek.....	Myers, Perry A.....	Anselmo.....	Victoria Canal No. 1.....	Irrig.	.71	1	19	21	Custer.....	Mar.	17	1894	210- } 212 }	.....
Victoria Creek.....	Victoria Ditch Assn.....	Gates.....	Victoria Canal No. 2.....	Irrig.	8.88	1	19	21	Custer.....	July	17	1894	213	.....
Victoria Creek.....	Laughran, Thomas.....	Anselmo.....	Laughran and Bell Canal.....	Irrig.	.31	3	19	21	Custer.....	Sept.	22	1894	217	.....
Victoria Creek.....	Myers, Perry A.....	Anselmo.....	Myers Canal.....	Irrig.	1.51	1	19	21	Custer.....	Aug.	5	1926	.....	1843
Victoria Creek.....	Victoria Ditch Assn.....	Broken Bow.....	Victoria Canal No. 2 Enlargement.....	Irrig.	1.01	1	19	21	Custer.....	Aug.	12	1926	.....	1845
Victoria Creek.....	McGraw, Chas.....	Anselmo.....	McGraw Canal.....	Irrig.	2.95	6	19	20	Custer.....	July	23	1927	.....	1945
Victoria Creek.....	McGraw, Chas.....	Anselmo.....	McGraw Canal.....	Irrig.	2.86	6	19	20	Custer.....	Aug.	6	1928	.....	2023
Victoria Creek.....	McGraw, Chas. M.....	Broken Bow.....	McGraw Pump.....	Irrig.	.80	6	19	20	Custer.....	June	4	1934	.....	2398
Wiggle Creek.....	Morrison, F. W.....	Callaway.....	Morrison Pump.....	Irrig.	.30	3	15	23	Custer.....	Oct.	17	1928	.....	2045

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Battle Creek.....	Hohenstein, Emma and Tomhagan, Ida.....	Battle Creek.....	Battle Creek Mill.....	Power	10.67	36	24	3	Madison.....	Nov.	12	1898	.....	484
Battle Creek.....	Hohenstein, Emma and Tomhagan, Ida.....	Battle Creek.....	Battle Creek Mill.....	Power	20.00	36	24	3	Madison.....	Apr.	20	1906	.....	818
Cedar Creek.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Oakdale Plant No. 1.....	Power		11	24	6	Antelope.....	June	29	1931	.....	2211*
Cedar Creek.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Oakdale Plant No. 2.....	Power		15	24	6	Antelope.....	June	29	1931	.....	2212*
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
Dee Creek.....	Hilt, Peter, Jr.....	Waverly.....	Hilt Pump.....	Irrig.	1.72	7	11	9E	Cass.....	June	12	1933	.....	2326
Elkhorn River.....	Norfolk Cereal Flour Mills.....	Norfolk.....	Norfolk Cereal and Flour Mills.....	Power	100.00	23	24	1	Madison.....	Mar.	1	1870	996	.....
Elkhorn River.....	Interstate Power Co.....	Dubuque, Ia.....	Atkinson Mill.....	Power	38.50	30	30	14	Holt.....	Nov.	1	1893	271	.....
Elkhorn River.....	Elkhorn Irr. Co.....	O'Neill.....	Elkhorn Canal.....	Irrig.	131.43	22	29	13	Holt.....	Feb.	3	1894	259	.....
Elkhorn River.....	Davis, Jos.....	O'Neill.....	Davis Canal.....	Irrig.	1.43	31	29	11	Holt.....	Feb.	8	1894	260	.....
Elkhorn River.....	Carlson, Thos.....	O'Neill.....	Carlson Canal No. 1.....	Irrig.	1.00	32	29	11	Holt.....	Feb.	8	1894	261	.....
Elkhorn River.....	Carlson, Thos.....	O'Neill.....	Carlson Canal No. 2.....	Irrig.	5.00	30	29	11	Holt.....	Feb.	8	1894	262	.....
Elkhorn River.....	Cain, N. E., et al.....	O'Neill.....	Cain Canal.....	Irrig.	5.00	32	29	11	Holt.....	Feb.	20	1895	283	.....

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Elkhorn River.....	Ross, Chas. P.....	Omaha.....	Platte River Hydro-Electric Plant.....	Power	500.00	14	15	10	Douglas.....	Nov.	24	1909	.....	971
Elkhorn River.....	Neligh, W. T. S.....	West Point.....	West Point Hydro-Electric 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.....	North Platte.....	Eubank Pump.....	Irrig.	.79	10	25	7	Antelope.....	July	5	1934	.....	2416
Elkhorn River, North Fork.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Cooling System.....	Mfg.	35.00	22	24	1	Madison.....	Feb.	21	1928	.....	1986
Elkhorn River, North Fork.....	Norfolk Packing Co.....	Norfolk.....	Warfield Pump.....	Irrig.	1.03	15	24	1	Madison.....	June	15	1929	.....	2085
Elkhorn River, North Fork.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Pierce Plant.....	Power		26	26	2	Pierce.....	June	29	1931	.....	2213*
Elkhorn River, North Fork.....	Stahl, Carl C.....	Norfolk.....	Stahl Pump.....	Irrig.	.42	10	24	1	Madison.....	Aug.	17	1933	.....	2343
Elkhorn River, North Fork.....	Hagel, Robert A.....	Norfolk.....	Hagel Pump.....	Irrig.		15	24	1	Madison.....	Sept.	12	1934	.....	2474
Elkhorn River, South Fork.....	Rothleuter, Albert.....	Ewing.....	Flouring Mill.....	Power	33.00	3	26	9	Holt.....	Aug.	21	1898	.....	464
Logan Creek..... (Oakland Drain)	Johnson, Harry G.....	Oakland.....	Johnson Pump.....	Irrig.	1.71	35	22	8E	Burt.....	Feb.	20	1931	.....	2192

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Middle Creek.....	Malone, Robert.....	Lincoln.....	Malone Ice Plant.....	Ice	10.00	30	10	6E	Lancaster.....	Dec.	26	1907	.....	883
Oak Creek.....	Eiche, Herman.....	Lincoln.....	Eiche Plant.....	Irrig.	.71	17	10	6E	Lancaster.....	Jan.	4	1899	.....	489
Oak Creek.....	Central Realty and Investment Co.....	Lincoln.....	Capital Beach Dam.....	Storage	†50AF	16	10	6E	Lancaster.....	June	5	1918	.....	1516
Oak Creek.....	Cheney, E. J.....	Lincoln.....	Cheney Pump.....	Irrig.	.45	8	10	6E	Lancaster.....	Feb.	6	1929	.....	2069
Oak Creek.....	Hanich, Edward.....	Lincoln.....	Hanich Pump.....	Irrig.	.15	8	10	6E	Lancaster.....	Nov.	21	1929	.....	2115
Oak Creek.....	Clark, Arthur.....	Lincoln.....	Clark Pump.....	Irrig.	.14	17	10	6E	Lancaster.....	Apr.	11	1930	.....	2132
Oak Creek.....	Iowa-Nebraska Light and Power Co.....	Lincoln.....	Valparaiso Plant.....	Power		22	13	5E	Saunders.....	Sept.	1	1931	.....	2233*
Oak Creek.....	Cheney, L. H.....	McCook.....	Cheney Pump.....	Irrig.	.66	8	10	6E	Lancaster.....	Sept.	22	1931	.....	2239
Oak Creek.....	Witmer, J. L.....	Lincoln.....	Witmer Pump.....	Irrig.	.04	15	10	6E	Lancaster.....	Feb.	8	1933	.....	2301
Oak Creek.....	Burcham, W. F.....	Lincoln.....	Burcham Pump.....	Irrig.	1.73	20	11	6E	Lancaster.....	July	13	1934	.....	2422
Oakland Drain.....	Johnson, J. A.....	Oakland.....	Johnson Pump.....	Irrig.	.92	36	22	8E	Burt.....	Sept.	10	1931	.....	2236
Platte River.....	Ross, Chas. P.....	Omaha.....	Platte River Hydro-Electric Plant.....	Power	2500.00	6	14	10	Douglas.....	Nov.	24	1909	.....	970
Platte River.....	Parmlee and Rawls.....	Plattsmouth.....	Plattsmouth Power Plant.....	Power	2000.00	32	13	13	Cass.....	Sept.	4	1914	.....	1379
Rock Creek.....	Stark, Chris.....	Ceresco.....	Stark Pump.....	Irrig.	1.08	31	13	7E	Saunders.....	Aug.	6	1931	.....	2225

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Rock Creek.....	Jeffrey, Lloyd.....	Waverly.....	Jeffrey Pump.....	Irrig.	.46	34	12	8E	Lancaster.....	May	12	1934	.....	2382
Ryans Lake.....	Elkhorn River Drainage Dist.	Fremont.....	Cutoff "H".....	Drain		4	17	9E	Dodge.....	Oct.	16	1909	.....	966
Salt Creek.....	C. B. & Q. R. R. Co.....	Lincoln.....	C. B. & Q. Water Supply.....	Dom.	2.00	3	9	6E	Lancaster.....	Sept.	20	1923	.....	1722
Salt Creek.....	Rutherford, Frank.....	Hastings.....	Rutherford Pump.....	Irrig.	9.11	24	11	7E	Lancaster.....	July	1	1925	.....	1766
Salt Creek.....	Board of Control.....	Lincoln.....	Penitentiary Canal.....	Irrig.	3.00	11	9	6E	Lancaster.....	June	15	1926	.....	1817
Salt Creek.....	Roper, C. H.....	Lincoln.....	University Shooting Club.....	Resort		32	11	7E	Lancaster.....	July	29	1926	.....	1837
Salt Creek.....	Village of Hickman.....	Hickman.....	Hickman Park Reservoir.....	Resort		33	8	7E	Lancaster.....	Apr.	2	1934	.....	2371
Salt Creek.....	Splain, William F.....	Lincoln.....	Splain-Bogan Pump.....	Irrig.	.11	25	9	6E	Lancaster.....	June	18	1934	.....	2412
Sand Creek.....	Hudec, Joe.....	Wahoo.....	Wannhoo Park Reservoir.....	Fish	†12AF	3	14	7E	Saunders.....	July	25	1934	.....	2442
Sand Creek.....	Dolezal, Edward.....	Wahoo.....	Dolezal Reservoir.....	Fish		22	15	7E	Saunders.....	Aug.	1	1934	.....	2452
Springs.....	Newton Land Company.....	Omaha.....	Spring Branch Canal.....	Irrig.	.07	13	14	13E	Sarpy.....	June	18	1895	.....	29
Silver Creek.....	Game, Forestation and Parks Commission.....	Lincoln.....	Armour and Company Reservoir.....	Ice	10.00	7	13	9E	Saunders.....	Oct.	18	1897	.....	415
Silver Creek.....	Swift and Co.....	Chicago.....	Swift and Company Ice Plant.....	Ice	10.00	7	13	9E	Saunders.....	Dec.	6	1899	.....	524

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Silver Creek.....	Hanke, Herman.....	Ithaca.....	Hanke Pump.....	Irrig.		35	14	8E	Saunders.....	July	23	1934	.....	2436
Stevens Creek.....	Moore, R. E.....	Lincoln.....	Stevens Creek Canal.....	Irrig.	1.00	2	10	7E	Lancaster.....	Nov.	19	1913	.....	1335
Union Creek.....	Krueger, Helen R.....	Humphrey.....	Krueger Pump.....	Irrig.	.43	24	21	2	Madison.....	May	9	1934	.....	2379
Union Creek.....	Steckelberg, Carl Frederic	Lincoln.....	Steckelberg Pump.....	Irrig.		31	22	1E	Stanton.....	Aug.	13	1934	.....	2461
Union Creek and Taylor Creek.....	Bley, Louis G.....	Madison.....	Union Valley Roller Mills	Power		32	22	1	Madison.....	.....	.....	.....	998*	.....
Wahoo Creek.....	Wahoo Hunting Club.....	Lincoln.....	Ayr Lake.....	Resort		28	13	9E	Saunders.....	Dec.	30	1930	.....	2184
Wahoo Creek.....	Treptow, Herman.....	Ithaca.....	Treptow Pump.....	Irrig.		20	14	8E	Saunders.....	July	25	1934	.....	2444
Wahoo Creek.....	Breyer, William F.....	Ithaca.....	Breyer Pump.....	Irrig.		29	14	8E	Saunders.....	Aug.	15	1934	.....	2463

*Claim not adjudicated.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR	TED	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
Antelope Creek.....	Julian, A. R., et al.....	Gordon.....	Antelope Canal.....	Irrig.	.36	21	32	40	Cherry.....	June	29	1905	.....	798
Antelope Creek.....	Louks, W. A.....	Gordon.....	Louks Pump.....	Irrig.	.12	30	33	41	Sheridan.....	May	22	1933	.....	2322
Antelope Creek.....	Green, M. E.....	Gordon.....	Green Pump.....	Irrig.	.09	30	33	41	Sheridan.....	May	29	1934	.....	2387
Ashburn Creek.....	Zilmer, W. H.....	Valentine.....	Ashburn Canal.....	Irrig.	.43	27	34	26	Cherry.....	June	17	1905	.....	676
Bear Creek.....	Skinner, Thomas.....	Springview.....	Skinner Canal.....	Irrig.	.22	15	32	21	Keya Paha.....	June	20	1888	609	.....
Bear Creek.....	Cedarburg, P.....	Springview.....	Cedarburg Canals Nos. 1 and 2.....	Irrig.	.02	3	32	21	Keya Paha.....	Oct.	3	1898	.....	479
Bear Creek.....	Woods Brothers Realty Co.....	Lincoln.....	Woods Brothers Canal.....	Irrig.	11.78	29	34	35	Cherry.....	Sept.	21	1928	.....	2035
Bear Creek.....	Cole, D. Jason.....	Merriman.....	Cole Project.....	Irrig.	8.19	13	34	37	Cherry.....	Feb.	24	1932	.....	2254
							14	34	37					
							7	34	36					
							8	34	35					
							10	34	36					
Bear Creek.....	Bates, Harold S.....	Merriman.....	Bates Project.....	Irrig.	6.50	8	34	37	Cherry.....	July	12	1932	.....	2276
							7	34	37					
							12	34	38					
Bear Creek.....	Bowring, Arthur.....	Merriman.....	Bar Ninety Nine Ranch Canal.....	Irrig.	.80	15	34	37	Cherry.....	Aug.	31	1932	.....	2282
Beaver Creek.....	Tulloss, Frank L.....	Hay Springs.....	Tulloss Pond.....	Storage	†9AF	3	32	46	Sheridan.....	May	22	1930	.....	2141
Beeman Creek.....	Barnard, C. O.....	Springview.....	Barnard Canal.....	Irrig.	.43	21	32	20	Keya Paha.....	June	1	1892	603	.....
Beeman Creek.....	Vargason, Orval.....	Riverview.....	Beeman Canal.....	Irrig.	1.00	23	32	20	Keya Paha.....	May	20	1892	620	.....

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GB'TED	S	T	R	County	Mo.	D			Yr.
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	Bachelor, J. H.	Valentine	Boardman Canal	Irrig.	28.57	33	30	32	Cherry	Jan.	17	1912	1155	
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 Power 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.	.63	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.	.35	2	33	20	Keya Paha	Sept.	2	1895	142	
Canyon	Gilmore, Emery	South Omaha	Gilmore Canal	Irrig.	14.29	36	30	54	Sioux	July	5	1907	863	
Cedar Creek	McNamee, K. M.	Wood Lake	Cedar Creek Canal	Irrig.	.43	4	30	24	Cherry	Sept.	28	1910	1027	
Chimney Creek	Swim, Charles C.	Springview	Swim Canal	Irrig.		24	33	23	Keya Paha	July	18	1934	2431	

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D			Yr.
Coffey Lake, et al	Coffey Lake Drainage Dist.	Valentine	Coffey Lake Ditch	Drain		33	39	Cherry	Nov.	22	1923		1729
Coon Creek (See Laughing Water Creek)	Leonard, J. R.	Bassett	Leonard Pump	Irrig.	1.00	24	32	19 Rock	Aug.	17	1933		2344
Cottonwood Creek	Morrissey, Tim	Dunlap	Morrissey Canal	Irrig.	.71	17	29	48 Dawes	Feb.	16	1895	481	
Cottonwood Creek	Fendrich and Lichte	Dunlap	Fendrich-Lichte Canal	Irrig.	.64	22	29	48 Dawes	May	9	1896		336
Cottonwood Creek	Lichte, Hugo	Dunlap	Dunlap Canal	Irrig.	.50	22	29	48 Dawes	July	18	1911		1113
Coyote Springs	Watson, Claude R.	Mitchell	Watson Canal	Irrig.		16	27	54 Sioux	July	7	1934		2418*
Crooked Creek	Mutz, Otto	Springview	Mutz Canal	Power	3.00	19	34	19 Keya Paha	Dec.	31	1889	608a	
Crooked Creek	Mutz, Otto	Springview	Mutz Canal	Irrig.	1.00	19	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	
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	Spinar, Frank J.	Red Bird	Spinar Canal	Irrig.		1	32	11 Holt	June	9	1934		2404
Eagle Creek, South Branch	Becker, Samuel	Atkinson	Becker Canal	Irrig.	1.14	8	30	13 Holt	Nov.	30	1894	274	

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR	T	R	County	Mo.	D	Yr.		
Elk Creek.....	Lamb Brothers.....	Bassett.....	Lamb Brothers Canal.....	Irrig.	.01	6	31	19	Rock.....	Feb.	3	1934	.....	2359
Elk Creek.....	Lamb Brothers.....	Bassett.....	Lamb Brothers Power Plant.....	Power	3.00	6	31	19	Rock.....	Feb.	3	1934	.....	2360
Elk Creek.....	Koenig, Joe.....	Riverview.....	Pine Grove Reservoir.....	Fish	†1AF	8	31	19	Rock.....	Apr.	30	1934	.....	2375
Fairfield Creek.....	Kuhre, Wm. M.....	Johnstown.....	Kuhre Pond.....	Power	.14	31	33	23	Brown.....	Sept.	1	1893	612a	.....
Fairfield Creek.....	Kuhre, Wm. M.....	Johnstown.....	Kuhre Canal.....	Irrig.	25.00	31	33	23	Brown.....	June	1	1894	612b	.....
Glencove Springs	Bakewell, Geo. C.....	Johnstown.....	Glencove Canal.....	Irrig.	.86	26	33	24	Brown.....	Mar.	1	1911	.....	1067
Gordon Creek.....	Wolfenden, C. R.....	Kennedy.....	Lee Canal.....	Irrig.	6.86	6	29	33	Cherry.....	Apr.	25	1895	973	.....
Gordon Creek..... (Hackberry Lake, et al)	Nebraska Game, For- estation and Parks Commission.....	Lincoln.....	Hackberry Reservoir.....	Fish	†5000 AF	7	30	29	Cherry.....	Oct.	18	1932	.....	2289
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 Creek	Bruce, A.....	Norden.....	Bruce Canal.....	Irrig.	.17	16	33	24	Keya Paha.....	Sept.	7	1895	.....	149
Horse Shoe Lake, et al.....	Horse Shoe Lake Drainage Dist.....	Irwin.....	Horse Shoe Ditch.....	Drain		13	34	40	Cherry.....	June	27	1916	.....	1461
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	.....

†Acres feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
Keyapaha River	Yocum, J. C.	Butte	Yocum Canal	Irrig.	1.14	23	34	15	Boyd	Sept.	7	1894	573	
Keyapaha River	Bruce, Andrew and Son	Naper	Bruce Roller Mills	Power	100.00	24	34	16	Boyd	Oct.	5	1903		729
Kibby Creek	Green, Martha J.	Hillside	Green Canal	Irrig.	.01	28	34	16	Boyd	Apr.	1	1904		747
Larabee Creek	Sawyer, C. O.	Rushville	Larabee Canal	Irrig.	1.12	6	34	44	Sheridan	Apr.	14	1931		2197
Laughing Water Creek (See Coon Creek)	Leonard, J. R.	Bassett	Leonard Pump	Irrig.	.43	25	32	19	Rock	Aug.	17	1933		2344
Lewis Springs	Lewis, Ralph	Burton	Lewis Canal	Irrig.	.14	29	35	19	Keya Paha	Aug.	30	1895		139
Long Pine Creek	Interstate Power Co.	Dubuque, Ia.	Long Pine Light and Power Plant	Power	48.00	30	30	20	Brown	Apr.	2	1909		941
Louse Creek, Tributary to Niobrara River	Lansberry, I. F.	Red Bird	Lansberry Canal	Irrig.	.50	12	32	10	Boyd	Sept.	18	1930		2166
Middle Creek, East Branch	McGuire, M. W.	Norden	McGuire Canal	Irrig.	.71	32	33	23	Keya Paha	June	1	1884	606	
Middle Creek, West Branch	Allen, M. M.	Norden	Allen Canal	Irrig.	.50	29	33	23	Keya Paha	June	1	1891	616	
Middle Creek, West Branch	Allen, M. M.	Norden	Allen Canal	Irrig.	1.00	29	33	23	Keya Paha	May	2	1904		753

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Mile Board Lake.	Board of County Commissioners	Valentine.....	Mile Board Drain Ditch.....	Drain		5	34	35	Cherry.....	Sept.	17	1924	.....	1750
Minnehaduzza Creek	Interstate Power Co.....	Dubuque, Ia.....	Pierce Milling Plant.....	Power	35.00	30	34	27	Cherry.....	Sept.	12	1896	.....	359
Minnehaduzza Creek	City of Valentine.....	Valentine.....	Valentine Power Plant.....	Power	40.00	29	34	27	Cherry.....	Apr.	16	1913	.....	1279
Newman Creek.....	Newman, Philo.....	Norden.....	Newman Canal.....	Irrig.	.21	17	33	24	Keya Paha.....	July	1	1888	617	.....
Niobrara River.....	Richardson, Wiley.....	Harrison.....	Lakatoh Canal.....	Irrig.	5.85	1	30	57	Sioux.....	Oct.	1	1883	554	.....
Niobrara River.....	The Coffee Cattle Co.....	Chadron.....	Earnest Canal No. 1.....	Irrig.	2.86	9	29	56	Sioux.....	May	1	1885	514a	.....
Niobrara River.....	Bruce, A.....	Norden.....	Bruce Mill.....	Power	60.00	16	33	24	Keya Paha.....	Apr.	1	1886	610	.....
Niobrara River.....	Cook, J. H.....	Agate.....	McGinley-Stover Lower North Canal.....	Irrig.	8.21	25	29	56	Sioux.....	May	1	1887	513a	.....
Niobrara River.....	Furman, H. G. Jr.....	Marsland.....	Pioneer Canal.....	Irrig.	7.14	36	29	51	Dawes.....	Aug.	1	1887	442a	.....
Niobrara River.....	Hedgecock, Geo., et al.....	Marsland.....	McLaughlin Canal.....	Irrig.	7.14	9	28	52	Box Butte.....	May	1	1888	566	.....
Niobrara River.....	Cook, J. H.....	Agate.....	McGinley-Stover Lower South Canal.....	Irrig.	1.71	25	29	56	Sioux.....	May	1	1890	513b	.....
Niobrara River.....	Hughes, John, Estate of.....	Marsland.....	Hughes Canal.....	Irrig.	.57	1	28	52	Box Butte.....	May	31	1890	987a	.....
Niobrara River.....	The 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 No. 1 and No. 2.....	Irrig.	3.54	2	28	56	Sioux.....	May	31	1891	980	.....
Niobrara River.....	Ellicott Brothers.....	Van Tassel, Wyo.....	Bigelow and Seymour Canal	Irrig.	2.40	19	31	57	Sioux.....	June	8	1891	510	.....
Niobrara River.....	Skavdahl, Oscar, et al.....	Harrison.....	Harris-Neece Canal.....	Irrig.	8.57	3	28	55	Sioux.....	July	1	1892	517	.....
Niobrara River.....	Furman, H. G., Jr.....	Marsland.....	Pioneer Canal.....	Power	10.00	31	29	50	Dawes.....	Aug.	1	1893	442b	.....

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
Niobrara River.....	Roll Mill Co.....	Marsland.....	Roll Mill.....	Power	35.00	5	28	51	Box Butte.....	Sept.	10	1893	970	.....
Niobrara River.....	Green, Frank J.....	Boulder, Colo.....	Meridan Canal.....	Irrig.	.57	25	29	50	Dawes.....	Jan.	10	1894	459	.....
Niobrara River.....	Taylor, Geo. L.....	Nonpariel.....	Enterprise Canal.....	Irrig.	5.71	27	29	50	Dawes.....	Jan.	27	1894	461	.....
Niobrara River.....	Furman, H. G.....	Marsland.....	Furman Canal.....	Irrig.	3.64	29	29	50	Dawes.....	Feb.	2	1894	462	.....
Niobrara River.....	Hughes, John, Est. of.....	Marsland.....	Hughes Canal.....	Irrig.	.30	1	28	52	Box Butte.....	Apr.	15	1894	987b	.....
Niobrara River.....	Warneke, Henry.....	Harrison.....	Johnson Canal.....	Irrig.	2.86	36	31	57	Sioux.....	May	1	1894	511	.....
Niobrara River.....	McMannis, J. T., et al.....	Hemingford.....	McMannis-Neeland Canal.....	Irrig.	.86	29	29	49	Dawes.....	June	15	1894	463	.....
Niobrara River.....	McCully, S. J.....	Carns.....	McCully Canal.....	Irrig.	8.57	25	32	20	Keya Paha.....	Aug.	7	1894	583	.....
Niobrara River.....	Fienken, Chas.....	Dustin.....	Fienken Canal.....	Irrig.	1.00	12	33	16	Boyd.....	Oct.	1	1894	575	.....
Niobrara River.....	Wilson, J. A.....	Springview.....	Wilson Canal.....	Irrig.	5.71	18	32	21	Keya Paha.....	Oct.	18	1894	591	.....
Niobrara River.....	Iodence, W. M.....	Hemingford.....	Lichte Canal.....	Irrig.	1.43	27	29	48	Dawes.....	Jan.	24	1895	479	.....
Niobrara River.....	Warneke, H.....	Harrison.....	Warneke Canal.....	Irrig.	1.57	27	31	57	Sioux.....	Feb.	13	1895	505	.....
Niobrara River.....	Cook, J. H.....	Agate.....	McGinley-Stover Upper Canal.....	Irrig.	2.86	23	29	56	Sioux.....	Feb.	25	1895	521	.....
Niobrara River.....	Harris, Caroline M.....	Marsland.....	LaBelle Canal.....	Irrig.	2.00	6	28	54	Sioux.....	Mar.	12	1895	518	.....
Niobrara River.....	Furman, H. G.....	Marsland.....	Snow Canal.....	Irrig.	2.86	35	29	51	Dawes.....	Mar.	26	1895	485	.....
Niobrara River.....	Hughes, Mary F.....	Marsland.....	Excelsior Canal.....	Irrig.	2.86	10	28	52	Box Butte.....	May	15	1895	568	.....
Niobrara River.....	Mann, John E.....	Harrison.....	Bourett Canal.....	Irrig.	1.60	33	30	56	Sioux.....	June	8	1895	.....	4
Niobrara River.....	Bourett, John S.....	Harrison.....	Bourett South Canal.....	Irrig.	.63	29	30	56	Sioux.....	June	10	1895	.....	5
Niobrara River.....	Harris, Caroline M.....	Marsland.....	LaBelle Canal.....	Irrig.	3.14	6	28	54	Sioux.....	July	3	1895	.....	60
Niobrara River.....	Bond-Tissot.....	Peters.....	Usher Canal.....	Irrig.	1.16	19	29	46	Sheridan.....	July	17	1895	.....	82
Niobrara River.....	Thompson, Mrs. Addie.....	Antioch.....	Moore Canal.....	Irrig.	5.71	9	28	53	Sioux.....	July	22	1895	.....	88
Niobrara River.....	Peters, H. A., et al.....	Hay Springs.....	Hay Springs Canal.....	Irrig.	14.29	29	29	47	Dawes.....	Sept.	27	1895	.....	173
Niobrara River.....	Sandoz, George.....	Marsland.....	Mettlen Canal.....	Irrig.	4.90	4	28	54	Sioux.....	Apr.	27	1896	.....	292
Niobrara River.....	Neeland, Sarah J.....	Hemingford.....	McManus-Neeland Canal.....	Irrig.	1.93	29	29	49	Dawes.....	Apr.	9	1898	.....	448
Niobrara River.....	Armstrong, T. S.....	Butte.....	Armstrong Canal.....	Power	150.00	9	33	13	Boyd.....	May	14	1898	.....	452
Niobrara River.....	Hunter, Jas. A.....	Alliance.....	Meridan Canal.....	Irrig.	5.14	25	29	50	Dawes.....	Aug.	29	1898	.....	469

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.	D			Yr.
Niobrara River.....	Bourett, J. S.....	Harrison.....	Bourett Canal.....	Irrig.	1.00	29	30	56	Sioux.....	Mar.	5	1900	.....	542
Niobrara River.....	Bourett, J. S.....	Harrison.....	J. S. Bourett Canal.....	Irrig.	2.00	19	30	56	Sioux.....	Mar.	17	1900	.....	546
Niobrara River.....	Montague, James.....	Dunlap.....	Montague-Lichte Canal.....	Irrig.	.43	27	29	48	Dawes.....	Sept.	27	1900	.....	575
Niobrara River.....	Montague, James.....	Dunlap.....	Chladek Canal.....	Irrig.	.30	26	29	48	Dawes.....	Mar.	18	1901	.....	607
Niobrara River.....	Fendrich, G. A.....	Dunlap.....	Fendrich Canal.....	Irrig.	.29	32	29	48	Dawes.....	June	1	1901	.....	616
Niobrara River.....	Fendrich, G. A.....	Dunlap.....	Fendrich Canal.....	Irrig.	.27	32	29	48	Dawes.....	June	1	1901	.....	617
Niobrara River.....	Interstate Power Co.....	Dubuque, Ia.....	Valentine Power Plant.....	Power	1600.00	27	34	27	Cherry.....	Jan.	29	1902	.....	652
Niobrara River.....	Potmesil Brothers.....	Dunlap.....	Potmesil Canal.....	Irrig.	6.00	26	29	48	Dawes.....	May	19	1904	.....	757
Niobrara River and Pepper Cr.	Taylor, D. T.....	Hay Springs.....	Taylor Canal.....	Irrig.	4.57	28	29	47	Dawes.....	Aug.	8	1904	.....	766
Niobrara River.....	Kirk, E. L.....	Sioux City.....	Nebraska Power Co. Plant.....	Power	900.00	34	32	7	Knox.....	Sept.	24	1909	.....	961
Niobrara River.....	Kirk, E. L.....	Sioux City.....	Nebraska Power 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 Enlarge- ment.....	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.....	Montague, James, Estate.....	Dunlap.....	Lichte Canal.....	Irrig.	.45	27	29	48	Dawes.....	Apr.	19	1911	.....	1088
Niobrara River.....	Hopkins, Thomas L.....	Hemingford.....	Potmesil Brothers Canal.....	Irrig.	.28	25	29	48	Dawes.....	Jan.	2	1912	.....	1152
Niobrara River.....	Bourett, John.....	Harrison.....	J. Bourett Canal No. 1.....	Irrig.	.11	29	30	56	Sioux.....	Mar.	25	1912	.....	1188
Niobrara River.....	Wells, Harry E.....	Butte.....	Wells Pump.....	Irrig.	1.64	32	32	40	Sheridan.....	May	2	1912	.....	1193
Niobrara River.....	Bourett, John.....	Harrison.....	J. Bourett Canal No. 2.....	Irrig.	.21	29	32	56	Sioux.....	July	19	1912	.....	1209
Niobrara River.....	Davison, F. B. and C. T.....	Hemingford.....	Mettlen Canal.....	Irrig.	.75	4	28	54	Sioux.....	Dec.	18	1912	.....	1248
Niobrara River.....	Davison, F. B. and C. T.....	Hemingford.....	Bennett Canal.....	Irrig.	3.45	1	28	54	Sioux.....	Dec.	18	1912	.....	1249
Niobrara River.....	Bushnell, Esther N.....	Marsland.....	Geo. Hitshew Canal.....	Irrig.	6.00	6	28	52	Box Butte.....	Feb.	17	1913	.....	1260
Niobrara River.....	Coffee Cattle Co.....	Chadron.....	Coffee Canal No. 3.....	Irrig.	2.50	15	29	56	Sioux.....	Mar.	24	1914	.....	1362

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR-TED	S T R			County	Mo.	D			Yr.
Niobrara River.....	U. S. Forest Reserve.....	Nenzel.....	Morton Nursery Canal.....	Irrig.	.50	30	33	32	Cherry.....	June	15	1907	.....	1488
Niobrara River.....	Davison, Fred B.....	Marsland.....	Davison Canal.....	Irrig.	.21	12	28	54	Sioux.....	Apr.	27	1922	.....	1662
Niobrara River.....	Northern Nebraska Power Co.....	Spencer.....	Northern Nebraska Plant No. 1.....	Power	1450.00	30	33	11	Boyd.....	Oct.	30	1923	.....	1725
Niobrara River.....	Northern Nebraska Power Co.....	Spencer.....	Northern Nebraska Plant No. 1.....	Rs. dam	A-1725	30	33	11	Boyd.....	Aug.	20	1925	.....	1777
Niobrara River.....	Northern Nebraska Power Co.....	Spencer.....	North Nebraska Plant No. 1.....	Rs. dam	A-1725	30	33	11	Boyd.....	Aug.	29	1927	.....	1955
Niobrara River.....	Bradstreet, W. D.....	Spencer.....	Verdigris Power Plant.....	Power		32	32	7	Knox.....	Dec.	30	1930	.....	2183*
Niobrara River.....	Griffith, Harry B.....	Omaha.....	Bristow Power Plant.....	Power		6	32	10	Boyd.....	June	10	1931	.....	2209*
Niobrara River.....	Sandoz, Geo. E.....	Marsland.....	Mettlen Canal Enlargement.....	Irrig.	1.14	4	28	54	Sioux.....	Oct.	13	1931	.....	2244
Niobrara River.....	Kay, D. L.....	Marsland.....	Kay Canal No. 2.....	Irrig.	.43	9	28	53	Sioux.....	Oct.	15	1931	.....	2245
Niobrara River.....	Lewis, W. H.....	Chicago.....	Bristow Power Plant.....	Power		6	32	10	Boyd.....	Nov.	3	1931	.....	2247*
Niobrara River.....	Kay, D. L.....	Marsland.....	Kay Canal.....	Irrig.	3.14	1	28	54	Sioux.....	Nov.	18	1931	.....	2250
Niobrara River.....	Hughes, John R.....	Marsland.....	Hughes Canal.....	Irrig.	1.92	10	28	52	Box Butte.....	Mar.	28	1932	.....	2264
Niobrara River.....	Montague, James, Estate of.....	Dunlap.....	Montague Canal.....	Irrig.	1.76	28	29	48	Dawes.....	Mar.	31	1932	.....	2266
Niobrara River.....	Harris, Frank, et al.....	Marsland.....	Harris-Neece Canal Enlargement.....	Irrig.	7.27	3	28	55	Sioux.....	July	11	1932	.....	2275
Niobrara River.....	Nellis, Claud.....	Monowi.....	Nellis Pump.....	Irrig.	.09	2	32	9	Boyd.....	Apr.	24	1933	.....	2319
Niobrara River.....	Wirth, Joseph F.....	Verdel.....	Wirth Pump.....	Irrig.		22	32	8	Knox.....	June	12	1934	.....	2407
Pine Creek.....	Colclessler, Lewis.....	Rushville.....	Pine Creek Mills.....	Power	32.00	33	30	44	Sheridan.....	June	5	1893	415	.....

*Application pending.

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

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SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR TED	S	T	R	County	Mo.	D			Yr.
Plum Creek.....	Plum Creek Irr. 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.....	Interstate Power Co.....	Dubuque, Ia.....	Plum Creek Plant.....	Power	150.00	29	32	32	Brown.....	May	15	1909	.....	947
Pole Creek.....	Julian and Wells.....	Gordon.....	Pole Creek Canal.....	Irrig.	.57	28	32	40	Cherry.....	June	29	1905	.....	799
Prouty Springs...	Prouty, H. S.....	Spencer.....	Prouty Canal.....	Irrig.	1.44	5	32	11	Holt.....	June	1	1934	.....	2393
Rickman Creek...	Byington, Lola.....	Riverview.....	Byington Canal.....	Irrig.	1.00	22	32	20	Keya Paha.....	May	19	1891	582	.....
Rock Creek.....	Eastlick, B. J.....	Carns.....	Necessity Canal.....	Irrig.	.35	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 Creek.....	Wicker, Pearl D.....	Springview.....	Wicker.....	Irrig.		24	33	22	Keya Paha.....	July	25	1934	.....	2443
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
Shobe Branch.....	Lamb, A. J.....	Spencer.....	Lamb Canal.....	Irrig.	.14	30	33	11	Holt.....	July	6	1896	.....	322
Snake River.....	Western, Water Power and Irr. Co.....	Scottsbluff.....	Snake River Plant No. 1	Power		9	31	30	Cherry.....	Jan.	16	1929	.....	2062*
Snider Creek.....	Pickler, W. S.....	Springview.....	Old Canal.....	Irrig.	.01	31	33	19	Keya Paha.....	May	1	1894	607	.....

REPORT OF STATE ENGINEER

*Application pending.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.		
						S	T	R	County	Mo.	D			Yr.	
Spring Creek.....	Kuskie, A. K.....	Sparks.....	Garden Canal.....	Irrig.	.86	27	34	25	Cherry.....	Mar.	30	1900	.....	555
Spring Creek.....	Baker, H. H.....	Mills.....	Horse Shoe Lake Reservoir.....	Fish	†14	AF	4	34	18	Keya Paha.....	May	10	1934	2380
Stream, No Name	Grant, C. G.....	Long Pine.....	Grant Canal.....	Irrig.	.14	4	31	20	Rock.....	Jan.	1	1895	400	.....
Stream, No Name	Conger, C. K.....	Norden.....	Conger Canal.....	Irrig.	.11	5	33	24	Keya Paha.....	Sept.	16	1895	.....	158
Turkey Creek.....	LaRue, Chas.....	Norden.....	Turkey Creek Canal No. 1.....	Irrig.	.43	35	33	23	Keya Paha.....	Feb.	9	1900	.....	539
Turkey Creek.....	LaRue, Chas.....	Norden.....	Turkey Creek Canal No. 2.....	Irrig.	2.00	35	33	23	Keya Paha.....	May	11	1904	.....	754
Turkey Creek.....	Stuart, Wayne.....	Springview.....	Stuart Canal.....	Irrig.	.03	23	33	23	Keya Paha.....	June	14	1934	.....	2408
Turkey Creek.....	Haun, Cecil.....	Springview.....	Logan Dam.....	Irrig.		23	33	23	Keya Paha.....	Aug.	7	1934	.....	2457
Turkey Creek.....	Bates, Harry M.....	Meadville.....	Prime Rose Canal.....	Irrig.		36	33	23	Keya Paha.....	Oct.	29	1934	.....	2489
Verdigris Creek.....	Hanson, J. W.....	Emmettburg, Ia.....	Drayton Canal.....	Irrig.	2.86	8	28	8	Antelope.....	Aug.	11	1894	248	.....
Whistle Creek.....	Harris, Frank.....	Marsland.....	Home Canal.....	Irrig.	.86	13	28	54	Sioux.....	June	6	1895	.....	65
Whistle Creek.....	Davison, Ella.....	Marsland.....	Whistle Creek Canal.....	Irrig.	1.00	12	28	54	Sioux.....	June	28	1895	.....	58
Wrede Springs.....	Wrede, John.....	Red Bird.....	Wrede Canal.....	Irrig.		8	32	10	Holt.....	July	28	1934	.....	2449
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

†Acres feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR ^T ED	LOCATION OF HEADGATE			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	1888	459	.....
Ash Creek.....	Cripps, Fred W.....	Whitney.....	Cripps Canal.....	Irrig.	1.14	13	32	51	Dawes.....	Dec.	26	1903	.....	735
Ash Creek.....	Howard, W. C.....	Whitney.....	Cripps Canal.....	Irrig.	.57	13	32	51	Dawes.....	Aug.	27	1906	.....	835
Ash Creek.....	Cripps, Fred W.....	Whitney.....	Cripps Reservoir.....	Storage	† 75AF	12	32	51	Dawes.....	Sept.	28	1934	.....	2481
Ash Creek, East Branch.....	Tomlin Estate, H. B. C. A. Minnick, Administrator.....	Crawford.....	Ox Yoke Canal.....	Irrig.	1.40	29	32	50	Dawes.....	May	31	1880	447	.....
Ash Creek, East Branch.....	Ivins, Myrtle L., Stumph, John E.....	Crawford..... Whitney.....	Stumph Canal.....	Irrig.	1.00	32	32	50	Dawes.....	May	31	1880	447-R	.....
Ash Creek, East Branch.....	Stumph, John E., Gorr, L. A.....	Whitney.....	Barron Canal.....	Irrig.	1.14	32	32	50	Dawes.....	July	1	1888	438-R	.....
Ash Creek, East Branch.....	Stumph, John E.....	Whitney.....	Stumph Canal.....	Irrig.	.20	32	32	50	Dawes.....	Sept.	5	1892	1023½	.....
Ash Creek, East Branch.....	Ivins, Orville R.....	Crawford.....	Sheldon Canal.....	Irrig.	1.43	30	32	50	Dawes.....	Jan.	26	1899	.....	493
Ash Creek, East Branch.....	Vetter, Andrew.....	Crawford.....	Todd Canal.....	Irrig.	.38	5	31	50	Dawes.....	Sept.	12	1899	.....	520
Ash Creek, East Branch and Indian Cr.....	Norman, Harry.....	Whitney.....	Norman Reservoir.....	Storage	†1552 AF	7	32	50	Dawes.....	Aug.	22	1927	.....	1953
Ash Creek, East Branch.....	Gorr, L. A.....	Whitney.....	Barron Canal.....	Irrig.	.89	32	32	50	Dawes.....	Aug.	15	1928	.....	2024

†Acre feet per annum.
"R" Denotes relocation.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Ash Creek, East Branch.....	Thomas, Olive S.....	Whitney.....	Thomas Canal.....	Irrig.	1.00	19	32	50	Dawes.....	Dec.	17	1928	.....	2057
Ash Creek, East Branch.....	Seegrist, Cloid.....	Whitney.....	Seegrist Power Plant.....	Power	3.00	8	31	50	Dawes.....	May	20	1930	.....	2140
(Reservoir A-1953)	Norman, Harry.....	Whitney.....	Harry Canal.....	Irrig.	10.06	8	32	50	Dawes.....	Dec.	4	1930	.....	2179
Ash Creek, East Branch.....	Stumph, John E.....	Whitney.....	Ox Yoke-Stumph Canal	Irrig.		31	32	50	Dawes.....	June	6	1931	.....	2205*
Ash Creek, West Branch.....	Vetter, Andrew.....	Crawford.....	Mace Canal.....	Irrig.	1.00	2	31	51	Dawes.....	July	31	1884	428	.....
Ash Creek, West Branch.....	Ivins, Orville R., et al.	Crawford.....	West Ash Creek Canal	Irrig.	1.62	36	32	51	Dawes.....	July	4	1893	452	.....
Ash Creek, West Branch.....	Ivins, Orville R.....	Crawford.....	Woodward Canal.....	Irrig	.57	36	32	51	Dawes.....	Feb.	3	1898	.....	434-R
Beaver Creek.....	Braddock, Mrs. William	Chadron.....	Braddock Canal.....	Irrig.	.36	18	34	46	Dawes.....	Apr.	15	1895	423	.....
Beaver Creek.....	Braddock, J. F.....	Chadron.....	J. F. Braddock Canal.....	Irrig.	.04	1	34	47	Dawes.....	Apr.	15	1895	974	.....
Beaver Creek.....	Braddock, Mrs. William	Chadron.....	Wm. Lockler Canal.....	Irrig.	1.83	34	35	47	Dawes.....	Sept.	15	1892	1017	.....
Beaver Creek.....	Braddock, J. F.....	Chadron.....	J. F. Braddock Canal.....	Irrig.	.63	1	34	47	Dawes.....	Nov.	24	1897	.....	463
Beaver Creek.....	U. R. Land and Cattle Co.....	Chadron.....	Cilek Canal.....	Irrig.	.36	4	33	46	Sheridan.....	June	19	1899	.....	513
Beaver Creek.....	Cavins, J. A.....	Chadron.....	Rickman Canal.....	Irrig.	1.00	9	33	46	Sheridan.....	July	2	1902	.....	681
Beaver Creek.....	Braddock, Julia A. Trustee.....	Chadron.....	Braddock Canal En- largement.....	Irrig.	.39	18	34	46	Sheridan.....	Sept.	19	1928	.....	2033
Beaver Creek.....	Braddock, Julia A. Trustee.....	Chadron.....	Lockler Canal.....	Irrig.	.49	34	35	47	Dawes.....	Sept.	19	1928	.....	2034

*Application pending.
"R" Denotes relocation.

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

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SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.		
						S	T	R	County	Mo.	D			Yr.	
Bordeaux, Big.....	Locket, T. E.....	Chadron	Locket Canal.....	Irrig.	.07	11	32	48	Dawes.....	June	30	1886	494	.....
Bordeaux, Big.....	Naylor, Charles.....	Chadron	Mann Canal.....	Irrig.	.23	25	33	48	Dawes.....	Dec.	31	1892	975	.....
Bordeaux, Big.....	Adams, S. L.....	Chadron	Adams Canal.....	Irrig.	.14	2	32	48	Dawes.....	Mar.	5	1893	450	.....
Bordeaux, Big.....	County of Dawes.....	Chadron	Dawes County Canal.....	Irrig.	.14	23	33	48	Dawes.....	July	31	1893	983	.....
Bordeaux, Big.....	O'Donnell, Pat.....	Chadron	O'Donnell Canal.....	Irrig.	.14	9	34	48	Dawes.....	Jan.	17	1898	.....	432
Bordeaux, Big.....	Meyer, Henry J.....	Albion	Collins Reservoir.....	Irrig.	.31	14	32	48	Dawes.....	Feb.	27	1905	.....	780
Bordeaux, Big.....	Thomas Brothers.....	Chadron	Thomas Canal.....	Irrig.	2.13	34	34	48	Dawes.....	Sept.	12	1924	.....	1748
Bordeaux, Big.....	O'Donnell, Pat.....	Chadron	O'Donnell Canal En- largement.....	Irrig.	.63	9	34	48	Dawes.....	Sept.	22	1928	.....	2036
Bordeaux, Big.....	Kelso, S. M.....	Chadron	Belle Isle Reservoir.....	Storage	†15A	F	23	33	48	Dawes.....	June	13	1930	2144
Bordeaux, Big.....	Kelso, S. M.....	Chadron	Kelso Pump.....	Irrig.	.10	14	33	48	Dawes.....	July	24	1930	.....	2151
Bordeaux, Big.....	Nelson, P. B.....	Chadron	Kelso Canal Enlarge- ment.....	Irrig.	.14	14	33	48	Dawes.....	Aug.	11	1932	.....	2279
Bordeaux, Big.....	Bass, Verner.....	Chadron	Kelso Canal Enlarge- ment.....	Irrig.	.03	14	33	48	Dawes.....	July	7	1933	.....	2328
Bordeaux, Big.....	Peterson, Margaret J.....	Chadron	Peterson Pump.....	Irrig.	.05	25	33	48	Dawes.....	May	31	1934	.....	2392
Bordeaux, Big.....	Gochnauer, Chris. H.....	Chadron	Gochnauer Canal.....	Irrig.	.17	10	33	48	Dawes.....	July	11	1934	.....	2420
Bordeaux, Big.....	Bass, Verner.....	Chadron	Kelso Canal Enlarge- ment No. 2.....	Irrig.		14	33	48	Dawes.....	Aug.	6	1934	.....	2456
Bordeaux, Little.....	Schmidt, Elwin.....	Chadron	Hartzell Canal.....	Irrig.	.57	13	33	48	Dawes.....	June	1	1893	448	.....
Bordeaux, Little.....	Whitsel, Mrs. Sarah.....	Chadron	Butler Canal.....	Irrig.	.11	33	33	47	Dawes.....	June	1	1894	443	.....
Bordeaux, Little.....	Frady, C. H.....	Chadron	Frady Canal.....	Irrig.		30	33	47	Dawes.....	.....	.....	.....	1009*	.....
Bordeaux, Little.....	Preb'le, Howard A.....	Chadron	Preble Pump.....	Irrig.	.02	4	32	47	Dawes.....	July	28	1933	.....	2339
Chadron Creek.....	City of Chadron.....	Chadron	Chadron Water Wks.....	W. S.	1.00	18	32	48	Dawes.....	Dec.	31	1888	1022	.....
Chadron Creek.....	Gorr, James.....	Chadron	Gallup Canal.....	Irrig.	.08	15	33	49	Dawes.....	Dec.	20	1890	426	.....

*Claim not adjudicated.

†Acre feet per annum.

REPORT OF STATE ENGINEER

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Chadron Creek.....	Wilson, H. M.....	Chadron.....	Fug Wilson Canal.....	Irrig.	.20	12	32	49	Dawes.....	July	13	1893	453	.....
Chadron Creek.....	City of Chadron.....	Chadron.....	Water Works Enlarge- ment	Storage	4.50	18	32	48	Dawes.....	Apr.	8	1920	.....	1583
Chadron Creek.....	State Park Board.....	Chadron.....	Chadron State Park Lake	Dam	†10AF	31	32	48	Dawes.....	Apr.	17	1928	.....	2307
Cottonwood, Little	Golden, T. F.....	Crawford.....	Thomas Stuart Canal.....	Irrig.	.36	8	32	52	Dawes.....	Dec.	21	1890	425	.....
Cottonwood, Little	Price, J. A. B., and Golden, T. F.....	Crawford.....	Stuart Bros. Canal.....	Irrig.	2.86	18	32	52	Dawes.....	June	10	1895	.....	8
Cottonwood, Little	Abbott, Wm. J.....	Whitman.....	Dunn Canal.....	Irrig.	1.43	9	32	52	Dawes.....	Jan.	14	1902	.....	649
Cottonwood, Little	Erickson, John R.....	Crawford.....	Stuart-Maple Canal.....	Irrig.	.70	3	32	52	Dawes.....	Mar.	10	1902	.....	656
Cottonwood, Little	Kusel, William T.....	Chadron.....	Kusel-Spearman Canal.....	Irrig.	.71	8	32	51	Dawes.....	June	30	1902	.....	677
Cottonwood, Little	Lawrence, Fay.....	Crawford.....	Broadhurst Canal.....	Irrig.	1.03	7	32	51	Dawes.....	Feb.	25	1913	.....	1264
Cottonwood, Little	Dodd and McDowell.....	Crawford.....	Dodd-McDowell Canal.....	Storage	†480AF	13	32	53	Sioux.....	Apr.	15	1913	.....	1276
(Reservoir A-1276)	Dodd, Calvin H.....	Crawford.....	Dodd-McDowell Reservoir	Irrig.	2.00	17	32	52	Dawes.....	Jan.	5	1920	.....	1571
Cottonwood, Little	Simons, Raner.....	Crawford.....	Simons Canal.....	Irrig.	.77	9	32	51	Dawes.....	Feb.	12	1934	.....	2363
Dead Horse Creek	Whitsel, John W.....	Chadron.....	Kemery Canal.....	Irrig.	.01	5	31	49	Dawes.....	Sept.	1	1890	493	.....
Dead Horse Creek	Woodruff, F. B. and E. F.....	Chadron.....	Flag Butte Canal.....	Irrig.	.03	32	32	49	Dawes.....	Apr.	10	1891	427	.....

†Acre feet per annum.

DEPARTMENT OF ROADS AND IRRIGATION

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

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SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.		
						GR [†] TED	S	T	R	County	Mo.			D	Yr.
Dead Horse Creek	Geiser, B. A.	Chadron	Geiser Canal	Irrig.	.15	17	32	49	Dawes	Mar.	18	1902	658		
Dead Horse Creek	White, Chas. M., et al.	Chadron	Slattery Canal	Irrig.	1.29	32	33	49	Dawes	Apr.	6	1904	749		
Dead Horse Creek	White, C. M.	Chadron	Slattery Canal Enlargement	Irrig.	.55	32	33	49	Dawes	June	15	1928	2021		
Dead Horse Creek, Springs, Tributary to	Goff, T. L., Estate of	Chadron	Goff Canal	Irrig.	.14	30	32	49	Dawes	Apr.	2	1891	441		
Dead Horse Creek, Cuff Canyon, Tributary to	Sanders, Warren	Chadron	Sanders Canal	Irrig.	.07	5	31	49	Dawes	Nov.	2	1932	2290		
Deep Creek	Holberg, Dr. Elmer	Crawford	Deep Creek Canal	Irrig.	.06	9	30	53	Sioux	May	1	1887	525		
Deep Creek	Holberg, Elmer	Crawford	Holberg Fish Pond	Fish	†2AF	4	30	53	Sioux	July	19	1933	2334		
Deep Creek	Holberg, Elmer	Crawford	Deep Creek Canal Enlargement	Irrig.	.22	9	30	53	Sioux	July	19	1933	2335		
Dry Canyon	Betson, Wm. A.	Crawford	Betson Canal	Irrig.	1.00	33	32	51	Dawes	Mar.	22	1917	1481		
Dry Draw	Ernest, Geo. A.	Chadron	Geo. Ernest Canal	Irrig.	3.71	22	35	49	Dawes	Feb.	20	1911	1061		
Dry Draw	Glaze, Wm. A., Heath, W. E., Agent	Crawford	Heath Reservoir	Storage	†20AF	12	32	53	Sioux	Feb.	7	1917	1475		
(Reservoir A-1475)	Heath, W. E.	Crawford	Heath Canal	Irrig.	.74	12	32	53	Sioux	July	25	1921	1612		
Dry Run	Campbell, F. J.	Chadron	Campbell Canal	Irrig.	1.00	35	34	49	Dawes	Nov.	9	1908	919		
Dry Run	Guse, Wm.	Whitney	Guse Reservoir	Storage	†300AF	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		

†Acre feet per annum.

REPORT OF STATE ENGINEER

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR	T	R	County	Mo.	D			Yr.
English Creek.....	McDowell, E. C. Estate of.....	Crawford.....	McDowell Storage System	Irrig.	.87	12	31	52	Dawes.....	Oct.	24	1904	.....	772
English Creek.....	McDowell, E. C. Estate of.....	Crawford.....	McDowell Reservoir No. 3	Fish	†5AF	2	31	52	Dawes.....	Jan.	22	1929	.....	2064
			McDowell Reservoir No. 1.....	Fish	†36AF	25	34	52						
Flood Waters.....	Lenehan, Delia.....	Crawford.....	Lenehan Reservoir.....	Storage	†22AF	25	34	52	Dawes.....	Apr.	16	1913	.....	1278
Flood Waters.....	Arner, Jessie B.....	Crawford.....	Arner Canal.....	Irrig.	.14	27	33	53	Sioux.....	May	6	1913	.....	1289
Hooker Creek.....	Bauersach, C.....	Crawford.....	Bauersach Canal.....	Irrig.	.87	7	31	51	Dawes.....	Dec.	31	1889	492	.....
Hooker Creek.....	Scott and Steenburg.....	Aurora.....	Alcorn Canal.....	Irrig.	1.21	31	32	52	Dawes.....	Nov.	17	1905	.....	803
Hooker Creek.....	Souther, Mable G.....	Lincoln.....	Souther Lake.....	F. & I.	1.42	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	.....
(Reservoir A-1822)	Renfro, Oscar S.....	Chadron.....	Seegrist Canal Enlargement No. 1.....	Irrig.	.50	3	31	50	Dawes.....	Nov.	29	1919	.....	1569
Indian Creek.....	Norman, Harry.....	Whitney.....	Norman Canal.....	Irrig.	1.92	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	†530AF	3	31	50	Dawes.....	June	21	1926	.....	1822
(Reservoir A-1822)	Renfro, Oscar S.....	Chadron.....	Seegrist Canal Enlargement No. 2.....	Irrig.	4.89	3	31	50	Dawes.....	June	21	1926	.....	1823
Indian Creek.....	Norman, Elmer D.....	Whitney.....	Norman Canal.....	Irrig.	1.28	16	32	50	Dawes.....	Aug.	18	1927	.....	1952
Indian Creek and East Ash Creek	Norman, Harry.....	Whitney.....	Norman Reservoir.....	Storage	†1552 AF	7	32	50	Dawes.....	Aug.	22	1927	.....	1953

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
(Reservoir A-1953)	Norman, Harry.....	Whitney.....	Harry Canal.....	Irrig.	10.06	8	32	50	Dawes.....	Dec.	4	1930	.....	2179
Indian Creek	Renfro, Oscar S.....	Chadron.....	Flood Canal.....	Irrig.	.10	34	32	50	Dawes.....	July	16	1931	.....	2216
Indian Creek, Tributary to	Honnold Brothers.....	Whitney.....	Honnold-Wilson Canal.....	Irrig.	.07	3	31	50	Dawes.....	May	25	1912	.....	1199
Madden Creek and North Creek	Flannigan, O. R.....	Chadron.....	Dams.....	Irrig.	.57	31	35	48	Dawes.....	Oct.	17	1904	.....	771
Minnepazuta Creek.....	Smoke, Wm. H.....	Chadron.....	Minnepazuta Reservoir.....	Irrig.	.14	19	33	48	Dawes.....	July	21	1930	.....	2149
Rush Creek.....	Braddock, H. T.....	Chadron.....	Braddock Canal.....	Irrig.	3.00	10	34	49	Dawes.....	May	4	1903	.....	706
Sand Creek, Tributary to Cottonwood Creek.....	Everson, George and Arner, Frank E.....	Crawford.....	Bendix Canal.....	Irrig.	.57	35	33	53	Sioux.....	Nov.	19	1895	.....	189
Sand Creek, Trib- utary to Cot- tonwood Creek.	Everson, George and Arner, Frank E.....	Crawford.....	Bendix Canal Enlarge- ment.....	Irrig.	.83	35	33	53	Sioux.....	May	27	1922	.....	1669
Saw Log, East.....	Stewart, H. E.....	Crawford.....	Little Saw Log Canal.....	Irrig.	.71	12	30	52	Dawes.....	Jan.	23	1907	.....	849
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.....	Porter, J. E. and Masters, C. E.....	Crawford.....	Van Treek Canal.....	Irrig.	.37	4	30	51	Dawes.....	May	8	1911	.....	1098

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY		DOC. NO.	APP. NO.	
						GR'TED	County			Mo.	D			Yr.
							S	T	R					
Saxson Draw..... (Reservoir A-1689)	Dodd, Clara A.....	Crawford.....	Harris Reservoir.....	Storage	†35A	F	32	33	52	Dawes.....	Sept.	29	1922	1689
	Dodd, Clara A.....	Crawford.....	Harris Reservoir Canal.	Irrig.	.74		32	33	52	Dawes.....	Mar.	31	1928	1996
Sheridan Creek.....	Getchell, G. C.....	Pine Ridge.....	Getchell Canal.....	Irrig.	.07		27	34	45	Sheridan.....	Aug.	1	1894	418
Soldier Creek.....	Rodgers, J. J.....	Crawford.....	Rodgers Canal.....	Irrig.	.14		5	31	53	Sioux.....	Apr.	30	1883	546
Spring Branch, Tributary to White River (Tucker Creek)	Cutler, Jennie R.....	Glen.....	Tucker Canal.....	Irrig.	.17		34	31	54	Sioux.....	June	1	1883	557
Spring Creek, Tributary to Chadron Creek.	Benthack, Peter L.....	Chadron.....	Benthack Canal.....	Irrig.	4.71		11	33	49	Dawes.....	Sept.	12	1924	1749
Spring Creek, Tributary to Little Cotton- wood Creek.	Swinbank, Sam, et al.....	Crawford.....	Mozeter Canal.....	Irrig.	1.14		13	32	52	Dawes.....	May	3	1888	1014
Spring Creek, Tributary to Little Cotton- wood Creek.....	Kusel, William T.....	Chadron.....	Kusel Canal No. 2.....	Irrig.	.43		8	32	51	Dawes.....	May	19	1900	560
Spring Creek, Tributary to Little Cotton- wood Creek.....	Forbes, J. D.....	Crawford.....	Forbes Canal No. 1.....	Irrig.	.57		20	32	52	Dawes.....	Apr.	28	1902	663

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Spring Creek, Tributary to Little Cottonwood Creek.....	Pinney, R. B.....	Crawford.....	Squaw Creek Canal.....	Irrig.	.40	13	32	52	Dawes.....	May	10	1894	466	.....
Spring Creek, Tributary to Little Cottonwood Creek.....	Lawrence, Fay E.....	Crawford.....	Spring Creek Canal No. 1.....	Irrig.	1.30	13	32	52	Dawes.....	Dec.	1	1894	473	.....
Spring Creek, Tributary to Little Cottonwood Creek.....	Lawrence, Fay E.....	Crawford.....	Spring Creek Canal.....	O. D.		7	32	51	Dawes.....	Apr.	19	1929	473	2078
Squaw Creek.....	Hall, LeRoy and Frank.....	Crawford.....	Cooper Canal.....	Irrig.	2.01	36	32	52	Dawes.....	May	8	1896	.....	333
Squaw Creek.....	McDowell, E. C. Estate.....	Crawford.....	Squaw Creek Reservoir.....	Storage	†200AF	12	31	52	Dawes.....	Oct.	3	1911	.....	1132
(Reservoir A-1132)	McDowell, E. C. Estate.....	Crawford.....	Squaw Creek Canal.....	Irrig.	2.96	12	31	52	Dawes.....	Jan.	4	1922	.....	1631
Squaw Creek.....	McDowell, Robt. H.....	Crawford.....	Reservoir No. 4.....	Storage	†2AF	12	31	52	Dawes.....	Nov.	12	1931	.....	2249
Trunk Butte Creek.....	Smock, M.....	Whitney.....	Smock Canal.....	Irrig.	.07	26	32	50	Dawes.....	June	28	1895	465	.....
Trunk Butte Creek.....	Chaulk, John J.....	Chadron.....	Chaulk Canal.....	Irrig.	3.00	25	33	50	Dawes.....	Mar.	13	1915	.....	1406
White Clay Creek.....	Tandy, A. N.....	Crawford.....	McFarland Canal.....	Irrig.	1.64	35	32	52	Dawes.....	May	18	1891	960	.....
White Clay Creek (See White River)	White River Irr. Co.....	Crawford.....	White River Canal.....	Irrig.	1.00	34	32	52	Dawes.....	Dec.	31	1894	477	.....
White Clay Creek.....	Hall, LeRoy and Frank.....	Crawford.....	Cooper Canal.....	Irrig.	3.71	2	31	52	Dawes.....	June	22	1895	.....	42

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
White Clay Creek	Pine Ridge Agency	Pine Ridge, S. D.	Pine Ridge Canal	Irrig.			35	45	Sheridan				419*	
White Clay Creek	Johnson, A. F.	Crawford	Rinicker Canal	Irrig.	.33	11	31	52	Dawes	June	8	1901		618
White Clay Creek	Moss, J. H.	Crawford	Hutzel Canal	Irrig.	.57	13	31	52	Dawes	Apr.	30	1903		704
White Clay Creek	Townsend, Chas.	White Clay	Townsend Canal	Irrig.	.80	25	35	45	Sheridan	Jan.	21	1911		1054
White Clay Creek	Johnson, A. F.	Crawford	Handschugel Lake	Storage	†22AF	11	31	52	Dawes	Dec.	17	1915		1441
White Clay Creek	McDowell, Edw. C.	Crawford	McDowell Reservoir No. 1	Fish	†24AF	2	31	52	Dawes	Jan.	22	1929		2063
White Clay Creek	North, A. C.	Rushville	North Pump	Irrig.	.38	36	35	45	Sheridan	Mar.	26	1934		2369
White Clay Creek, east Branch	Stewart, H. E.	Crawford	Little Saw Log Canal	Irrig.	.71	12	30	52	Dawes	Jan.	23	1907		849
White River	Rabin, P. L.	Crawford	Hall's 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	Dawes	Oct.	1	1890	1026	
White River	Pinney, B. G., et al.	Crawford	Harris-Cooper Canal	Irrig.	16.78	34	32	52	Dawes	Mar.	9	1894	464a	
White River	Pinney, B. G., et al.	Crawford	Harris-Cooper Canal	Irrig.	1.57	34	32	52	Dawes	June	15	1894	464b	
White River	Pinney, B. G., et al.	Crawford	Harris-Cooper Canal	Irrig.	.28	34	32	52	Dawes	Oct.	31	1894	464c	
White River	Forbes, Wm. T.	Crawford	Rasher Canal	Irrig.	1.14	19	32	51	Dawes	June	20	1894	467	
White River (See White Clay Creek)	White River Irrigation Co.	Crawford	White River Canal	Irrig.	8.71	34	32	52	Dawes	Dec.	31	1894	477	
White River	Hall Ditch Co.	Crawford	Hall Canal No. 2	Irrig.	12.60	34	32	52	Dawes	Jan.	10	1895	478c	
White River	C. B. & Q. R. R. Co.	Lincoln	C. B. & Q. Line at Crawford	Dom.	.80	3	31	52	Dawes	Sept.	14	1889	1030	
White River	Bartlett, A. M.	Chadron	Jones Canal	Irrig.	.71	18	34	48	Dawes	May	21	1897		391
White River	Forbes, Jeanette, et al.	Crawford	Rasher Canal	Irrig.	.50	19	32	51	Dawes	May	23	1898		456

*Claim not adjudicated.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
White River.....	Forbes, Wm. T.....	Crawford.....	Rasher Canal.....	Irrig.	1.36	19	32	51	Dawes.....	Jan.	16	1900	.....	534
White River.....	Schwabe, August.....	Chadron.....	Schwabe Canal.....	Irrig.	.57	24	34	49	Dawes.....	June	13	1904	.....	758
White River.....	Schwabe, August.....	Chadron.....	Schwabe Power Plant.....	Power	5.00	24	34	49	Dawes.....	June	13	1904	.....	759
White River.....	Schwabe, August.....	Chadron.....	Schwabe Canal.....	Irrig.	.29	24	34	49	Dawes.....	Mar.	19	1906	.....	815
White River.....	White River Irr. Co.....	Crawford.....	White River Canal South Branch.....	Irrig.	2.57	25	32	52	Dawes.....	Mar.	11	1909	.....	936
White River.....	Schwabe, August.....	Chadron.....	Schwabe Canal.....	Irrig.	3.43	31	34	48	Dawes.....	July	23	1908	.....	908
White River.....	Pinney and Denslow.....	Crawford.....	Pinney and Denslow Reservoir No. 2.....	Storage	†453AF	17	32	51	Dawes.....	Aug.	10	1911	.....	1122
White River.....	Forbes, Wm. T.....	Crawford.....	Forbes Enlargement.....	Irrig.	.50	19	32	51	Dawes.....	Sept.	26	1911	.....	1128
White River.....	Whitney Irr. Dist.....	Whitney.....	Whitney Reservoir and Pipe Line.....	Storage	†10,000 AF	26	32	52	Dawes.....	Apr.	28	1921	.....	1603
White River.....	Norman, Wm.....	Whitney.....	Whitney Pipe Line.....	Irrig.	3.60	26	32	52	Dawes.....	May	2	1921	.....	1604
White River.....	Whitney Irr. Dist.....	Whitney.....	Whitney Pipe Line.....	Irrig.	25.00	26	32	52	Dawes.....	Nov.	7	1921	.....	1625
White River.....	Simons, Raynor.....	Whitney.....	Raynor Simons Canal.....	Irrig.	2.07	4	32	51	Dawes.....	Nov.	18	1921	.....	1626
White River.....	Norman, Wm.....	Whitney.....	Whitney Pipe Line.....	Irrig.	.41	26	32	52	Dawes.....	Apr.	26	1922	.....	1660
(Reservoir A-1603)	Whitney Irr. Dist.....	Whitney.....	Whitney Pipe Line.....	Irrig.	139.00	4	32	51	Dawes.....	Dec.	7	1925	.....	1787
						34	33	51						
						35	33	51						
White River.....	Northwest Financial Service.....	Chadron.....	Hageman Canal.....	Irrig.	1.14	26	33	50	Dawes.....	Oct.	18	1928	.....	2046
White River.....	City of Crawford.....	Crawford.....	Crawford Park Pump.....	Irrig.	.57	3	31	52	Dawes.....	Mar.	12	1929	.....	2075
White River.....	Bartlett, Alfred F.....	Chadron.....	Bartlett Canal.....	Irrig.	.30	19	34	48	Dawes.....	Sept.	8	1932	.....	2285
White River.....	Mobley, A. L.....	Crawford.....	Mobley Pump.....	Irrig.	.05	3	31	52	Dawes.....	May	10	1934	.....	2381
(Reservoir A-1122)	Pinney, Ralph B.....	Crawford.....	Pinney Reservoir Canal No. 2.....	Irrig.		17	32	51	Dawes.....	Nov.	9	1934	.....	2493*

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR'TED	S	T	R	County	Mo.	D			Yr.
Antelope Creek.....	Gayhart, M. J.....	Montrose.....	Gayhart Canal.....	Irrig.	2.43	16	34	55	Sioux.....	June	18	1904	.....	760
Antelope Creek, North Branch.....	Story, O. W.....	Story.....	Story Canal.....	Irrig.	2.00	8	34	56	Sioux.....	Nov.	11	1895	.....	168
Antelope Creek, North Branch.....	Story, O. W.....	Story.....	Story Canal.....	Irrig.	5.71	9	34	56	Sioux.....	Mar.	26	1918	.....	1509
Antelope Creek, North Branch.....	Schnurr, Albert.....	Harrison.....	Grammercy Dam.....	Storage	†10AF	13	34	57	Sioux.....	Sept.	24	1920	.....	1591
Antelope Creek, South Branch.....	Turner, Sarah A. Estate of.....	Harrison.....	Turner Canal.....	Irrig.	.86	26	34	57	Sioux.....	Oct.	31	1894	537	1676"S"
Antelope Creek, South Branch.....	Dryer, F. W.....	Harrison.....	Ellis Canal.....	Irrig.	.29	9	33	57	Sioux.....	May	17	1896	.....	338
Antelope Creek, South Branch.....	Turner, Sarah A. Estate of.....	Harrison.....	Turner Reservoir.....	Storage	†166AF	26	34	57	Sioux.....	July	3	1922	.....	1675
(Reservoir A-1675)	Turner, Sarah A. Estate of.....	Harrison.....	Turner Reservoir Canal	Supple. D-537		26	34	57	Sioux.....	July	3	1922	.....	1676
(Reservoir A-1675)	Turner, Sarah A. Estate of.....	Harrison.....	Turner Reservoir Canal	Irrig.	1.68	26	34	57	Sioux.....	July	3	1922	.....	1677
Boggy Creek.....	Holly, Thos.....	Crawford.....	Holly Canal.....	Irrig.	.11	30	33	54	Sioux.....	Dec.	31	1888	956	.....

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.		
						GR	TED	S	T	R	County	Mo.			D	Yr.
Boggy Creek.....	Smith, J. W.....	Harrison.....	Smith Canal.....	Irrig.	.28	31	33	54	Sioux.....	May	1	1892	526	.....	
Boggy Creek.....	Wickersham-Readinger Cattle Co.....	Harrison.....	Wickersham Canal.....	Irrig.	3.00	31	33	54	Sioux.....	Feb.	28	1903	.....	701	
Boggy Creek.....	Wickersham-Readinger Cattle Co.....	Harrison.....	Wickersham Reservoir.....	Storage	†1500	30	33	54	Sioux.....	Dec.	24	1930	.....	2182	
(Reservoir A-2182)	Wickersham-Readinger Cattle Co.....	Harrison.....	Wickersham Reservoir Canal.....	Irrig.	2.30	30	33	54	Sioux.....	May	15	1931	.....	2203	
Boggy Creek.....	Wickersham-Readinger Cattle Co.....	Harrison.....	Wickersham Canal Enlargement.....	Irrig.	.96	31	33	54	Sioux.....	May	15	1931	.....	2204	
Boggy Creek, Middle Branch.....	Bannon, J. F.....	Harrison.....	Bannon Canal.....	Irrig.	.06	7	32	54	Sioux.....	July	1	1896	560	.....	
Boggy Creek, Middle Branch.....	Marten, Wm.....	Harrison.....	Marten Canal.....	Irrig.	.36	18	32	54	Sioux.....	May	19	1896	.....	342	
Boggy Creek, Middle Branch.....	Hill, Albert F.....	Harrison.....	Hill Canal.....	Irrig.	.86	11	32	55	Sioux.....	Jan.	20	1908	.....	886	
Cedar Creek, (Prairie Dog Creek)	Parsons, Con.....	Van Tassel, Wyo.....	Shilts Cedar Creek Canal.....	Irrig. O. D.	.57	35	33	56	Sioux.....	May	15	1885	507	.....	
Cedar Creek.....	Valdez, M.....	Harrison.....	Valdez Canal.....	Irrig.	.50	10	32	56	Sioux.....	Apr.	5	1886	976	.....	
Cedar Creek.....	Plunkett, John.....	Harrison.....	Plunkett Canal.....	Irrig.		4	32	56	Sioux.....	.....	.....	.....	985*	.....	

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR [†] TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Cherry Creek.....	Ruffling, M.....	Harrison.....	Cherry Creek Canal.....	Irrig.	.03	29	33	54	Sioux.....	May	1	1893	549	.....
Dry Gulch.....	Child, L. M.....	Story.....	Child Canal.....	Irrig.	.57	28	34	56	Sioux.....	Aug.	14	1914	.....	1376
Gieke Creek.....	Gieke, August.....	Harrison.....	Gieke Canal.....	Irrig.	.43	19	33	56	Sioux.....	Nov.	4	1927	.....	1967
Hat Creek.....	Thayer, Millard A.....	Harrison.....	West Hat Creek Canal.....	Irrig.	.43	16	32	55	Sioux.....	June	1	1880	553a	.....
Hat Creek.....	Coffee, Charles F.....	Harrison.....	Coffee Canal.....	Irrig.	4.29	26	33	55	Sioux.....	Sept.	1	1881	512	.....
Hat Creek.....	Thayer, Millard A.....	Harrison.....	West Hat Creek Canal.....	Irrig.	.57	16	32	55	Sioux.....	May	31	1886	553b	.....
Hat Creek.....	Coffee, J. T., et al.....	Harrison.....	Miller Canal.....	Irrig.	.37	23	33	55	Sioux.....	May	19	1896	.....	341
Hat Creek.....	Lyon, E. B.....	Harrison.....	Antrim Canal.....	Irrig.	.57	3	32	55	Sioux.....	Dec.	24	1900	.....	594
Hat Creek.....	Lyon, E. B.....	Harrison.....	Antrim Canal.....	Irrig.	.57	3	32	55	Sioux.....	Aug.	20	1906	.....	834
Hat Creek.....	Coffee, John T.....	Harrison.....	Coffee and Son Flood Canal.....	Irrig.	5.36	14	33	55	Sioux.....	Oct.	22	1912	.....	1236
Hat Creek.....	Zerbe, Harry T.....	Harrison.....	Zerbe Reservoir.....	Storage	†68A	35	33	55	Sioux.....	Mar.	25	1915	.....	1407
Hat Creek.....	Wasserburger, Jacob.....	Montrose.....	Wasserburger Project.....	Dom.		24	34	55	Sioux.....	May	2	1932	.....	2268*
Hat Creek.....	Konrath, Theresa.....	Harrison.....	Konrath Project.....	Dom.		25	34	55	Sioux.....					
Hat Creek, Canyons, Tributary to.....	Konrath, James.....	Harrison.....	Konrath Canal.....	Irrig.	1.43	17	34	54	Sioux.....	May	2	1932	.....	2269*
Hat Creek, Canyons, Tributary to.....	Konrath, James.....	Harrison.....	Konrath Canal.....	Irrig.	1.43	17	34	54	Sioux.....	Dec.	28	1905	.....	808
Jim Creek.....	Dout, Clarence H.....	Montrose.....	Dout Brothers Canal.....	Irrig.	.65	7	33	56	Sioux.....	May	15	1889	981	.....
Jim Creek.....	Slattery, William.....	Harrison.....	Woodruff South Canal.....	Irrig.	.34	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	.....

*Application pending.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.		
						GR'TED	S	T	R	County	Mo.			D	Yr.
Jim Creek.....	Slattery, William.....	Harrison.....	Slattery Canal.....	Irrig.	.20	13	33	57	Sioux.....	May	31	1891	543	.....
(Reservoir A-1680)	Slattery, William.....	Harrison.....	Slattery Canal.....	Supple	.20	13	33	57	Sioux.....	.....	.....	.....	543	1683-S
Jim Creek.....	Coffee, John T.....	Harrison.....	Hunter Canal.....	Irrig.	.03	26	33	54	Sioux.....	May	12	1898	.....	451
Jim Creek.....	Slattery, William.....	Harrison.....	Caladonia Dam.....	Storage	†42AF	13	33	57	Sioux.....	July	20	1922	.....	1680
(Reservoir A-1680)	Slattery, William.....	Harrison.....	Caladonia Canal.....	Irrig.	.28	13	33	57	Sioux.....	July	20	1922	.....	1681
Jim Creek.....	Slattery, William.....	Harrison.....	High Line Canal.....	Irrig.	.34	13	33	57	Sioux.....	July	20	1922	.....	1682
(Reservoir A-1680)	Slattery, William.....	Harrison.....	Caladonia Canal.....	Irrig.	.24	13	33	57	Sioux.....	July	20	1922	.....	1683
Jim Creek, and North Jim Creek.....	Dout, Clarence.....	Harrison.....	Dout Reservoir No. 1.....	Storage	†145AF	7	33	56	Sioux.....	Apr.	2	1928	.....	1999
(Reservoir A-1999)	Dout, Clarence.....	Harrison.....	Dout Canal No. 1.....	Irrig.	1.39	7	33	56	Sioux.....	Apr.	2	1928	.....	2000
Jim Creek.....	Dout, Clarence.....	Harrison.....	Dout Reservoir No. 2.....	Storage	†16AF	7	33	56	Sioux.....	Apr.	2	1928	.....	2001
(Reservoir A-2001)	Dout, Clarence.....	Harrison.....	Dout Canal No. 2.....	Irrig.	.21	7	33	56	Sioux.....	Apr.	2	1928	.....	2002
Jim Creek, East Fork.....	Wasserburger, J.....	Montrose.....	Wasserburger Canal.....	Irrig.	2.29	29	34	54	Sioux.....	Oct.	13	1900	.....	581
Jim Creek, Stream, Tributary to.....	Coffee, S. D.....	Harrison.....	Homestead Canal.....	Irrig.	.22	22	33	54	Sioux.....	May	31	1890	984	.....
Jordan Draw.....	Jordan, Dan.....	Harrison.....	Dan Jordan Reservoir.....	Storage	†200AF	32	33	55	Sioux.....	Feb.	20	1929	.....	2071
(Reservoir A-2071)	Jordan, Dan.....	Harrison.....	Dan Jordan Canal.....	Irrig.	1.70	32	33	55	Sioux.....	Feb.	20	1929	.....	2072
Lickett Creek.....	Coffee, S. B.....	Chadron.....	Lickett Canal.....	Irrig.	.....	27	33	54	Sioux.....	.....	.....	.....	1005*	.....

*Claim not adjudicated.
†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.		
						GR ^T ED	S	T	R	County	Mo.			D	Yr.
Lickett Creek.....	Coffee, S. B.....	Chadron.....	Lickett Canal.....	Irrig.	1.43	27	33	54	Sioux.....	Mar.	21	1900	.....	549
Little Red Creek.....	Plunkett, Thomas.....	Harrison.....	Zerbst Canal.....	Irrig.	.14	25	33	56	Sioux.....	May	1	1893	551	.....
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
Monroe Creek.....	Parsons, Con.....	Van Tassel, Wyo.....	Big Monroe Canal.....	Irrig.	1.43	33	33	56	Sioux.....	May	1	1888	506	.....
Monroe Creek.....	Parsons, Con.....	Van Tassel, Wyo.....	Schilts-Monroe Canal.....	Irrig.	.50	27	33	56	Sioux.....	July	2	1888	509	.....
Monroe Creek.....	Holz, Ferdinand.....	Harrison.....	Noreisch Canal.....	Irrig.	.04	33	33	56	Sioux.....	July	19	1895	.....	83
Monroe Creek.....	Jordan, Cornelious.....	Harrison.....	Jordan Canal.....	Irrig.	2.20	13	33	56	Sioux.....	Nov.	12	1906	.....	841
(Reservoir A-841)	Jordan, Cornelious.....	Harrison.....	Jordan Reservoir.....	Storage	†271AF	13	33	56	Sioux.....	Nov.	12	1906	.....	841
Monroe Creek.....	Jordan, Cornelious.....	Harrison.....	Jordan Canal.....	Irrig.	2.00	13	33	56	Sioux.....	July	30	1914	.....	1375
Monroe Creek.....	Jordan, Richard.....	Harrison.....	Wooden Shoe Reservoir.....	Storage	†72AF	22	33	56	Sioux.....	Aug.	14	1914	.....	1377
Monroe Creek.....	Jordan, Cornelious.....	Harrison.....	Enlargement A-841.....	Storage	†600AF	13	33	56	Sioux.....	Jan.	14	1915	.....	1399
(Reservoir A-1399)	Jordan, Cornelious.....	Harrison.....	Kite Canal.....	Supple		13	33	56	Sioux.....	Dec.	26	1916	.....	1469-S
(Reservoir A-1399)	Jordan, Cornelious.....	Harrison.....	Kite Canal.....	Supple		13	33	56	Sioux.....	Dec.	26	1916	.....	1470-S
Monroe Creek.....	Jordan, Richard.....	Harrison.....	Jordan Canal.....	Irrig.	1.67	22	33	56	Sioux.....	Sept.	19	1928	.....	2032

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.		
						GR [†]	T	R	County	Mo.	D			Yr.	
															S	T	R
Monroe Creek.....	Keel, Birdie V.....	Harrison.....	Keel Canal.....	Irrig.	.02	5	32	56	Sioux.....	Aug.	20	1931	.....	2228
Monroe Creek.....	Federle, Max.....	Harrison.....	Monroe Reservoir.....	Resort	†2AF	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
Prairie Dog Creek (Cedar Creek)..	Parsons, Con.....	Van Tassel, Wyo.....	Schilts Prairie Dog Canal	O. D.		35	33	56	Sioux.....	May	31	1886	508	.....
Prairie Dog Creek	Plunkett, Thos.....	Harrison.....	Plunkett Reservoir.....	Storage	†66.5	25	33	56	Sioux.....	Sept.	18	1928	.....	2031
(Reservoir A-2031)	Plunkett, Thos.....	Harrison.....	Plunkett Canal.....	Irrig.	AF	.93	25	33	56	Sioux.....	Feb.	20	1929	2070
Sow Belly Creek...	Schaefer, Nick J.....	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 of	Harrison.....	Jordan Canal.....	Irrig.	.43	21	33	55	Sioux.....	June	1	1895	556	.....
Sow Belly Creek...	Nutto, F.....	Harrison.....	Nutto Canal.....	Irrig.	.43	24	32	56	Sioux.....	Sept.	4	1897	.....	404
Sow Belly Creek...	Jordan, Sarah, Estate of	Harrison.....	Jordan Canal.....	Irrig.	.50	21	33	55	Sioux.....	May	11	1896	.....	424
Sow Belly Creek...	Carroll, M. J.....	Harrison.....	Carroll Canal.....	Irrig.	.14	7	32	55	Sioux.....	July	12	1899	.....	516
Sow Belly Creek...	Zimmerman, Irvin S.....	Harrison.....	Zimmerman Canal.....	Irrig.	.71	34	33	55	Sioux.....	Jan.	11	1900	.....	532
Sow Belly Creek...	Jordan, S.....	Harrison.....	Jordan Canal.....	Irrig.	.14	21	33	55	Sioux.....	May	26	1902	.....	668
Sow Belly Creek...	Barnes, Paul T.....	Harrison.....	Barnes Reservoir.....	Storage	†390AF	19	32	55	Sioux.....	Mar.	24	1913	.....	1268
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, N. J.....	Harrison.....	Schaefer Reservoir No. 1 and No. 2.....	Storage	†87AF	7	32	55	Sioux.....	Feb.	27	1933	.....	2306
(Reservoir A-2306)	Schaefer, N. J.....	Harrison.....	Reservoir Canal No. 1.....	Irrig.	1.06	7	32	55	Sioux.....	Oct.	4	1934	.....	2484
			Reservoir Canal No. 2.....			8	32	55							
Sow Belly Creek, Springs, Trib- utary to	Hall, W. S. and F. M.....	Harrison.....	Hall Spring Canal.....	Irrig.	.57	6	32	55	Sioux.....	Mar.	26	1889	550	.....

†Acre feet per annum.

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR	T	R	County	Mo.	D	Yr.		
Sow Belly Creek, Springs, Tributary to	Schaefer, N. J.	Harrison	Spring Creek Canal	Irrig.	.29	7	32	55	Sioux	June	1	1893	532	.....
Spring Creek (Reservoir A-1954)	Hall, F. M.	Harrison	Crystal Lake	Storage	†80AF	6	32	55	Sioux	Aug.	22	1927	.....	1954
	Hall, F. M.	Harrison	Crystal Lake Reservoir Canal	Irrig.	1.14	6	32	55	Sioux	Sept.	8	1932	.....	2286
Squaw Creek	Dunn, Thos.	Harrison	Dunn Canal	Irrig.	.36	15	33	57	Sioux	June	1	1890	552	.....
Squaw Creek	Thomas, Sam.	Harrison	Hamlin Canal	Irrig.	.01	10	33	57	Sioux	Apr.	1	1891	555	.....
Squaw Creek	Shepherd Cattle Co.	Harrison	Dunn Reservoir Canal	Irrig.	.57	10	33	57	Sioux	Aug.	5	1895	.....	100
Squaw Creek	Shepherd Cattle Co.	Harrison	Dunn Canal	Irrig.	.19	3	33	57	Sioux	Jan.	22	1897	.....	376
Squaw Creek	Thomas, S. M.	Harrison	Thomas Canal	Irrig.	.50	10	33	57	Sioux	July	23	1901	.....	627
Squaw Creek	Shepherd Cattle Co.	Harrison	Shepherd Canal	Irrig.	3.16	36	34	57	Sioux	Oct.	24	1927	.....	1965
Squaw Creek, South Branch	Shepherd Cattle Co.	Harrison	Shepherd Reservoir	Storage	†1446 AF	2	33	57	Sioux	Jan.	29	1931	.....	2189
Warbonnet Creek	Anderson, John A.	Harrison	Warbonnet Canal	Irrig.	3.63	21	33	56	Sioux	July	31	1880	548	.....
Warbonnet Creek	Slattery, Wm.	Harrison	Nolan Canal No. 1	Irrig.	.01	23	33	57	Sioux	Mar.	15	1887	957	.....
Warbonnet Creek	Slattery, Wm.	Harrison	Nolan Canal No. 2	Irrig.	.29	23	33	57	Sioux	May	1	1888	959	.....
Warbonnet Creek	Anderson, John A.	Harrison	Dout Canal	Irrig.	.29	30	33	56	Sioux	Dec.	31	1891	539b	.....
Warbonnet Creek	Anderson, John A.	Harrison	Warbonnet Canal No. 2	Irrig.	1.43	20	33	56	Sioux	Mar.	11	1908	.....	892
Warbonnet Creek	Zerbst, Carl F.	Harrison	Zerbst Canal No. 2	Irrig.	.17	25	33	57	Sioux	Mar.	6	1915	.....	1404

†Acre feet per annum.

DEPARTMENT OF ROADS AND IRRIGATION

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Warbonnet Creek	O'Connell, Mike.....	Montrose.....	O'Connell Canal.....	Irrig.	.35	17	33	55	Sioux.....	June	20	1932	.....	2274
Warbonnet Creek, Branch of.....	Zerbst, Carl F.....	Harrison.....	Zerbst Canal No. 1.....	Irrig.	.03	26	33	57	Sioux.....	Mar.	6	1915	.....	1405
Warbonnet Creek, North Branch.....	Anderson, John A.....	Harrison.....	Dout Canal.....	Irrig.	.71	30	33	56	Sioux.....	May	31	1889	539a	.....
Warbonnet Creek, North Branch.....	Anderson, John A.....	Harrison.....	Kay Canal.....	Irrig.	.14	26	33	57	Sioux.....	May	1	1887	958	.....
Warbonnet Creek, Spring Branch Tributary to.....	Biehle, Chas.....	Harrison.....	Biehle Canal.....	Irrig.	.23	32	33	56	Sioux.....	Apr.	1	1891	538	.....
Warbonnet Creek, Spring Branch, Tributary to.....	Anderson, John A.....	Harrison.....	Garton Canal.....	Irrig.	1.43	31	33	56	Sioux.....	Oct.	16	1893	503	.....
White Head Creek, Spring Branch, Tributary to.....	Richardson, Margaret E.	Orella.....	Harrison Canal.....	Irrig.	.06	13	33	54	Sioux.....	May	30	1888	547	.....

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

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Bazille Creek.....	Packard, J. L.....	Creighton.....	Creighton Mill Race.....	Power		21	29	5	Knox.....				1002*	
Bazille Creek.....	Moss, O. H. and Buckler, Fred.....	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.....	McGill Pump.....	Irrig.	1.03	27	31	5	Knox.....	Oct.	1	1931		2242
Bow Creek.....	Jones, A. W.....	Wynot.....	Bow Valley Mills.....	Power	52.00	11	32	2E	Cedar.....	Spring		1869	1050	
Elk Creek, (Jackson Chute)	Crystal Lake Co.....	South Sioux City.....	Crystal Lake Dam.....	Dom.	15.00	28	29	8E	Dakota.....	Apr.	12	1923		1714
Springs and Un- derground Water	Village of Crofton.....	Crofton.....	Crofton Municipal Project	Dom.	.25	26	32	2	Knox.....	Oct.	29	1930		2169

*Claim not adjudicated.

APPLICATIONS APPROVED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Loup River, North Branch Warbonnet Creek	Newton Irr. Dist.	Moulton	Newton Canal	Irrig.	19.28	35	23	21	Blaine	Mar.	18	1932	.....	2263
Well Pump (Platte River)	O'Connell, Mike	Montrose	O'Connell Canal	Irrig.		17	33	55	Sioux	June	20	1932	.....	2274
Republican River Tail Race, South- ern Nebraska Power Company (Republican River)	Beatty, Henry M.	Lexington	Beatty Well Pump	O. D.		29	9	20	Dawson	Sept.	15	1894	624	2281
Reservoir A-1954. (Spring Creek)	Mendell, B. C.	Superior	Mendell Canal	Irrig.	2.61	35	1	7	Nuckolls	Sept.	7	1932	.....	2283
Loup River	Mendell, B. C., et al.	Superior	Mendell Pump	Irrig.		36	1	7	Nuckolls	Sept.	7	1932	.....	2284
Loup River	Hall, F. M.	Harrison	Crystal Lake Reservoir Canal	Irrig.	1.14	6	32	55	Sioux	Sept.	8	1932	.....	2286
Frenchman River	Loup River Public Power Dist.	Columbus	Loup River Public Power Dist. Plant	Power	3500.00	33	17	4	Nance	Sept.	15	1932	.....	2287
Monroe Creek	Krotter, F. C.	Palisade	Follett-Krotter Canal Enlargement	Irrig.	2.98	35	5	34	Hayes	Jan.	6	1933	.....	2294
Oak Creek	Federle, Max	Harrison	Monroe Reservoir	Resort	†2AF	8	32	56	Sioux	Jan.	16	1933	.....	2297
Looking Glass Creek	Witmer, J. L.	Lincoln	Witmer Pump	Irrig.	.04	15	10	6E	Lancaster	Feb.	8	1933	.....	2301
Beaver Creek	Loup River Public Power Dist.	Columbus	Looking Glass Reservoir	Storage	†10000 AF	32	18	3	Platte	Feb.	13	1933	.....	2302
	Loup River Public Power Dist.	Columbus	Beaver Creek Reservoir	Storage	†10000 AF	14	17	4	Nance	Feb.	13	1933	.....	2303

†Acre feet per annum.

APPLICATIONS APPROVED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Continued

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
Republican River	Fischback, George	Orleans	Fischback Pump No. 1 Enlargement	Irrig.		33	2	19	Harlan	Feb.	15	1933		2304
Monroe Draw	Loup River Public Power Dist.	Columbus	Monroe Reservoir	Storage	†2000 AF	36	18	3	Platte	Feb.	22	1933		2305
Sow Belly Creek	Schaefer, N. J.	Harrison	Schaefer Reservoirs No. 1 and No. 2	Storage		7	32	55	Sioux	Feb.	27	1933		2306
Pawnee Creek	Massie, D. B.	Clay Center	Massie Lake	Resort	†65AF	16	5	8	Clay	Mar.	10	1933		2307
Tandy Springs, Tributary to White Clay Creek	Jones, Ella E.	Crawford	Jones Canal	Irrig.		26	32	52	Dawes	Mar.	15	1933		2308
Nealy Springs	Covington, Paul H.	Morrill	Covington Pipe Line	Irrig.	.06	11	23	58	Scotts Bluff	Mar.	27	1933		2311
Republican River Pumpkinseed Creek	Hill, Roy E.	Edison	Hill Pump	Irrig.	1.86	33	4	22	Furnas	Mar.	29	1933		2314
Clear Creek	Reuter, Leonard	Bridgeport	Court House Rock Canal Enlargement	Irrig.	.08	30	19	50	Morrill	Apr.	11	1933		2315
	Harper, R. F. and Barber, F. H.	Belmar	Harper Canal	Irrig.	2.97	32	16	41	Keith	Apr.	15	1933		2316
Fawcus Springs	Oliver, John E.	Bridgeport	Oliver Canal	Irrig.	2.71	24	20	52	Morrill	Apr.	17	1933		2317
Republican River	Arneson, F. L.	Inavale	Valley Grove Pumps	Irrig.	.97	2	1	12	Webster	Apr.	17	1933		2318
Nicbrara River	Nellis, Claud	Monowi	Nellis Pump	Irrig.	.09	2	32	9	Boyd	Apr.	24	1933		2319
Little Blue River	Paus, Geo. H.	Spring Ranch	Paus Pump	Irrig.	.22	16	5	8	Clay	May	15	1933		2321
Antelope Creek	Louks, W. A.	Gordon	Louks Pump	Irrig.	.12	30	33	41	Sheridan	May	22	1933		2322
Loup River, North Branch	Tetschner, Frank	Burwell	Tetschner Pump	Irrig.	.21	14	21	16	Garfield	May	24	1933		2323

†Acre feet per annum.

APPLICATIONS APPROVED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Continued

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR'TED	S	T	R	County	Mo.	D			Yr.
Glenn Springs.....	Glenn, L. R.....	Henry.....	Glenn Canal.....	Irrig.	.16	3	23	58	Scotts Bluff.....	May	29	1933	.....	2324
Monroe Creek.....	Loup River Public Power Dist.....	Columbus.....	Monroe Creek..... Power Plant.....	Power	5.00	31	18	2	Platte.....	June	9	1933	.....	2325
Dee Creek.....	Hilt, Peter, Jr.....	Waverly.....	Hilt Pump.....	Irrig.	1.72	7	11	9E	Cass.....	June	12	1933	.....	2326
Bordeaux, Big.....	Bass, Verner.....	Chadron.....	Kelso Canal Enlargement	Irrig.	.03	14	33	48	Dawes.....	July	7	1933	.....	2328
Loup River, Middle Branch...	Books, William J.....	Broken Bow.....	Books Pump.....	Irrig.	1.36	36	20	21	Custer.....	July	8	1933	.....	2330
Frenchman River	Grosbach, H. H. and Rose	Wauneta.....	Harlan Canal.....	Irrig.	1.26	32	6	37	Chase.....	July	11	1933	.....	2331
Republican River	Broeker, A. F.....	Edison.....	Broeker Pump.....	Irrig.	.57	33	4	22	Furnas.....	July	12	1933	.....	2332
Republican River	Sherwood, Margaret M.	Oxford.....	Sherwood Pump.....	Irrig.	.97	12	3	21	Furnas.....	July	19	1933	.....	2333
Deep Creek.....	Holberg, Elmer.....	Crawford.....	Holberg Fish Pond.....	Fish	†2A	4	30	53	Sioux.....	July	19	1933	.....	2334
Deep Creek.....	Holberg, Elmer.....	Crawford.....	Deep Creek Canal Enlargement	Irrig.	.22	9	30	53	Sioux.....	July	19	1933	.....	2335
North Platte River	Glasgow, Anna.....	Gering.....	Gering-Fort Laramie Canal.....	Irrig.	2.11	11	26	65	Wyoming.....	July	19	1933	.....	2336
Frenchman River	Grosbach and Williams.	Wauneta.....	Grosbach and Williams Power Plant.....	Power	75.00	5	5	37	Chase.....	July	27	1933	.....	2338
Bordeaux, Little	Preble, Howard A.....	Chadron.....	Preble Pump.....	Irrig.	.02	4	32	47	Dawes.....	July	28	1933	.....	2339
Republican River	Fritzer, G. E.....	Edison.....	Fritzer Pump.....	Irrig.	1.29	32	4	22	Furnas.....	Aug.	3	1933	.....	2340
Republican River	Olson, L.....	Orleans.....	Olson Canal.....	Irrig.	.36	3	20	20	Harlan.....	Aug.	7	1933	.....	2341
Beaver Creek.....	Fletcher, G. W.....	Beaver City.....	Fletcher Pump.....	Irrig.	.43	24	2	23	Furnas.....	Aug.	8	1933	.....	2342
Elkhorn River, North Fork.....	Stahl, Carl C.....	Norfolk.....	Stahl Pump.....	Irrig.	.42	10	24	1	Madison.....	Aug.	17	1933	.....	2343

†Acre feet per annum.

APPLICATIONS APPROVED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Continued

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
Coon Creek and Laughing Water Creek.....	Leonard, J. R.....	Bassett.....	Leonard Pump.....	Irrig.		24	32	19	Rock.....	Aug.	17	1933	.....	2344
Little Blue River	Moss, John M.....	Edgar.....	Moss Pump.....	Irrig.		18	4	6	Nuckolls.....	Dec.	16	1933	.....	2347
White Clay Creek	Greenwood, J. H.....	Rushville.....	Greenwood Pump.....	Irrig.		12	34	45	Sheridan.....	Jan.	2	1934	.....	2348
Loup River, North Branch.....	City of Ord.....	Ord.....	Municipal Pipe Line.....	Dom.	1.00	22	19	14	Valley.....	Jan.	5	1934	.....	2349
North Platte River	Platte Valley Public Power and Irr. Dist.....	North Platte.....	Sutherland Reservoir.....	Storage	†140000 AF	2	14	38	Keith.....	Jan.	13	1934	.....	2350
North Platte River	Platte Valley Public Power and Irr. Dist.....	North Platte.....	Regulating Reservoir.....	Storage	†6000 AF	16	13	33	Lincoln.....	Jan.	13	1934	.....	2352
Reservoirs A-2350, A-2352 and North Platte River	Platte Valley Public Power and Irr. Dist.....	North Platte.....	North Platte Plant.....	Power	975.00	2	14	38	Keith.....	Jan.	13	1934	.....	2353
Turkey Creek.....	Miller, Andrew S.....	Dannebrog.....	Miller Reservoir.....	Storage	†30AF	35	14	11	Howard.....	Jan.	20	1934	.....	2356
Elm Creek.....	Rasser, Wm. and Walter	Red Cloud.....	Rasser Canal.....	Irrig.	1.02	3	1	10	Webster.....	Jan.	24	1934	.....	2357
Elk Creek.....	Lamb Brothers.....	Bassett.....	Lamb Brothers Canal.....	Irrig.	.01	6	31	19	Rock.....	Feb.	3	1934	.....	2359
Elk Creek.....	Lamb Brothers.....	Bassett.....	Lamb Brothers Power Plant	Power	3.00	6	31	19	Rock.....	Feb.	3	1934	.....	2360
North Platte River	Platte Valley Public Power and Irr. Dist.....	North Platte.....	Sutherland Reservoir.....	Storage		2	14	38	Keith.....	Feb.	8	1934	.....	2361

†Acre feet per annum.

APPLICATIONS APPROVED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Continued

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR ^T ED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Big Blue River.....	Roschewski, John.....	Beatrice.....	Roschewski Pump.....	Irrig.		32	4	6E	Gage.....	Feb.	9	1934	.....	2362
Cottonwood Creek, Little.....	Simons, Raner.....	Crawford.....	Simons Canal.....	Irrig.	.77	9	32	51	Dawes.....	Feb.	12	1934	.....	2363
Cedar River.....	Maxwell, David Edward	Columbus.....	Maxwell Pump.....	Irrig.		23-19		8	Boone.....	Feb.	14	1934	.....	2364
						24								
Reservoir A-1575. (Crescent Lake)	Lake Water Carrying Co.	Lewellen.....	Crescent Lake Project.....	Irrig.	2.06	21	20	44	Garden.....	Feb.	28	1934	.....	2365
Rock Creek.....	Game, Forestation and Parks Commission	Lincoln.....	Rock Creek Lake.....	Fish		6	1	36	Dundy.....	Feb.	28	1934	.....	2366
Republican River (Tail Race D-1036).....	Thompson, E. M.....	Superior.....	Thompson Pump.....	Irrig.		34	1	7	Nuckolis.....	Mar.	8	1934	.....	2367
Big Blue River, West Fork.....	Show, Frank.....	McCool Junction.....	Show Pump.....	Irrig.	.82	18	9	2	York.....	Mar.	16	1934	.....	2368
White Clay Creek	North, A. C.....	Rushville.....	North Pump.....	Irrig.	.38	36	35	45	Sheridan.....	Mar.	26	1934	.....	2369
Clear Creek.....	Banker, Louis, Jr.....	Litchfield.....	Banker Pump.....	Irrig.		36	14	16	Sherman.....	Mar.	30	1934	.....	2370
Salt Creek.....	Village of Hickman.....	Hickman.....	Hickman Park Reservoir	Resort		33	8	7E	Lancaster.....	Apr.	2	1934	.....	2371
Monroe Creek.....	Knori, Samuel.....	Harrison.....	Big Monroe Canal.....	Irrig.	2.10	33	33	56	Sioux.....	Apr.	16	1934	.....	2372
Elk Creek.....	Koenig, Joe.....	Riverview.....	Pine Grove Reservoir.....	Fish	†1AF	8	31	19	Rock.....	Apr.	30	1934	.....	2375
Turkey Creek.....	Pecka, Frank Jr.....	Friend.....	Pecka Pump.....	Irrig.	1.23	4	7	1E	Saline.....	May	3	1934	.....	2376
Nemaha River, Big (Drainage Channel).....	Go racke, Roy C.....	Tecumseh.....	Go racke Pump.....	Irrig.		13-24	5	10E	Johnson.....	May	4	1934	.....	2377
North Platte River.....	Cooper, Wm. Miller.....	Gering.....	Gering-Ft. Laramie Canal.....	Irrig.	1.46	11	26	65	Wyoming.....	May	5	1934	.....	2378

†Acre feet per annum.

APPLICATIONS APPROVED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Continued

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Union Creek	Krueger, Helen R.	Humphrey	Krueger Pump	Irrig.	.43	24	21	2	Madison	May	9	1934	2379	
Spring Creek	Baker, H. H.	Mills	Horse Shoe Lake Reservoir	Fish	†14A	4	34	18	Keya Paha	May	10	1934	2380	
White River	Mobley, A. L.	Crawford	Mobley Pump	Irrig.		3	31	52	Dawes	May	10	1934	2381	
Rock Creek	Jeffrey, Lloyd	Waverly	Jeffrey Pump	Irrig.	.46	34	12	8E	Lancaster	May	12	1934	2382	
Little Blue River	Cassell, G. B.	Steele City	Cassell Pump	Irrig.		24	1	3E	Jefferson	May	16	1934	2383	
Big Blue River, East Fork	Blevins, Geo. E., Sr.	Shelby	Blevins Pump	Irrig.		2	13	1	Polk	May	19	1934	2384	
Sappa Creek	Johnson, Edw. E.	Orleans	Sappa Valley Pump	Irrig.		24	2	20	Harlan	May	23	1934	2385	
Turkey Creek	Divoky, Rudolph	Friend	Divoky Pump	Irrig.		1.13	34	8	1E	Saline	May	25	1934	2386
Antelope Creek	Green, M. E.	Gordon	Green Pump	Irrig.	.09	30	33	41	Sheridan	May	29	1934	2387	
Loup River	Galley, Chas. B.	Columbus	Galley Pump	Irrig.		33	17	1E	Platte	May	29	1934	2388	
Little Blue River	Peters, Cornelius R.	Nelson	Peters Pump	Irrig.	.71	27	4	6	Nuckolls	May	31	1934	2389	
Cedar River	Haggerty, John C.	Spalding	Haggerty Pump	Irrig.		34	20	9	Greeley	May	31	1934	2390	
Mud Creek	Slote, E. A.	Litchfield	Slote Pump	Irrig.		33	14	16	Sherman	May	31	1934	2391	
Bordeaux, Big	Peterson, Margaret J.	Chadron	Peterson Pump	Irrig.		25	33	48	Dawes	May	31	1934	2392	
Prouty Springs	Prouty, H. S.	Spencer	Prouty Canal	Irrig.	1.44	5	32	11	Holt	June	1	1934	2393	
Little Blue River	Meyer, John H.	Oak	Meyer Pump	Irrig.		1	3	6	Nuckolls	June	2	1934	2394	
Loup River, Middle Branch	Leininger, John P.	Loup City	Leininger Pump	Irrig.		12	15	15	Sherman	June	2	1934	2395	
Turkey Creek	Eurich, John	Friend	Eurich Pump	Irrig.		9	7	1E	Saline	June	2	1934	2396	
Big Blue River, West Fork	Bors, Joseph	McCool Junction	Bors Pump	Irrig.		36	9	3	York	June	4	1934	2397	
Victoria Creek	McGraw, Chas. M.	Broken Bow	McGraw Pump	Irrig.	.80	6	19	20	Custer	June	4	1934	2398	
Little Blue River	Davis, John H.	Spring Ranch	Davis Pump	Irrig.		15	5	8	Clay	June	5	1934	2399	
Loup River, South Branch	Roth, Fred	Ravenna	Roth Pump	Irrig.		22								
						5	12	13	Buffalo	June	7	1934	2400	

†Acre feet per annum.

APPLICATIONS APPROVED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Continued

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Turkey Creek.....	Mishler, W. C.....	Edison.....	Mishler Pump.....	Irrig.		25	5	22	Gosper.....	June	7	1934	.....	2401
Turkey Creek.....	Gabby, Joe and West, Bruce	Pawnee City.....	Gabby-West Pump.....	Irrig.		2	1	11	Pawnee.....	June	8	1934	.....	2402
Republican River	Mayfield, L. L.....	Edison.....	Mayfield Pump.....	Irrig.		35	4	22	Furnas.....	June	8	1934	.....	2403
Eagle Creek.....	Spinar, Frank J.....	Red Bird.....	Spinar Canal.....	Irrig.		1	32	11	Holt.....	June	9	1934	.....	2404
Goose Creek.....	Fink, Arnold F.....	Elsmere.....	Empire Ranch Canal.....	Irrig.		26	26	25	Cherry.....	June	11	1934	.....	2405
Lost Creek..... (Slough)	Ballon, James.....	Schuyler.....	Ballon Reservoir.....	Resort	†14AF	29	17	3E	Colfax.....	June	11	1934	.....	2406
Niobrara River.....	Wirth, Joseph F.....	Verdel.....	Wirth Pump.....	Irrig.		22	32	8	Knox.....	June	12	1934	.....	2407
Turkey Creek.....	Stuart, Wayne.....	Springview.....	Stuart Canal.....	Irrig.	.03	23	33	23	Keya Paha.....	June	14	1934	.....	2408
Winters Creek (North Platte River)	Enterprise Irr. Dist.....	Scottsbluff.....	Winters Creek Lateral.....	O. D.		8	22	54	Scotts Bluff.....	June	18	1934	920	2409
Loup River, South Branch.....	Wall, R. V.....	Logan.....	Wall Pump.....	Irrig.		35	18	26	Logan.....	June	18	1934	.....	2410
Salt Creek.....	Splain, William F.....	Lincoln.....	Splain-Bogan Pump.....	Irrig.		25	9	6E	Lancaster.....	June	18	1934	.....	2412
Toohey Drain (North Platte River)	Fanning, Leo T.....	Mitchell.....	Fanning Pump.....	O. D.		20	23	56	Scotts Bluff.....	June	25	1934	920	2413
Turkey Creek.....	Dilley, Edward A.....	Friend.....	Dilley Pump.....	Irrig.		33	8	2E	Saline.....	June	30	1934	.....	2414
Big Blue River, West Fork.....	Znamenacek, Miles.....	Crete.....	Znamenacek Pump.....	Irrig.		4	8	4E	Saline.....	July	2	1934	.....	2415
Elkhorn River.....	Eubank, C. W.....	North Platte.....	Eubank Pump.....	Irrig.		10	25	7	Antelope.....	July	5	1934	.....	2416
Loup River, North Branch.....	Cole, J. H. and W. B.....	Taylor.....	Cole Pump.....	Irrig.		20	21	18	Loup.....	July	6	1934	.....	2417
Rose Creek.....	Fairchild Brothers.....	Endicott.....	Fairchild Pump.....	Irrig.		7	1	3E	Jefferson.....	July	9	1934	.....	2419
Bordeaux, Big.....	Gochnauer, Chris. H.....	Chadron.....	Gochnauer Canal.....	Irrig.	.17	10	33	48	Dawes.....	July	11	1934	.....	2420

†Acre feet per annum.

APPLICATIONS APPROVED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Continued

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Oak Creek.....	Burcham, W. F.....	Lincoln.....	Burcham Pump.....	Irrig.		20	11	6E	Lancaster.....	July	13	1934	2422	
Mud Creek.....	Haller, H. F.....	Litchfield.....	Haller Pump.....	Irrig.		19	14	16	Sherman.....	July	13	1934	2423	
Turkey Creek.....	Belka, John.....	Dorchester.....	Belka Pump.....	Irrig.		4	7	3E	Saline.....	July	13	1934	2424	
Rose Creek.....	Wilson, Clyde.....	Fairbury.....	Wilson Pump.....	Irrig.		3	1	2E	Jefferson.....	July	14	1934	2425	
Big Blue River, South Fork.....	Schmidt, Otto.....	Fairmont.....	Schmidt Pump.....	Irrig.		3	8	3	Fillmore.....	July	14	1934	2426	
Loup River, North Branch.....	Bales, Henry A.....	Burwell.....	Bales Pump.....	Irrig.	.65	11	21	16	Garfield.....	July	14	1934	2427	
Nemaha River, Big..... (Drainage Channel)	Goracke, Raymond A.....	Tecumseh.....	Goracke Pump.....	Irrig.		14	5	10	Johnson..... E	July	16	1934	2428	
Big Blue River, West Fork.....	Casteel, Lonie E.....	Crete.....	Casteel Pump.....	Irrig.		5	8	4E	Saline.....	July	18	1934	2429	
Big Blue River, West Fork.....	Nave, C. D.....	Crete.....	Nave Pump.....	Irrig.		5	8	4E	Saline.....	July	18	1934	2430	
Chimney Creek.....	Swim, Charles C.....	Springview.....	Swim Canal.....	Irrig.		24	33	23	Keya Paha.....	July	18	1934	2431	
Turkey Creek.....	Engel, H. H.....	Friend.....	Engel Pump.....	Irrig.		8	7	1E	Saline.....	July	19	1934	2432	
Little Blue River.....	Woods, Lester D.....	Ayr.....	Woods Pump.....	Irrig.		17	5	10	Adams.....	July	20	1934	2433	
Turkey Creek.....	Yokel, J. C.....	Friend.....	Yokel Pump.....	Irrig.	1.16	17	7	1E	Saline.....	July	21	1934	2434	
Big Blue River, West Fork.....	Johnson, Arthur F.....	Dorchester.....	Johnson Pump.....	Irrig.	.37	32	9	3E	Seward.....	July	23	1934	2435	
Silver Creek.....	Hanke, Herman.....	Ithaca.....	Hanke Pump.....	Irrig.		35	14	8E	Saunders.....	July	23	1934	2436	
Big Blue River.....	Cekal, Edward J.....	Beatrice.....	Cekal Pump.....	Irrig.		24	3	8E	Gage.....	July	24	1934	2438	
Big Blue River.....	Martz, Jno. E.....	Seward.....	Martz Pump.....	Irrig.		20	11	3E	Seward.....	July	24	1934	2440	
Big Blue River.....	Quackenbush, A. E.....	Beatrice.....	Quackenbush Pump.....	Irrig.		3	3	6E	Gage.....	July	25	1934	2441	
Sand Creek.....	Hudec, Joe.....	Wahoo.....	Wannhoo Park Reservoir.....	Fish	†12AF	3	14	7E	Saunders.....	July	25	1934	2442	

†Acre feet per annum.

APPLICATIONS APPROVED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Continued

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR' TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Rock Creek.....	Wicker, Pearl D.....	Springview.....	Wicker	Irrig.....		24	33	22	Keya Paha.....	July	25	1934	.....	2443
Wahoo Creek.....	Treptow, Herman.....	Ithaca.....	Treptow Pump.....	Irrig.....		20	14	8E	Saunders.....	July	25	1934	.....	2444
Mud Creek.....	Lang, J. R., Jr.....	Litchfield.....	Lang Pump.....	Irrig.....		13	14	17	Custer.....	July	27	1934	.....	2445
Nemaha River, Big (Drainage Channel)	Pella, Frank G.....	Tecumseh.....	Pella Pump.....	Irrig.....		14	5	10 E	Johnson.....	July	28	1934	.....	2448
Wrede Springs.....	Wrede, John.....	Red Bird.....	Wrede Project.....	Irrig.....		8	32	10	Holt.....	July	28	1934	.....	2449
Sand Creek.....	Dolezal, Edward.....	Wahoo.....	Dolezal Reservoir.....	Fish.....		22	15	7E	Saunders.....	Aug.	1	1934	.....	2452
Big Blue River.....	Olson, Olaf.....	Greenwood.....	Olson Pump.....	Irrig.....		22	10	3E	Seward.....	Aug.	1	1934	.....	2453
Nealy Springs.....	Nealy, Daisy.....	Henry.....	Nealy Canal.....	Irrig.....		11	23	58	Scotts Bluff.....	Aug.	3	1934	.....	2454
Loup River, North Branch.....	Wells, Lee.....	Taylor.....	Wells Pump.....	Irrig.....		20	21	18	Loup.....	Aug.	6	1934	.....	2455
Bordeaux, Big.....	Bass, Verner.....	Chadron.....	Kelso Canal Enlargement No. 2.....	Irrig.....		14	33	48	Dawes.....	Aug.	6	1934	.....	2456
Turkey Creek.....	Haun, Cecil.....	Springview.....	Logan Dam.....	Irrig.....		23	33	23	Keya Paha.....	Aug.	7	1934	.....	2457
Big Blue River, West Fork.....	Mohlman, Elsie.....	Hastings.....	Mohlman Pump.....	Irrig.....		25	8	9	Adams.....	Aug.	9	1934	.....	2458
Lincoln County Drainage Ditch No. 2 (North Platte River)	Reimers, Oscar.....	Grand Island.....	Reimers Pump.....	O. D.....		30	14	31	Lincoln.....	Aug.	13	1934	635	2459
Little Blue River.....	Johnston, Mrs. Hester.....	Oak.....	Johnston Pump.....	Irrig.....		8	3	5	Nuckolls.....	Aug.	13	1934	.....	2460
Union Creek.....	Steckelberg, Carl Frederic.....	Lincoln.....	Steckelberg Pump.....	Irrig.....		31	22	1E	Stanton.....	Aug.	13	1934	.....	2461

APPLICATIONS APPROVED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Concluded

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						S	T	R	County	Mo.	D			Yr.
Skull Creek.....	The Island Realty Co.....	Grand Island.....	Skull Creek Dam.....	Irrig.		11-25	20	Rock.....	Aug.	14	1934	.....	2462
Wahoo Creek.....	Breyer, William F.....	Ithaca.....	Breyer Pump.....	Irrig.		14								
Beaver Creek.....	Dietrich, Catherine, et al.....	Ravenna.....	Dietrich Pump.....	Irrig.		29	14	8E Saunders.....	Aug.	15	1934	.....	2463
Loup River, North Branch.....	Britton, Jack.....	Burwell.....	Britton Pump.....	Irrig.		4	12	15 Buffalo.....	Aug.	16	1934	.....	2464
Big Blue River.....	Chermak, C. J.....	Seward.....	Chermak Pump.....	Irrig.		26	21	18 Loup.....	Aug.	20	1934	.....	2467
Beaver Creek.....	Peterson, Homer S.....	St. Edward.....	Peterson Pump.....	Irrig.		26	11	3E Seward.....	Sept.	5	1934	.....	2470
Big Blue River.....	Jorgenson, L.....	Staplehurst.....	Jorgenson Pump No. 1.....	Irrig.		18	18	4 Platte.....	Sept.	10	1934	.....	2471
Elkhorn River, North Fork.....	Hagel, Robert A.....	Norfolk.....	Hagel Pump.....	Irrig.		20	13	2E Butler.....	Sept.	11	1934	.....	2473
Loup River, South Branch.....	Pressey, H. E.....	Oconto.....	The Maples.....	Irrig.		15	24	1 Madison.....	Sept.	12	1934	.....	2474
Loup River, Middle Branch.....	Rankin, Mary L.....	Broken Bow.....	Rankin Canal.....	Irrig.		9	14	21 Custer.....	Sept.	13	1934	.....	2475
Nemaha River, Big (Drainage Channel)	Goracke, Joe.....	St. Mary.....	Goracke Pump.....	Irrig.		4	21	23 Blaine.....	Sept.	22	1934	.....	2477
Big Blue River.....	Jorgenson, L.....	Staplehurst.....	Jorgenson Pump No. 2.....	Irrig.		14	5	10 Johnson.....	Sept.	26	1934	.....	2478
Reservoir A-2246 (Rock Creek)	Kara Cattle Co.....	Parks.....	Kara Lake Reservoir.....	Irrig.		24	13	1E Butler.....	Sept.	26	1934	.....	2479
Ash Creek.....	Cripps, Fred W.....	Whitney.....	Cripps Reservoir.....	Storage		20	1	39 Dundy.....	Sept.	26	1934	.....	2480
Loup River, North Branch.....	Coble, W. C.....	Whitman.....	Coble Canal.....	Irrig.		12	32	51 Dawes.....	Sept.	28	1934	.....	2481
Turkey Creek.....	Bates, Harry M.....	Meadville.....	Prim Rose Canal.....	Irrig.		20	28	35 Cherry.....	Oct.	10	1934	.....	2485
Loup River, North Branch.....	Walker, Glenn.....	Burwell.....	Walker Pump.....	Irrig.		36	33	23 Keya Paha.....	Oct.	29	1934	.....	2489
						33	21	17 Loup.....	Nov.	2	1934	.....	2490

CLAIMS AND APPLICATIONS CANCELED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934

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SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						GR'TED	S	T	R	County	Mo.	D			Yr.
Big Blue River	Roschewski, John	Beatrice	Roschewski Pump	Irrig.		32	4	6E	Gage	Feb.	9	1934		2362
Chadron Creek	McDowell, M. B.	Chadron	McDowell Canal	Irrig.		1	32	49	Dawes	May	9	1932		2270
Horse Creek	Mitchell Irr. Dist.	Mitchell	Mitchell Irr. Dist. Power Plant	Power	60.00	25	23	58	Scotts Bluff	June	9	1931		2207
Little Blue River	Moss, John M.	Edgar	Moss Pump	Irrig.		18	4	6	Nuckolls	Dec.	16	1933		2347
Loup River, Middle Branch	Conger, Jas. W.	Loup City	Sherman County Canal	Power	125.00	26	17	16	Valley	Fall of		1888	229a	
Loup River, Middle Branch	Middle Loup Valley Irr. Co.	Sargent	Middle Loup Valley Canal	Irrig.	560.29	15	21	22	Blaine	June	6	1894	202	
Loup River, Middle Branch	Douglas Grove Irr. Dist.	Comstock	Wescott Canal	Irrig.	88.57	15	19	18	Custer	Aug.	8	1894	214	
Loup River, Middle Branch	Sherman County Irr. and Water Power Co.	Loup City	Sherman County Canal	Irrig.	244.00	26	17	16	Valley	Aug.	13	1894	229b	
Loup River, Middle Branch	Thedford Irr. and Water Power Co.	Thedford	Thedford Canal	Irrig.	43.00	4	23	29	Thomas	Aug.	25	1894	198	
Loup River, Middle Branch	Purdum, J. W.	Thedford	Norway Canal	Irrig.	2.86	31	24	29	Thomas	Sept.	8	1894	199	
Loup River, Middle Branch	Lillian Precinct Ditch and Power Co.	Gates	Lillian Precinct Canal	Irrig.	140.00	30	21	21	Blaine	Oct.	19	1894	204 } 216 }	
Loup River, Middle Branch	Rieck, Emil	Dunning	Jewett Canal	Irrig.	4.29	30	22	21	Blaine	Aug.	12	1895		113
Loup River, Middle Branch	Harris, L. H.	Dunning	Harris Canal	Irrig.	5.71	16	22	25	Blaine	Feb.	21	1896		248

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CLAIMS AND APPLICATIONS CANCELED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Continued

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D			Yr.
Loup River, Middle Branch	Webster Irr. and Canal Co.	Comstock	Webster Canal	Irrig.	1.71	20	19	17	Custer	Mar.	5	1898	442
Loup River, Middle Branch	Longwood Irr. and Canal Co.	Comstock	Longwood Canal	Irrig.	12.93	20	19	17	Custer	Feb.	21	1912	1175
Loup River, Middle Branch	Lundy, Laura E.	Sargent	Lundy Lake Canal	Irrig.	28.31	5	19	19	Custer	June	27	1913	1300
Loup River, Middle Branch	Lundy, Laura E.	Sargent	Lundy Lake	Storage	†4500 AF	2	19	19	Custer	July	19	1913	1306
(Reservoir A-1306) Loup River, Middle Branch	Lundy, Laura E.	Sargent	Lundy Lake	Irrig.	6.34	4	19	19	Custer	July	19	1913	1307
Loup River, Middle Branch	Austin Irr. Co.	Loup City	Austin Canal	Irrig.	50.00	32	13	14	Sherman	Nov.	6	1913	1330
Loup River, Middle Branch	Carter, T. H.	Hebron	Loup River Power Plant	Power	600.00	35	18	17	Custer	Sept.	14	1926	1858
Loup River, North Branch	North Loup Irr. and Improvement Co.	North Loup	North Loup Canal	Irrig.	143.00	27	19	14	Valley	Sept.	30	1893	227 } 228 } 232 }
Loup River, North Branch	Lee, J. R.	Brownlee	Lee Canal	Irrig.	40.00	25	27	29	Cherry	Aug.	7	1894	188 } 189 } 356 }
Loup River, North Branch	Burwell Irr. Co.	Burwell	Burwell Canal	Irrig.	110.00	27	21	17	Loup	Sept.	7	1894	224

†Acre feet per annum.

CLAIMS AND APPLICATIONS CANCELED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Concluded

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Loup River, North Branch	Newton Irr. Dist.	Moulton	Newton Canal	Irrig.	115.14	35	23	21	Blaine	Feb.	5	1895	205	.....
Loup River, North Branch	Erickson, P. C.	Brewster	Homestake Canal	Irrig.	51.43	27	23	22	Blaine	Sept.	10	1895	.....	152
Loup River, North Branch	Loup Valley Irr. and Power Co.	North Loup	North Loup Power Plant	Power	1000.00	35	19	13	Blaine	Nov.	29	1922	.....	1697
Loup River, North Branch	Loup Valley Irr. and Power Co.	North Loup	Scotia Power Plant	Power	1000.00	27	17	12	Greeley	Dec.	22	1922	.....	1700
Monroe Creek	Knori, Samuel	Harrison	Big Monroe Canal	O. D.		35	33	56	Sioux	May	2	1932	.....	2267
North Platte R.	Austin, Wm. F.	Bayard	Morrill County Power Plant	Power	200.00	18	21	53	Morrill	July	27	1931	.....	2221
Tail Race, Southern Nebraska Power Company (Republican River)	Mendell, B. C., et al.	Superior	Mendell Pump	Irrig.		36	1	7	Nuckolls	Sept.	7	1932	.....	2284
Republican River	Olson, L.	Orleans	Orleans Project	Irrig.		36	3	20	Harlan	Aug.	7	1933	.....	2341
Sand Creek	Arner, Jess and Harry	Crawford	Arner Canal	Irrig.	2.57	26	33	53	Sioux	Jan.	12	1905	.....	779
Tandy Springs, Tributary to White Clay Cr.	Jones, Ella E.	Crawford	Jones Canal	Irrig.		26	32	52	Dawes	Mar.	15	1933	.....	2308
White Clay Creek	Greenwood, J. H.	Rushville	Greenwood Pump	Irrig.		12	34	34	Sheridan	Jan.	2	1934	.....	2348

APPLICATIONS DISMISSED FROM NOVEMBER 30, 1932 TO NOVEMBER 30, 1934

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET GR'TED	LOCATION OF HEADGATE				DATE OF PRIORITY			DOC. NO.	APP. NO.
						S	T	R	County	Mo.	D	Yr.		
Deer Creek.....	Loup River Public Power Dist.....	Columbus.....	Deer Creek Reservoir.....	Storage		21	13	12	Howard.....	Mar.	23	1933	.....	2310
Fawcus Springs Loup River, Middle Branch..	Bergmann, John.....	Plattsmouth.....	Bergmann Canal.....	Irrig.		24	20	52	Morrill.....	Sept.	11	1934	.....	2472
Loup River, Middle Branch..	Kucera and Person.....	Friend.....	Comstock Power Plant.....	Power		36	18	17	Custer.....	Apr.	14	1929	.....	1925
Loup River, Middle Branch..	Books, W. J.....	Broken Bow.....	Books Pump.....	Irrig.		36	20	21	Custer.....	June	18	1934	.....	2411
Loup River, North Fork and Davis Creek.....	Loup River Public Power Dist.....	Columbus.....	Davis Creek Reservoir.....	Storage		34	17	12	Greeley.....	Mar.	20	1933	.....	2309
Medicine Creek North Platte River	Perry, Melvin E.....	Freedom.....	Perry Pump.....	Irrig.		20	6	26	Frontier.....	July	13	1934	.....	2421
North Platte River	Central Nebraska Supplemental Water Assn.	Holdrege.....	Sutherland Reservoir.....	Storage Power		2	14	38	Keith.....	Feb.	26	1932	.....	2256
North Platte River	Central Nebraska Supplemental Water Assn.	Holdrege.....	North Platte Regulating Reservoir	Storage Power		9	13	35	Lincoln.....	Feb.	26	1932	.....	2257
North Platte River	Central Nebraska Supplemental Water Assn.	Holdrege.....	Sutherland Power Plant.....	Power		2	14	38	Keith.....	Feb.	26	1932	.....	2258
North Platte River	Central Nebraska Supplemental Water Assn.	Holdrege.....	North Platte Power Plant	Power					Lincoln.....	Feb.	26	1932	.....	2259
North Platte River	Central Nebraska Supplemental Water Assn.	Holdrege.....	Bignell Power Plant.....	Power					Lincoln.....	Feb.	26	1932	.....	2260
North Platte River	Platte Valley Public Power and Irr. Dist.	North Platte.....	Sutherland Reservoir.....	Storage		2	14	38	Keith.....	Feb.	1	1933	.....	2298-A

DEPARTMENT OF ROADS AND IRRIGATION

APPLICATIONS DISMISSED FROM NOVEMBER 30, 1932, TO NOVEMBER 30, 1934—Concluded

SOURCE	NAME OF CLAIMANT	POST OFFICE	CARRIER	USE TO WHICH APPLIED	SEC. FEET	LOCATION OF HEADGATE			DATE OF PRIORITY			DOC. NO.	APP. NO.	
						GR'TED	S	T	R	County	Mo.			D	Yr.
North Platte River and Reservoir 2298-A	Platte Valley Public Power and Irr. Dist.	North Platte	Sutherland Regulating Reservoir	Storage		16	13	33	Lincoln	Feb.	1	1933		2298-B
North Platte River and Reservoirs A-2298A, and A-2298B			North Platte Power Plant	Power		2	14	38	Keith	Feb.	1	1933		2299
North Platte River and Reservoirs A-2298A and A-2298B	Platte Valley Public Power and Irr. Dist.	North Platte	Platte Valley Reservoir	Irrig.		2	14	38	Keith	Feb.	1	1933		2300
Platte River			Central Nebraska Supplemental Water Assn.	Holdrege	Tri-County Project	Irrig.			12	28	Lincoln	Nov.	29	1922		1696
Platte River	Central Nebraska Supplemental Water Assn.	Holdrege	Plum Creek Reservoir	Storage			8	21	Gosper					
Platte River										9	21	Dawson		
Platte River	Central Nebraska Supplemental Water Assn.	Holdrege	Tri-County Power Plant	Power		14	12	28	Lincoln	Nov.	15	1923		1727
Platte River										14	12	28	Lincoln	Nov.	15	1923		1728
Wells	Fitch, Wm. C., et al.	McCook	Lower Snell Canyon Power Plant	Power		8	13	29	Lincoln	Feb.	26	1932		2261
			Fitch Wells	Irrig.		1	2	30	Red Willow	May	3	1933		2320
Western Sarpy Drainage Ditch	Gramlich, Adam H.	Papillion	Gramlich Pump	Irrig.		10	13	10	Sarpy	June	27	1933		2327

PERMITS ISSUED TO RELOCATE WATER DIVERSIONS NOVEMBER 30, 1932, TO NOVEMBER 30, 1934

APPROPRIATION NUMBER WHICH HAS CARRYING RIGHT	STREAM	CLAIMANT	POST OFFICE	OLD LOCATION			OLD CARRIER	NEW LOCATION			NEW CARRIER	AMT.	APPROPRIATION NUMBER WHICH COVERS THE LAND
				S	T	R		S	T	R			
A-1714	Elk Creek..... (Jackson Chute)	Crystal Lake Co.....	South Sioux City.....	SE¼	SW¼	26 29 8E	Crystal Lake Dam.....	NW¼	SW¼	28 29 8E	Crystal Lake Dam	15.00	A-1714
D- 788	Blue Creek.....	Orr, Bert.....	Lewellen.....	NE¼	SW¼	6 16 42	Hooper Canal.....	NW¼	SE¼	19 16 42	Graf Canal .....	.21	D- 781
D- 342-344	Lodge Pole Cr.	Atkins, D. K. and Minnie	Kimball.....	SE¼	SW¼	36 15 57	Kimball Canal (Oliver Reservoir).....	SE¼	NW¼	30 15 55	Atkins-Polly Canal	.11	A- 897
A-2035	Bear Creek.....	Woods Brothers Realty Company.....	Lincoln.....	SW¼	SE¼	24 34 36	Woods Brothers Canal.....	SW¼	SW¼	29 34 35	Woods. Bros. Canal	11.78	A-2035
D- 884	Pumpkinseed Cr.	Nunn, Rose.....	Bridgeport.....	SE¼	NE¼	29 19 51	Round House Rock Canal.....	SW¼	NE¼	27 19 51	Round House Rock Canal		D- 884
A-2335	Deep Creek.....	Holberg, Elmer.....	Crawford.....	NW¼	NW¼	9 30 53	Deep Creek Canal.....	NW¼	NW¼	9 30 53	Green Canal (Deep Creek Canal Enlargement)	.06	D- 525
A- 662B	White Tail Creek.....	Coyner, S. C. and Eva.....	Keystone.....	SW¼	NE¼	26 15 38	Keystone Canal.....	SE¼	SE¼	36 15 38	Coyner Canal		A-662b
D- 426	Chadron Creek.....	Gorr, James C.....	Chadron.....	SW¼	SE¼	15 33 49	Gallup Canal.....	SE¼	SW¼	15 33 49	Gallup Canal		D- 426
A-2283	Republican River	Mendell, B. C.....	Superior.....	NE¼	NE¼	34 1 7	Guthrie Canal.....	SW¼	NW¼	35 1 7	Mendell Pump	2.61	A-2283

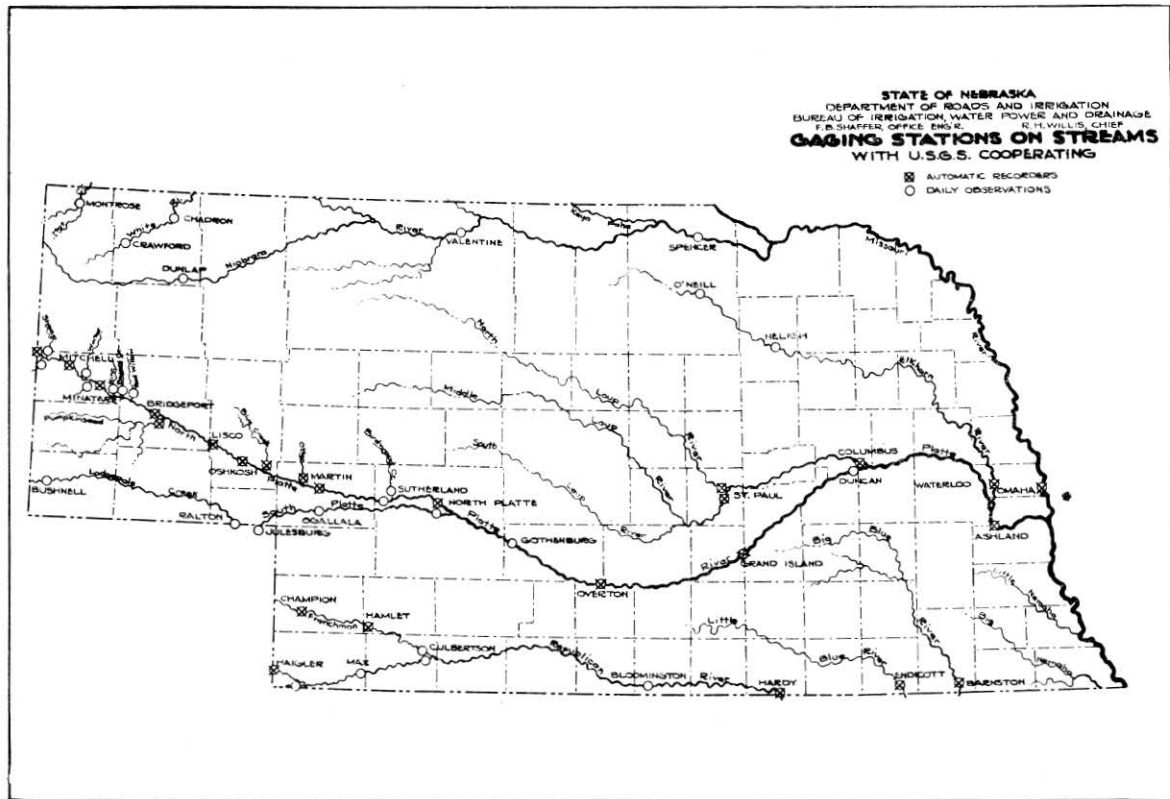
DEPARTMENT OF ROADS AND IRRIGATION

DRAINAGE DISTRICTS

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

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

COUNTY	NAME OF DISTRICT	DATE OF APPROVAL OF PLANS
Garden	Garden County Improvement and Drainage District No. 1 (Oshkosh Drainage District)	June 28, 1932
Knox	Frankfort Bottom Drainage District	Mar. 3, 1923 (Retards)
Lancaster	Salt Creek Drainage District Lancaster Drainage District No. 1	-----
Lincoln	Drainage District No. 1	Mar. 23, 1922
Lincoln	Drainage District No. 2	Dec. 4, 1929
Madison	Norfolk Drainage District	Mar. 18, 1924
Merrick	Drainage District No. 1	Feb. 17, 1916
Merrick	Drainage District No. 2	May 10, 1921
Morrill	Minatare Drainage District	-----
Nemaha	Drainage District No. 3	July 6, 1916
Nemaha	Peru Drainage District No. 6	April 19, 1927
Nuckolls	Drainage District No. 1	-----
Otoe-Johnson	Drainage District No. 1	Oct. 31, 1914
Otoe-Johnson	Drainage District No. 1 (Spring Creek Cut-Off Ditch)	Sept. 15, 1932
Platte	Holdrege Drainage District	-----
Richardson	Drainage District No. 1	-----
Richardson	Drainage District No. 2	-----
Richardson	Drainage District No. 3	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 Hendrichs 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	Pender Drainage District	Feb. 21, 1918
Thurston	Drainage District No. 2	Sept. 2, 1932
Washington	Papio Valley Drainage District	Mar. 8, 1926



INCREASE IN FLOW OF THE NORTH PLATTE AND PLATTE RIVERS FROM WHALEN DAM, WYOMING, TO OVERTON, NEBRASKA

By **F. F. Le Fever**

Assistant Engineer, U. S. Geological Survey

Introduction

Results of the study of increase in flow of the North Platte and Platte Rivers throughout the irrigated area in eastern Wyoming and Nebraska during the water years ending September 30, 1932, 1933, and 1934 are presented in the following report. The investigations having been conducted on a similar basis to those during the water year ending September 30, 1931,¹ and comparisons are made with the data for that year.

The scope of the work was extended in 1932 to include the section of the Platte River between North Platte and Overton. As the latter station is at practically the lower end of the area irrigated by surface water in the Platte Valley, the territory covered by this report includes essentially the entire irrigated area below Whalen Dam.

Division of Work

The work was carried on under a cooperative agreement between the State engineer of Nebraska and the United States Geological Survey. Most of the field work between the Wyoming-Nebraska line and Lisco was performed by the writer. All other field work in Nebraska was carried on by A. W. Hall, A. E. Johnston, and F. B. Shaffer, assistants of R. H. Willis, Chief Bureau of Irrigation, Water Power, and Drainage. Field work at the station on the North Platte at the Wyoming-Nebraska line was performed by Floyd M. Roush in 1932, Earl Lloyd in 1933, and Carl A. Gaensslen in 1934, engineers of Wyoming, and by A. W. Hall, A. E. Johnston, and the writer. Field work in Wyoming was performed by the Wyoming engineers mentioned previously. The Bureau of Reclamation furnished the records at Whalen Dam, including the diversions by the Interstate and Fort Laramie canals.

¹ Department of Public Works: Nineteenth Biennial Report, pp. 300-310.

Records for the river stations, except at the Whalen Dam, were computed by the district office of the United States Geological Survey in Denver, those for most of the tributary streams between the State line and Overton, by the writer, and those for the diversions in Nebraska, by A. W. Hall, assistant engineer, and F. B. Shaffer, office engineer, State of Nebraska. The report was prepared by the writer under the direction of Robert Follansbee, district engineer of the Geological Survey.

Acknowledgements are due the Bureau of Reclamation for discharge records at Guernsey and Whalen Dam, officials of the Pathfinder and Goshen Irrigation Districts for records of operation, and the Wyoming State Engineer's office for records of diversions between Whalen Dam and the State line.

Irrigated Area

Based chiefly on the acreages reported by the various irrigation projects, the total area irrigated between Whalen Dam and Overton varied from 691,000 acres in 1932 to 663,400 acres in 1934. For the purpose of this report it is convenient to use the three natural divisions, (1) Whalen Dam to Lisco, (2) Lisco to North Platte, and (3) North Platte to Overton, into which the irrigated area is divided by the topography of the valley. In making studies of the 1931 water year it was necessary to divide the upper section at Bridgeport, as there was no gaging station at Lisco at that time.

Method of Investigation

In general the data for the last three years were obtained by similar field methods to those used in 1931. It is believed that the base data have been improved in accuracy each year, due chiefly to the installation of water-stage recorders at Torrington, Minatare, and Lisco in 1932, at Oshkosh in 1933, and at Martin in 1934. The stretch of river studied during the past three years, 305 miles in length, was divided into 9 sections in 1934 by 10 river gaging stations all equipped with water stage recorders. In addition, water stage recorders were installed on several of the tributary streams in 1934.

Division of Report

This report is divided into four sections as follows: Section I—a study of the actual increase in the river, both visible and invisible, from all sources; Section II—a study of the return flow from irrigation; Section III—comparisons by years of results and of factors affecting them; Section IV—conclusions.

SECTION I—ACTUAL INCREASE FROM ALL SOURCES

Visible inflow was measured directly at stations maintained on all tributaries near the mouth, and below all diversions.

Invisible inflow in this part of the report, for any section of the river, is the difference between the actual river discharge at the lower end of the section and the theoretical flow at that point computed by adding to the river discharge at the upper end of the section the visible inflow in the section and subtracting the diversions. If the actual discharge at the lower end of the section is greater than the computed discharge an invisible inflow is indicated. If the reverse is true a loss is indicated, and this loss is shown in the following tables as a negative invisible inflow.

The net pickup contributed by any section is the algebraic sum of the visible and invisible inflow in the section.

Evaporation losses are not considered in this part of the report which is concerned with the actual increase in the river, and not the total increase which is lessened by the evaporation losses. These are considered in Section II, where they are added to the invisible increase, to determine the total or gross invisible increase.

The scattered negative values for invisible inflow in the upper sections of the river are probably due in part to inaccuracies in the river records at the stations involved. A relatively small error in one or both of the monthly river records may result in a relatively large error in the invisible inflow based upon those records, owing to the greater amount of water involved in the river discharges. Changes in channel storage during the month, for the river section involved, cause some of the negative values and in some instances, gains which appear too large. In section II of the report correction to the 1933 and 1934 invisible gains for the change in channel storage has been made.

The total invisible gain for the year, or irrigation season, determined by adding the monthly values algebraically is believed by the writer to be nearer the actual figure than the total obtained by adding only the positive values, as by the former method, the errors in individual monthly values due to the inaccuracies described, tend to compensate. However, the invisible increase for the year, based on the total of the positive monthly values only, and neglecting the negative values is also shown.

Increase in Flow of the River

The increase in flow, both visible and invisible, from all sources is shown in the following tables by months for each section of the river:

INCREASE IN FLOW (ACRE-FEET) OF NORTH PLATTE AND

MONTH	WHALEN DAM TO STATE LINE		STATE LINE TO MITCHELL		MITCHELL TO MINATARE	
	Visible	Invisible	Visible	Invisible	Visible	Invisible
Oct.....	16,000	9,800	12,900	3,600	15,700	9,200
Nov.....	14,200	5,100	12,500	5,900	11,300	5,500
Dec.....	19,300	1,400	12,000	9,000	10,500	3,400
Jan.....	18,800	2,300	10,900	2,600	9,000	700
Feb.....	18,900	2,400	12,000	7,800	7,990	300
Mar.....	18,700	-600	10,400	9,600	8,620	4,000
Apr.....	18,900	1,400	9,330	5,900	9,110	5,600
May.....	19,100	-8,100	9,470	200	8,540	5,400
June.....	14,100	-7,100	14,500	6,500	10,200	6,800
July.....	10,500	4,500	11,300	2,000	12,100	8,900
Aug.....	10,500	13,800	13,300	7,700	12,600	9,100
Sept.....	11,600	16,700	14,600	8,000	16,300	9,400
Year.....	191,000	41,600	143,000	68,800	132,000	68,300

INVISIBLE INCREASE BASED ON

Year.....	57,400	68,800	68,300
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Note: Visible increase between North Platte and Overton during winter months due chiefly to flow of South Platte River.

INCREASE IN FLOW (ACRE-FEET) OF NORTH PLATTE AND

MONTH	WHALEN DAM TO STATE LINE		STATE LINE TO MITCHELL		MITCHELL TO MINATARE	
	Visible	Invisible	Visible	Invisible	Visible	Invisible
Oct.....	8,150	23,000	20,000	5,100	20,900	7,100
Nov.....	15,200	11,500	13,800	4,300	15,900	7,000
Dec.....	16,300	7,900	11,900	4,800	12,700	7,300
Jan.....	16,900	9,700	11,800	4,800	11,700	11,400
Feb.....	14,100	7,200	9,180	4,000	8,900	1,400
Mar.....	14,700	7,700	11,000	1,100	9,840	7,100
Apr.....	16,400	4,000	10,800	4,300	9,350	9,000
May.....	38,400	3,600	21,000	-4,000	13,800	17,000
June.....	15,300	-7,300	13,000	3,200	8,500	7,000
July.....	11,200	9,800	10,900	1,700	12,300	10,700
Aug.....	10,200	15,900	13,900	5,500	14,600	8,300
Sept.....	18,300	20,300	27,900	10,900	25,500	15,400
Year.....	195,000	113,000	175,000	45,700	164,000	109,000

INVISIBLE INCREASE BASED ON

Year.....	121,000	49,700	109,000
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PLATTE RIVERS FROM WHALEN DAM TO OVERTON, 1932

MINATARE TO BRIDGEPORT		BRIDGEPORT TO LISCO		LISCO TO OSHKOSH		OSHKOSH TO NORTH PLATTE		NORTH PLATTE TO OVERTON	
Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible
24,200	800	4,180	1,600	9	-2,100	25,000	-7,500	1,500	-15,000
19,100	1,100	3,750	2,800	30	1,200	26,600	-9,300	1,930	-5,500
17,500	1,900	4,160	5,600	61	500	30,000	-4,000	15,900	7,100
14,500	1,600	3,890	1,600	157	3,500	27,400	10,000	30,700	-22,700
12,600	2,100	3,430	2,300	87	5,700	25,800	24,800	26,700	-21,700
13,000	600	5,090	4,200	93	7,800	28,000	29,500	23,400	-9,400
11,500	2,400	3,810	1,000	59	18,300	27,800	-12,400	15,900	500
15,600	5,100	2,960	400	30	4,500	23,600	7,000	6,990	21,400
17,000	6,700	3,450	1,700	10	5,000	24,100	19,600	3,770	4,100
20,700	100	3,250	3,900	0	4,300	19,200	-2,400	1,990	-1,100
26,400	5,500	2,670	3,200	24	4,200	22,800	4,600	1,780	-8,800
30,400	5,000	2,320	3,500	12	-1,800	24,100	13,400	1,540	-23,400
222,000	32,900	42,800	31,800	572	51,100	304,000	73,300	132,000	-74,500

POSITIVE MONTHLY VALUES ONLY

32,900	31,800	55,000	108,900	33,100
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PLATTE RIVERS FROM WHALEN DAM, TO OVERTON, 1933

MINATARE TO BRIDGEPORT		BRIDGEPORT TO LISCO		LISCO TO OSHKOSH		OSHKOSH TO NORTH PLATTE		NORTH PLATTE TO OVERTON	
Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible
28,000	6,600	2,880	7,700	80	4,200	27,600	3,600	1,740	-15,700
20,600	2,400	3,420	9,600	60	2,900	27,100	8,900	1,890	-12,900
17,200	1,300	3,470	2,600	50	4,200	26,900	2,600	1,830	11,200
15,800	8,200	4,270	12,200	80	7,900	30,100	15,900	9,200	-6,200
12,500	1,900	3,700	13,500	50	11,000	25,200	-6,700	14,500	-9,500
13,600	8,600	4,260	3,100	6	21,200	30,300	700	25,200	8,800
12,500	2,200	3,330	10,800	12	13,700	28,700	24,300	5,140	25,100
18,800	-700	4,040	22,300	5	11,500	32,400	30,600	24,200	700
14,000	5,000	2,050	6,000	14	-1,800	19,000	13,200	3,010	17,100
19,200	11,400	2,280	-2,800	8	-1,000	20,700	6,900	800	-12,000
30,300	7,500	2,960	900	25	-2,700	28,600	14,300	2,670	-35,400
35,600	12,100	4,810	5,500	79	13,100	27,800	8,300	15,700	1,300
238,000	66,500	41,500	91,400	469	74,200	324,000	123,000	106,000	-27,500

POSITIVE MONTHLY VALUES ONLY

67,200	94,200	79,700	129,000	64,200
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INCREASE IN FLOW (ACRE-FEET) OF NORTH PLATTE AND

MONTH	WHALEN DAM TO STATE LINE		STATE LINE TO MITCHELL		MITCHELL TO MINATARE		MINATARE TO BRIDGEPORT	
	Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible
	Oct.....	15,190	15,920	19,050	10,000	18,650	2,460	25,120	13,750
Nov.....	17,510	10,370	12,860	2,440	15,300	4,590	19,820	6,480
Dec.....	18,050	8,620	12,770	2,990	14,010	5,150	17,430	11,020
Jan.....	15,540	8,980	11,280	4,680	11,130	5,010	15,320	6,200
Feb.....	11,160	5,600	9,480	3,240	9,290	5,130	12,440	4,500
Mar.....	12,770	8,660	8,920	3,100	9,010	4,820	12,260	6,780
Apr.....	9,440	8,270	8,530	2,220	7,640	7,980	10,220	4,670
May.....	6,080	-2,590	2,740	2,860	4,380	6,370	9,080	2,780
June.....	12,320	14,270	3,600	6,000	8,910	5,510	10,070	5,660
July.....	10,680	6,460	2,880	4,690	4,770	6,190	8,380	2,950
Aug.....	6,350	15,030	2,960	5,010	4,580	5,740	9,440	1,250
Sept.....	13,200	13,060	3,080	4,550	7,090	9,100	9,460	2,130
Year.....	148,300	112,600	98,150	51,780	114,800	68,050	159,000	68,170

INVISIBLE INCREASE BASED ON

Year.....	115,240	51,790	68,050	68,170
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PLATTE RIVERS FROM WHALEN DAM, TO OVERTON, 1934

BRIDGEPORT TO LISCO		LISCO TO OSHKOSH		OSHKOSH TO MARTIN		MARTIN TO NORTH PLATTE		NORTH PLATTE TO OVERTON	
Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible
3,770	-3,940	18	18,880	9,350	-9,150	18,960	13,340	6,670	-3,450
3,590	-1,070	60	39,460	9,280	-9,780	19,400	-7,500	10,240	-22,440
4,280	-5,630	123	15,350	9,570	2,230	18,890	-290	18,900	-15,800
4,270	13,350	184	6,420	9,990	5,210	19,840	8,460	26,640	-12,240
3,690	6,720	111	3,520	8,520	4,180	15,260	6,000	10,440	-13,340
4,330	12,150	123	-1,980	8,850	10,380	15,850	1,350	16,040	-17,440
3,180	7,590	119	8,070	6,190	-20	15,280	210	3,650	-2,080
2,450	11,840	175	5,490	6,500	2,490	14,860	670	2,400	-5,710
2,430	6,240	119	-2,430	6,140	6,110	14,090	-9,120	8,870	-11,240
1,360	-550	115	-2,610	4,300	-580	14,030	-4,410	414	-6,060
1,010	420	35	-1,950	1,580	-1,860	14,880	-3,160	275	-6,660
1,480	1,430	12	480	4,450	-1,560	17,260	-1,830	1,070	-5,890
35,840	48,550	1,190	88,700	84,720	7,650	198,600	3,720	105,600	-122,400

POSITIVE MONTHLY VALUES ONLY

59,740	97,670	30,600	30,030	0
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The preceding tables with the return per mile of river added are summarized as follows:

SUMMARY OF INCREASE IN FLOW (ACRE-FEET) OF THE
NORTH PLATTE AND PLATTE RIVERS FROM WHALEN
DAM TO OVERTON FOR THE WATER YEAR 1932

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	191,000	4,550	41,600	990	233,000	5,550
State Line to Mitchell	14	143,000	10,200	68,800	4,920	212,000	15,100
Mitchell to Minatare	20	132,000	6,600	68,300	3,420	200,000	10,000
Minatare to Bridgeport	22	222,000	10,100	32,900	1,500	255,000	11,600
Bridgeport to Lisco	28	42,800	1,530	31,800	1,140	74,600	2,660
Lisco to Oshkosh	17	572	34	51,100	3,010	51,700	3,040
Oshkosh to North Platte	88	304,000	3,450	73,300	833	377,000	4,280
North Platte to Overton	74	132,000	1,780	-74,500	-1,010	57,500	777
Total	305	1,170,000	3,840	293,000	961	1,460,000	4,790

**SUMMARY OF INCREASE IN FLOW (ACRE-FEET) OF THE
NORTH PLATTE AND PLATTE RIVERS FROM WHALEN
DAM TO OVERTON, FOR THE WATER YEAR 1933**

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	195,000	4,640	113,000	2,690	308,000	7,330
State Line to Mitchell.....	14	175,000	12,500	45,700	3,260	221,000	15,800
Mitchell to Minatare.....	20	164,000	8,200	109,000	5,450	273,000	13,600
Minatare to Bridgeport.....	22	238,000	10,800	66,500	3,020	304,000	13,800
Bridgeport to Lisco.....	28	41,500	1,480	91,400	3,260	133,000	4,750
Lisco to Oshkosh.....	17	469	28	74,200	4,360	74,700	4,390
Oshkosh to North Platte....	88	324,000	3,680	123,000	1,400	447,000	5,080
North Platte to Overton..	74	106,000	1,430	-27,500	-372	78,500	1,060
Total	305	1,240,000	4,070	595,000	1,950	1,840,000	6,030

**SUMMARY OF INCREASE IN FLOW (ACRE-FEET) OF THE
NORTH PLATTE AND PLATTE RIVERS FROM WHALEN
DAM TO OVERTON, FOR THE WATER YEAR 1934**

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	148,300	3,530	112,600	2,680	260,900	6,210
State Line to Mitchell.....	14	98,150	7,010	51,780	3,700	149,900	10,710
Mitchell to Minatare.....	20	114,800	5,740	68,050	3,400	182,800	9,140
Minatare to Bridgeport.....	22	159,000	7,230	68,170	3,100	227,200	10,330
Bridgeport to Lisco.....	28	35,840	1,280	48,550	1,730	84,390	3,010
Lisco to Oshkosh.....	17	1,190	70	88,700	5,220	89,890	5,290
Oshkosh to Martin.....	36	84,720	2,350	7,650	212	92,370	2,570
Martin to North Platte....	52	198,600	3,820	3,720	72	202,300	3,890
North Platte to Overton....	74	105,600	1,430	-122,400	-1,650	-16,800	-227
Total	305	946,200	3,100	326,800	1,070	1,273,000	4,170

The greatest combined visible and invisible, or total, annual gain per mile occurred in the sections between the State line and Bridgeport in each of the three years and the smallest increase or greatest loss per mile occurred in the section between North Platte and Overton.

Although the increase in flow is shown in the preceding tables for the entire year, the increase for the irrigation season, May to September is chiefly of value to irrigation interests, and such increase is summarized as follows:

**SUMMARY OF INCREASE IN FLOW (ACRE-FEET) OF THE
NORTH PLATTE AND PLATTE RIVERS FROM WHALEN
DAM TO OVERTON FOR THE IRRIGATION SEASON
MAY TO SEPTEMBER 1932**

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	65,800	1,570	19,800	471	85,600	2,040
State Line to Mitchell.....	14	63,200	4,510	24,400	1,740	87,600	6,260
Mitchell to Minatare.....	20	59,700	2,980	39,600	1,980	99,300	4,960
Minatare to Bridgeport.....	22	110,000	5,000	22,400	1,020	132,000	6,000
Bridgeport to Lisco.....	28	14,600	521	12,700	454	27,300	975
Lisco to Oshkosh.....	17	76	4	16,200	953	16,300	959
Oshkosh to North Platte..	88	114,000	1,300	42,200	480	156,000	1,770
North Platte to Overton....	74	16,100	218	-7,800	-105	8,300	112
Total	305	443,000	1,450	170,000	557	612,000	2,010

**SUMMARY OF INCREASE IN FLOW (ACRE-FEET) OF THE
NORTH PLATTE AND PLATTE RIVERS FROM WHALEN
DAM TO OVERTON FOR THE IRRIGATION SEASON
MAY TO SEPTEMBER 1933**

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	93,400	2,220	42,300	1,010	136,000	3,240
State Line to Mitchell.....	14	86,700	6,190	17,300	1,240	104,000	7,430
Mitchell to Minatare.....	20	74,700	3,740	58,400	2,920	133,000	6,650
Minatare to Bridgeport.....	22	118,000	5,360	35,300	1,600	153,000	6,950
Bridgeport to Lisco.....	28	16,100	575	31,900	1,140	48,000	1,710
Lisco to Oshkosh.....	17	131	8	9,100	535	9,200	541
Oshkosh to North Platte..	88	128,000	1,450	73,300	833	201,000	2,280
North Platte to Overton....	74	46,400	627	-28,300	-382	18,100	245
Total	305	563,000	1,850	239,000	784	802,000	2,630

**SUMMARY OF INCREASE IN FLOW (ACRE-FEET) OF THE
NORTH PLATTE AND PLATTE RIVERS FROM WHALEN
DAM TO OVERTON FOR THE IRRIGATION SEASON
MAY TO SEPTEMBER 1934**

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	48,630	1,160	46,230	1,100	94,860	2,260
State Line to Mitchell.....	14	15,260	1,090	23,110	1,650	38,370	2,740
Mitchell to Minatare.....	20	29,730	1,490	32,910	1,640	62,640	3,130
Minatare to Bridgeport.....	22	46,430	2,110	14,770	671	61,200	2,780
Bridgeport to Lisco.....	28	8,730	312	19,380	692	28,110	1,000
Lisco to Oshkosh.....	17	456	27	-1,020	-60	-564	-33
Oshkosh to Martin.....	36	22,970	638	4,600	128	27,570	766
Martin to North Platte	52	75,120	1,440	-17,850	-343	57,270	1,100
North Platte to Overton....	74	13,030	176	-35,560	-480	-22,530	-304
Total	305	260,400	854	86,570	284	346,900	1,140

Relation of both visible and invisible to the total increase of the

entire year, and for the irrigation season is shown in the following tables:

RELATION OF VISIBLE AND INVISIBLE INCREASE TO TOTAL INCREASE IN FLOW OF NORTH PLATTE AND PLATTE RIVERS, 1932

DIVISION	TOTAL INCREASE IN ACRE-FEET		PER CENT OF TOTAL INCREASE			
			Visible		Invisible	
	Water year	May to Sept.	Water year	May to Sept.	Water year	May to Sept.
Whalen Dam to Lisco.....	975,000	432,000	75	72	25	28
Lisco to North Platte.....	429,000	172,000	71	66	29	34
North Platte to Overton.....	57,500	8,300	a	a	b	b
Whalen Dam to Overton....	1,460,000	612,000	80	72	20	28

a Greater than total increase due to losses described below.

b Loss.

RELATION OF VISIBLE AND INVISIBLE INCREASE TO TOTAL INCREASE IN FLOW OF NORTH PLATTE AND PLATTE RIVERS, 1933

DIVISION	TOTAL INCREASE IN ACRE-FEET		PER CENT OF TOTAL INCREASE			
			Visible		Invisible	
	Water year	May to Sept.	Water year	May to Sept.	Water year	May to Sept.
Whalen Dam to Lisco.....	1,240,000	574,000	66	68	34	32
Lisco to North Platte.....	522,000	210,000	62	61	38	39
North Platte to Overton.....	78,500	18,100	a	a	b	b
Whalen Dam to Overton....	1,840,000	802,000	67	70	33	30

a Greater than total due to losses.

b Loss.

RELATION OF VISIBLE AND INVISIBLE INCREASE TO TOTAL INCREASE IN FLOW OF NORTH PLATTE AND PLATTE RIVERS, 1934

DIVISION	TOTAL INCREASE IN ACRE-FEET		PER CENT OF TOTAL INCREASE			
			Visible		Invisible	
	Water year	May to Sept.	Water year	May to Sept.	Water year	May to Sept.
Whalen Dam to Lisco.....	905,200	285,200	61	52	39	48
Lisco to North Platte.....	384,600	84,280	74	a	26	b
North Platte to Overton.....	-16,800	-22,530	a	a	b	b
Whalen Dam to Overton....	1,273,000	347,000	74	75	26	25

a Greater than net increases due to losses.

b Loss.

It will be noted with reference to the foregoing tables that in the upper division (Whalen Dam to Lisco), the invisible increase amounted to from 25 to 39 per cent of the total increase for the full years, and from 28 to 48 per cent of the total increase, for the irrigation seasons. In the middle division (Lisco to North Platte), invisible increase amounted to from 26 to 38 per cent of the total for the full years while for the irrigation seasons there was a variation from a loss in 1934 to 39 per cent of the total increase in 1933. In the lower division the figures for total invisible gains for the years and for the irrigation seasons were all negative indicating losses.

SECTION II—RETURN FLOW FROM IRRIGATION

Method of Determining Return Flow from Irrigation

In correcting the preceding tabulations for inflow from sources other than return from irrigation, the methods used in the 1931 report were followed.

Corrections added to the invisible gain during the 3 years covered by this report for evaporation losses, are generally higher than the corresponding corrections in the 1931 report, as a slightly greater average width of river channel was used in the former computations. The amounts deducted for increase in the flow of tributaries which were apparently due to precipitation, were larger in 1932 and 1933 than in 1931 and 1934 because in general, precipitation was greater over the area during the former years.

Records of waste, or unused water returned to the river, by the various canals were incomplete, particularly on the smaller canals. It is believed that the unused water comprises a relatively small portion of the total amount diverted, especially in irrigation seasons like those here considered when the water supply was limited and precipitation was normal or below normal. Therefore, no attempt was made to compile figures for the waste water returned in each section, and the figures for modified visible and invisible increase in flow include unused water, as well as return flow which reached the river after having percolated through the soil.

Modified Record of Increase in Flow

The following tables show the visible and invisible increase in flow of the river after deductions for flow from all known sources other than irrigation, and additions for evaporation losses and return flow from irrigation diverted by canals before reaching the river have been made. Invisible gains in the following tables for 1933 and 1934 were corrected for change in channel storage:

**INCREASE IN FLOW (ACRE-FEET) OF NORTH PLATTE AND
FOR KNOWN DISCHARGE NOT FROM IRRIGA-
IRRIGATION, AND FOR**

MONTH	WHALEN DAM TO STATE LINE		STATE LINE TO MITCHELL		MITCHELL TO MINATARE	
	Visible	Invisible	Visible	Invisible	Visible	Invisible
	Oct.	4,900	10,400	12,000	3,900	15,500	10,000
Nov.	4,520	5,500	11,300	6,100	11,100	5,900
Dec.	2,740	1,500	11,200	9,100	10,300	3,600
Jan.	1,780	2,400	9,660	2,700	8,820	900
Feb.	1,870	2,600	9,160	7,900	7,820	500
Mar.	2,840	-100	9,390	9,800	8,440	4,500
Apr.	2,270	2,400	7,800	6,400	8,350	6,800
May.	3,380	-6,600	10,600	1,000	8,780	6,700
June.	4,880	-4,000	17,300	7,500	15,500	8,600
July.	6,080	8,500	17,600	3,100	19,600	10,900
Aug.	8,280	16,700	20,000	8,600	20,200	10,800
Sept.	8,180	18,500	23,400	8,600	23,700	10,600
Year.	51,700	57,800	159,000	74,700	158,000	79,800

INVISIBLE INCREASE BASED ON

Year.	68,500	74,700	79,800
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**INCREASE IN FLOW (ACRE-FEET) OF NORTH PLATTE AND
FOR KNOWN DISCHARGE NOT FROM IRRIGATION,
TION, FOR EVAPORATION LOSSES, AND**

MONTH	WHALEN DAM TO STATE LINE		STATE LINE TO MITCHELL		MITCHELL TO MINATARE	
	Visible	Invisible	Visible	Invisible	Visible	Invisible
	Oct.	4,610	23,600	19,400	4,800	20,900	6,600
Nov.	3,660	11,900	13,200	4,800	15,900	7,700
Dec.	2,750	8,000	11,200	5,600	12,700	9,400
Jan.	2,560	9,800	11,100	4,000	11,700	10,700
Feb.	2,210	7,300	8,450	4,100	8,900	800
Mar.	2,740	8,200	10,300	1,400	9,840	7,300
Apr.	3,130	5,000	8,900	5,100	8,270	10,000
May.	3,300	3,900	16,000	-1,700	14,000	21,000
June.	4,400	-4,500	17,300	4,800	14,600	8,600
July.	5,800	10,300	18,700	1,600	18,600	10,600
Aug.	8,100	17,100	21,400	6,700	21,000	11,700
Sept.	9,400	19,800	31,400	10,800	29,800	16,300
Year.	52,700	120,000	187,000	52,000	186,000	121,000

INVISIBLE INCREASE BASED ON

Year.	125,000	53,700	121,000
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PLATTE RIVERS FROM WHALEN DAM TO OVERTON CORRECTED
TION, FOR REDIVERTED RETURN FLOW FROM
EVAPORATION LOSSES, 1932

MINATARE TO BRIDGEPORT		BRIDGEPORT TO LISCO		LISCO TO OSHKOSH		OSHKOSH TO NORTH PLATTE		NORTH PLATTE TO OVERTON	
Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible
24,200	1,700	2,000	3,100	0	-1,100	6,280	-1,600	369	-10,100
19,100	1,700	1,630	3,600	0	1,700	4,570	-5,900	391	-2,400
17,500	2,200	1,750	6,100	0	800	4,260	-2,400	359	8,600
14,500	1,900	1,740	2,000	0	3,800	4,070	11,500	389	-21,200
12,400	2,400	1,420	2,700	0	6,000	3,900	26,400	403	-20,100
12,800	1,300	1,340	5,200	0	8,500	3,900	33,800	369	-5,000
10,800	4,000	1,130	3,400	0	19,900	3,630	-3,100	345	9,000
14,100	6,900	1,230	3,200	0	6,400	4,850	18,400	377	32,300
18,400	8,900	1,680	5,000	0	7,000	7,540	30,300	456	13,900
26,500	2,500	1,720	7,400	0	6,500	7,240	10,800	454	9,800
30,700	7,700	1,660	6,500	0	6,300	7,780	17,200	664	1,600
34,900	6,600	1,840	5,900	0	-300	7,760	23,000	446	-15,500
236,000	47,800	19,100	54,100	0	65,500	65,800	158,000	5,020	900

POSITIVE MONTHLY VALUES ONLY

47,800	54,100	66,900	171,000	75,200
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PLATTE RIVERS FROM WHALEN DAM TO OVERTON CORRECTED
FOR REDIVERTED RETURN FLOW FROM IRRIGA-
CHANGE IN CHANNEL STORAGE, 1933

MINATARE TO BRIDGEPORT		BRIDGEPORT TO LISCO		LISCO TO OSHKOSH		OSHKOSH TO NORTH PLATTE		NORTH PLATTE TO OVERTON	
Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible
28,000	7,000	2,210	9,300	0	6,200	6,100	16,400	369	-3,600
20,600	3,000	1,950	10,500	0	3,300	4,260	11,500	397	-6,600
17,200	4,100	1,810	7,200	0	8,200	3,860	18,600	357	23,700
15,800	7,800	1,840	12,100	0	7,800	4,330	12,800	222	-13,000
12,500	600	1,500	13,400	0	12,200	3,660	3,400	222	-1,700
13,600	8,700	1,420	0	0	16,800	3,720	-17,000	246	1,800
11,200	3,500	1,160	13,200	0	14,900	4,890	30,400	244	36,100
16,900	3,500	1,440	29,400	0	6,600	5,640	71,000	369	38,500
17,200	6,100	1,550	6,600	0	-2,300	6,140	4,000	436	-4,200
25,300	11,800	1,560	-2,200	0	-900	7,320	5,300	492	-8,100
32,700	13,200	2,090	11,300	0	4,700	7,580	53,900	553	-2,800
35,400	13,100	2,340	6,500	0	13,200	6,460	11,500	615	10,000
246,000	82,400	20,900	117,000	0	90,700	64,000	222,000	4,520	70,100

POSITIVE MONTHLY VALUES ONLY

82,400	120,000	93,900	239,000	110,000
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**INCREASE IN FLOW (ACRE-FEET) OF NORTH PLATTE AND
FOR KNOWN DISCHARGE NOT FROM IRRIGATION,
TION, FOR EVAPORATION LOSSES, AND**

MONTH	WHALEN DAM TO STATE LINE		STATE LINE TO MITCHELL		MITCHELL TO MINATARE		MINATARE TO BRIDGEPORT	
	Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible
Oct.....	4,680	14,900	18,560	10,340	19,050	2,920	25,120	14,120
Nov.....	3,100	11,000	12,390	2,680	15,300	5,020	19,820	6,840
Dec.....	2,170	8,560	12,280	3,010	14,010	5,160	17,430	11,690
Jan.....	1,740	9,190	10,780	4,750	11,130	5,000	15,320	5,710
Feb.....	1,100	6,190	9,040	3,710	9,290	5,910	12,440	5,760
Mar.....	1,270	8,760	8,420	3,040	9,010	4,950	12,260	6,840
Apr.....	1,210	9,210	8,050	2,090	7,980	8,340	10,220	4,820
May.....	1,130	3,880	6,670	3,720	10,970	6,900	10,700	3,640
June.....	1,830	11,680	7,150	6,570	10,230	6,480	12,750	7,640
July.....	1,120	10,050	6,820	5,330	10,570	6,870	11,630	3,710
Aug.....	1,820	14,640	7,090	5,150	11,070	6,320	11,640	2,040
Sept.....	1,570	13,430	7,140	4,730	11,670	9,830	11,880	3,140
Year.....	22,740	121,500	114,400	55,120	140,300	73,700	171,200	75,950

INVISIBLE INCREASE BASED ON

Year.....	121,500	55,120	73,700	75,950
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**PLATTE RIVERS FROM WHALEN DAM TO OVERTON CORRECTED
FOR REDIVERTED RETURN FLOW FROM IRRIGA-
CHANGE IN CHANNEL STORAGE, 1934**

BRIDGEPORT TO LISCO		LISCO TO OSHKOSH		OSHKOSH TO MARTIN		MARTIN TO NORTH PLATTE		NORTH PLATTE TO OVERTON	
Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible
1,740	-3,600	0	19,090	276	-7,050	6,130	16,500	317	850
1,600	-600	0	40,300	286	-8,730	4,400	-5,920	198	-19,480
1,520	-2,460	0	18,070	339	7,910	4,010	2,880	206	-19,340
1,410	11,170	0	4,370	500	980	3,720	6,960	244	-4,680
1,230	9,330	0	5,110	347	7,040	2,800	7,720	141	-17,190
1,340	10,560	0	-3,220	307	8,870	2,860	1,550	123	-16,360
934	8,200	0	8,280	229	-200	3,100	-150	69	-2,630
928	13,280	0	6,400	224	4,680	4,990	4,840	125	-1,900
1,130	9,090	0	-207	228	12,030	4,690	-114	119	-4,850
961	320	0	-1,900	152	1,230	4,440	-842	61	220
1,070	1,760	0	-1,170	35	-1,120	4,000	-321	0	-2,500
1,160	3,090	0	2,040	137	-403	4,050	1,580	0	-2,300
15,020	60,140	0	97,160	3,060	25,240	49,190	34,680	1,600	-90,160

POSITIVE MONTHLY VALUES ONLY

66,800	103,700	42,740	42,030	1,070
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The preceding tables, with the increase per mile added, are summarized as follows:

SUMMARY OF CORRECTED RETURN FLOW FOR YEAR, 1932

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	51,700	1,230	57,800	1,380	110,000	2,620
State Line to Mitchell.....	14	159,000	11,400	74,700	5,340	234,000	16,700
Mitchell to Minatare.....	20	158,000	7,900	79,800	3,990	238,000	11,900
Minatare to Bridgeport.....	22	236,000	10,700	47,800	2,170	284,000	12,900
Bridgeport to Lisco.....	28	19,100	682	54,100	1,930	73,200	2,610
Lisco to Oshkosh.....	17	0	0	65,500	3,850	65,500	3,850
Oshkosh to North Platte....	88	65,800	748	158,000	1,800	224,000	2,550
North Platte to Overton....	74	5,020	68	900	12	5,900	80
Total	305	695,000	2,280	539,000	1,770	1,230,000	4,050

SUMMARY OF CORRECTED RETURN FLOW FOR YEAR, 1933

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	52,700	1,250	120,000	2,860	173,000	4,120
State Line to Mitchell.....	14	187,000	13,400	52,000	3,710	239,000	17,100
Mitchell to Minatare.....	20	186,000	9,300	121,000	6,050	307,000	15,400
Minatare to Bridgeport.....	22	246,000	11,200	82,400	3,750	328,000	14,900
Bridgeport to Lisco.....	28	20,900	746	117,000	4,180	138,000	4,930
Lisco to Oshkosh.....	17	0	0	90,700	5,340	90,700	5,340
Oshkosh to North Platte....	88	64,000	727	222,000	2,520	286,000	3,250
North Platte to Overton....	74	4,520	61	70,100	947	74,600	1,010
Total	305	761,000	2,500	875,000	2,870	1,640,000	5,380

SUMMARY OF CORRECTED RETURN FLOW FOR YEAR, 1934

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	22,740	541	121,500	2,890	144,200	3,430
State Line to Mitchell.....	14	114,400	8,170	55,120	3,940	169,500	12,110
Mitchell to Minatare.....	20	140,300	7,020	73,700	3,680	214,000	10,700
Minatare to Bridgeport.....	22	171,200	7,780	75,950	3,450	247,200	11,240
Bridgeport to Lisco.....	28	15,020	536	60,140	2,150	75,160	2,680
Lisco to Oshkosh.....	17	0	0	97,160	5,720	97,160	5,720
Oshkosh to Martin.....	36	3,060	85	25,240	701	28,300	786
Martin to North Platte.....	52	49,190	946	34,680	667	83,870	1,610
North Platte to Overton....	74	1,600	22	-90,160	-1,220	-88,560	-1,200
Total	305	517,500	1,700	453,300	1,490	970,800	3,180

From the preceding tables it will be noted that, like the unmodified values, the greatest total annual gains per mile occurred between

the State line and Bridgeport and the smallest, between North Platte and Overton.

SUMMARY OF CORRECTED RETURN FLOW FOR IRRIGATION
SEASON MAY TO SEPTEMBER, 1932

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	30,800	734	33,100	788	63,900	1,520
State Line to Mitchell.....	14	88,900	6,350	28,800	2,060	118,000	8,430
Mitchell to Minatare.....	20	87,800	4,390	47,600	2,380	135,000	6,750
Minatare to Bridgeport.....	22	125,000	5,680	32,600	1,480	158,000	7,180
Bridgeport to Lisco.....	28	8,130	290	28,000	1,000	36,100	1,290
Lisco to Oshkosh.....	17	0	0	25,900	1,520	25,900	1,520
Oshkosh to North Platte....	88	35,200	400	99,700	1,130	135,000	1,530
North Platte to Overton....	74	2,400	32	42,100	569	44,500	601
Total	305	378,000	1,240	338,000	1,110	716,000	2,350

SUMMARY OF CORRECTED RETURN FLOW FOR IRRIGATION
SEASON MAY TO SEPTEMBER, 1933

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	31,000	738	46,600	1,110	77,600	1,850
State Line to Mitchell.....	14	105,000	7,500	22,200	1,590	127,000	9,070
Mitchell to Minatare.....	20	98,000	4,900	68,200	3,410	166,000	8,300
Minatare to Bridgeport.....	22	128,000	5,820	47,700	2,170	176,000	8,000
Bridgeport to Lisco.....	28	8,980	321	51,600	1,840	60,600	2,160
Lisco to Oshkosh.....	17	0	0	21,300	1,250	21,300	1,250
Oshkosh to North Platte....	88	33,100	376	146,000	1,660	179,000	2,030
North Platte to Overton....	74	2,460	33	33,400	451	35,900	485
Total	305	407,000	1,330	437,000	1,430	843,000	2,760

SUMMARY OF CORRECTED RETURN FLOW FOR IRRIGATION
SEASON MAY TO SEPTEMBER, 1934

SECTION OF RIVER	DISTANCE IN MILES	VISIBLE		INVISIBLE		TOTAL	
		Total	Per mile	Total	Per mile	Total	Per mile
Whalen Dam to State Line	42	7,470	178	53,680	1,280	61,150	1,460
State Line to Mitchell.....	14	34,870	2,490	25,500	1,820	60,370	4,310
Mitchell to Minatare.....	20	54,510	2,730	36,400	1,820	90,910	4,550
Minatare to Bridgeport.....	22	58,600	2,660	20,170	917	78,770	3,580
Bridgeport to Lisco.....	28	5,250	188	27,540	984	32,790	1,170
Lisco to Oshkosh.....	17	0	0	5,160	304	5,160	304
Oshkosh to Martin.....	36	776	22	16,420	456	17,200	478
Martin to North Platte....	52	22,170	426	5,140	99	27,310	525
North Platte to Overton....	74	305	4	-11,330	-153	-11,020	-149
Total	305	184,000	603	178,700	586	362,600	1,190

The relation of the visible and invisible increase to the total in-

crease, based on the modified records is shown in the following tables:

**RELATION OF VISIBLE AND INVISIBLE INCREASE
TO TOTAL INCREASE, 1932**

DIVISION	TOTAL INCREASE ACRE-FEET		PER CENT OF TOTAL INCREASE			
			Visible		Invisible	
	Water year	May to Sept.	Water year	May to Sept.	Water year	May to Sept.
Whalen Dam to Lisco.....	938,000	511,000	67	67	33	33
Lisco to North Platte.....	290,000	161,000	23	22	77	78
North Platte to Overton....	5,920	44,500	85	5	15	95
Whalen Dam to Overton....	1,234,000	716,000	56	53	44	47

**RELATION OF VISIBLE AND INVISIBLE INCREASE
TO TOTAL INCREASE, 1933**

DIVISION	TOTAL INCREASE ACRE-FEET		PER CENT OF TOTAL INCREASE			
			Visible		Invisible	
	Water year	May to Sept.	Water year	May to Sept.	Water year	May to Sept.
Whalen Dam to Lisco.....	1,180,000	607,000	58	61	42	39
Lisco to North Platte.....	377,000	200,000	17	17	83	83
North Platte to Overton....	74,600	35,900	6	7	94	93
Whalen Dam to Overton....	1,630,000	843,000	46	48	54	52

**RELATION OF VISIBLE AND INVISIBLE INCREASE
TO TOTAL INCREASE, 1934**

DIVISION	TOTAL INCREASE ACRE-FEET		PER CENT OF TOTAL INCREASE			
			Visible		Invisible	
	Water year	May to Sept.	Water year	May to Sept.	Water year	May to Sept.
Whalen Dam to Lisco.....	850,100	324,000	55	50	45	50
Lisco to North Platte.....	209,300	49,670	25	46	75	54
North Platte to Overton....	-88,560	-11,020	a	a	b	b
Whalen Dam to Overton....	970,800	362,600	53	51	47	49

a Greater than total increase due to losses.

b Loss.

As compared to the invisible increases based on the unmodified records, the invisible increases in the preceding tables comprise a larger percentage of the total gain. This is due to the elimination of visible flow from sources other than return from irrigation, and addition to the invisible gain for evaporation. As a result, even the lower division North Platte to Overton shows an invisible gain for each year, except 1934. The great invisible gain in the lower division in 1933 is due to precipitation which found its way directly to the river and was not deducted from the visible inflow.

SECTION III—COMPARISONS OF RESULTS AND OF FACTORS AFFECTING THEM

The following tables show the annual increase by sections, both visible and invisible, modified or corrected, as described in section II, arranged for comparison of the results by years. The first table shows the yearly increase and the second shows the increase during the irrigation season only, while the lower half of each table shows the accumulative gains by sections. For example, the figure 715,900 in the column headed "Oshkosh-North Platte" in the last half of the first table, is the total visible gain between Whalen and North Platte and the figure to the right is the total invisible gain.

In general the visible and invisible increases in the various sections were greatest in 1933, the year in which river discharge was the greatest and precipitation approximately normal. In 1934 the increases were usually less than in any of the other three years. As shown by tables of comparison later in the report, the precipitation during the year and the growing season was below normal and the water supply for irrigation extremely low.

**COMPARISON BETWEEN VISIBLE AND INVISIBLE (ALGEBRAIC)
YEARS 1931-34. INCREASE**

YEAR	WHALEN DAM TO STATE LINE		STATE LINE TO MITCHELL		MITCHELL TO MINATARE	
	Visible	Invisible	Visible	Invisible	Visible	Invisible
1931.....	42,500	*115,500	145,000	135,400	164,000	93,100
1932.....	51,700	57,800	159,000	74,700	158,000	79,800
1933.....	52,700	120,000	187,000	52,000	186,000	121,000
1934.....	22,740	121,500	114,400	55,120	140,300	73,700
Mean.....	42,400	103,700	151,400	79,300	162,100	91,900

ACCUMULATIVE INCREASE IN ACRE-

1931.....	42,500	115,500	187,500	250,900	351,500	344,000
1932.....	51,700	57,800	210,700	132,500	368,700	212,300
1933.....	52,700	120,000	239,700	172,000	425,700	293,000
1934.....	22,740	121,500	137,100	176,600	277,400	250,300
Mean.....	42,400	103,700	193,800	183,000	355,800	274,900

* Revised.

† Estimated. No station at Lisco in 1931.

‡ Section not included in 1931 investigation.

**COMPARISON BETWEEN CORRECTED VISIBLE AND INVISIBLE
TIONS FOR IRRIGATION SEASONS MAY TO SEPTEMBER OF**

YEAR	WHALEN DAM TO STATE LINE		STATE LINE TO MITCHELL		MITCHELL TO MINATARE	
	Visible	Invisible	Visible	Invisible	Visible	Invisible
1931.....	23,220	34,200	53,300	53,600	80,500	42,700
1932.....	30,800	33,100	88,900	28,800	87,800	47,600
1933.....	31,000	46,600	105,000	22,200	98,000	68,200
1934.....	7,470	53,680	34,870	25,500	54,510	36,400
Mean.....	23,120	41,900	70,520	32,520	80,200	48,720

ACCUMULATIVE INCREASE IN ACRE-

1931.....	23,220	34,200	76,520	87,800	157,000	130,500
1932.....	30,800	33,100	119,700	61,900	207,500	109,500
1933.....	31,000	46,600	136,000	68,800	234,000	137,000
1934.....	7,470	53,680	42,340	79,180	96,850	115,600
Mean.....	23,120	41,900	93,640	74,420	173,800	123,200

* Estimated.

† Section not included in 1931 investigation.

**SUM OF MONTHLY VALUES) INCREASE BY SECTIONS FOR
IN SECTION (ACRE-FEET)**

MINATARE TO BRIDGEPORT		BRIDGEPORT TO LISCO		LISCO TO OSHKOSH		OSHKOSH TO NORTH PLATTE		NORTH PLATTE TO OVERTON	
Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible
258,200	99,300	25,700	†82,000	0	†82,000	80,500	9,800	†	†
236,000	47,800	19,100	54,100	0	65,500	65,800	158,000	5,020	900
246,000	82,400	20,900	117,000	0	90,700	64,000	222,000	4,520	70,100
171,200	75,950	15,020	60,140	0	97,160	52,250	59,920	1,600	-90,160
227,800	76,360	20,180	78,310	0	83,840	65,640	111,200	3,710	-6,390

FEET (INCLUDES SECTIONS UPSTREAM)

609,700	443,300	635,400	525,300	635,400	607,300	715,900	617,100	†	†
604,700	260,100	623,800	314,200	623,800	379,700	689,600	537,700	694,600	538,600
671,700	375,400	692,600	492,400	692,600	583,100	756,600	805,100	761,100	875,200
448,600	326,300	463,700	386,400	463,700	483,600	515,900	543,500	517,500	453,300
583,700	351,300	603,800	429,600	603,800	513,400	669,500	625,800	657,700	622,400

**(ALGEBRAIC SUM OF MONTHLY VALUES) INCREASE BY SEC-
1931-34. TOTAL INCREASE IN SECTIONS IN ACRE-FEET**

MINATARE TO BRIDGEPORT		BRIDGEPORT TO LISCO		LISCO TO OSHKOSH		OSHKOSH TO NORTH PLATTE		NORTH PLATTE TO OVERTON	
Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible	Visible	Invisible
114,700	49,000	9,050	*15,000	0	*15,000	35,860	23,100	†	†
125,000	32,600	8,130	28,000	0	25,900	35,200	99,700	2,400	42,100
128,000	47,700	8,980	51,600	0	21,300	33,100	146,000	2,460	33,400
58,600	20,170	5,250	27,540	0	5,160	22,950	21,560	305	-11,330
106,600	37,370	7,850	30,540	0	16,840	31,780	72,590	1,720	21,400

FEET (INCLUDES SECTIONS UPSTREAM)

271,700	179,500	280,800	194,500	280,800	209,500	316,600	232,600	.....	.....
332,500	142,100	340,600	170,100	340,600	196,000	375,800	295,700	378,200	337,800
362,000	184,700	371,000	236,300	371,000	257,600	404,100	403,600	406,500	437,000
155,400	135,800	160,700	163,300	160,700	168,400	183,600	190,000	184,000	178,700
280,400	160,500	288,300	191,000	288,300	207,900	320,000	280,500	322,900	317,800

Allowances should be made for differences in the amount and distribution of precipitation especially during the growing season, and also for the difference in irrigation water supply, when comparing the results of the investigation of increase in flow for different years.

Precipitation records at 7 United States Weather Bureau stations were used in compiling the following table which shows in a general way the conditions existing over the irrigated area.

COMPARISON OF PRECIPITATION OVER IRRIGATED AREA WITH NORMAL

U. S. WEATHER BUREAU STATION	NORMAL IN INCHES		PER CENT OF NORMAL							
			1930-31		1931-32		1932-33		1933-34	
	Twelve months	Apr. to Sept.	Twelve months	Apr. to Sept.	Twelve months	Apr. to Sept.	Twelve months	Apr. to Sept.	Twelve months	Apr. to Sept.
Torrington...	15.53	11.77	66	50	65	64	91	102	64	66
Scottsbluff...	16.06	12.16	60	43	99	90	95	103	71	74
Bridgeport...	16.58	12.69	73	58	82	84	71	79	51	48
Oshkosh.....	19.16	14.79	71	51	76	75	100	114	74	76
North Platte	18.39	14.54	83	44	96	104	94	103	76	81
Gothenburg..	22.29	17.15	102	59	84	76	85	92	60	63
Lexington....	22.58	17.12	92	62	110	110	99	106	*50	*49

* Total precipitation for February estimated.

River discharge was far below normal throughout the irrigated area during the irrigation seasons 1931-34 as shown by the following table. A 10-year mean based on 1923-32 was used rather than 1925-34 as it was believed that the former period excluding two of the low cycle years—the extremely low year 1934 especially—would give a fairer basis of comparison.

COMPARISON OF NORTH PLATTE AND PLATTE RIVER DISCHARGE MAY TO SEPTEMBER 1931, 1932, 1933, AND 1934 WITH 10-YEAR (1923-32) MEAN FOR MAY TO SEPTEMBER

STATION	10 YEAR MEAN (1923-32) (ACRE-FEET)	PER CENT OF 10 YEAR (1923-32) MEAN			
		1931	1932	1933	1934
Whalen*	1,430,000	75	92	96	32
Mitchell.....	667,000	20	32	52	5
Bridgeport.....	834,000	29	39	63	7
North Platte.....	926,500	21	36	69	9
Overton†.....	990,800	13	16	51	0.3

* Includes amount diverted by Interstate and Ft. Laramie Canals.

† No record available at Overton for 1924. Record for Lexington used for that year.

SECTION IV—CONCLUSIONS

During the irrigation season 1934 when the river discharge reached all time lows for the period of record at many stations, irrigation pumps were installed on several of the tributary streams. Most of the pumping was confined to the period between August 20 and

September 15. Although the effect on the discharge at the mouth of these streams was very pronounced in some instances during this short period, no corrections have been made in any of the tables.

Increase in flow, and especially that portion of the increase which is return from irrigation, is dependent upon the conditions of supply and demand of water which exist not only during the year for which the study is being made, but also upon those existing during a period of years preceding. Throughout the four years during which this cooperative investigation has been conducted, climatic conditions have been abnormal over the irrigated area, causing greater demands and greater evaporation losses, while climatic conditions over the drainage basin above the irrigated area, have resulted in subnormal supply.

Definite conclusions based on 4 year's record only, covering the present dry cycle, would no doubt be altered or proven incorrect by subsequent results. Many factors affecting the increase in flow of the North Platte River will not be well understood and appreciated until after the investigations have been carried through a period of years which includes normal conditions and also a wet cycle.

Results of the investigation thus far indicate that the greatest return flow per mile occurs in the sections between the State line and Bridgeport. A loss in addition to that of evaporation takes place in the section between North Platte and Overton, apparently, at least in extreme years like 1934. The gain in this section in 1933 was probably due to precipitation which was slightly above normal during the growing season. The gains between Lisco and North Platte have invariably been greater than the amount of water diverted in that division which suggests foreign groundwater from the sand hill region on the north of the valley.

**PWA CONSTRUCTION PROGRAM IN CONNECTION WITH
STREAM GAGING STATIONS**

The allotment of PWA funds to the Geological Survey for construction work in Nebraska, in connection with the cooperative stream gaging program, which has been carried on with Nebraska since 1931, has made it possible to construct substantial shelters, and install automatic water-stage recorders at the following stations:

White River near Chadron
North Platte River at North Platte
Platte River near Grand Island
Platte River near Duncan
Platte River near Ashland
Pumpkin Creek near Bridgeport
Blue Creek near Lewellen
Otter Creek near Lemoyne
Birdwood Creek near Hershey
Middle Loup River at St. Paul
North Loup River at St. Paul
Loup River at Columbus
Elkhorn River at Waterloo
North Fork Republican River at Colorado-Nebraska line

In addition, the FERA furnished labor for the installation of some of these shelters.

RESERVOIRS

BENNETT RESERVOIR—APPLICATIONS 657 AND 1975

Diverted from Lodgepole Creek

This is a channel reservoir on Lodgepole Creek two miles east of Kimball. It has a storage capacity of 960 acre-feet. During the spring of 1933, it was filled almost to capacity and storage was used during the irrigation season until a flood on Lodgepole Creek, which occurred on August 28, washed out a portion of the dam and spillway.

The dam was repaired during the winter, and the reservoir filled to about half its capacity before the irrigation season of 1934. All of the storage was used and the reservoir was almost dry on July 15.

We do not receive reports in regard to this reservoir, except occasional observations by hydrographers.

CRESCENT LAKE—APPLICATION 1575

Secs. 21-22, Twp. 22, Rge. 44 W.

Crescent Lake is a natural sand hill lake about twenty miles north of Oshkosh.

In 1920, an appropriation was granted to the Lake Water Carrying Company as a supplemental supply to the five natural flow rights on Blue Creek. A concrete headgate was constructed in 1921, and a canal about two miles in length built to carry water from Crescent Lake to Blue Creek.

On July 20, 1933, a hearing on petition for the approval of plans for the construction of a proposed new headgate under application 1575 was held before R. H. Willis, Chief of Bureau of Irrigation, Water Power and Drainage. An approval of plans of new headgate issued by the Department dated July 27, 1933, states that the floor of the new headgate is not to be more than four feet lower than that of the old headgate; that the appropriation is limited to 7,000 acre feet by virtue of application 1575 and the rate of withdrawal is not to exceed fifty second-feet.

We have not been able to obtain satisfactory records of withdrawal from storage due to the fact that daily gage heights have not been obtained on the outlet canal.

KILPATRICK RESERVOIR—APPLICATION 1108**Diverted from Frenchman River, Sec. 30, Twp. 6, Rgc. 39 W.**

The Kilpatrick Reservoir is located two miles west of Champion. It has a capacity of about 1,000 acre-feet, and receives water from the Frenchman River through a supply canal about two and one-half miles long.

The storage water is used as a supplementary supply for natural flow rights of the Champion Irrigation and Water Power Canal.

This reservoir was full at the beginning of the irrigation season in 1933. The storage was all used during this season, and land under the Champion Canal was short of water due to the fact that the direct flow diversion was closed during most of July and August to supply the Culbertson Canal, which has a senior right.

Practically the same conditions existed during the year 1934.

We do not receive reports from this project, except occasional reports by state hydrographers.

OLIVER RESERVOIR—APPLICATION 897**Diverted from Lodgepole Creek**

This is a channel reservoir on Lodgepole Creek eight miles west of Kimball. It has a capacity of 5,490 acre-feet.

The storage is used to supplement natural flow rights under the Kimball Irrigation District.

We have received occasional reports of storage and outflow during the last two years.

WHITNEY RESERVOIR—APPLICATION 1603**Diverted from White River**

This reservoir is located two miles west of Whitney. It has a capacity of 10,960 acre-feet.

Water is diverted from White River to the reservoir through a wood stave pipe line about five miles long. The storage is used to supplement natural flow rights under the Whitney Irrigation District.

We receive data in regard to storage in the reservoir, but have been unable to get definite information regarding withdrawal from storage.

OPINIONS AND FINDINGS

IN THE DISTRICT COURT OF DAWES COUNTY, NEBRASKA

In the Matter of Appropriation Docket No. 447, Ox Yoke Canal, Water Division No. 2-D, East Ash Creek.

DECREE NO. 6277

This 28th day of March, 1931, this cause came on for hearing to the Court, Honorable E. L. Meyer, Judge, presiding, upon the original petition and answer and written objections filed before the Department of Public Works, which are contained in the record from the Department herein filed, and the order heretofore on the 11th day of January, 1932, entered herein, and the pleadings, objections and appearances herein, the appellants Mose Neusbaum, C. A. Minick as Administrator of the Estate of Henry B. Tomlin, deceased, and the heirs, and Lewis E. Sprague, and others, Executors of the Will of Henry H. Sprague, Deceased, appearing by Allen G. Fisher, Esq., and Charles A. Fisher, Esq., their attorneys, and appellees Myrtle L. Ivins, and John Stumph appearing by J. E. Porter, Esq., their attorney, the case proceeds until 5:30 P. M. when court is adjourned to the 29th day of March, 1932, at 9:00 A. M., and the court having reconvened on the 29th day of March, 1932, at 9:00 A. M. pursuant to said adjournment, the trial proceeded, and the court having heard the testimony and arguments of counsel aforesaid, takes the matter under advisement.

And now on this 17th day of June, 1932, it being one of the days of the regular March term, 1932, of this Court, the same Judge presiding, the court having considered the evidence and arguments of counsel aforesaid, and being fully advised in the premises does overrule the appearance in the limine of and objections to jurisdiction interposed by Lewis E. Sprague, Arthur W. Sprague, and Henry Harrison Sprague, Executors of the Last Will and Testament of Henry H. Sprague, deceased, and Sarah E. Sprague, Widow, and Maretta Phillips, with said Executors comprising the heirs at law and devisees of said Henry H. Sprague, deceased, and finds generally in favor of appellees and against the appellants, and that the water under the appropriation heretofore allowed by the State Board of Irrigation through the State Engineer, and by the Department of Public Works, under said Docket No. 447, Water Division No. 2-D, known as Ox Yoke Canal, from East Ash Creek, with a priority date of May 31, 1880, has been used and is being used for the beneficial and useful purposes for which appropriated and allowed, and that neither the said appropriation nor any part thereof is subject to cancellation, an-

nullment or forfeiture, and should not be forfeited, cancelled or annulled for non-use or otherwise.

IT IS THEREFORE ORDERED, ADJUDGED, CONSIDERED AND DECREED BY THE COURT that no part of the water appropriation as heretofore allowed and adjudicated by the State Board of Irrigation through the State Engineer, and by the Department of Public Works of the State of Nebraska, under Docket No. 447, Water Division No. 2-D, known as Ox Yoke Canal, from East Ash Creek, should be or is forfeited, cancelled, or annulled, and that appellants pay the costs herein, taxed at \$.....

To which findings and judgment appellants each for himself and herself except.

E. L. MEYER,
Judge

IN THE DISTRICT COURT OF SCOTTS BLUFF COUNTY, NEBRASKA

The State of Nebraska
ex rel C. A. Sorensen,
Attorney General,
Plaintiff,

vs.

The Mitchell Irrigation
District,
Defendant,
Farmers Irrigation District,
Intervener and Cross-
Petitioner.

FINDINGS OF THE COURT

This case presents two controversies, one between the plaintiff and defendant, and the other between intervener and defendant. The first is an action by the State of Nebraska to place defendant under the jurisdiction and control of the department of irrigation. There is in my judgment no plausible and reasonable defense to this action. The only defense urged is that the waters for the Mitchell Irrigation District are taken out of the North Platte river in the state of Wyoming about a half mile west of the boundary line between the two states. No Wyoming lands are irrigated by this water. Defendant argues from this circumstance that Wyoming authorities only have jurisdiction; that immediately on defendant taking possession of the waters at the head gate in Wyoming they become the private property of the district; furthermore that Wyoming authorities have full control of the head gate and that Nebraska courts can not give Nebraska authorities the right or power to go across the state line to

regulate the head gate and that if Nebraska authorities cannot regulate the head gate it can do nothing. If these waters were like wild catfish in the river, *ferae naturae*, there would be much in defendant's contention. Or if we had in mind the case of a man going down to the river and capturing a bucket full of water for domestic use defendant might be right in its contentions. In the first case if the fish was caught even a yard over the Nebraska line in Wyoming it would be a matter exclusively for the Wyoming courts and it would be necessary for the disciple of Izaak Walton to have a Wyoming license; his Nebraska license would not protect him and the fact that he was a resident of Nebraska and brought the fish over the line for use in Nebraska would not make him amenable to Nebraska's fishing laws. Wyoming laws as to the number of the catch and all other regulatory provisions of the Wyoming law would govern. And if there were any regulations in regard to taking water for domestic use the laws of Wyoming would likewise control because as soon as the man referred to got his bucket of water it would be his private property. I do not apprehend that any of these circumstances are applicable to the running water of the North Platte river even though it was deflected out of its natural bed into defendant's canal. It is still public water for use by the public. Art. 63, Ch. 81, C. S. 1929. The minute it comes across the boundary line whether in the bed of the stream or in defendant's canal it comes under the jurisdiction of Nebraska authorities. As was well said by counsel Wyoming was through with these waters and they were on their way out of the state when defendant took possession of them not for any Wyoming use, such as would have been the case if a power plant had been erected at the same point to furnish power to Wyoming mills and to light Wyoming cities, but defendant took possession of them for the sole purpose of conveying them to Nebraska to be used in irrigating Nebraska farms. Wyoming authorities may of course regulate the head gate. Presumably it will do so for the benefit of the Wyoming users above the Mitchell head gate. If in doing so it trespasses upon the right of Nebraska users there are courts which have jurisdiction of the controversy that may arise. A suit has already been filed in the Supreme Court of the United States for that purpose. But the accidental circumstances that these waters are diverted out of the North Platte river in Wyoming should not and does not prevent the Nebraska authorities from exercising the same jurisdiction and control over the Mitchell District that it exercises over other districts. It is of course fundamental law that in doing so it cannot cross over the state line. It does not seem necessary for it to do so. Defendant is a Nebraska corporation; and the res, the waters, have entered the state. Nebraska can take control of them when they enter the state and divert them back into the bed of the river if such course is

necessary. It can also act in personam on defendant district and its officers. It can also go into the courts of Wyoming where under the rules of comity this decree can be enforced. The finding on this branch of the case is for the plaintiff and a decree may be drawn as comprehensive as necessary, granting the prayer of plaintiff's petition and putting this district completely under the jurisdiction of the state and giving the state authorities plenary powers to the full extent given by the statute.

The controversy between the defendant and the intervener presents a more difficult and of course a much more important problem. Undoubtedly especially in dry years a priority of water rights is of tremendous importance. One cannot help but approach the solution of this question with a deep sense of responsibility and with a feeling of trepidation. It is one of those cases where one is thankful that there is a Supreme Court to review and correct any mistake the District Court may make. One who has himself been brought up on a farm and who went through the drought years of 1893 and 1894 when whole communities were praying for rain and stood helplessly by while their crops which was their life sustenance shriveled up and were destroyed cannot render a decision which may deprive thousands of acres and hundreds of farms of an adequate supply of water without the most serious feelings. However the law commits that duty to the courts. It has already been established that priority in time is priority in right. The fact that vast interests are at stake, that thousands may be disastrously affected does not change the legal principles which govern. A case involving small interests and comparatively unimportant may present legal questions of more difficulty. Yet when large property interests and the fate of many rest on the outcome the courts naturally proceed with much greater caution and examine into the laws with much greater care.

I do not subscribe to the doctrine that the District Court of Scotts Bluff county does not have jurisdiction of this controversy. This case in its simplest form is nothing more than a controversy between defendant and intervener concerning which has the prior right to the water. Defendant emphasized the difficulty of enforcing a decree if one is rendered but I do not believe there will be very much difficulty along this line. While it is true as said above that Nebraska authorities cannot regulate the head gate, yet if a decree is entered in favor of intervener and establishing that it has the prior right such decree can be enforced either in personam or by taking direct possession of the waters. Defendant adverted to disadvantages that would accrue to it with reference to appropriators above the river from it. I do not doubt that the suit now pending before the Supreme Court of the United States will eliminate most of these difficulties.

That suit will establish the proportionate amount of water each state is entitled to. The fact that all the users of water from the North Platte valley are not before the court cannot deprive the court of the right to decide between the two who are before the court.

Therefore I feel and hold that the court has jurisdiction. The claim that the suit in the United States Supreme Court supersedes the District Court of Scotts Bluff county in this case is, in my judgment, without merit. An examination of the bill in that case discloses that while it asks the court to determine priorities, such will be done as was said by counsel during the oral argument, simply for the purpose of totaling all priorities in Wyoming against the totals in Nebraska for administrative purposes by the irrigation departments in the two states. The states themselves and not the respective parties are before the court in that case. I doubt if the Supreme Court of the United States in that case will decide between the conflicting claims of defendant and intervener or even permit them to intervene in that case. It seems to me more likely that if they ask to intervene that the Supreme Court would direct defendant and intervener to settle their rights in a suit between themselves especially in view of the fact that these waters are Nebraska waters being waters that are on their way out of Wyoming, not claimed by Wyoming, and not considered in the suit before the United States Supreme Court as Wyoming but as Nebraska waters.

We then come to the very important question as to the prior right to these waters. The first important question presented in this connection relates to the plea of res judicata on account of the case of Enterprise Irrigation District v. Tri-State Land Company, reported in 92 Nebr. 121, 138 N. W. 171. This plea and the various arguments and claims made pertaining to it require a careful and critical examination of the pleadings, decree, briefs, opinion and mandate in the Enterprise case. Let me say before taking up a discussion of that case that if the matter were presented now as an original proposition one might feel pretty strongly that Judge Hobart's decision was right especially in view of the second point in the syllabus in Kearney etc. Co. v. Alfalfa Irr. Dist., 97 Nebr. 139, 149, N. W. 363.

However, Judge Hobart's decision was reversed in the Enterprise case and if that case is res judicata of the present case or if the principle of stare decisis is applicable then the courts and parties are alike bound and the rights of the parties having been determined by the former adjudication remain as so fixed.

Turning now to an examination of the Enterprise case. Judge Letton says at the very beginning of his long opinion that "When the issues were finally made up, it appeared that plaintiff and each of

the defendants except the Tri-State Land Company and the Farmers Mutual Canal Company were interested in having the prayer of the petition granted, and that practically the same relief is sought by each of them against the two defendants named.....Through-out the opinion, therefore, for convenience, the two latter named companies will be designated as defendants and all the other parties as plaintiffs.”

There was therefore in the Supreme Court a direct controversy between the defendant and cross-petitioner in that case, Mitchell Irrigation District and defendant Tri-State Land Company, the predecessor of intervener. Simplifying the matter by eliminating all the other parties we have a case in which Mitchell Irrigation District was plaintiff and Tri-State Land Company defendant, in which plaintiff after a statement of the facts upon which it relied sought the following relief as appears from the prayer of its cross-petition, to-wit:

“WHEREFORE this cross petitioner prays:

1st: That a decree be entered herein determining and adjudicating the respective amounts of water that the parties to this action have acquired a right to appropriate from said river and the relative rights of appropriation.

2nd: That it be adjudged and decreed that this cross petitioner has acquired a right of appropriation from the North Platte River to the extent of 240 cubic feet of water per second of time continuously flowing during each and every irrigation season with a priority dating from the 20th day of June, 1890; that said right is prior to the right of appropriation of the Farmers Mutual Canal Company and its grantors with the exception of 28 cubic feet of water per second of time, and that the title to said right of appropriation of this cross petitioner be quitted and confirmed in this cross petitioner as against all the parties to this action and to each of them, and that the cloud cast on this cross-petitioner's title by reason of the opinion of the Secretary of the State Board of Irrigation and the resolution of said Board confirming said opinion be removed.” The defendant in the same case did not file a cross-petition or pray for any relief.

The trial court dismissed the cross-petition of the Mitchell Irrigation District on the ground that it did not have jurisdiction of the subject matter because the head gate of its canal was in Wyoming and also found against the contentions of the Tri-State Land Company except as to the 28 second feet of water and enjoined all the parties including the Mitchell Irrigation District from interfering with its right to that much water. Following the course of the case in the Supreme Court: The Tri-State Land Company appealed to the Supreme Court

and the Mitchell Irrigation District (and many others) were taken to the Supreme Court as appellees. The Mitchell Irrigation District attempted to take a cross-appeal and in my judgment did so. No question was ever raised at the time as to the validity of its cross-appeal. It was designated both as appellee and as cross-appellant in the Supreme Court. I do not believe that the failure of appellee to file its praecipe in the time designated by the rules was jurisdictional or fatal to its appeal. In any event it was before the court as an appellee. Furthermore it seems to me that it is estopped at this time and after appearing in the Supreme Court in the capacity of cross-appellant and demanding relief as a cross-appellant to now say that the court never acquired jurisdiction to determine its cross-appeal.

We then have these two parties before the Supreme Court, the appellant Tri-State Land Company and the appellee and cross-appellant demanding the relief quoted above from the prayer of its answer and cross-petition. The Supreme Court without discussing the correctness of Judge Hobart's holding that the court did not have jurisdiction of the subject matter of cross-appellant's cross-petition and without dismissing the cross-appeal in so many words, sustained the appeal and contentions of the Tri-State Land Company, found that it was entitled to 1142 second feet instead of 28 only with priority dating from September 16, 1887. This in my judgment amounted to a dismissal with prejudice of the cross-petition of the Mitchell Irrigation District and a finding that even as against it the Tri-State Land Company had priority to 1142 second feet. If we stopped here we could not escape I believe from the conclusion that the rights of the Mitchell District and Tri-State Land Company were finally adjudicated in the Enterprise case and that the priority of the latter company was forever established. This was evidently the opinion of the plaintiff and cross-petitioner also as appears from an examination of their motion and brief for re-hearing and by the fact that they applied for a writ of error to the Supreme Court of the United States. That court also indicates that the decision and opinion of the State Supreme Court was final adjudication of the respective rights of the parties. See Enterprise Irrigation District vs. Farmers Mutual Canal Company, 243 U. S. 157, 37 Sup. Ct. Rep. 318. However the statement in the opinion of the Supreme Court of the United States that "all parties to this suit, or their predecessors in interest appeared before the secretary of the board, at the times and places indicated in the notice, and presented such evidence as they deemed appropriate in support of their respective claims" does not apply to the Mitchell District since it did not appear before the secretary. Furthermore the Supreme Court of the United States dismissed the appeal for want of jurisdiction, on the ground that two questions were presented, one Federal and the other, the estoppel, non-Federal, that the non-Federal question, the estoppel,

was sufficient alone to sustain the action of the Nebraska Supreme Court, that it could not examine the correctness of the holding on that question since it presented no Federal question that there was therefore no occasion to examine the Federal question since sustaining plaintiffs in error's contentions with reference thereto would not affect the result. It therefore held that it did not have jurisdiction of the controversy and dismissed the writ of error.

Turning again to our examination of the case in our own Supreme Court it appears that defendant complained in its cross-appeal to the Enterprise case that the effect of the decree in the District Court taken as a whole was to deny that the Mitchell Irrigation District had any right of appropriation at all as against any of the other parties to the action since it decreed a distribution of all of the water of the stream to the other parties to the action and enjoined the Mitchell District from doing any act or thing to interfere with such order of distribution although it was admitted throughout the case that its rights were senior to several of its co-defendants. The District Court however did find that the Mitchell District did post notice at the point of diversion on June 20, 1890, and found the other facts pertaining to the Mitchell District. The Supreme Court makes no mention in its opinion or mandate of the cross-appeal of the Mitchell District and evidently did not determine directly the point raised by it. The court seems to have become completely engrossed in its examination of the claim of the Tri-State Land Company that its right was 1142 second feet instead of 28 second feet. I would take the decision of the Supreme Court to establish that the Tri-State had the right to 1142 second feet as against all the other parties in the case. The claim of the Mitchell District in its cross-appeal that its priority was never determined and that it was enjoined in favor of appropriators with junior rights seems to have escaped the attention of the court in its examination of the other questions involved. But inasmuch as the Supreme Court reversed the case as to the defendant Tri-State Land Company which was not a cross-petitioner and dismissed the action the effect was to wipe out the entire decree of the District Court and to establish but one thing in my judgment, viz: that the Tri-State Land Company had a priority to 1142 second feet of water dating from September 16, 1887, as against all the other parties to the action. The Supreme Court refused to determine the controversy as between plaintiff and the various cross-petitioners but dismissed without prejudice as to such controversies if any existed. Therefore although the cross-appeal of the Mitchell District was not directly determined the obnoxious injunction about which it complained in its brief in the Supreme Court was dissolved. And as I understand it its priority as of June 20, 1890, has never been questioned, nor its relation to any of the other appropriators except only the claim made in this suit by

intervener to the effect that intervener has an appropriation of 1142 second feet dating from September 16, 1887. It would seem that in a matter of such vital importance specific mention would have been made either in the opinion, the mandate or in the judgment entered in the District Court pursuant to the mandate. Furthermore there is language in Judge Letton's opinion in the Enterprise case which does not apply to the Mitchell Company and which might indicate that the rights of Mitchell Company were not considered by the Supreme Court. In view of such language one might hesitate to find that the conflicting rights of the defendant and intervener were finally determined in the Enterprise case. However, in spite of these statements in the opinion it seems almost certain that the claims of the Mitchell Irrigation District were considered by the Supreme Court and that the Supreme Court placed it in the same category with reference to intervener's claim as the plaintiff and other cross-petitioners. It seems almost certain that if it did not do so it would have so stated some place in the course of the opinion or would have dismissed the Mitchell District's cross-appeal without prejudice or if it did not consider that it had jurisdiction over the subject matter of the action in so far as it pertained to the Mitchell District's cross-petition that it would have so stated and dismissed its cross-appeal and cross-petition on that ground. If it intended to place the Mitchell Irrigation District in a different category on account of its claim never having been adjudicated by the state board of irrigation it certainly would have said so especially on the filing of the motion for re-hearing. In such case it seems certain that none of the costs would have been taxed against the Mitchell District whereas the fact is that the costs in the Supreme Court were taxed against all of the parties referred to by Judge Letton as plaintiffs.

But even if one might hesitate to hold on this record that the priorities between defendant and intervener were not finally determined in the Enterprise case there is another principle, that of *stare decisis*, which it seems to me, determines the case against defendant. "*Stare decisis*" is a name given to the doctrine that, when the court has once laid down a principle of law as applicable to a certain state of facts, it will adhere to that principle, and apply it to all future cases where the facts are substantially the same." *Moore v. City of Albany*, 98 N. Y. 396, 410; *Hart v. Metropolitan St. Ry. Co.*, 72 N. Y. Supp. 797, 65 App. Div. 493."

The advancement of a new argument not presented or considered in the original case does not prevent application of the principal of *stare decisis* unless the original decision was legally indefensible and palpably wrong. *Hall v. City of Madison*, 107 N. W. (Wis.) 31.

In *Hill v. Atlantic and N. C. R. Co.* 9 L. R. A. N. S. (N. C.) 606

it was held that: "A judicial interpretation of the words in a railroad charter permitting the corporation to 'farm out' the right of transportation is *stare decisis*, and binding in a subsequent case, although the latter is between different parties."

"The rule of '*stare decisis*' applies with special force to an opinion prescribing rules for the location of survey lines, handed down several years ago, as it must be presumed that since it was delivered, many surveys have been made, grants issued, and title confirmed under its authority and it has thus become a part of the practical construction of many thousands of grants and conveyances." *Morgan v. Renfro* 99 S. W. 311, 314, 124 Ky. 314.

"*Res Adjudicata* binds parties and privies; while *stare decisis* governs the decision of the same question in the same way in an action between strangers to the record." *Marguerita Coal Co. v. Meadow River Lumber Co.*, 127 S. E. 644, 98 W. Vs. 898.

A case more illustrative as to facts is *City of Buffalo v. Erie R. Co.*, 144 N. Y. S. 578, 83 Misc. Rep. 144, wherein it was said:

"In a city's action against a railroad to enjoin its exclusive use of a strip of land intersecting a number of streets, and to establish a public right of crossing, where the controlling facts were the same as in a previous action in respect to only one of such streets, wherein it was determined that the city had no right of crossing, the doctrine of *stare decisis* applied, and the defendant was entitled to its benefit; the doctrine being that, when a court had once laid down a principle of law as applicable to a certain state of facts, it will adhere to that principle and apply it to all future cases where the facts are substantially the same, as making for the certainty and stability of the law."

I see no reason why the principle is not decisive of the case before me. In most cases the principle of *stare decisis* is applied to controversies where the parties to the former adjudication are different than in the case then before the court and where the facts are similar but not identical. Here the exact facts with regard to intervenor's claimed priority were before the Supreme Court in *Farmers Irr. Dist. v. Frank*, 72 Nebr. 136, 100 N. W. 286 and in *Enterprise Irr. Dist. v. Tri-State Land Company*, 92 Nebr. 121, 138 N. W. 170. In the *Frank* case the controversy was between William Frank who had attempted to perfect an appropriation and establish an irrigation district covering a part of intervenor's present district. The facts upon which intervenor now relies were before the court in that case and fully sustained by the court and intervenor's priority established as of September 16, 1887. In the *Enterprise* case intervenor's claims were again before the court and in an opinion covering many pages were sustained by the court. It is true that in the *Frank* case a situation similar to that occupied by the Mitchell District was not before the

court but the court did hold that the long delay in the prosecution of intervener's works did not divest it of its priority. The same facts were before the court that are now relied upon by the Mitchell District to divest defendant in this case of its priority as against the Mitchell District. And if the Supreme Court held that such facts did not destroy its rights as against Frank how could it hold that they destroyed its rights as to the Mitchell District? In the Enterprise case the same parties or their privies were before the court as are here before the court. Even if it should be held that the Mitchell District was not bound by the adjudication by reason of the principle of res judicata yet the same claims were then urged to destroy intervener's priority that are here urged and that were urged in the Frank case. Nevertheless the court held that intervener had a priority dating from September 16, 1887, for 1142 second feet of water. There is nothing in my judgment which places the Mitchell District in a better situation than that of the plaintiff and various cross-petitioners in the Enterprise case. It is true that it had not come before the state board of irrigation and sought to establish its claim. This fact is not in my judgment of any importance. If it had appeared and if its claim had been established in accordance with its present contentions as it probably would have been it would still date only from June 20, 1890. Intervener's priority would still date from September 16, 1887. It is the date of priority of intervener's appropriation which was established by the State Board, the Frank case, and the Enterprise case. Such date of priority stood in face of the facts urged against it in the two former opinions referred to. If the Mitchell District claimed an earlier appropriation than September 16, 1887, there would be something before the court that has not been determined but since intervener's appropriation stands as of that date and has stood as against two prior assaults and since the Mitchell District does not claim an earlier but a later date it would seem futile for me to try to override the Supreme Court by holding that regardless of the holdings in the Frank case and the Enterprise case, nevertheless the long delay in completing its works, destroyed intervener's priority so that it is not valid as to the Mitchell District.

I will now refer to several other contentions made by defendant. It contends that the rights of the parties were fixed when the 1889 law was passed, that intervener lost any advantages accruing prior to the 1889 law by failing to proceed unless interrupted by "snow or rain." That it was required to proceed under the 1889 law within 90 days which it failed to do. The answer to these contentions is that all these matters were involved in the Enterprise case and settled adversely to defendant.

In regard to defendant's contention that there was no controversy between the defendant and intervener in the Supreme Court in the

Enterprise case I think that a reference to the prayer of defendant's cross-petition above quoted disposes of that contention. It is true as counsel stated that if the Supreme Court held that the findings of the state board were valid then the injunction about which defendant was complaining in the Enterprise case had to be vacated and counsel go on to say that there was therefore no necessity for any finding as to the Mitchell District and that there was no reference to the cross-appeal in the opinion and it was not considered. It is true that there was no reference to the cross-appeal in the opinion, but it does not seem possible that the Supreme Court found that intervener had a priority to 1142 second feet dating from September 16, 1887, without finding against the contentions of the Mitchell District one of which was that although it had posted its notices several years later, viz: one, June 20, 1890, nevertheless it was prior to intervener on account of intervener's delay, non-user and other facts set forth in its cross-petition, which were discussed by the Supreme Court and held not to destroy the priority of intervener, at least as to the plaintiff and other cross-petitioners who were making the same claim. While the Supreme Court does not refer specifically to the Mitchell District's claim it established intervener's priority to 1142 second feet of water as of September 16, 1887, and it could hardly have done so without disposing of defendant's contention in the Enterprise case that although defendant had made its postings on June 20, 1890, and had a priority from that date only, yet it was "prior to the rights of appropriation of the Farmers Mutual Canal Company and its grantors with the exception of 28 cubic feet of water per second of time," because of the facts referred to in its cross-petition in the Enterprise case and discussed at great length in Judge Letton's opinion.

Defendant criticizes the doctrine of estoppel as announced in the Enterprise case and it seems to me that such criticism is well taken but that does not prevent it from being the law of the case. Courts are not perfect and opinions are rendered from time to time that seem on further consideration to be illogical and even unjust but that is a weakness that is inherent in the administration of all human affairs. Defendant further contends that it has acquired rights by prescription since the decision in the Enterprise case. It does not seem to me that the evidence established that such is the case. A similar contention and based on similar facts was made in *Masterson vs. Kennard*, 12 Pac. (2nd) 560. However the Oregon court held that there was no adverse user and a careful reading of the opinion convinces me that as to this point the Oregon court was right, and I believe the case establishes a precedent that should be and will be followed in Nebraska.

Counsel calls attention to the provision in paragraph 11 of the Warren Contract to the effect that intervener accepts the storage

water "in full satisfaction of all its rights to the water of the North Platte River, both natural flow and surplus storage." As suggested by counsel for intervener defendant is not a party to the Warren Contract and cannot therefore take advantage of it, and he makes the further suggestion that it has never been construed between the parties to it as binding intervener to take the storage waters in lieu or in full of natural flow.

Other contentions were of course made in the long and able arguments but I think the answer to them is contained in what has already been said or at least are disposed of by what has been said. In any event it has been my purpose to consider all the arguments made by defendant and I do not believe there are any of importance that I have failed to consider although it may be that I have failed to mention them.

It therefore seems necessary for me to find and hold generally in favor of intervener and a decree may be drawn to that effect. Counsel having announced in open court that a decree establishing intervener's priority to 905 second feet including storage water will be satisfactory the decree may limit its priority to that amount. In my judgment separate decrees should be drawn, one in the controversy between plaintiff and defendant, and one in the controversy between intervener and defendant.

Dated this 8th day of November, 1934.

Respectfully submitted,

LOUIS LIGHTNER,

District Judge.

IN THE DISTRICT COURT OF SCOTTS BLUFF COUNTY, NEBRASKA

The State of Nebraska,
ex rel C. A. Sorensen,
Attorney General,

Plaintiff,

vs.

Mitchell Irrigation District,
a Corporation,

Defendant

Farmers Irrigation District,
Intervener.

JOURNAL ENTRY

NOW, on this 13th day of December, 1934, this cause, having heretofore been tried and submitted to the Court and taken under ad-

visement, came on for decision on the pleadings and issues joined between the Intervener and cross-petitioner, Farmers Irrigation District, and the Defendant, Mitchell Irrigation District, and the evidence, and the Court being fully advised in the premises finds generally for the Intervener and Cross-petitioner, Farmers Irrigation District, and against the Defendant, Mitchell Irrigation District, and that the allegations of the Amended and Supplemental Cross-petition of the Farmers Irrigation District are true; and that the prayer of said cross-petitioner should be granted.

WHEREFORE, IT IS CONSIDERED, ORDERED AND ADJUDGED by the Court that the appropriation of water from the North Platte River now owned and held by the cross-petitioner, Farmers Irrigation District, and known as Docket No. 918 on the records of the former Department of Public Works of the State of Nebraska, now known as the Department of Roads and Irrigation of said state, be, and the same hereby is, adjudged and decreed as a valid and subsisting appropriation for the amount of 905 cubic feet of water per second of time, with a priority date of September 16, 1887.

IT IS FURTHER CONSIDERED, ORDERED AND ADJUDGED that said appropriation of said Farmers Irrigation District is prior in time and right to any appropriation the defendant, Mitchell Irrigation District, may have, or claim to have, and that said cross-petitioner, Farmers Irrigation District, is entitled to and has the right to divert and use said water at said rate of diversion, prior and in preference to the right of defendant to divert and use any water from said North Platte River.

IT IS FURTHER CONSIDERED, ORDERED AND ADJUDGED that the right of cross-petitioner to the prior use of 905 cubic feet of water from the North Platte River as against the Mitchell Irrigation District be, and the same hereby is, quieted and confirmed in cross-petitioner.

IT IS FURTHER CONSIDERED, ORDERED AND ADJUDGED that defendant, Mitchell Irrigation District, has no right to the use of storage water flowing in said river which shall be released from the Pathfinder or Guernsey Reservoirs constructed in said river for the purpose of supplying 52 cubic feet of water per second of time under cross-petitioner's appropriation known on the records of the Department of Roads and Irrigation, aforesaid, as Docket (Application) No. 660 and having a priority date of April 14, 1902.

IT IS FURTHER CONSIDERED, ORDERED AND ADJUDGED that the defendant, Mitchell Irrigation District, its officers, agents, employees, successors and assigns be, and hereby are, perpetually enjoined:

1. From diverting any water from the North Platte River into said defendant's canal, by or through its headgate and diversion works or otherwise;

2. From conducting any water through its said canal into the State of Nebraska and delivering such water through its canals, laterals or irrigation system to any landowner, or landowners, within its said district for use in the irrigation of their said land; and

3. From permitting any water from said river to be diverted from said river into its canal or conducted through its canal or laterals for the purpose of irrigating any of the lands within said district during any irrigation season, to wit, from May 1st to October 1st of each and every year hereafter, and also during the time of any extension of such irrigation seasons by action of the water users under cross-petitioner's ditch, as provided by Sec. 46-609, compiled Statutes of 1929;

Provided, however, at such times, and for such periods of time as there is at least 905 cubic feet of water per second of time flowing in the river past the defendant Mitchell Irrigation District's headgate and diversion works, together with a sufficient quantity in addition thereto to supply cross-petitioner at its headgate and diversion works with the full amount of 905 cubic feet per second of time under its appropriation known as Docket 918, as aforesaid, and having a priority date of September 16, 1887, defendant may divert and use water so long as it does not interfere with cross-petitioner's right as herein found.

Provided further that at such times as the Department of Roads and Irrigation of the State of Nebraska, acting through its duly constituted officers, shall determine that cross-petitioner and the landowners within cross-petitioner's district, or whose lands are irrigated from cross-petitioner's canal, are unable to make beneficial use of said quantity of water, or some part thereof, said department may, following such determination, authorize the defendant to divert and use water, and the diversion and use of water by said defendant with the express authority of the Department of Roads and Irrigation, or its duly constituted officers, under the conditions named shall not constitute a violation of the foregoing part of this injunction.

IT IS FURTHER CONSIDERED, ORDERED AND ADJUDGED that defendant, Mitchell Irrigation District, its officers, agents, employees, successors and assigns be perpetually enjoined from diverting from said river into its canal or from conducting through its canal or from permitting to be used on lands within its district any storage water released from Pathfinder or Guernsey reservoirs for the purpose

of supplying or supplementing cross-petitioner's, Farmers Irrigation District, appropriation, known as Docket (Application) No. 660 on the records of the Department of Roads and Irrigation of the State of Nebraska, and having priority date of April 14, 1902.

IT IS FURTHER CONSIDERED, ORDERED AND ADJUDGED that the terms of this decree are intended to control the rights of the cross-petitioner and the defendant as between themselves; and it is further ordered, adjudged and decreed that all of the rights of the defendant to divert, receive and use water shall be governed and controlled in all respects other than in relation to cross-petitioner, by the decree entered in this cause, of even date herewith, in relation to the controversy as between plaintiff and defendant.

IT IS FURTHER CONSIDERED, ORDERED AND ADJUDGED that the application of the defendant, Mitchell Irrigation District, made in open court upon the rendition of this decree for an order permitting the defendant to supersede the decree of this Court in this cause, and to fix the amount, terms and conditions of a supersedeas bond be, and the same hereby is, denied. Request for special findings except as they were made in written opinion of court filed November 9th, 1934, overruled. Defendants except. All costs taxed to defendant.

BY THE COURT:

LOUIS LIGHTNER,
Judge.

IN THE DISTRICT COURT OF DAWSON COUNTY, NEBRASKA

The State of Nebraska, ex
rel., Assad Maloley, et al.,
Relators,

vs.

Dawson County Irrigation
Company, a Corporation,
Respondent.

Department of Roads and
Irrigation of the State of ..
Nebraska,

Intervenor.

JOURNAL ENTRY

And now on this 24th day of May, 1934, that being one of the days of the regular May, 1934 term of the District Court in and for Dawson County, Nebraska, the above entitled cause came on for trial to the Court upon the petition of the relators, the answer of the respondent, the petition in intervention of the intervenor and the answer of the relators to the petition in intervention, and all parties being present in Court by their attorneys, the taking of evidence is

commenced and is concluded and all parties rest, and said cause is argued to the Court by counsel for the respective parties and said cause is submitted to the Court. On consideration whereof, the Court finds generally in favor of the relators and against the respondent and against the intervenor. The Court further finds that the land described in the petition is all within Water Appropriation Docket No. 622, having a priority date of June 26, 1894, as adjudicated by the State Board of Irrigation on March 4, 1897. The Court further finds that the lands described in the petition were included within the Claim Affidavit No. 183 filed by the Farmers and Merchants Irrigation Company, claimant, pursuant to the order of the State Board of Irrigation and the provisions of the irrigation act of 1895. That in adjudicating said claim, the State Board of Irrigation, as shown by the opinion of W. R. Akers, State Engineer, of date March 4, 1897, allowed the claim without exception and adjudicated that the lands described in the petition were within said Water Appropriation Docket No. 622 and that the fact that said lands described in the petition were not specifically described in Paragraph 9 of said opinion of W. R. Akers, State Engineer, entered March 4, 1897, did not amount to an exclusion of said lands from said appropriation or an adjudication that said lands were not within said appropriation. The Court further finds that the said lands described in the petition are in fact within said Water Appropriation Docket No. 622, having a priority date of June 26, 1894, and are entitled to receive water under said priority date and that the relators are entitled to receive water for irrigation purposes from the canals of the respondent for the lands described in the petition on the same basis that other lands described in the petition on the same basis that other lands under said Water Appropriation Docket No. 622 receive water and without any discrimination against relators' said lands. The Court further finds that a peremptory writ of mandamus should issue herein forthwith directed to the respondent, Dawson County Irrigation Company, commanding the respondent to furnish water for irrigation purposes to the following described lands, to-wit: The Southeast Quarter of Section 8, the Northeast Quarter of Section 8, all that part of Section 17 lying north of the Union Pacific Railroad, the east 160 acres of the north 226.32 acres of Section 16, the Southeast Quarter of Section 6, the east 120 acres of the Southeast Quarter of Section 9, and the Southwest Quarter of Section 8, and all in township 9 North, Range 20, West, and the Northeast Quarter of Section 20, in Township 10 North, Range 20, West, and all said land being in Dawson County, Nebraska; said water to be furnished under water Appropriation Docket No. 622, having a priority date of June 26, 1894, and when water is available in said canal for use upon lands under said Water Appropriation Docket No. 622, upon payment to respondent of the proper fees and charges therefor, and that no discrim-

ination be made in the furnishing of water between the said lands above described and other lands under said Water Appropriation Docket No. 622, having a priority date of June 26, 1894.

IT IS, THEREFORE, CONSIDERED AND ADJUDGED BY THE COURT that a peremptory writ of mandamus issue against the said Dawson County Irrigation Company, respondent, commanding it to furnish water for Irrigation purposes to the following described lands, to-wit: The Southeast Quarter of Section 8, the Northeast Quarter of Section 8, all that part of Section 17 lying north of the Union Pacific Railroad, the east 160 acres of the north 226.32 acres of Section 16, the Southeast Quarter of Section 6, the east 120 acres of the north 226.32 acres of Section 16, the Southeast Quarter of Section 6, the east 120 acres of the Southeast Quarter of Section 9, and the Southwest Quarter of Section 8, and all in Township 9 North, Range 20, West, and the Northeast Quarter of Section 20, in Township 10 North, Range 20, West, and all said land being in Dawson County, Nebraska; said water to be furnished under Water Appropriation Docket No. 622, having a priority date of June 26, 1894, and when water is available in said canal for use upon lands under said Water Appropriation Docket No. 622, upon payment to respondent of the proper fees and charges therefor, and that no discrimination be made in the furnishing of water between the said lands above described and other lands under said Water Appropriation Docket No. 622, having a priority date of June 26, 1894. The Court further adjudges that the land described in the petition is all within Water Appropriation Docket No. 622, having a priority date of June 26, 1894, as adjudicated by the State Board of Irrigation on March 4, 1894. The Court further adjudges that the lands described in the petition were included within the Claim Affidavit No. 183 filed by the Farmers and Merchants Irrigation Company, claimant, pursuant to the order of the State Board of Irrigation and the provisions of the irrigation act of 1895. That in adjudicating said claim, the State Board of Irrigation, as shown by the opinion of W. R. Akers, State Engineer, of date March 4, 1897, allowed the claim without exception and adjudicated that the lands described in the petition were within said Water Appropriation Docket No. 622 and that the fact that said lands described in the petition were not specifically described in Paragraph 9 of said opinion of W. R. Akers, State Engineer, entered March 4, 1897, did not amount to an exclusion of said lands from said appropriation or an adjudication that said lands were not within said appropriation. That the respondent pay the costs of this action taxed at \$..... To all of which findings and judgment of the Court, the intervenor, Department of Roads and Irrigation of the State of Nebraska, excepts.

District Judge.

1899
 1899

Bridgeport, Nebraska,
November 21, 1934.

Mr. R. H. Willis, Chief,
Bureau of Irrigation, Water Power and Drainage,
Department of Roads and Irrigation,
Bridgeport, Nebraska.

Dear Mr. Willis:

Your question as to whether the Bureau of Irrigation, Water Power and Drainage of the State of Nebraska is authorized and empowered by law to administer the waters of the state with reference to the rights of riparian owners presents one of the most vexatious questions that arises in connection with the administration of water. There are many who contend that it is one of the functions and duties of the Bureau to police riparian rights and to protect riparian owners in their use of the water of the several streams of the state. If this is the law, it would mean that the Bureau would have a police force scattered throughout the state. It would further mean that the priorities of riparian owners on the several streams within the state would have to be adjudicated, or at least it would require an investigation on each complaint as to priority.

In the case of Crawford Company vs. Hathaway, et al., 67 Neb. 325, 93 N. W. 781, the court held that the board created under the irrigation act of 1895 was possessed of powers of administrative character, and that the courts were in no way ousted out of their jurisdiction over actual controversy. Also that—

“The courts have judicial powers, and, while the board may make all needful preliminary determinations to enable it to regulate the distribution of water, and may determine whether or not proposed appropriations shall be allowed, and in what order, in pursuance of the provision of the statute subject to the right of appeal, whenever a controversy arises over the substance of the rights of various parties making use of a stream, such controversies are proper for the courts to take judicial cognizance of. The courts cannot administer the statute, nor regulate the use of the stream, but they can and should adjudicate disputes based on the rights of the parties acquired under the statutes.”

Paragraph two of the syllabus is as follows: “The common law rule with respect to the rights of private riparian proprietors has been a part of the laws of the state ever since the organization of a state government.”

While I think it was contemplated that the Bureau should, in a measure, have some jurisdiction over the use of the waters of our

streams flowing within the State of Nebraska, yet I cannot conceive where it was ever contemplated that it was incumbent on the Bureau to police the rights of the various riparian owners. If a riparian owner should complain that his rights are being interfered with, he has recourse to our courts, who have ample power to protect him. In the body of the opinion of the Crawford Company vs. Hathaway case, the court says:

“But there the board has made no determination, and a large number of persons are claiming the right to divert and use the water of a stream, some by appropriation under the statute, and some under prior acts, some by prescription, and others as riparian owners whose rights have accrued prior to the statute, and have not been divested, we know of no sound reason why a suit in equity to determine and adjust such rights and enjoin interference of those rights by others under a claim of right may not be maintained. Such suits are permitted everywhere where the system of appropriation adopted by our statute obtains. In some states they have been provided by statute, but, in the absence of statutes, they have been upheld under general principles of equity jurisdiction.”

It has always been my opinion that the Department of Roads and Irrigation should adjudicate priorities, and, further, that it has adjudicated priorities of appropriations for irrigation purposes, and further, that it has authority to close down headgates in order of priority to protect prior appropriators when there is a deficiency in the flow of any stream, but to say that a riparian owner whose rights have not been determined, either by statute or adjudication, has the right to call upon the Department to protect him in the use of water flowing through or adjacent to his land would be to invite trouble.

I am therefore of the opinion that in a dispute of this kind that the Bureau is without authority to attempt to adjudicate rights of riparian owners on the several streams within the State of Nebraska.

Respectfully,

PAUL F. GOOD,

Attorney General.

By C. G. Perry,

Special Assistant.

**DIVISION OF
HYDROGRAPHY AND SURVEYS**

DESCRIPTION OF GAGING STATIONS**PATHFINDER RESERVOIR, WYOMING**

LOCATION:—The dam, constructed of granite masonry, is located in the channel of the North Platte River, in Section 24, Township 29 North, Range 84 West, three miles below the mouth of the Sweet Water. Its capacity at spillway elevation, 5852 feet above mean sea level, is 1,070,000 acre-feet, at which elevation it submerges an area of about 22,000 acres. The outflow is measured one-quarter mile below the dam, where a foot bridge has been installed.

ELEVATION OF OVERFLOW WEIR:—5852.00 feet above mean sea level.

DISTANCE FROM RESERVOIR:—About one-quarter mile below dam.

DRAINAGE AREA:—10,700 square miles.

CHANNEL:—Very narrow and through solid granite.

GAGE:—Chain at north bank near foot bridge.

RECORDER:—Automatic recorder.

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

RECORDS AVAILABLE:—May 1, 1905, to September 30, 1934.

GUERNSEY RESERVOIR, WYOMING

LOCATION:—The Guernsey Dam is located on the North Platte River near the north line of Section 27, Township 27 North, Range 66 West, about one and one-half miles northwest of the town of Guernsey, Wyoming. The height of dam is 105 feet above river bed and 500 feet in length. It is a sluiced gravel and rock filled structure with the following capacities:

	ELEVATION		ACRE-FEET
50 foot level	4380	zero storage	11270
90 foot level	4420	total storage	72700
Top of dam	4486	net storage	61430
North spillway	4370		

ELEVATION OF TOP OF DAM:—4426.00 feet above mean sea level.

DISTANCE FROM PATHFINDER RESERVOIR:—192 miles.

DRAINAGE AREA:—16,200 square miles.

GAGE:—A gaging station is maintained by the United States Bureau of Reclamation a short distance below the Guernsey Dam. An automatic recorder is used in connection with this station. Discharge measurements are made from a cable located about 100 yards below the recorder.

GUERNSEY RESERVOIR, WYOMING—Continued

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

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

RECORDS AVAILABLE:—October 1, 1927 to September 30, 1934.

NORTH PLATTE RIVER AT WHALEN, WYOMING

LOCATION:—In Section 11, Township 26 North, Range 65 West, at diversion dam at Whalen, 8 miles below Guernsey Dam.

ELEVATION:—Elevation of concrete weir is 4278.50 feet above mean sea level.

DISTANCE FROM PATHFINDER:—200 miles.

DRAINAGE AREA:—16,300 square miles.

REMARKS:—Discharge records obtained by subtracting flow of Interstate and Ft. Laramie canals from flow below Guernsey Reservoir. Usually the Ft. Laramie Canal carries water the year round for the Lingle Power Plant. The flow from the power plant through the tail race back to the river is not included in the discharge at the river weir for this biennium.

GAGE:—The weir is constructed of concrete, is 300 feet in length, and 12.5 feet in height above the river bed.

RECORDER:—Automatic recorder.

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

RECORDS AVAILABLE:—May 1, 1909, to September 30, 1934.

NORTH PLATTE RIVER AT TORRINGTON, WYOMING

LOCATION:—Concrete highway bridge in Section 15, Township 24 North, Range 61 West, 25 miles below the mouth of the Laramie River. Established April 1, 1926, by the State of Nebraska. Maintained by the State of Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 4180.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—230 miles.

DRAINAGE AREA:—21,700 square miles.

BENCH MARKS:—No. 1 is a cross chiseled in concrete, 12 feet from south end of bridge on downstream handrail. Elevation 18.12 feet. Established February 27, 1931. No. 2 is the heads of two spikes driven horizontally in blaze, 0.5 of a foot above the base of a 12 inch cottonwood tree, 30 feet south and 80 feet downstream from south end of bridge. Elevation 7.70 feet. Established October 16, 1931.

NORTH PLATTE RIVER AT TORRINGTON—Continued

Reference point is slot in screw head in shelter floor. Elevation 8.58 feet.

GAGE:—A gage consisting of a 0-3.3 foot and 2-1 foot enamel sections attached to 2"x6" plank bolted to downstream end of the second pier from the south end of bridge.

RECORDER:—A Stevens Type A-21 continuous recorder, installed March, 1933, in wooden shelter with corrugated iron well, attached to downstream wing-wall at south end of bridge.

OBSERVER:—Carl Gaensslen, Torrington, Wyoming.

RECORDS AVAILABLE:—April 1, 1926 to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—1.51 on June 4, 1934.

LOWEST GAGE READING FOR SEASON:— 0.04 on May 16, 1934.

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

LOCATION:—1 and ¼ inch steel cable in the NE¼ of Section 10, Township 23 North, Range 60 West, a quarter of a mile above the Wyoming-Nebraska State Line and about 500 feet below the headgate of the Mitchell Canal. Established April 29, 1929. Maintained by Nebraska, Wyoming, and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 4035.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—240 miles.

DRAINAGE AREA:—22,100 square miles.

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

GAGE:—Boxed cantilever chain gage on north bank just below shelter. Chain length is 17.09 feet. This gage changed to north bank April 16, 1932.

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

OBSERVER:—Water Commissioner during the irrigation season.

RECORDS AVAILABLE:—May 1, 1929, to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—2.53 on June 4, 1934.

LOWEST GAGE READING FOR SEASON:—0.17 on May 16 and 17, 1934.

NORTH PLATTE RIVER AT MITCHELL

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

ELEVATION:—Approximately 3945.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—253 miles.

DRAINAGE AREA:—24,300 square miles.

BENCH MARKS:—No. 1 is cross chiseled in concrete near corner of ledge at approximately floor level on downstream side and at end of south downstream wing wall. Elevation 11.39 feet. No. 2 is the heads of two spikes driven horizontally in 18 inch cottonwood near base, 200 feet downstream from bridge, and ten feet from south bank. Elevation 6.15 feet. Reference point is slot in brass screw head in face of recorder shelf. Elevation 10.86 feet.

GAGE:—Vertical staff consisting of 6-1 foot enamel scales attached to a scantling driven in river bed on downstream side of first pier from south end of bridge, and anchored to pier by 2½ inch lag screws 24 inches long in expanding shields.

RECORDER:—Stevens Type A-27 continuous recorder on south bank, 40 feet downstream from south end of bridge. Installed in October, 1927.

OBSERVER:—Water Commissioner during the irrigation season.

RECORDS AVAILABLE:—From June 2, 1901 to July 10, 1913, and April 18, 1916, to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—1.48 on October 6, 1933.

LOWEST GAGE READING FOR SEASON:—0.27 on May 10, 1934.

NORTH PLATTE RIVER AT MINATARE

LOCATION:—West line of Section 18, Township 21 North, Range 53 West, one mile west and one and one-half miles south of Minatare, on concrete bridge consisting of 12-50 foot arches. Established in May, 1916. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 3820.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—270 miles.

DRAINAGE AREA:—24,700 square miles.

NORTH PLATTE RIVER AT MINATARE—Continued

BENCH MARKS:—No. 1 is a cross chiseled in concrete near corner of ledge about 1 foot above floor level on downstream side of wing-wall at south end of bridge. Elevation 11.68 feet. No. 2 is head of spike driven horizontally in blaze near base of 6 inch cottonwood tree, 25 feet downstream. Elevation 4.26 feet. Reference point is slot in screw head in face of recorder shelter. Elevation 9.70 feet.

GAGE:—Outside gage is vertical staff attached to downstream end of south abutment of bridge.

RECORDER:—Stevens Type A-30 continuous recorder in standard wooden shelter on south bank of stream, just below the bridge.

OBSERVER:—Water Commissioner during the irrigation season.

RECORDS AVAILABLE:—May, 1916, to September 30, 1934, with the exception of the year 1920.

HIGHEST GAGE READING FOR SEASON:—1.55 on October 6, 1933.

LOWEST GAGE READING FOR SEASON:—0.06 on May 23, 24, 26, 27, 1934.

NORTH PLATTE RIVER AT BRIDGEPORT

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

ELEVATION:—Approximately 3666.00 feet above mean sea level. United States Coast and Geodetic Survey.

DISTANCE FROM PATHFINDER:—293 miles.

DRAINAGE AREA:—25,300 square miles.

BENCH MARKS:—No. 1 destroyed summer of 1932. No. 2 is head of two spikes driven horizontally in cottonwood tree in blaze near base, 20 feet downstream from station (-) 50, at south end of bridge. Elevation 9.02 feet. No. 3 is cross on top of concrete abutment at south end of bridge. Elevation 15.62 feet. Reference point is slot in screw head on face of recorder shelf. Elevation is 13.30 feet.

GAGE:—Staff gage consisting of 6-1 foot sections of enamel scale bolted to concrete on downstream side of south abutment of bridge.

RECORDER:—Stevens long distance recorder, 1917. Sender located in shelter on south bank of stream, 13 feet downstream from

NORTH PLATTE RIVER AT BRIDGEPORT—Continued

bridge. Shelter is attached to abutment wing of wood piling and planking. The recorder is located in the State Irrigation Building. Also Stevens Type A-30 continuous recorder in shelter at river. Installed June 25, 1934.

OBSERVER:—Office Engineer and Water Commissioner.

RECORDS AVAILABLE:—From May, 1902 to 1906, and 1915 to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—6.16 on October 2, 1933.

LOWEST GAGE READING FOR SEASON:—4.56 on July 30, 31, 1934.

NORTH PLATTE RIVER AT LISCO

LOCATION:—Steel highway bridge, consisting of 8-80 foot spans, in Section 33, Township 18, Range 46 West, one-half mile south of Lisco. Established September 9, 1931. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 3540.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—321 miles.

DRAINAGE AREA:—

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

GAGE:—A vertical staff gage consisting of 0-6.7 enamel scale attached to south side of well.

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

OBSERVER:—Water Commissioner during irrigation season.

RECORDS AVAILABLE:—April 10, 1916 to October 31, 1917, and September 9, 1931 to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—2.34 on May 3, 1934.

LOWEST GAGE READING FOR SEASON:—0.28 on August 3, 4, 1934.

NORTH PLATTE RIVER AT OSHKOSH

LOCATION:—Steel truss bridge consisting of 7-98 foot spans, in Section 2, Township 16 North, Range 44 West, about 1½ miles south of Oshkosh. Established March 1, 1928. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 3370.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—348 miles.

DRAINAGE AREA:—27,500 square miles.

BENCH MARKS:—No. 1 is top of reinforcing bar in North downstream corner of first pier from south bank. Elevation 9.22 feet. No. 2 is top of 5/8 inch bolt set in top of south downstream bridge seat. Elevation 9.05 feet. Reference point is slot in screw head set in edge of recorder shelf. Elevation 13.20 feet.

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

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

OBSERVER:—Water Commissioner during irrigation season.

RECORDS AVAILABLE:—April 7, 1916 to October 30, 1917, and from March 1, 1928 to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—2.50 on May 4, 1934.

LOWEST GAGE READING FOR SEASON:—0.18 on August 29, 30, 1934.

NORTH PLATTE RIVER AT MARTIN

LOCATION:—Steel and concrete highway bridge consisting of 14-50 foot spans in Section 31, Township 15 North, Range 38 West, 1 mile south of Martin, a siding on the Union Pacific Railroad. Established November 20, 1933. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 3130.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—382 miles.

DRAINAGE AREA:—

BENCH MARKS:—No. 1 is cross on top of downstream end of south abutment. Elevation 14.72 feet. No. 2 is directly below No. 1, and is top of first reinforcing bar anchorage. Elevation 4.83 feet. Reference point is top of handrail directly over trap door in recorder shelf. Elevation 16.21 feet.

GAGE:—Staff gage consisting of 0-6.7 enamel scale fastened to

NORTH PLATTE RIVER AT MARTIN—Continued

2"x6" plank attached by means of one 3/8 inch bolt through the right leg of each band supporting the well.

RECORDER:—Stevens Type A-30 continuous recorder, installed November 20, 1933, in wooden shelter with galvanized iron well attached to downstream end of first pier from south end of bridge.

OBSERVER:—Water Commissioner during irrigation season.

RECORDS AVAILABLE:—November 20, 1933 to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—2.20 March 4, 1934.

LOWEST GAGE READING FOR SEASON:— -0.52 August 14, 1934.

NORTH PLATTE RIVER AT NORTH PLATTE

LOCATION:—Concrete highway bridge consisting of 14 spans, in Section 28, Township 13 North, Range 30 West, one-half mile north of the City of North Platte, and about four and one-half miles above junction with South Platte River. Established February 25, 1895. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 28.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—422 miles.

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

BENCH MARKS:—No. 1 is top of nose of pier on upstream side of bridge, 360 feet from south end. Elevation 10.84 feet. No. 2 is top of bolt in bed plate in downstream end of south abutment. Elevation 10.42 feet. No. 3 is top of bed plate in downstream end of south abutment. Elevation 10.29 feet. No. 4 is top of bed plate, at south end, on downstream end of pier supporting gage shelter. Elevation 10.44 feet. Reference point is slot in head of screw in recorder shelf. Elevation 16.73 feet.

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

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

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

RECORDS AVAILABLE:—February 25, 1895 to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—3.91 May 6, 1934.

LOWEST GAGE READING FOR SEASON:—2.27 July 24 and August 11, 1934.

SOUTH PLATTE RIVER AT JULESBURG

LOCATION:—On timber highway bridge with concrete floor in Section 33, Township 12 North, Range 44 West, about one mile south of Julesburg, Colorado. On United States highway Number 51. The river is divided into four channels, numbered one, two, three, and four, beginning with the south channel. During the last four years channel number two has been the most important. Channel number one is silted and carries very little water. Channels three and four are practically dry. During flood periods the four channels become one. Established April 2, 1902. Maintained by State of Colorado, United States Geological Survey, and State of Nebraska.

ELEVATION:—Approximately 3450.00 feet above mean sea level.

DRAINAGE AREA:—20,600 square miles.

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

Channel No. 2. No. 1 is a standard brass tablet set in concrete block located about 75 feet southeast of recorder shelter. Elevation 6.07 feet.

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

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

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

Channel No. 2. Cantilever chain gage 16.13 feet long, 6 feet downstream from shelter.

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

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

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

Channel No. 2. Stevens Type A-30 continuous recorder supplied by State of Nebraska, in wooden shelter on south bank of channel

SOUTH PLATTE RIVER AT JULESBURG—Continued

number two, about 500 feet downstream from highway bridge. Tape gage in well is 11.00 feet long.

Channel No. 3. No recorder.

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

OBSERVER:—Arlan Luxa, Julesburg, Colorado.

RECORDS AVAILABLE:—April, 1902, to November 14, 1906; May 12, 1908, to September 30, 1914; January 1, 1923, to September 30, 1934.

SOUTH PLATTE RIVER AT OGALLALA

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

ELEVATION:—Approximately 3210.00 feet above mean sea level.

DRAINAGE AREA:—23,500 square miles.

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

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

RECORDER:—None.

OBSERVER:—Water Commissioner during irrigation season.

RECORDS AVAILABLE:—Miscellaneous measurements, 1924 to 1931. Daily discharge during calendar year 1923; April 7, 1931 to September 30, 1934.

SOUTH PLATTE RIVER AT NORTH PLATTE

LOCATION:—On concrete highway bridge, consisting of 10-50 foot spans, in Section 9, Township 13 North, Range 30 West, $\frac{3}{4}$ of a mile south of North Platte, Nebraska. Established June 1, 1914. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 2800.00 feet above mean sea level.

DRAINAGE AREA:—24,300 square miles.

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

SOUTH PLATTE RIVER AT NORTH PLATTE—Continued

GAGE:—To provide for the possibility of the channel changing from one side of the stream to the other, a 16 foot staff gage was placed on each side of the main channel during October, 1934. A Weather Bureau staff gage (0-10 foot enamel scale) was mounted on a 4"x6"x10' timber and bolted with 2½"x10" bolts to the downstream end of the first pier of each bank. (A second 10"x16" was mounted on a 4"x6"x6" timber and bolted to the downstream side of each abutment.)

RECORDER:—None.

OBSERVER:—A. W. Shilling, North Platte, and Water Commissioner during irrigation season.

RECORDS AVAILABLE:—June 1, 1914, to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—2.65 on June 22, 1934.

LOWEST GAGE READING FOR SEASON:—0.10 on August 21, 1934.

PLATTE RIVER AT OVERTON

LOCATION:—Concrete highway bridge consisting of 25 - 35.5 foot spans center to center, on north and south center line through Section 12, Township 8, Range 20 West, 4 miles south of Overton. Established in June, 1918. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 2320.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—490 miles.

DRAINAGE AREA:—58,400 square miles.

BENCH MARKS:—No. 1 is top of concrete guard rail on upstream side at north end of bridge. Elevation 14.28 feet. No. 2 is top of concrete guard rail on downstream side at south end of bridge. Elevation 14.32 feet. No. 3 is cross on curb on upstream side at north end of bridge. Elevation 12.06 feet. No. 4 is two 60d spikes driven horizontally in base of a 6 inch cottonwood tree, 10 feet south and 5 feet east from shelter. Elevation 6.42 feet. Reference point is slot in screw head in face of recorder shelf. Elevation 10.34 feet.

GAGE:—Enamel scale gage 0-6.7 attached to downstream end on first pier from north end of bridge.

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

OBSERVER:—E. D. Long, Overton.

RECORDS AVAILABLE:—June, 1918 to September 30, 1934, with

PLATTE RIVER AT OVERTON—Continued

the exception of the year 1924.

HIGHEST GAGE READING FOR SEASON:—3.99 on February 1, 1934.

LOWEST GAGE READING FOR SEASON:—0.47 on August 17, 1934.

PLATTE RIVER AT GRAND ISLAND

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

ELEVATION:—About 1840.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—560 miles.

DRAINAGE AREA:—

BENCH MARKS:—No. 1 is standard United States Geological Survey bronze tablet set in upstream end of north abutment. Elevation 13.66 feet. Reference point is slot in screw head in recorder cabinet. Elevation 12.30 feet. Reference point for ground water surface is line on gage. Elevation 13.74 feet.

GAGE:—Chain gage 17.77 feet long on the upstream hand rail of bridge. An electric tape gage is used to read water surface in ground water casing.

RECORDER:—Two Stevens Type A-30 continuous recorders in wooden shelter on north bank of stream, 30 feet downstream. One records stream flow level and the other the ground water level. Installed October 23, 1933.

OBSERVER:—No observer.

RECORDS AVAILABLE:—May 25, 1933 to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—4.42 on January 12, 1934.

LOWEST GAGE READING FOR SEASON:—River dry May 16 to September 30, 1934.

HIGHEST GROUND WATER LEVEL:—4.49 on January 13, 1934.

LOWEST GROUND WATER LEVEL:— -0.24 September 30, 1934.

PLATTE RIVER AT DUNCAN

LOCATION:—Concrete highway bridge consisting of 18 - 50 foot spans, in Section 12, Township 16 North, Range 2 West, one and one-half miles south of Duncan. Established October 25, 1928. Main-

PLATTE RIVER AT DUNCAN—Continued

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

ELEVATION:—Approximately 1480.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—632 miles.

DRAINAGE AREA:—61,600 square miles.

BENCH MARKS:—No. 1 is top of old engine valve set flush with top of first pier from north end, near upstream point. Elevation 12.80 feet.

GAGE:—Enamel scale 0 - 10 feet fastened to a 4"x6" timber bolted to downstream end of first concrete pier from north end. Elevation of zero of gage is 1478.80 feet above sea level.

RECORDER:—None.

OBSERVER:—Ralph L. Lindley, Duncan, Nebraska.

RECORDS AVAILABLE:—From October, 1928, to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—3.94 on March 5, 1934.

LOWEST GAGE READING FOR SEASON:—0.04 July 14, lowest reported. The river was dry from June 26 to September 30, 1934.

PLATTE RIVER AT ASHLAND

LOCATION:—Half a mile above bridge on highway No. 6 in Section 30, Township 13 North, Range 10 East, at United States Rifle Range, three miles northeast of Ashland. Established September 29, 1933, to replace station maintained at old highway bridge 950 feet downstream. Maintained by Nebraska and the United States Geological Survey under a cooperative agreement.

ELEVATION:—Approximately 1020.00 feet above mean sea level.

DISTANCE FROM PATHFINDER:—719 miles.

DRAINAGE AREA:—83,800 square miles.

BENCH MARKS:—No. 1 is two spikes driven horizontally in blaze in 24 inch cottonwood tree located just back of levee on south bank. The tree is the one nearest the old bridge location on the downstream side. Elevation 8.27 feet. No. 2 is a bronze tablet set in top of concrete pedestal at base of flag pole, located 150 feet upstream and 20 feet in front of shelter. Elevation 10.43 feet. This is a University of Nebraska bench mark. Reference point is slot in screw head in recorder shelf. Elevation 13.25 feet.

PLATTE RIVER AT ASHLAND—Continued

GAGE:—Cantilever chain gage is located 5 feet downstream from shelter. Length of chain 19.66 feet. Elevation of zero of gage is 1020.1 feet above sea level.

RECORDER:—Stevens Type A-30 continuous recorder, installed in standard wooden shelter on south bank of stream, September 29, 1933.

RECORDS AVAILABLE:—August, 1928 to September 30, 1934.

HIGHEST GAGE READING FOR SEASON:—5.91 on January 22, 1934.

LOWEST GAGE READING FOR SEASON:—1.63 on July 27, 29, 1934.

ARIKAREE RIVER NEAR HAIGLER

LOCATION:—In Section 28, Township 1 North, Range 41 West.

DRAINAGE AREA:—2,210 square miles.

BENCH MARKS:—No. 1 is cross in top of concrete wing wall in upstream side of 10 inch cottonwood in group about 40 feet upstream from gage and 20 feet back from west bank, elevation 6.62 feet. It is the first tree group above bridge.

GAGE:—A 2"x4" plank fastened to downstream face of first bent from east end of bridge, 0-1.5 enamel section, 1.5-5.0 graduated by tacks at tenth marks.

OBSERVATIONS:—Made twice daily by David A. Roach.

RECORDS AVAILABLE:—March, 1932, to September 30, 1934.

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD

LOCATION:—West quarter corner of Section 4, Township 20 North, Range 52 West.

BENCH MARKS:—No. 1 is cross in top of concrete wingwall directly above gage, elevation 5.43 feet.

GAGE:—Staff gage consisting of 0-3.3 enamel scale mounted on a 2"x6" plank fastened with two 5/16 lag screws and expanding shields to the west upstream wing wall of the flume over the abandoned Alliance canal siphon.

OBSERVATIONS:—Made twice daily by Alta Fox.

RECORDS AVAILABLE:—October, 1931, to September, 1934.

BIRDWOOD CREEK NEAR HERSHEY

LOCATION:—In Section 2, Township 14 North, Range 33 West.

DRAINAGE AREA:—286 square miles.

BENCH MARKS:—None.

GAGE:—Enamel scale 0-6.7 fastened to west abutment near downstream end.

OBSERVATIONS:—Made twice daily by Lucille Brocktrup.

RECORDS AVAILABLE:—January, 1922, to September, 1934.

BLUE CREEK NEAR LEWELLEN

LOCATION:—North line of Section 30, Township 16 North, Range 42 West.

DRAINAGE AREA:—267 square miles.

BENCH MARKS:—No. 1 is top of 3/8" bolt driven horizontally in 18 inch cottonwood located 12 feet upstream from east end of bridge, and 8 feet east from bank, elevation 4.66 feet. No. 2 is bronze tablet set in concrete, 60 feet east of shelter, elevation 4.28 feet.

GAGE:—Stevens Type E automatic recorder in small standard wooden shelter. Reference point is slot in screw in edge of recorder shelf, elevation 7.31 feet. Outside gage is cantilever chain gage fastened to the upstream side of shelter.

RECORDS AVAILABLE:—January, 1921, to September, 1934.

LITTLE BLUE RIVER AT ENDICOTT

LOCATION:—In Section 5, Township 1 North, Range 3 East.

DRAINAGE AREA:—2,590 square miles.

BENCH MARKS:—No. 1 is two spikes driven horizontally in large cottonwood tree at beginning of east approach, 25 feet south of road, elevation 8.01 feet. No. 2 is bronze tablet set in concrete post 20 feet in front and 5 feet downstream from shelter, elevation 9.34 feet.

GAGE:—Stevens Type E 8 day recorder in standard wooden shelter on west bank, 250 feet downstream from highway bridge. Referred to inside tape gage, reference point for which is slot in screw in recorder shelf, elevation 17.56 feet. Outside gage is chain gage fastened to downstream guard rail of highway bridge. Chain length, 15.13 feet.

RECORDS AVAILABLE:—April, 1929, to September 30, 1934.

BIG BLUE RIVER AT BARNSTON

LOCATION:—In Section 13, Township 1 North, Range 7 East.

DRAINAGE AREA:—4,350 square miles.

BENCH MARKS:—No. 1 is fourth rivet (marked with chisel) from downstream end in cross brace between east cylinder piers, elevation

BIG BLUE RIVER AT BARNSTON—Continued

19.72 feet. No. 2 is top of 3/8 inch bolt driven in downstream side of 20 inch maple on east bank, 60 feet downstream from bridge, and 30 feet back from bank, elevation 19.51 feet. No. 3 is standard U. S. G. S. bronze tablet set in concrete post, 40 feet downstream from rear edge of shelter, elevation 18.47 feet.

GAGE:—Stevens Type A-30 automatic recorder installed in standard wooden shelter on west bank, 200 feet upstream from highway bridge. Referred to inside electric tape gage. Elevation of reference point is 25.00 feet. Outside gage is chain gage fastened to downstream truss of highway bridge. Chain length, 39.84 feet.

RECORDS AVAILABLE:—May, 1932, to September 30, 1934.

ELKHORN RIVER AT NELIGH

LOCATION:—In Section 20, Township 25 North, Range 6 West.

DRAINAGE AREA:—1,740 square miles.

BENCH MARKS:—No. 1 is top of river end of steel sheathing located 25 feet downstream from gage on south bank, elevation 6.98 feet.

GAGE:—Boxed chain gage fastened to 2"x6"x14' plank bolted to downstream handrail of bridge; enamel scale reads from 0 to 10 feet.

OBSERVATIONS:—Made twice daily by J. L. Long.

RECORDS AVAILABLE:—March, 1931, to September 30, 1934.

ELKHORN RIVER AT WATERLOO

LOCATION:—In Section 10, Township 15 North, Range 10 East.

DRAINAGE AREA:—6,390 square miles.

BENCH MARKS:—No. 1 is cross on outer corner of south downstream wing wall, elevation 17.61 feet. No. 2 is standard bronze tablet set in concrete post located 14 feet downstream, and 47 feet south of bridge, along toe of slope of highway grade, elevation 12.57 feet.

GAGE:—Stevens Type A-30 recorder in standard wooden shelter. Reference point is slot in screw in edge of recorder shelf, elevation 15.62 feet. Outside gage is chain gage on bridge used previously. Length 21.96 feet.

RECORDS AVAILABLE:—May, 1911, to July, 1913; August, 1928, to September 30, 1934.

FRENCHMAN RIVER NEAR CHAMPION

LOCATION:—Section 19, Township 6 North, Range 39 West.

DRAINAGE AREA:—1,020 square miles.

BENCH MARKS:—No. 1 is standard bronze tablet set in concrete

FRENCHMAN RIVER NEAR CHAMPION—Continued

post, 28 feet downstream from gage shelter, 25 feet back of north bank, elevation 6.00 feet.

GAGE:—Stevens Type A-30 recorder in small wooden shelter, 100 yards below highway. Outside gage is cantilever chain gage, 5 feet upstream, length 11.71 feet.

RECORDS AVAILABLE:—January, 1924, to September 30, 1934.

FRENCHMAN RIVER NEAR HAMLET

LOCATION:—In Section 19, Township 5 North, Range 34 West.

DRAINAGE AREA:—1,420 square miles.

BENCH MARKS:—No. 1 is 2 nails driven horizontally in downstream pile of second bent from south bank on railroad bridge, 65 feet upstream. Nails 1.4 feet above the ground. Elevation 8.19 feet. No. 2 is standard U. S. G. S. reference tablet in concrete post 30 feet downstream and in line with front edge of recorder shelter on north bank, elevation 7.79 feet. Elevation of gage zero, 2798.43 feet above mean sea level.

GAGE:—Stevens Type A-30 recorder in standard wooden shelter. Referred to inside tape gage, reference point for which is slot in screw in side of recorder shelf, elevation 12.07 feet. Outside gage is enamel scale 0-10, attached to downstream pile bent at south side of bridge.

RECORDS AVAILABLE:—April, 1929, to September 30, 1934.

FRENCHMAN RIVER AT CULBERTSON

LOCATION:—In Section 17, Township 3 North, Range 31 West.

DRAINAGE AREA:—2,800 square miles.

BENCH MARKS:—None.

GAGE:—A 2"x4" plank fastened to downstream pile of third trestle bent out from south bank. Graduated to 1.5 feet by enamel section from 0-5 feet by tacks at tenth marks, and metal house numerals at foot marks.

OBSERVATIONS:—Made twice daily by John Zailer, and O. W. Korell.

RECORDS AVAILABLE:—January, 1922, to September 30, 1934.

GERING DRAIN NEAR GERING

LOCATION:—East Line of Section 6, Township 21 North, Range 54 West.

BENCH MARKS:—No. 1 is head of railroad spike driven horizon-

GERING DRAIN NEAR GERING—Continued

tally in downstream piling of first bent from south end of bridge, elevation 6.03 feet.

GAGE:—Staff gage consisting of 5-1 foot enamel scales fastened to downstream piling of second bent from south end of bridge.

OBSERVATIONS:—Made twice daily by Ruben Funk.

RECORDS AVAILABLE:—January, 1923, to September, 1934.

HORSE CREEK NEAR LYMAN

LOCATION:—In Section 25, Township 23 North, Range 58 West.

DRAINAGE AREA:—1,860 square miles.

BENCH MARKS:—No. 1 is cross on coping at north end of siphon, on center line, elevation 15.38 feet.

GAGE:—Staff consisting of 6-1 foot sections of enamel scale fastened to an 8"x8" piling 5 feet upstream from Station 20, and 15 feet below center line of siphon.

OBSERVATIONS:—Made twice daily by Gladys Phinney.

RECORDS AVAILABLE:—January, 1921, to September 30, 1934.

LOGEPOLE CREEK AT BUSHNELL

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

DRAINAGE AREA:—1,090 square miles.

BENCH MARKS:—No. 1 is cross cut in top of north upstream wing wall, elevation 3.79 feet.

GAGE:—Staff gage 0-3.3 fastened on south vertical wall of concrete flume, 3 feet from upstream end of wall.

OBSERVATIONS:—Made twice daily by Walter Frank.

RECORDS AVAILABLE:—January, 1924, to September 30, 1934.

LOUP RIVER AT COLUMBUS

LOCATION:—In Section 29, Township 17 North, Range 1 East.

BENCH MARKS:—No. 1 is file mark in top of steel rivet on bank side of upstream cylinder of south pier of old highway bridge, directly above first butt joint, elevation 8.81 feet. No. 2 is 60d. spike driven vertically in notch cut in root of 24 inch ash tree on south bank, 150 feet directly below south abutment of old bridge. This is the first tree below bridge on south bank. Elevation 6.90 feet. No. 3 is standard bronze tablet set in top of concrete post, located 20 feet in front and 32 feet downstream from shelter, elevation 10.29 feet.

GAGE:—Stevens Type A-30 recorder in standard wooden shelter

LOUP RIVER AT COLUMBUS—Continued

on south bank, 500 yards below highway bridge. Reference point is slot in screw in recorder shelf, elevation 12.55 feet. Outside gage is cantilever chain gage 19.82 feet long, 6 feet downstream.

RECORDS AVAILABLE:—November 22, 1933, to September 30, 1934.

MIDDLE LOUP RIVER AT ST. PAUL

LOCATION:—In Section 10, Township 14 North, Range 10 West.

DRAINAGE AREA:—7,320 square miles.

BENCH MARKS:—No. 1 is cross in outer corner of bed plate on downstream side of north abutment of highway bridge, elevation 13.23 feet. No. 2 is standard bronze plug in top of pipe, located 15 feet northeast of south downstream wing wall, elevation 7.41 feet. No. 3 is standard bronze tablet set in top of concrete post located 48 feet in front of shelter and in line with upstream side, elevation 7.45 feet. Zero of gage is 1778.41 feet above mean sea level.

GAGE:—Stevens Type A-30 recorder in standard wooden shelter on north bank, 300 yards upstream from highway bridge. Reference point is slot in screw in edge of recorder shelf, elevation 11.79 feet. Outside gage is cantilever chain gage 6 feet downstream from shelter.

RECORDS AVAILABLE:—May, 1895, to October, 1897; April to October, 1899; April to November, 1903; August, 1928, to September 30, 1934.

NORTH LOUP RIVER NEAR ST. PAUL

LOCATION:—In Section 22, Township 15 North, Range 10 West.

DRAINAGE AREA:—4,040 square miles.

BENCH MARKS:—No. 1 is 2 spikes driven horizontally in blaze in side of forked tree, which is in a clump of trees 25 feet back from recorder shelter, elevation 6.68 feet. No. 2 is cross filed in head of rivet at north downstream corner of south abutment, elevation 12.42 feet. No. 3 is bronze tablet set in concrete post located 54 feet back of recorder shelter and 5 feet upstream, elevation 5.86 feet.

GAGE:—Stevens Type A-30 recorder in standard wooden shelter. Reference point is slot in screw set in edge of recorder shelf. Elevation 12.08 feet. Outside gage is chain gage on bridge. Chain length 15.05 feet.

RECORDS AVAILABLE:—May, 1895, to October, 1897; April to October, 1899; April to December, 1903; August, 1928, to September, 1934.

NINE MILE DRAIN

LOCATION:—Northwest corner of Section 25, Township 21 North, Range 53 West.

BENCH MARKS:—No. 1 is spike in south side of power line pole near base, 25 feet upstream from bridge, elevation 7.02 feet.

GAGE:—Staff gage consisting of 0-6.7 enamel scale fastened to piling supporting wing wall at upstream end of west abutment.

OBSERVATIONS:—Made twice daily by Fred Hardt.

RECORDS AVAILABLE:—January, 1919, to September, 1934.

NIOBRARA RIVER AT DUNLAP

LOCATION:—On Line between Sections 26 and 27, Township 29 North, Range 48 West.

DRAINAGE AREA:—1,550 square miles.

BENCH MARKS:—No. 1 is 60 d. spike driven horizontally in root of fifth willow tree on south bank, 60 feet downstream from bridge, and 30 feet from edge of bank. Spike is on upstream side of tree about 18 inches above the ground, elevation 12.60 feet.

GAGE:—Staff gage (enamel scale 0-6.7) fastened to downstream end of third pile bent from north end.

OBSERVATIONS:—Made twice daily by Mrs. Bina Wegezyn.

RECORDS AVAILABLE:—January, 1924, to September 30, 1934.

OTTER CREEK NEAR LEMOYNE

LOCATION:—In SE $\frac{1}{4}$ of Section 5, Township 15 North, Range 40 West.

DRAINAGE AREA:—12 square miles.

BENCH MARKS:—No. 1 is bronze tablet set in concrete post, 48 feet due north of shelter, elevation 7.99 feet.

GAGE:—Gurley 8 day recorder in small wooden shelter on east bank, 200 yards below ranch house. Reference point in slot in screw in edge of recorder shelf, elevation 6.84 feet. A cantilever chain gage, length 10.35 feet, is located 8 feet downstream.

RECORDS AVAILABLE:—From January, 1922, to June 26, 1934, for station in Section 9, from June to September 30, 1934, in Section 5.

PUMPKIN CREEK NEAR BRIDGEPORT

LOCATION:—On line between Sections 12 and 13, Township 19 North, Range 50 West.

DRAINAGE AREA:—1,080 square miles.

BENCH MARKS:—No. 2 is standard bronze tablet set in concrete

PUMPKIN CREEK NEAR BRIDGEPORT—Continued

post along upstream right of way fence, about 100 feet from east end of bridge, elevation 8.96 feet.

GAGE:—Gurley 8 day recorder in small wooden shelter. Reference point is slot in screw in recorder shelf, elevation 9.75 feet. Staff gage consisting of 0-5 feet enamel scale fastened to downstream piling in first bent from east end of bridge.

RECORDS AVAILABLE:—January, 1922, to September 30, 1934.

RED WILLOW CREEK NEAR BAYARD

LOCATION:—Southwest corner of Section 7, Township 20 North, Range 51 West.

BENCH MARKS:—No. 1 is the heads of 2 spikes driven horizontally in east side at base of stump of 8 inch cottonwood, 50 feet to west and 30 feet downstream from bridge. Elevation 5.50 feet. No. 2 is the head of 3/8 inch lag screw driven horizontally in piling to which gage is fastened, elevation 3.00 feet.

GAGE:—Staff gage consisting of 0-6.7 enamel scale fastened to piling at downstream end of west abutment.

OBSERVATIONS:—Made twice daily by Roy McKee.

RECORDS AVAILABLE:—February, 1932, to September 30, 1934.

**REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE
(North Fork of the Arikaree)**

LOCATION:—In Section 10, Township 1 North, Range 42 West.

DRAINAGE AREA:—395 square miles.

BENCH MARKS:—None.

GAGE:—Staff gage consisting of 0-4 feet enamel scale and tacks at tenth marks from 4 to 5 feet, mounted on 2"x4" post, driven in edge of stream at south bank, 100 feet east of the Colorado-Nebraska Line.

OBSERVATIONS:—Made twice daily by Mrs. T. M. Ashton.

RECORDS AVAILABLE:—March, 1926, to September 30, 1934.

SOUTH BRANCH OF REPUBLICAN RIVER AT BENKELMAN

LOCATION:—Section 19, Township 1 North, Range 37 West.

BENCH MARKS:—None.

GAGE:—Staff gage consisting of 0-3.3 feet enamel scale fastened to the south side of the west piling in the second bent from the north end of the bridge.

OBSERVATIONS:—Made twice daily by Mrs. Miles Jones.

RECORDS AVAILABLE:—January, 1924, to September 30, 1934.

REPUBLICAN RIVER AT MAX

LOCATION:—In Section 32, Township 2 North, Range 36 West.

DRAINAGE AREA:—6,220 square miles.

BENCH MARKS:—No. 1 is two spikes driven horizontally in blaze in cottonwood tree, 10 feet inside fence east of highway, and 100 feet north of bridge, elevation 6.62 feet. No. 2 is two spikes driven horizontally in blaze in cottonwood tree on line with fence east of road, and 60 feet north of bridge, elevation 6.74 feet.

GAGE:—Enamel scale 0-6.7 attached to 2"x6" timber spiked to downstream end of pile bent 100 feet from north end of bridge, elevation of gage zero is 2873.6 feet above mean sea level.

OBSERVATIONS:—Made twice daily by C. E. Scheer.

RECORDS AVAILABLE:—August, 1928, to September 30, 1934.

REPUBLICAN RIVER AT CULBERTSON

LOCATION:—In Section 20, Township 3 North, Range 31 West.

DRAINAGE AREA:—8,790 square miles.

BENCH MARKS:—No. 1 is head of 40 d spike driven vertically in horizontal branch of clump of ash trees located 20 feet downstream from north end of bridge, elevation 3.72 feet.

GAGE:—Staff gage consisting of 0-6.0 feet enamel scale attached to a 2"x6" timber, which is bolted to "I" beam piling at the downstream corner of the north abutment of the bridge.

OBSERVATIONS:—Made twice daily by John Zailer and O. W. Korell.

RECORDS AVAILABLE:—January, 1924, to September 30, 1934.

REPUBLICAN RIVER NEAR BLOOMINGTON

LOCATION:—In Section 8, Township 1 North, Range 15 West.

DRAINAGE AREA:—19,000 square miles.

BENCH MARK:—No. 1 is 2 spikes in side of largest tree in group at north bank, 25 feet back from edge of bank and 125 feet downstream from bridge, elevation 15.23 feet.

GAGE:—Chain gage with 0-10.0 feet enamel scale, bolted to 4"x6" timber fastened to bridge floor at downstream side. Elevation of gage zero is 1822.5 feet above mean sea level.

OBSERVATIONS:—Made twice daily by Willis E. Kahrs.

RECORDS AVAILABLE:—April, 1929, to September 30, 1934.

REPUBLICAN RIVER NEAR HARDY

LOCATION:—Section 6, Township 1 South, Range 5 West.

BENCH MARKS:—No. 1 is standard aluminum plug set in con-

REPUBLICAN RIVER NEAR HARDY—Continued

crete 40 feet upstream from the north abutment, and 7 feet back of the north bank, elevation 12.00 feet.

GAGE:—Stevens Type A-30 recorder in wooden shelter and corrugated iron well fastened to downstream end of first pier from north bank. Elevation of reference point is 21.11 feet. Outside gage is chain gage with enamel scale attached to timber bolted to downstream handrail.

RECORDS AVAILABLE:—May, 1932, to September 30, 1934.

SHEEP CREEK NEAR MORRILL

LOCATION:—West quarter corner of Section 16, Township 23 North, Range 57 West.

BENCH MARKS:—No. 1 is point marked with paint on under side of steel girder directly above gage, elevation 6.70 feet.

GAGE:—Staff gage consisting of 0-6.7 enamel scale mounted on a 2"x6" plank driven in bed of stream at east bank directly underneath downstream side of highway bridge.

OBSERVATIONS:—Made twice daily by Manford Travis.

RECORDS AVAILABLE:—April, 1919, to September 30, 1934.

WHITE RIVER NEAR CHADRON

LOCATION:—In Section 18, Township 33 North, Range 49 West.

BENCH MARKS:—No. 1 is 60 d. spike driven vertically in root of 24 inch cottonwood tree on west bank, 15 feet from edge of bank, and 20 feet upstream from bridge, elevation, 17.72 feet.

GAGE:—Chain gage attached to 2"x6" timber fastened to upstream hand rail. Chain length to regular marker, 24.10 feet; to high water marker, 14.10 feet.

OBSERVATIONS:—Made twice daily by T. A. Schuhmacher.

RECORDS AVAILABLE:—April, 1924, to September 30, 1934.

WHITE RIVER AT CRAWFORD

LOCATION:—Section 9, Township 31 North, Range 52 West.

DRAINAGE AREA:—295 square miles.

BENCH MARKS:—No. 1 is cross chiseled in outer corner of downstream end of bridge seat in east abutment. Elevation, 15.08 feet.

GAGE:—Standard boxed chain gage with 0-10.0 feet enamel scale bolted to downstream hand rail. Chain length 23.65 feet.

OBSERVATIONS:—Made twice daily by Howard C. Dallam.

RECORDS AVAILABLE:—January, 1924, to December, 1928, and February, 1931, to September 30, 1934.

WINTERS CREEK NEAR SCOTTSBLUFF

LOCATION:—South quarter corner of Section 19, Township 22 North, Range 54 West.

BENCH MARKS:—No. 1 is cross chiseled in top of concrete head-wall above gage, elevation 5.89 feet. No. 2 is cross chiseled in concrete in upstream corner of west abutment of highway bridge, elevation 6.77 feet.

GAGE:—Staff gage consisting of 0-3.3 enamel scale fastened to 2"x6" plank attached to the north wall of a concrete spillway structure on the west bank of the creek about 55 feet above the center line of the highway.

OBSERVATIONS:—Made twice daily by Wesley Lackey.

RECORDS AVAILABLE:—January, 1919, to September 30, 1934.

**ACTUAL DISCHARGE MEASUREMENTS ON THE NORTH PLATTE,
SOUTH PLATTE, AND PLATTE RIVERS
Season Ending September 30, 1933**

NORTH PLATTE RIVER AT TORRINGTON, WYOMING

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC. FT.
10-11-32	F. F. LeFever	169	2.51	0.40	425
11- 5-32	do	203	2.98	.56	605
11-29-32	do	196	2.82	.52	552
12-15-32	do	168	2.97	.62	500
12-29-32	do	172	2.54	.38	462
1-12-33	do	151	2.92	.34	441
1-23-33	do	144	3.07	.33	443
2- 7-33	do	86	2.65	0	228
2-16-33	do	144	2.86	.41	412
3- 9-33	do	159	3.22	.50	512
3-27-33	do	135	3.16	.45	426
4-11-33	do	127	2.92	.45	371
4-25-33	do	133	3.02	.46	402
5- 6-33	do	911	3.48	1.74	3280
5-12-33	do	640	2.81	1.20	1800
5-23-33	do	937	3.38	1.78	3160
5-25-33	do	1520	4.37	3.12	6660
6- 7-33	do	603	2.83	1.14	1700
6-14-33	do	857	2.80	1.41	2400
6-21-33	do	656	4.44	1.76	2910
6-30-33	do	856	3.15	1.45	2690
7-11-33	do	732	2.83	1.44	2070
7-19-33	do	666	2.74	1.16	1840
8- 1-33	do	577	2.72	1.00	1570
8-10-33	do	588	2.58	1.04	1520
8-21-33	do	582	2.56	.94	1490
9- 8-33	do	567	2.48	.95	1410
9-20-33	do	447	2.37	.68	1060

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

10- 5-32	F. F. LeFever	218	2.25	0.71	492
10-12-32	do	225	2.25	.90	506
11- 4-32	do	286	2.21	1.25	633
11-30-32	do	246	2.41	1.38	617
12-16-32	do	325	1.65	2.21	537
12-30-32	do	170	2.15	1.62	365
1-13-33	do	202	2.44	1.10	492
1-23-33	do	219	2.11	1.09	462
2-17-33	do	248	1.81	1.95	449
3-10-33	do	244	2.23	1.22	545
3-27-33	do	220	2.13	1.09	462
4-12-33	do	180	2.26	1.06	407
4-25-33	do	134	2.18	.80	292
5- 5-33	do	1180	2.58	2.80	3040
5- 8-33	Earl Lloyd	0	0	2.79	3320
5-12-33	LeFever and Lloyd	849	2.22	2.22	1890

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1933

NORTH PLATTE RIVER AT HENRY—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-17-33	Earl Lloyd	0	0	1.89	1310
5-23-33	F. F. LeFever	1310	2.73	2.95	3570
5-26-33	do	1780	3.28	3.67	5700
6- 3-33	Earl Lloyd	0	0	1.98	1470
6-14-33	F. F. LeFever	856	2.46	2.39	2120
6-21-33	Earl Lloyd	0	0	2.62	2755
7- 9-33	do	0	0	2.40	2300
7-16-33	do	0	0	2.23	1830
7-22-33	do	0	0	2.11	1610
8- 1-33	F. F. LeFever	718	2.09	2.05	1500
8- 8-33	Earl Lloyd	0	0	2.10	1520
8-16-33	do	0	0	1.97	1380
8-24-33	do	0	0	2.00	1385
9- 2-33	do	0	0	2.08	1585
9-16-33	do	0	0	1.76	1200

NORTH PLATTE RIVER AT MITCHELL

10-12-32	F. F. LeFever	451	2.06	1.14	929
11- 5-32	do	472	2.12	1.18	1000
11-30-32	do	435	2.09	1.18	912
12-17-32	do	466	1.77	1.60	822
12-31-32	do	333	1.98	1.35	679
1-14-33	do	346	2.19	1.09	759
1-24-33	do	339	2.12	1.00	716
2- 8-33	do	477	.93	1.75	442
2-17-33	do	361	2.07	1.39	749
3-10-33	do	376	2.14	1.10	784
3-28-33	do	357	1.95	1.04	695
4-12-33	do	301	1.91	.93	576
4-26-33	do	258	1.81	.82	469
5- 2-33	do	906	2.66	2.00	2410
5-13-33	do	839	2.70	1.91	2270
5-23-33	do	1350	3.03	2.62	4100
5-26-33	do	1590	3.11	2.92	4940
5-31-33	do	503	2.50	1.34	1260
6- 6-33	do	263	1.71	.78	451
6-14-33	do	415	2.11	.98	878
6-15-33	do	475	2.22	1.04	921
6-21-33	do	685	2.41	1.56	1650
6-23-33	do	712	2.51	1.60	1790
6-30-33	do	548	2.32	1.36	1270
7-10-33	do	425	2.19	1.12	991
7-20-33	do	276	2.02	.86	560
7-26-33	do	231	1.99	.75	460
8- 2-33	do	248	2.04	.79	506
8-11-33	do	240	1.76	.73	424
8-22-33	do	224	1.84	.68	413
9- 9-33	do	248	1.78	.75	441
9-21-33	do	415	2.08	1.09	897

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1933

NORTH PLATTE RIVER AT MINATARE

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10- 6-32	F. F. LeFever	707	1.80	1.25	1450
10-13-32	do	687	2.01	1.32	1370
11- 8-32	do	691	2.08	1.28	1440
12- 1-32	do	672	1.99	1.27	1340
12-21-32	do	708	1.67	2.12	1180
1- 9-33	do	649	1.88	1.56	1230
1-25-33	do	524	1.79	1.47	940
2- 9-33	do	439	1.48	1.92	649
2-20-33	do	562	1.53	2.04	859
3-11-33	do	521	2.05	1.17	1070
3-28-33	do	501	1.90	1.12	951
4-13-33	do	401	1.98	.96	793
4-27-33	do	458	1.70	1.02	779
5- 3-33	do	1040	2.49	1.92	2590
5-15-33	do	1040	2.25	1.68	2320
5-24-33	do	1270	2.94	2.21	3740
5-27-33	do	1580	3.14	2.61	4960
6- 1-33	do	718	1.80	1.16	1270
6- 8-33	do	279	1.79	.62	500
6-16-33	do	461	1.85	.96	852
6-24-33	do	894	2.14	1.53	1910
7- 5-33	do	761	2.10	1.45	1600
7-13-33	do	408	1.98	.99	808
7-24-33	do	409	1.79	.92	750
8- 4-33	do	444	1.76	.94	781
8-12-33	do	304	1.77	.80	539
8-24-33	do	325	1.74	.78	565
9- 9-33	do	405	1.65	.79	666
9-23-33	do	727	2.05	1.36	1490

NORTH PLATTE RIVER AT BRIDGEPORT

10- 7-32	F. F. LeFever	883	2.16	6.04	1910
10-17-32	do	809	2.12	5.95	1720
11- 8-32	do	820	2.16	5.92	1770
12- 2-32	do	811	2.06	5.92	1670
12-10-32	do	795	1.22	6.23	971
12-24-32	do	765	1.91	6.45	1460
1-10-33	do	801	2.02	6.14	1620
1-26-33	do	632	2.07	6.30	1310
2-10-33	do	326	2.20	6.00	718
2-21-33	do	606	2.08	6.28	1250
3-13-33	do	728	1.96	5.78	1440
3-29-33	do	661	1.89	5.77	1250
4-14-33	do	543	1.83	5.64	995
4-28-33	do	580	1.96	5.66	1140
5- 8-33	do	1550	2.66	6.70	4170
5-15-33	do	1180	2.33	6.27	2750
5-29-33	do	1480	2.56	6.62	3790

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1933

NORTH PLATTE RIVER AT BRIDGEPORT—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6- 3-33	F. F. LeFever	676	1.91	5.61	1290
6- 8-33	do	408	1.69	5.29	691
6-17-33	do	462	1.74	5.46	804
6-26-33	do	956	2.17	6.08	2060
7- 3-33	do	615	1.88	5.61	1150
7-13-33	do	524	1.82	5.39	956
7-25-33	do	480	1.85	5.55	876
7-29-33	F. B. Shaffer	357	1.74	5.28	612
8- 5-33	F. F. LeFever	521	1.82	5.50	950
8-15-33	do	400	1.77	5.40	706
8-25-33	do	422	1.72	5.42	726
8-31-33	A. W. Hall	1180	2.16	6.28	2550
9-11-33	F. F. LeFever	736	2.04	5.80	1500
9-22-33	do	1010	2.23	6.08	2250

NORTH PLATTE RIVER AT LISCO

10- 7-32	F. F. LeFever	893	2.16	2.00	1910
10-20-32	do	864	2.22	1.87	1920
11- 9-32	do	912	2.22	1.88	2030
12- 2-32	do	834	2.12	1.85	1770
12-23-32	do	898	1.75	2.90	1530
1-11-33	do	1020	1.91	2.60	1950
1-27-33	do	827	1.77	2.75	1460
2-11-33	do	561	1.39	2.85	780
2-23-33	do	949	2.07	3.05	1960
3-13-33	do	718	2.20	1.88	1590
3-29-33	do	692	2.04	1.73	1410
4-15-33	do	540	1.91	1.48	1030
4-29-33	do	664	1.94	1.54	1290
5- 9-33	do	1580	2.91	2.52	4590
5-16-33	do	1210	2.43	2.01	2940
5-20-33	do	880	2.34	1.73	2060
5-29-33	do	1700	2.79	2.37	4720
6- 3-33	do	658	2.19	1.28	1440
6-10-33	do	338	1.59	.73	539
6-17-33	do	366	1.86	.98	679
6-27-33	do	857	2.06	1.78	1770
7- 6-33	do	797	2.15	1.79	1710
7-15-33	do	436	1.85	1.22	803
7-25-33	do	438	1.78	1.34	805
7-30-33	do	234	1.64	.94	385
8- 5-33	do	400	1.94	1.34	772
8-15-33	do	360	1.69	1.20	608
8-26-33	do	865	2.27	2.05	1960
9-12-33	do	880	2.22	1.88	1970
9-25-33	do	963	2.28	1.92	2200

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1933

NORTH PLATTE RIVER AT OSHKOSH

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10- 7-32	A. E. Johnston	964	2.15	2.04	2074
10-27-32	do	899	2.56	1.96	2205
11-25-32	do	683	2.92	1.98	1998
1- 7-33	do	1230	1.84	3.07	2270
1-28-33	do	832	1.84	2.60	1533
2-13-33	do	657	1.48	2.72	973
3-13-33	do	877	2.07	1.80	1814
4-10-33	do	633	1.93	1.65	1220
5- 9-33	do	1670	2.83	2.70	4724
5-20-33	do	1010	2.54	1.90	2564
6- 1-33	do	1070	2.18	1.83	2340
6-10-33	do	352	1.86	1.04	655
6-10-33	J. V. Ruzicka	388	1.50	1.02	568
6-12-33	A. E. Johnston	391	1.91	1.18	748
6-23-33	do	619	1.99	1.58	1230
7- 5-33	do	640	1.81	1.50	1160
7-15-33	do	451	1.93	1.34	871
7-18-33	do	558	1.56	1.48	870
7-28-33	do	366	1.50	1.22	548
7-31-33	do	224	1.38	1.04	310
8- 5-33	do	428	1.60	1.38	680
8- 8-33	do	517	1.96	1.54	1013
8-19-33	do	287	1.43	1.20	410
8-30-33	Johnston and LeFever	1150	2.45	2.16	2820
9- 9-33	A. E. Johnston	688	2.45	1.64	1420
9-13-33	do	961	2.18	2.04	2100
9-23-33	do	1140	2.45	2.12	2790

NORTH PLATTE RIVER AT LEWELLEN

6-13-33	A. E. Johnston	434	1.69	1.95	733
6-22-33	do	432	1.97	1.99	850
7-14-33	do	464	1.85	2.09	854
7-18-33	do	487	1.62	2.20	786

NORTH PLATTE RIVER AT MARTIN BRIDGE
NORTH OF OGALLALA

6-22-33	A. E. Johnston	409	1.92	0.98	781
6-30-33	A. W. Hall	729	1.93	1.34	1440
7-13-33	A. E. Johnston	591	1.92	1.17	1137
7-19-33	do	485	1.94	1.04	937
7-27-33	do	371	1.87	.98	692
8- 5-33	do	449	1.81	1.08	813
8- 9-33	do	558	1.95	1.30	1084
8-17-33	do	367	1.62	1.05	593
8-31-33	Johnston and LeFever	1120	2.68	1.92	3000
9- 8-33	A. E. Johnston	809	2.52	1.58	2040
9-14-33	do	1060	2.38	1.79	2530
9-22-33	do	1140	2.78	1.91	3110

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1933

NORTH PLATTE RIVER AT SUTHERLAND

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6- 6-33	A. E. Johnston	702	2.10	2.45	1480
6-10-33	do	290	1.80	1.81	524
6-14-33	do	216	1.65	1.72	356
6-21-33	do	88	1.63	1.48	143
7-12-33	do	530	1.83	2.16	967
7-20-33	do	230	1.58	1.85	364
7-26-33	do	216	1.43	1.83	308
7-31-33	do	33	1.06	1.29	35
8- 4-33	do	218	1.49	1.93	325
8-10-33	do	394	1.62	2.08	636
8-16-33	do	291	1.34	1.95	391

NORTH PLATTE RIVER AT NORTH PLATTE

10- 1-32	A. E. Johnston	760	2.10	3.36	1593
10-31-32	do	1010	2.53	3.50	2555
11-28-32	do	1125	2.25	3.54	2538
12- 7-32	do	914	2.36	3.50	2160
1- 4-33	do	1100	2.35	3.94	2587
1-26-33	do	1190	2.17	3.93	2573
2-16-33	do	665	1.80	3.74	1197
3-16-33	do	895	2.61	3.40	2340
4-13-33	do	683	2.20	3.18	1503
5- 5-33	do	1410	2.69	3.88	3791
5-12-33	do	2150	3.25	4.40	7000
5-17-33	do	1500	2.80	3.72	4200
6- 6-33	do	672	2.24	2.98	1510
6- 9-33	do	652	2.09	2.98	1363
6-15-33	do	359	1.72	2.60	618
6-20-33	do	225	1.84	2.41	412
6-30-33	A. W. Hall	488	2.58	2.99	1260
7- 6-33	A. E. Johnston	383	1.90	2.74	726
7-12-33	do	689	2.09	3.12	1439
7-21-33	do	258	1.61	2.46	415
7-25-33	do	370	1.86	2.70	688
8- 4-33	do	369	1.75	2.80	643
8-10-33	do	459	2.04	2.87	935
8-16-33	do	534	1.97	2.98	1051
9- 2-33	Johnston and LeFever	1190	2.50	3.59	2980
9- 7-33	A. E. Johnston	955	2.30	3.38	2200
9-16-33	do	1170	2.45	3.55	2874
9-21-33	do	1230	2.64	3.68	3250

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 1
(Nebraska Measurements)

10- 7-32	A. E. Johnston	0	0	1.30	0
11- 7-32	do	0	0	.95	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1933

NORTH PLATTE RIVER AT JULESBURG—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
12- 7-32	A. E. Johnston	5	0.85	1.60	5
1-18-33	do	43	.64	3.00	28
2-25-33	do	66	.89	4.05	58
3-21-33	do	15	1.29	2.25	20
4-21-33	do	0	0	1.40	0
5- 4-33	A. W. Hall	7	1.61	2.00	11
5- 9-33	do	15	1.53	2.11	23
5-23-33	do	22	1.86	2.34	41
6-12-33	do	0	0	1.45	0
7-12-33	do	4	.20	1.60	1
9- 8-33	do	3	.90	1.62	3

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 1
(Colorado Measurements)

10-26-32	J. E. Whitten			0	0
11-22-32	C. E. McGraw			1.86	3
12-20-32	J. E. Whitten			0	3
1-27-33	C. E. McGraw			0	3
2-23-33	J. E. Whitten			0	75
3-29-33	C. E. McGraw			1.70	0
4-27-33	J. E. Whitten			0	0
5-25-33	C. E. McGraw			2.33	52
6-21-33	J. E. Whitten			0	0
7-21-33	C. E. McGraw			1.60	0
8-23-33	J. E. Whitten			0	0
9-20-33	C. E. McGraw			2.15	36

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 2
(Nebraska Measurements)

10- 7-32	A. E. Johnston	0	0	0	0
11- 7-32	do	36	2.11	1.48	76
12- 7-32	do	57	2.09	1.88	118
1-18-33	do	123	2.71	2.72	333
2-25-33	do	160	2.66	2.90	426
3-21-33	do	89	2.42	2.20	215
4-21-33	do	31	1.77	1.40	55
5- 4-33	A. W. Hall	64	2.18	1.94	138
5- 9-33	do	67	2.22	1.93	149
5-23-33	do	76	2.37	2.16	180
6-12-33	do	24	1.93	1.35	46
6-15-33	do	23	1.87	1.34	43
6-22-33	do	20	1.85	1.31	37
7-12-33	do	50	1.64	1.66	82
7-29-33	do	16	1.50	1.16	25
8-11-33	do	32	2.08	1.53	66
9- 8-33	do	70	1.87	2.10	131
9-15-33	do	61	2.13	1.95	130

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1933

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 2
 (Colorado Measurements)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-26-32	J. E. Whitten			1.08	51
11-22-32	C. E. McGraw			1.90	108.
12-20-32	J. E. Whitten			1.75	102
1-27-33	C. E. McGraw			2.74	296
2-23-33	J. E. Whitten			2.58	356
3-29-33	C. E. McGraw			1.45	55
4-27-33	J. E. Whitten			1.45	53
5-25-33	C. E. McGraw			2.10	179
6-21-33	J. E. Whitten			.87	35
7-21-33	C. E. McGraw			1.11	31
8-23-33	J. E. Whitten			.72	26
9-20-33	C. E. McGraw			2.46	240.

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 3
 (Nebraska Measurements)

10- 7-32	A. E. Johnston	18	1.54	1.25	28
11- 7-32	do	0	0	1.40	0
12- 7-32	do	0	0	1.52	0
1-18-33	do	0	0	0	0
2-25-33	do	0	0	1.50	0
3-21-33	do	0	0	.75	0
4-21-33	do	0	0	3.40	0
5- 4-33	A. W. Hall	0	0	3.48	0
5- 9-33	do	0	0	3.57	0
5-23-33	do	0	0	3.80	0
6-12-33	do	0	0	3.15	0
9-15-33	do	0	0	0	0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 3
 (Colorado Measurements)

10-26-32	J. E. Whitten			0	0
11-22-32	C. E. McGraw			0	0
12-20-32	J. E. Whitten			0	0
1-27-33	C. E. McGraw			0	0.
2-23-33	J. E. Whitten			0	0.
3-29-33	C. E. McGraw			0	0
4-27-33	J. E. Whitten			0	0.
5-25-33	C. E. McGraw			3.09	0
6-21-33	J. E. Whitten			0	0
7-21-33	C. E. McGraw			0	0
8-23-33	J. E. Whitten			0	0
9-20-33	C. E. McGraw			0	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1933

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 4
 (Nebraska Measurements)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10- 7-32	A. E. Johnston	0	0	0	0
11- 7-32	do	0	0	1.35	1
12- 7-32	do	0	0	1.50	1
1-18-35	do	1	.70	1.45	1
2-25-35	do	1	1.10	1.60	1
3-21-33	do	1	.80	1.00	1
4-21-33	do	6	2.33	1.80	14
5- 4-33	A. W. Hall	14	2.07	1.88	28
5- 9-33	do	16	2.06	1.88	33
5-23-33	do	24	2.17	2.15	52
6-12-33	do	5	1.60	1.09	8
6-15-33	do	5	1.20	1.00	6
6-22-33	do	3	1.33	.93	4
7-12-33	do	8	1.77	1.27	14
7-29-33	do	2	1.20	.80	2
8-11-33	do	7	1.36	1.01	10
9- 8-33	do	14	1.84	1.50	27
9-15-33	do	13	1.88	1.25	25

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 4
 (Colorado Measurements)

10-26-32	J. E. Whitten			1.38	0
11-22-32	C. E. McGraw			0	0
12-20-32	J. E. Whitten			1.40	0
1-27-33	C. E. McGraw			0	0
2-23-33	J. E. Whitten			1.68	1
3-29-33	C. E. McGraw			1.45	10
4-27-33	J. E. Whitten			1.25	13
5-25-33	C. E. McGraw			2.09	52
6-21-33	J. E. Whitten			.85	4
7-21-33	C. E. McGraw			.75	2
8-23-33	J. E. Whitten			.62	2
9-20-33	C. E. McGraw			1.85	57

SOUTH PLATTE RIVER AT OGALLALA

10-29-32	A. E. Johnston	14	1.58	0.96	23
11-26-32	do	34	2.11	1.25	72
12- 8-32	do	34	1.81	1.80	61
1- 5-33	do	114	2.39	1.92	273
1-27-33	do	147	2.55	2.05	374
2-14-33	do	113	1.90	2.58	214
3-14-33	do	224	2.41	2.35	539
4-12-33	do	34	1.85	1.08	63
5-10-33	do	133	2.06	1.85	274

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1933

SOUTH PLATTE RIVER AT OGALLALA—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-19-33	A. E. Johnston	211	2.51	2.30	530
6- 5-33	do	50	1.73	1.60	87
6-14-33	do	16	1.68	.74	27
6-21-33	do	16	1.81	.82	29
7-14-33	do	18	1.61	.80	29
7-20-33	do	17	1.47	.72	25
7-26-33	do	25	1.60	.90	40
8- 9-33	do	20	1.55	.82	31
8-18-33	do	12	1.45	.76	17
9- 1-33	Johnston and LeFever	191	1.87	2.17	357
9- 8-33	A. E. Johnston	154	2.00	2.04	339
9-15-33	do	96	1.80	1.60	180
9-22-33	do	170	2.32	2.10	395

SOUTH PLATTE RIVER AT NORTH PLATTE

10- 1-32	A. E. Johnston	0	0	0.55	0
10-31-32	do	0	0	.80	0
11-28-32	do	0	0	.60	0
1-23-33	do	183	1.61	2.26	295
2-16-33	do	41	1.38	2.60	57
3-15-33	do	284	1.86	2.25	529
4-13-33	do	19	1.20	1.70	23
5- 6-33	do	156	1.86	2.10	290
5-12-33	do	245	1.82	2.25	447
5-17-33	do	342	1.90	2.40	660
6- 6-33	do	50	1.18	1.78	59
6-15-33	do	24	1.21	1.60	29
6-20-33	do	0	0	1.28	3
7- 6-33	do	0	0	.68	0
7-12-33	do	0	0	.74	0
8-11-33	do	2	.98	1.06	2
9- 4-33	Johnston and LeFever	139	1.40	2.05	194
9-18-33	A. E. Johnston	97	1.53	1.88	148

PLATTE RIVER SOUTH OF GOTHENBURG
NORTH CHANNEL

7- 7-33	A. E. Johnston	149	2.05	1.40	305
7-11-33	do	161	2.00	1.30	324
7-22-33	do	111	1.86	1.15	207
7-25-33	do	132	2.02	1.32	267
8- 1-33	do	111	1.63	1.10	181
8- 2-33	do	155	2.05	1.45	318
8- 3-33	do	161	2.08	1.51	336
8- 3-33	do	168	2.02	1.50	338
8-11-33	do	145	1.99	1.38	288
8-15-33	do	85	1.93	1.05	164

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1933

PLATTE RIVER SOUTH OF GOTHENBURG
SOUTH CHANNEL

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7- 7-33	A. E. Johnston	17	1.97	0.50	23
7-11-33	do	84	1.45	.66	119
7-22-33	do	6	.83	.20	5
7-25-33	do	87	1.36	.68	118
8- 1-33	do	5	.98	.20	4
8- 3-33	do	106	1.47	.80	156
8-11-33	do	99	1.39	.68	137
8-15-33	do	92	1.24	.69	114

PLATTE RIVER AT COZAD

NORTH CHANNEL

5-15-33	A. E. Johnston	495	2.67	2.10	1320
6- 7-33	do	176	2.26	1.40	398
6- 9-33	do	180	2.20	1.45	393
6-16-33	do	39	2.00	.94	78
6-19-33	do	15	1.13	.65	17
7- 9-33	do	2	1.00	.62	2
7-10-33	do	6	1.33	.65	8
7-22-33	do	2	.99	.60	2
7-24-33	do	7	1.25	.65	8
7-25-33	do	7	1.26	.65	9
8- 1-33	do	3	1.16	.60	4
8- 2-33	do	5	1.15	.62	6
8-12-33	do	15	.90	.72	14
8-15-33	do	9	.81	.70	7

PLATTE RIVER AT COZAD

SOUTH CHANNEL

5-15-33	A. E. Johnston	1440	3.00	2.20	4330
6- 7-33	do	391	2.30	.95	899
6- 9-33	do	416	2.10	1.01	873
6-16-33	do	108	1.00	.34	180
6-19-33	do	10	.70	.10	7
7- 7-33	do	3	1.00	-.15	3
7-10-33	do	2	.70	-.10	1
7-22-33	do	0	0	-.20	2
7-24-33	do	0	0	-.10	3
7-25-33	do	4	.88	-.10	4
8- 1-33	do	0	0	-.35	0
8- 3-33	do	0	0	-.20	0
8-12-33	do	9	.99	-.10	9
8-15-33	do	4	.28	-.10	2

PLATTE RIVER AT OVERTON

11- 1-32	A. E. Johnston	1010	2.09	3.64	2115
11-30-32	do	1180	2.32	3.70	2740
1-25-33	do	902	2.39	3.90	2160
2-20-33	do	926	1.66	4.40	1537

MEASUREMENTS OF PLATTE RIVERS—Concluded
Season Ending September 30, 1933

PLATTE RIVER AT OVERTON—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-17-33	A. E. Johnston	1280	2.24	3.70	2870
4-17-33	do	542	1.93	3.20	1044
5- 4-33	do	1360	2.42	3.74	3292
5-13-33	do	2440	3.11	4.56	7596
5-15-33	do	2290	2.95	3.95	6750
6- 8-33	do	629	2.29	3.20	1439
6-17-33	do	78	1.43	2.25	111
6-19-33	do	17	.68	1.89	8
7- 7-33	do	0	0	1.36	0
7-10-33	do	0	0	1.38	0
7-20-33	do	0	0	1.18	0
7-24-33	do	0	0	1.28	0
8- 2-33	do	0	0	1.34	0
8-12-33	do	0	0	1.38	0
8-14-33	do	0	0	1.34	0
9- 5-33	Johnston and LeFever	1320	2.12	3.74	2800
9-19-33	A. E. Johnston	1180	2.00	3.50	2360

PLATTE RIVER AT GRAND ISLAND

5- 3-33	A. E. Johnston	1020	2.24	3.10	2281
6-17-33	do	129	1.28	2.05	166
6-19-33	do	44	.82	1.84	36
7- 8-33	do	0	0	1.36	0
8-14-33	do	0	0	1.04	0
9- 9-33	Eisenhuth and Follansbee	0	0	2.84	957

PLATTE RIVER AT DUNCAN

10-25-32	M. C. Boyer	953	1.79	2.42	1710
1-14-33	S. C. Moore	1280	1.79	3.26	2300
2-18-33	do	496	1.15	3.05	571
3- 2-33	L. F. Hanks	1630	2.71	3.15	4410
4-14-33	do	546	1.67	2.18	911
5-17-33	M. C. Boyer	2250	2.40	3.48	5410
5-23-33	do	1800	2.38	3.06	4280
6- 7-33	L. F. Hanks	1240	2.02	2.79	2550
7-25-33	S. C. Moore	5	1.16	.79	6
8-29-33	Baily and Boyer	3	.86	.78	3
9- 9-33	H. P. Eisenhuth	0	0	.64	1

PLATTE RIVER AT ASHLAND

10-28-32	M. C. Boyer	0	0	0	5680
12- 2-32	do	2140	2.32	2.43	4970
2-16-33	S. C. Moore	0	0	2.58	1680
3- 1-33	L. F. Hanks	4450	2.88	2.53	12700
3-14-33	M. C. Boyer	2750	2.30	2.49	6330
4-12-33	L. F. Hanks	0	0	2.45	4220
7-24-33	S. C. Moore	0	0	1.80	2820
8-28-33	J. H. Baily	0	0	2.00	2680
9-19-33	H. P. Eisenhuth	0	0	3.32	8680

**ACTUAL DISCHARGE MEASUREMENTS ON THE NORTH PLATTE,
SOUTH PLATTE, AND PLATTE RIVERS
Season Ending September 30, 1934**

NORTH PLATTE RIVER AT TORRINGTON, WYOMING

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10- 3-33	F. F. LeFever	329	2.71	0.72	890
10-12-33	do	182	2.40	.38	438
10-19-33	do	218	2.69	.48	587
11- 2-33	do	200	2.43	.42	500
11-22-33	do	196	2.56	.44	502
12-13-33	do	210	2.75	.52	578
12-29-33	do	186	2.69	.45	501
1-18-34	do	153	2.73	.40	426
1-31-34	do	152	3.05	.43	464
2-19-34	do	139	2.96	.39	412
3-20-34	A. W. Hall	155	3.05	.37	472
4- 9-34	do	181	2.29	.36	415
4-30-34	F. F. LeFever	118	1.64	.20	194
5-14-34	do	72	1.39	.00	101
5-21-34	do	411	2.75	.98	1130
5-30-34	do	488	3.08	1.12	1500
6- 8-34	do	383	2.61	.70	1000
6-14-34	do	351	2.67	.68	938
6-22-34	do	300	2.43	.60	729
7- 3-34	do	130	2.88	.34	375
7-13-34	do	165	3.10	.45	512
7-24-34	do	459	2.74	.87	1260
8- 6-34	do	178	1.89	.31	336
8-21-34	do	106	1.44	.08	153
9- 6-34	do	115	3.01	.34	346
9-17-34	do	121	2.90	.38	351

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

10- 4-33	F. F. LeFever	386	2.18	1.52	842
10-12-33	do	260	2.01	1.14	522
10-19-33	do	318	1.99	1.35	632
11- 2-33	do	284	2.06	1.33	585
11-23-33	do	337	1.88	1.38	634
12-14-33	do	281	2.19	1.47	615
12-29-33	do	256	1.95	1.28	509
1-18-34	do	251	1.78	1.20	454
2- 2-34	do	216	2.20	1.33	476
2-19-34	do	226	2.05	1.18	463
3-20-34	A. W. Hall	267	1.93	1.26	516
4- 9-34	do	232	1.92	1.07	445
4-30-34	F. F. LeFever	51	1.80	.42	92
5- 2-34	Carl Gaensslen	0	0	.40	86
5-10-34	A. E. Johnston	70	1.45	.41	99
5-14-34	F. F. LeFever	29	1.30	.15	38
5-15-34	Carl Gaensslen	0	0	.04	21

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

NORTH PLATTE RIVER AT HENRY—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-22-34	LeFever and Gaensslen	0	0	1.78	992
5-30-34	do	0	0	1.96	1330
6- 9-34	Carl Gaensslen	0	0	1.49	680
6-13-34	do	0	0	1.52	684
6-14-34	F. F. LeFever	379	1.94	1.54	737
6-28-34	Carl Gaensslen	0	0	1.18	467
7- 3-34	do	0	0	.96	298
7-11-34	do	0	0	1.23	504
7-24-34	F. F. LeFever	555	2.20	1.84	1220
8- 4-34	Carl Gaensslen	0	0	.99	316
8-21-34	F. F. LeFever	47	1.43	.36	66
8-30-34	Carl Gaensslen	0	0	.77	176
9- 3-34	do	0	0	.80	215
9-15-34	F. F. LeFever	120	1.99	.86	239

NORTH PLATTE RIVER SOUTH OF HENRY

4-30-34	F. F. LeFever	17	1.26	0	21
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NORTH PLATTE RIVER BELOW TRI-STATE DAM

7-24-34	F. F. LeFever	3	1.17	0	3
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NORTH PLATTE RIVER AT MITCHELL

10- 4-33	F. F. LeFever	575	2.62	1.34	1510
10-20-33	do	474	2.19	1.13	1040
11- 2-33	do	462	1.98	1.09	913
11-23-33	do	441	2.06	1.07	908
12-15-33	do	422	2.10	1.07	887
12-30-33	do	389	2.09	.98	818
1-19-34	do	372	1.98	.96	758
2- 2-34	do	380	1.97	.90	749
2-20-34	do	358	1.91	.90	683
3-21-34	A. W. Hall	367	1.87	.93	687
4-10-34	do	334	1.81	.80	610
5- 1-34	F. F. LeFever	111	1.35	.40	150
5-10-34	A. E. Johnston	57	1.20	.35	68
5-15-34	F. F. LeFever	47	1.15	.28	55
5-22-34	do	44	1.21	.44	53
5-31-34	do	136	1.44	.46	196
6- 9-34	do	89	1.44	.47	128
6-23-34	do	105	1.40	.38	147
7- 4-34	do	62	1.35	.30	84
7-13-34	do	56	1.37	.30	77
7-25-34	do	124	1.53	.40	190
8- 7-34	do	74	1.38	.30	102
8-21-34	do	43	1.38	.15	59
9- 6-34	do	47	1.31	.19	62
9-18-34	do	54	1.37	.23	73

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

NORTH PLATTE RIVER AT MINATARE

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10- 5-33	F. F. LeFever	762	2.13	1.52	1620
10-20-33	do	571	1.96	1.28	1120
11- 3-33	do	528	1.89	1.13	999
11-24-33	do	526	1.89	1.20	984
12-15-33	do	522	1.90	1.18	984
1- 9-34	do	492	1.82	1.12	897
1-20-34	do	427	1.82	1.02	780
2- 3-34	do	468	1.90	1.08	890
2-20-34	do	425	1.73	1.04	735
3-22-34	A. W. Hall	459	1.68	1.06	775
4-11-34	do	408	1.81	1.00	737
5- 2-34	F. F. LeFever	142	1.38	.52	196
5-16-34	do	12	.61	.06	7
5-23-34	do	9	.24	.08	2
6- 1-34	do	50	1.28	.33	64
6-11-34	do	109	1.43	.58	156
6-26-34	do	121	1.11	.58	134
7-10-34	do	79	1.15	.42	91
7-17-34	do	25	1.03	.36	25
7-25-34	do	38	1.25	.30	48
8- 8-34	do	11	1.13	.27	12
8-22-34	do	9	1.03	.25	9
9-10-34	do	89	1.30	.52	116
9-19-34	do	39	1.31	.37	51

NORTH PLATTE RIVER AT MINATARE

NINE MILE CHANNEL

10- 5-33	F. F. LeFever	91	2.95	2.30	268
10-20-33	do	88	2.73	2.15	240
11- 3-33	do	83	2.70	2.05	224
11-24-33	do	82	2.73	2.03	221
12-15-33	do	75	2.53	1.90	191
1- 9-34	do	73	2.73	1.83	199
1-20-34	do	70	2.23	1.72	156
2- 3-34	do	74	2.43	1.80	180
2-20-34	do	71	2.48	1.73	176
3-22-34	A. W. Hall	71	2.42	1.63	169
4-11-34	do	61	2.30	1.52	140
5- 2-34	F. F. LeFever	12	1.01	.03	13
5-16-34	do	17	1.19	.18	21
5-23-34	do	15	1.00	.03	15
6- 1-34	do	45	1.70	1.03	77
6-11-34	do	45	1.70	.95	76
6-26-34	do	48	1.45	1.00	69
7-10-34	do	26	1.44	.56	38
7-17-34	do	26	1.49	.56	38
7-25-34	do	54	1.87	1.26	101
8- 8-34	do	33	1.56	.86	53
8-22-34	do	30	.16	.85	49
9-10-34	do	68	2.01	1.77	136
9-19-34	do	51	1.62	1.28	83

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

NORTH PLATTE RIVER AT BRIDGEPORT

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10- 6-33	F. F. LeFever	1051	2.20	6.15	2308
10-21-33	do	803	2.13	5.93	1708
11- 4-33	do	788	2.01	5.82	1584
11-27-33	do	767	1.90	5.85	1458
12-16-33	do	656	2.20	5.71	1446
1-10-34	do	626	2.00	5.82	1251
1-23-34	do	613	1.98	5.70	1216
2- 5-34	do	606	1.98	5.64	1197
3- 5-34	A. W. Hall	675	1.99	5.74	1347
3-24-34	A. E. Johnston	624	2.03	5.73	1268
4-12-34	A. W. Hall	557	1.80	5.70	1002
5- 1-34	do	229	1.37	5.16	313
5-10-34	A. E. Johnston	145	1.34	5.16	194
5-18-34	F. F. LeFever	65	1.43	4.93	93
5-20-34	F. B. Shaffer	53	1.21	4.87	64
5-25-34	F. F. LeFever	47	1.40	4.90	66
6- 2-34	do	59	1.37	4.72	81
6- 4-34	do	320	1.75	5.59	913
6-15-34	do	150	1.43	5.11	214
6-28-34	do	147	1.32	5.04	194
7-11-34	do	114	1.34	4.80	153
7-18-34	do	28	1.48	4.62	42
7-27-34	do	38	1.28	4.70	51
8- 9-34	do	15	1.56	4.61	24
8-13-34	do	76	1.51	4.86	115
8-25-34	do	15	1.16	4.71	17
9-11-34	do	168	1.44	5.09	242
9-21-34	do	104	1.45	4.87	151

NORTH PLATTE RIVER AT BRIDGEPORT

BROWNS CREEK CHANNEL

10- 6-33	F. F. LeFever	52	2.04	1.66	107
10-21-33	do	45	1.90	1.46	86
11- 4-33	do	43	1.97	1.25	85
11-27-33	do	44	2.06	1.34	90
12-16-33	do	39	1.96	1.08	78
1-10-34	do	33	1.95	.93	64
1-23-34	do	28	1.98	.83	55
2- 5-34	do	32	1.96	.87	62
3- 5-34	A. W. Hall	26	1.70	.62	43
3-24-34	A. E. Johnston	30	1.74	.72	52
4-12-34	A. W. Hall	22	1.68	.60	38
5- 1-34	do	23	1.52	.62	35
5-10-34	A. E. Johnston	13	1.52	.20	20
5-18-34	F. F. LeFever	7	1.25	0	8
5-20-34	F. B. Shaffer	4	1.10	.09	5
5-25-34	F. F. LeFever	17	1.35	.37	23

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

NORTH PLATTE RIVER AT BRIDGEPORT—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6- 2-34	F. F. LeFever	46	1.54	1.45	71
6- 4-34	do	62	1.67	1.87	104
6-15-34	do	46	1.63	1.39	75
6-28-34	do	33	1.78	1.06	59
7-11-34	do	27	1.43	.77	39
7-18-34	do	25	1.36	.70	34
8- 9-34	do	15	1.56	1.01	52
8-13-34	do	0	0	0	0
8-25-34	do	15	1.16	1.21	62
9-11-34	do	52	1.49	1.86	77
9-21-34	do	46	1.43	1.65	66

NORTH PLATTE RIVER AT LISCO

10- 7-33	F. F. LeFever	1140	2.22	2.05	2530
10-25-33	do	813	2.25	1.81	1830
11-11-33	do	881	2.11	1.86	1860
11-27-33	do	776	2.15	1.84	1670
12-16-33	do	767	2.17	1.82	1640
1-10-34	A. E. Johnston	1080	1.85	2.42	2000
1-24-34	F. F. LeFever	878	1.84	2.02	1620
2- 6-34	do	704	2.02	1.71	1420
3- 5-34	A. E. Johnston	752	2.11	1.70	1590
4-13-34	A. W. Hall	593	1.90	1.56	1120
4-26-34	A. E. Johnston	455	2.00	1.34	869
5- 9-34	do	290	1.69	1.02	490
5-17-34	A. W. Hall	130	1.39	.69	181
5-24-34	F. F. LeFever	60	1.42	.57	86
6- 2-34	do	97	1.45	.72	141
6- 9-34	A. W. Hall	257	1.58	1.06	425
6-20-34	F. F. LeFever	292	1.33	1.09	388
6-28-34	A. W. Hall	171	1.42	.88	242
7-11-34	F. F. LeFever	80	1.41	.81	113
7-16-34	do	113	1.37	.88	155
7-19-34	do	27	.80	.38	21
7-27-34	do	25	1.10	.42	27
8- 6-34	A. W. Hall	12	1.09	.35	13
8-13-34	F. F. LeFever	121	1.27	.82	155
8-25-34	do	23	1.21	.56	28
9-10-34	A. E. Johnston	91	1.32	.90	121

NORTH PLATTE RIVER AT OSHKOSH

10- 6-33	A. E. Johnston	1000	2.49	2.14	2490
10-26-33	do	926	2.48	1.95	2300
11-21-33	do	1080	2.09	1.92	2260
12-13-33	do	915	2.14	2.00	1960
1-10-34	do	993	1.80	2.48	1790
1-29-34	do	748	2.19	2.05	1640
2- 9-34	do	713	2.21	1.90	1580
3- 5-34	do	876	1.99	1.90	1740

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

NORTH PLATTE RIVER AT OSHKOSH—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4- 2-34	A. W. Hall	767	1.83	1.80	1404
4- 4-34	A. E. Johnston	795	1.86	1.91	1480
4-14-34	do	698	1.90	1.74	1323
4-27-34	do	501	1.61	1.56	808
5- 9-34	do	373	1.38	1.30	514
5-14-34	do	246	1.54	1.22	378
5-17-34	A. W. Hall	149	1.31	1.00	189
5-19-34	A. E. Johnston	106	1.23	.90	130
5-21-34	do	81	1.06	.84	86
5-28-34	A. W. Hall	63	1.41	.82	89
6- 9-34	do	279	1.41	1.26	392
6-18-34	F. F. LeFever	457	1.57	1.56	716
6-28-34	A. W. Hall	182	1.46	1.15	265
7-11-34	F. F. LeFever	44	1.07	.90	47
7-13-34	A. W. Hall	79	1.28	.97	102
7-20-34	F. F. LeFever	1	.40	.50	0
8- 6-34	A. W. Hall	0	0	.65	0
8- 9-34	A. E. Johnston	0	0	.48	0
8-11-34	do	0	0	.34	0
8-12-34	do	189	1.20	1.15	227
8-14-34	do	102	1.19	1.02	122
8-15-34	do	60	1.19	.96	72
8-25-34	F. F. LeFever	0	0	.32	0
9- 5-34	A. E. Johnston	8	.75	.68	6
9-10-34	do	52	1.08	.88	57
9-21-34	do	172	1.15	1.14	198
9-28-34	do	213	1.30	1.22	277

NORTH PLATTE RIVER AT OSHKOSH
MIDLAND CHANNEL

5-28-34	A. W. Hall	23	1.70	1.37	40
6- 9-34	do	8	1.53	2.15	12
6-18-34	F. F. LeFever	14	1.70	2.41	24
6-19-34	do	13	1.59	2.41	21
6-28-34	A. W. Hall	4	1.62	2.00	7
7-11-34	F. F. LeFever	10	1.06	2.50	10
9- 2-34	A. W. Hall	12	1.09	2.50	13
9- 5-34	A. E. Johnston	14	1.69	2.34	24
9- 8-34	do	6	1.39	1.88	8
9-10-34	do	13	1.88	2.15	24
9-21-34	do	9	1.40	1.75	12
9-28-34	do	15	1.61	2.14	24

NORTH PLATTE RIVER AT LEWELLEN

8-13-34	A. E. Johnston	103	1.24	1.65	128
8-14-34	do	133	1.12	1.74	150
8-15-34	do	119	1.21	1.72	145

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

NORTH PLATTE RIVER AT BELMAR

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
8-13-34	A. E. Johnston	38	1.20	0.62	46
8-14-34	do	110	1.24	.85	137
8-15-34	do	115	1.23	.81	142

NORTH PLATTE RIVER AT LEMOYNE

8-14-34	A. E. Johnston	31	1.16	0.80	36
8-15-34	do	124	1.16	1.05	142

NORTH PLATTE RIVER AT MARTIN

10- 9-33	A. E. Johnston	677	3.01	1.94	2040
10-25-33	do	615	3.67	1.62	2260
11-22-33	do	949	2.52	1.68	2390
12-13-33	do	852	2.30	1.62	1960
1- 9-34	do	1060	1.96	2.20	2080
1-30-34	do	861	2.19	1.63	1890
2- 8-34	do	870	2.16	1.56	1880
3- 6-34	do	819	2.25	1.46	1840
3-19-34	A. W. Hall	704	2.23	1.42	1570
4- 5-34	A. E. Johnston	422	4.52	1.55	1881
4-13-34	do	589	2.23	1.38	1314
4-28-34	do	476	1.85	1.06	880
5- 7-34	do	526	2.07	1.00	1090
5-14-34	do	296	1.69	.74	500
5-17-34	A. W. Hall	200	1.44	.55	288
5-19-34	A. E. Johnston	171	1.57	.58	269
5-21-34	do	126	1.58	.50	199
5-28-34	A. W. Hall	109	1.31	.39	143
5-30-34	A. E. Johnston	130	1.52	.46	197
6- 9-34	do	291	1.56	.78	456
6-13-34	do	246	1.50	.70	370
6-24-34	do	327	1.92	.83	629
7- 2-34	A. W. Hall	151	1.49	.51	225
7-13-34	do	83	1.35	.49	112
7-17-34	do	55	1.16	.42	64
7-20-34	F. F. LeFever	14	.89	.27	13
8-15-34	A. E. Johnston	37	1.51	.10	56
8-16-34	do	84	1.39	.44	117
8-17-34	do	22	.69	.26	15
8-18-34	do	6	.95	.21	6
8-24-34	F. F. LeFever	4	.61	.01	3
9- 5-34	A. E. Johnston	3	.99	.18	2
9-10-34	do	80	1.37	.50	109
9-17-34	do	266	1.68	.88	448
9-21-34	do	206	1.55	.75	319
9-27-34	do	186	1.35	.68	251

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

**NORTH PLATTE RIVER AT
 KEITH-LINCOLN CO. CANAL HEADGATE**

Sec. 18-14-36 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
8-17-34	A. E. Johnston	12	0.71	0	9
8-18-34	do	11	1.15	0	12

NORTH PLATTE RIVER AT SUTHERLAND

5-17-34	A. E. Johnston	61	0.82	1.20	50
5-19-34	do	8	.89	.95	8
5-21-34	do	4	1.00	.90	4
5-24-34	do	10	1.01	.95	10
6- 7-34	do	6	.94	.97	6
6- 9-34	do	41	1.08	1.13	44
6-17-34	do	436	1.53	2.10	665
6-20-34	do	290	1.77	1.97	513
6-24-34	do	148	1.29	1.63	191
6-26-34	do	119	1.14	1.58	136
7- 1-34	do	6	1.57	1.42	12
7- 3-34	A. W. Hall	8	.62	1.40	5
7-10-34	do	9	.84	1.45	7
7-12-34	do	8	.74	1.42	6
7-13-34	A. E. Johnston	16	.78	1.43	12
7-17-34	do	4	.46	1.42	2
8- 7-34	A. W. Hall	0	0	0	0
8-17-34	A. E. Johnston	8	.80	1.40	6
9-20-34	do	123	1.43	1.83	176
9-26-34	do	61	1.35	1.81	83
9-30-34	do	79	1.30	1.82	103

NORTH PLATTE RIVER AT NORTH PLATTE

10-10-33	A. E. Johnston	1230	2.48	3.61	3060
10-23-33	do	721	3.41	3.50	2460
11-24-33	do	1093	2.31	3.46	2521
12-14-33	do	738	2.62	3.32	1938
1- 6-34	do	1180	2.29	3.90	2700
2- 1-34	do	958	2.37	3.34	2280
2- 7-34	do	956	2.32	3.30	2220
3- 8-34	do	926	2.54	3.38	2350
4- 7-34	do	879	2.26	3.44	1990
4-12-34	do	684	2.19	3.25	1499
4-30-34	do	494	1.81	3.02	892
5- 1-34	do	388	1.65	2.86	639
5- 5-34	do	796	2.27	3.35	1810
5- 7-34	do	841	2.22	3.38	1870
5-15-34	do	255	1.65	2.60	420
5-17-34	do	212	1.41	2.56	310
5-19-34	do	150	1.44	2.42	216
5-22-34	do	136	1.54	2.38	209
5-24-34	do	109	1.28	2.36	140

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

NORTH PLATTE RIVER AT NORTH PLATTE—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-28-34	A. E. Johnston	68	1.41	2.28	96
5-29-34	do	64	1.43	2.28	91
5-31-34	do	49	1.31	2.23	64
6- 1-34	do	46	1.24	2.24	57
6- 4-34	do	141	1.30	2.47	184
6- 6-34	do	130	1.21	2.42	157
6- 9-34	do	56	1.26	2.30	70
6-11-34	do	48	1.23	2.30	59
6-14-34	do	139	1.34	3.00	186
6-17-34	do	561	1.78	3.07	995
6-20-34	do	530	1.64	3.02	868
6-25-34	do	295	1.43	2.73	421
6-27-34	do	209	1.23	2.61	257
6-29-34	do	105	1.48	2.41	156
7- 5-34	A. W. Hall	83	1.38	2.36	115
7-13-34	A. E. Johnston	129	1.46	2.62	189
7-15-34	do	101	1.40	2.48	141
7-17-34	do	99	1.31	2.46	130
7-19-34	Johnston and Boyer	41	1.39	2.34	57
7-26-34	A. E. Johnston	51	1.07	2.34	54
8- 7-34	A. W. Hall	37	1.20	2.33	44
8-18-34	A. E. Johnston	260	1.72	2.80	448
9-15-34	do	124	1.63	2.58	202
9-25-34	do	226	1.66	2.78	375
9-29-34	do	213	1.57	2.78	334

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 1
 (Nebraska Measurements)

10-16-33	A. W. Hall	0	0	1.35	0
11-13-33	A. E. Johnston	16	1.23	1.85	20
12- 2-33	do	17	1.62	2.08	28
1-20-34	do	31	1.65	2.25	51
2-24-34	do	15	.35	1.82	5
3-28-34	do	9	1.26	1.26	11
4-27-34	A. W. Hall	0	0	.84	0
5-11-34	do	1	.70	1.04	1
5-16-34	do	0	0	.92	0
6-19-34	do	65	2.09	2.55	136
6-24-34	do	9	1.75	1.34	15
8-25-34	do	0	0	.20	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 1
 (Colorado Measurements)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-25-33	J. E. Whitten			1.42	1
11-21-33	C. E. McGraw			1.52	2
12-29-33	J. E. Whitten			1.96	5
2-10-34	C. E. McGraw			1.27	7
3- 1-34	J. E. Whitten			1.97	50
4- 5-34	do			1.07	2
5-23-34	do			.73	0
6-21-34	F. C. Hart			1.92	55
7-25-34	J. E. Whitten			.31	0
8-28-34	F. C. Hart			.16	0
10- 1-34	Burgess and Hart			.19	0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 2
 (Nebraska Measurements)

10-16-33	A. W. Hall	67	1.94	1.75	107
11-13-33	A. E. Johnston	86	2.56	2.22	220
12- 2-33	do	86	.24	2.24	20
1-20-34	do	90	2.64	2.35	237
2-24-34	do	97	2.09	2.36	202
3-28-34	do	64	1.98	1.80	127
4-27-34	A. W. Hall	21	1.79	1.08	38
5-11-34	do	52	2.00	1.54	104
5-16-34	do	34	1.78	1.26	61
6-19-34	do	175	2.47	3.03	432
6-24-34	do	67	2.13	1.81	143
7-26-31	do	13	1.70	.77	23
8-25-34	do	14	1.50	.84	22

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 2
 (Colorado Measurements)

10-25-33	J. E. Whitten			1.92	135
11-21-33	C. E. McGraw			1.86	114
12-29-33	J. E. Whitten			2.52	250
2-10-34	C. E. McGraw			1.86	130
3- 1-34	J. E. Whitten			2.38	247
4- 5-34	do			1.62	102
5-22-34	do			1.02	30
6-21-34	F. C. Hart			2.44	286
7-25-34	J. E. Whitten			.80	20
8-28-34	F. C. Hart			.95	24

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 3
 (Nebraska Measurements)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-16-33	A. W. Hall	12	1.85	0.95	22
11-13-33	A. E. Johnston	0	0	2.50	0
12- 2-33	do	0	0	3.45	0
1-20-34	do	0	0	3.58	0
2-24-34	do	0	0	0	0
3-28-34	do	0	0	0	0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 3
 (Colorado Measurements)

No measurement reported

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 4
 (Nebraska Measurements)

11-13-33	A. E. Johnston	18	2.36	1.30	42
12- 2-33	do	27	2.40	1.35	61
1-20-34	do	27	2.62	1.50	75
2-24-34	do	22	2.05	1.68	44
3-28-34	do	13	1.92	1.32	25
4-27-34	A. W. Hall	4	1.04	.62	4
5-11-34	do	11	1.70	1.03	18
5-16-34	do	6	1.61	.69	9
6-19-34	do	60	2.14	3.02	127
6-24-34	do	19	2.37	1.55	45
7-26-34	do	2	1.36	.45	2
8-25-34	do	2	.82	.48	2

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

CHANNEL NO. 4
 (Colorado Measurements)

10-25-33	J. E. Whitten			1.05	30
11-21-33	C. E. McGraw			.96	19
12-29-33	J. E. Whitten			1.52	64
2- 9-34	C. E. McGraw			1.16	21
3- 1-34	J. E. Whitten			2.03	56
4- 5-34	do			1.07	18
5-23-34	do			.53	2
6-21-34	F. C. Hart			2.31	70
7-25-34	J. E. Whitten			.44	1
8-28-34	F. C. Hart			.50	3

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

SOUTH PLATTE RIVER AT OGALLALA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10- 9-33	A. E. Johnston	65	2.20	1.38	143
10-25-33	do	68	2.28	1.52	154
11-22-33	do	58	2.19	1.36	127
12-14-33	do	177	2.39	2.20	423
1- 9-34	do	149	2.31	2.15	344
1-30-34	do	163	2.43	2.10	396
3- 7-34	do	202	1.79	2.40	363
4- 6-34	do	48	2.04	1.20	97
4-28-34	do	16	1.11	.58	19
5- 8-34	do	107	2.12	1.70	227
5-29-34	do	15	1.51	.76	23
5-31-34	do	6	1.16	.50	7
6- 9-34	do	2	1.72	.44	40
6-14-34	do	4	1.00	.46	4
6-17-34	do	164	2.51	2.10	412
6-24-34	do	151	2.58	1.90	290
7-13-34	do	10	1.31	.50	13
7-24-34	do	2	1.50	.28	5
8-11-34	do	3	1.51	.24	4
8-18-34	do	3	1.43	.26	4
9-11-34	do	5	1.69	.44	9
9-26-34	do	4	1.86	.34	7

SOUTH PLATTE RIVER AT NORTH PLATTE

10-10-33	A. E. Johnston	55	1.32	1.78	72
10-23-33	do	48	1.39	1.76	67
11-23-33	do	70	1.57	1.84	110
12-14-33	do	272	1.34	2.50	364
1- 8-34	do	280	1.38	2.70	387
1-31-34	do	254	1.81	2.40	462
3- 8-34	do	211	1.93	2.28	408
4- 7-34	do	34	.74	1.84	45
4-30-34	do	5	.92	1.46	5
5-15-34	do	59	1.46	1.95	87
5-19-34	do	19	1.04	1.74	20
5-22-34	do	1	.80	1.54	1
6-21-34	do	358	1.98	2.54	709
6-24-34	do	311	1.71	2.34	532
6-26-34	do	170	1.44	2.04	245
6-29-34	do	81	1.40	1.88	113
7- 1-34	do	37	1.48	1.72	55
9-15-34	do	2	.91	1.30	2

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

PLATTE RIVER AT BRADY ISLAND
CHANNEL NO. 1 (NORTH)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-29-34	A. E. Johnston	68	0.95	0.33	65
5-31-34	do	50	.80	.21	40
6- 2-34	do	49	.68	.18	33
6- 3-34	do	61	.99	.30	60
6- 5-34	do	110	1.31	.52	145
6- 8-34	do	82	1.07	.48	98
6-11-34	do	47	.75	.20	35
6-15-34	do	98	2.22	.68	217
6-18-34	do	400	1.82	1.42	727
6-27-34	do	228	1.33	1.00	304
7-14-34	do	76	1.23	.52	94
7-15-34	do	66	1.24	.50	82
7-18-34	do	62	1.24	.48	77
7-20-34	do	13	.70	.20	9
7-22-34	do	1	.40	.05	0
7-27-34	do	50	.71	.35	36
8- 8-34	A. W. Hall	0	0	.50	0
9-24-34	A. E. Johnston	211	1.71	1.05	361

PLATTE RIVER AT BRADY ISLAND
CHANNEL NO. 2

6-27-34	A. E. Johnston	12	1.27	0.55	15
8- 8-34	A. W. Hall	0	0	.45	0
9-24-34	A. E. Johnston	0	0	.79	0

PLATTE RIVER AT BRADY ISLAND
CHANNEL NO. 3

6-27-34	A. E. Johnston	18	1.08	0.55	20
8- 8-34	A. W. Hall	0	0	.40	0
9-24-34	A. E. Johnston	0	0	1.90	0

PLATTE RIVER AT BRADY ISLAND
CHANNEL NO. 4

6-27-34	A. E. Johnston	84	1.64	0.72	138
8- 8-34	A. W. Hall	0	0	.40	0
9-24-34	A. E. Johnston	27	1.34	1.41	36

PLATTE RIVER AT GOTHENBURG
NORTH CHANNEL

5- 5-34	A. E. Johnston	75	1.72	0.90	128
5-18-34	do	14	2.01	1.30	276
5-22-34	do	76	1.63	1.95	124
5-23-34	do	71	1.76	.85	125
5-25-34	do	65	1.45	.85	94

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

PLATTE RIVER AT GOTHENBURG—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-29-34	A. E. Johnston	57	1.37	.78	78
5-31-34	do	16	1.46	.45	23
6- 2-34	do	13	.81	.30	10
6- 3-34	do	10	1.00	.25	10
6- 4-34	do	37	1.28	.55	48
6- 5-34	do	78	1.48	.88	117
6- 8-34	do	39	1.36	.55	53
6-11-34	do	10	.98	.22	10
6-15-34	do	71	1.51	.80	108
6-16-34	do	101	1.79	1.02	181
6-18-34	do	124	1.93	1.20	239
6-19-34	do	107	1.52	1.02	163
6-27-34	do	127	1.63	1.19	208
7-14-34	do	33	1.42	.55	48
7-15-34	do	26	1.16	.45	30
7-18-34	do	29	1.13	.49	33
8- 8-34	A. W. Hall	0	0	.10	0
8-20-34	A. E. Johnston	42	1.41	.61	60
9-24-34	do	164	2.18	1.50	357
9-29-34	do	96	1.67	1.02	160
9-30-34	do	127	1.88	1.25	238

PLATTE RIVER AT GOTHENBURG
SOUTH CHANNEL

6-18-34	A. E. Johnston	133	1.33	1.50	177
6-19-34	do	111	1.10	1.50	122
6-27-34	do	44	1.03	.85	45
8- 8-34	A. W. Hall	0	0	.45	0
9-30-34	A. E. Johnston	20	.99	1.44	20

PLATTE RIVER AT COZAD
NORTH CHANNEL

5- 1-34	A. E. Johnston	230	0.11	0.70	26
5- 4-34	do	10	1.05	.65	11
5-16-34	do	4	.92	.50	4
5-18-34	do	5	.92	.52	5
5-22-34	do	1	.58	.45	1
5-23-34	do	0	.82	.45	2
5-25-34	do	3	.64	.45	2
6- 3-34	do	5	1.10	.52	6
6- 4-34	do	4	.90	.50	3
6- 5-34	do	21	1.55	.75	32
6- 8-34	do	3	.77	.42	3
6-11-34	do	0	3.69	.40	1
6-12-34	do	12	.93	.22	11
6-15-34	do	1	.72	.42	1
6-18-34	do	6	1.04	.55	7
7-11-34	do	1	.86	.42	1
8- 8-34	A. W. Hall	0	0	-.85	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Season Ending September 30, 1934

PLATTE RIVER AT COZAD
SOUTH CHANNEL

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5- 1-34	A. E. Johnston	106	1.40	0.80	148
5- 4-34	do	37	.70	.55	25
5-16-34	do	3	.72	.28	2
5-18-34	do	1	.60	.31	1
5-22-34	do	0	0	.20	0
5-23-34	do	0	0	.15	0
5-25-34	do	0	0	.21	0
6-18-34	do	6	1.07	.38	6
7-11-34	do	0	0	-.50	0
8- 8-34	A. W. Hall	0	0	0	0

PLATTE RIVER AT OVERTON

10-12-33	A. E. Johnston	1020	2.01	3.43	2050
10-20-33	do	914	1.71	3.43	1560
11-28-33	do	1180	1.97	3.64	2300
12-15-33	do	693	2.34	3.54	1620
1- 5-34	do	719	2.16	4.15	1550
2- 2-34	do	1480	2.24	3.98	3310
3-10-34	do	1290	2.09	3.65	2690
4- 9-34	do	1010	1.87	3.60	1890
5- 2-34	do	124	1.42	2.54	174
5- 4-34	do	94	1.46	2.56	137
5- 16-34	do	0	0	2.05	3
5-22-34	do	0	0	1.84	0
5-23-34	do	0	0	1.80	0
5-25-34	do	0	0	1.75	0
6-23-34	do	0	0	1.55	0
7-11-34	do	0	0	1.20	0
8-20-34	do	0	0	2.15	0

PLATTE RIVER AT GRAND ISLAND

10- 4-33	H. P. Eisenhuth	782	1.93	3.28	1510
10-14-33	A. E. Johnston	808	2.03	3.25	1640
10-20-33	do	581	1.93	3.08	1120
11- 6-33	H. P. Eisenhuth	773	1.95	3.13	1510
11-27-33	A. E. Johnston	954	2.26	3.26	2160
12- 3-33	H. P. Eisenhuth	1510	2.32	3.60	3510
12-16-33	A. E. Johnston	703	2.32	3.33	1630
2- 3-34	do	1510	2.55	3.68	3850
3-12-34	S. C. Moore	904	2.61	3.14	2360
3-12-34	A. E. Johnston	1020	2.41	3.20	2460
3-22-34	F. F. LeFever	826	2.04	3.10	1690
4-11-34	A. E. Johnston	736	1.87	3.06	1380
4-19-34	F. F. LeFever	591	1.59	3.01	942
5- 2-34	A. E. Johnston	120	1.16	2.50	140
7-24-34	M. C. Boyer	0	0	0	0
8-25-34	J. H. Bailey	0	0	0	0

MEASUREMENTS OF PLATTE RIVERS—Concluded
Season Ending September 30, 1934

PLATTE RIVER AT DUNCAN

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
11- 7-33	H. P. Eisenhuth	882	1.94	2.55	1710
11-22-33	do	992	2.10	2.63	2080
2- 7-34	S. C. Moore	1490	2.24	2.84	3340
3-16-34	F. F. LeFever	1010	2.29	2.52	2310
4-17-34	do	783	1.57	2.20	1230
5-24-34	M. C. Boyer	0	0	.56	0
6-14-34	Eisenhuth and Baily	3	.75	.54	2
7-24-34	M. C. Boyer	0	0	0	0
8-10-34	L. F. Hanks	0	0	0	0

PLATTE RIVER AT ASHLAND

10-14-33	S. C. Moore	1840	1.96	2.89	3600
10-27-33	H. P. Eisenhuth	1940	1.79	2.78	3470
11-26-33	do	2330	2.05	3.16	4790
1-15-34	do	2900	1.42	5.44	4110
2- 6-34	S. C. Moore	3340	2.64	4.67	8820
2-26-34	H. P. Eisenhuth	853	.46	2.81	386
3- 8-34	do	3040	2.95	3.80	8970
3-27-34	F. F. LeFever	2110	2.33	3.20	4920
4- 7-34	do	2450	2.38	3.45	5830
4- 9-34	M. C. Boyer	2510	2.27	3.37	5690
5- 3-34	Moore and Boyer	1290	1.89	2.51	2440
5-24-34	S. C. Moore	842	1.70	2.26	1430
5-28-34	M. C. Boyer	902	1.54	2.25	1390
6-19-34	H. P. Eisenhuth	1120	1.78	2.50	1990
7- 2-34	S. C. Moore	715	1.72	2.01	1230
7-26-34	M. C. Boyer	420	1.46	1.65	612
8-11-34	Hanks and Moore	516	1.48	1.80	762
9- 5-34	L. F. Hanks	388	9.46	3.10	3670
9-22-34	do	920	1.73	2.35	1590

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1933

ANTELOPE CREEK
Main Street of Gordon

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-24	A. E. Johnston	0.5	3-29	A. E. Johnston	0.4
1-10	do	.0	4-25	do	1.5
1-31	do	.0	5-23	do	1.0
2-27	do	.0	9-26	do	.1

ARICKAREE RIVER
Haigler—Sec. 28-1-41 W.

10- 4	A. E. Johnston	8.0	5- 8	A. W. Hall	45.4
11- 4	do	19.3	5-26	do	23.0
12- 5	do	11.1	6-12	do	11.0
1-20	do	16.8	6-26	do	1.0
2-22	do	71.3	7-17	do	22.0
3-23	do	34.6	7-26	do	3.0
4- 5	L. F. Hanks	14.0	8-14	do	4.6
4-19	A. E. Johnston	24.0	9-14	do	333.0

ASH CREEK
Whitney—Sec. 7-32-50 W.

10-17	A. E. Johnston	2.4	5-29	A. E. Johnston	9.4
11-15	do	.8	6-30	do	.1
4- 3	do	2.5	8-26	do	10.1
4-28	do	5.1			

ASH CREEK, EAST
Above Baron Canal—Sec. 32-32-50 W.

11-15	A. E. Johnston	2.5
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BALD DRAIN
Sec. 32-23-56 W.

10-12	F. F. LeFever	6.8	4-26	F. F. LeFever	3.5
11-30	do	4.9	5-31	do	23.0
12-17	do	3.6	6-15	do	6.6
12-30	do	4.0	7-12	do	8.8
2- 8	do	2.7	8- 2	do	19.2
2-17	do	3.6	8-21	do	12.3
3-10	do	4.0	9-21	do	43.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

BAYARD SUGAR FACTORY DRAIN
 Sec. 4-20-52 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-10	F. F. LeFever	68.8	5-17	F. F. LeFever	31.8
10-17	do	64.4	6- 2	do	33.0
11- 7	do	55.9	6-19	do	6.0
12- 1	do	51.3	6-26	do	14.0
12-22	do	47.6	7- 5	do	82.0
1- 9	do	44.8	7-13	do	12.7
1-25	do	41.8	7-27	do	13.8
2-21	do	40.1	8- 5	do	41.4
3-11	do	41.2	8-14	do	39.8
3-29	do	36.4	8-24	do	55.8
4-13	do	30.9	9-27	do	82.5

BAZILLE CREEK
 Niobrara—Sec. 21-32-5 W.

10-17	M. C. Boyer	31.9	6-13	S. C. Moore	21.6
1- 9	S. C. Moore	46.4	7-28	do	21.8
2-22	do	46.7	8-31	M. C. Boyer	32.5
4-16	L. F. Hanks	38.4	9-25	do	25.9
5-19	M. C. Boyer	37.1			

BEAR CREEK
 Eli—Sec. 25-34-36 W.

10-20	A. E. Johnston	12.0	4-25	A. E. Johnston	53.5
11-21	do	19.7	5-23	do	35.6
1-11	do	11.1	6-27	do	5.3
1-31	do	14.2	8-22	do	1.2
2-28	do	25.2	9-26	do	6.3
3-29	do	37.6			

BEAR CREEK
 Sec. 16-34-37 W.

6-27 A. E. Johnston 0.7

BEAR CREEK
 Northeast of Merriman—Sec. 16-34-37 W.

6-27 A. E. Johnston 2.2 8-22 A. E. Johnston 0.8
 6-29 do .8

BEAR CREEK
 Sec. 13-34-37 W.

6-27 A. E. Johnston 1.4 6-29 A. E. Johnston 0.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

BEAVER CREEK
 Beaver City—Sec. 24-2-23 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11-15	M. C. Boyer	0.0	6- 9	L. F. Hanks	6.0
3-10	do	.5	7-20	S. C. Moore	106.0
4- 8	L. F. Hanks	1.4	8-23	J. H. Baily	90.4
6- 2	M. C. Boyer	8.2			

BEAVER CREEK
 Hollinger—Sec. 17-2-22 W.

11-15	M. C. Boyer	0.0	6- 9	L. F. Hanks	7.0
3-10	do	.0	7-20	S. C. Moore	158.0
4- 8	L. F. Hanks	.0	8-23	J. H. Baily	14.0
6- 2	M. C. Boyer	9.2			

BEAVER CREEK
 Albion—Sec. 15-20-6 W.

10-24	M. C. Boyer	81.1	5-16	M. C. Boyer	100.0
1- 7	S. C. Moore	62.9	6-13	S. C. Moore	39.2
2-21	do	68.8	7-28	do	38.5
4-15	L. F. Hanks	57.3	8-30	Baily and Boyer	40.4

BEAVER CREEK
 Lebanon—Sec. 17-1-26 W.

3-10	M. C. Boyer	0.2	6- 9	L. F. Hanks	2.0
4- 7	L. F. Hanks	1.6	7-19	S. C. Moore	62.1
6- 3	M. C. Boyer	1.1	8-23	J. H. Baily	248.0

BIRDWOOD CREEK
 Sec. 2-14-33 W.

10-29	A. E. Johnston	198.0	6-14	A. E. Johnston	155.0
11-26	do	180.0	6-21	do	146.0
1- 5	do	194.0	7-12	do	174.0
1-27	do	188.0	7-20	do	139.0
2-15	do	171.0	7-26	do	181.0
3-15	do	191.0	8-10	do	202.0
4-12	do	170.7	8-16	do	183.0
5-11	do	223.4	9- 1	Johnston and LeFever	170.0
5-18	do	187.5	9-15	A. E. Johnston	195.0
6- 5	do	142.0			

BLACKWOOD CREEK
 Sec. 15-3-31 W.

6-13	A. W. Hall	3.6	7-15	A. W. Hall	4.2
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

BLUE CREEK
Lewellen—Sec. 30-16-42 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-28	A. E. Johnston	108.0	6-18	J. V. Ruzicka	11.7
11-26	do	107.0	6-23	A. E. Johnston	1.2
1- 5	do	135.0	7-14	do	.8
1-27	do	123.0	7-18	do	.6
2-14	do	120.0	7-27	do	.4
3-14	do	147.0	8- 5	do	41.4
4-11	do	86.6	8- 8	do	31.9
5-10	do	173.0	8-18	do	38.8
5-19	do	120.3	8-26	J. V. Ruzicka	289.0
6- 2	do	45.3	8-31	Johnston and LeFever	118.0
6- 8	J. V. Ruzicka	25.9	9-13	A. E. Johnston	119.0
6-13	A. E. Johnston	27.2	9-22	do	87.8

BLUE CREEK
Sec. 5-17-42 W.

6- 9 J. V. Ruzicka 90.8

BLUE RIVER, LITTLE
Deshler—Sec. 20-3-4 W.

10-26	M. C. Boyer	51.7	4-10	L. F. Hanks	63.1
11-17	L. F. Hanks	90.0	6- 1	M. C. Boyer	109.0
1-21	S. C. Moore	60.6	6- 8	L. F. Hanks	78.0
2-11	do	65.1	7-21	S. C. Moore	92.9
3- 4	L. F. Hanks	50.9	8-25	J. H. Baily	204.0

BLUE RIVER, LITTLE
Endicott—Sec. 3-1-3 E.

10-26	M. C. Boyer	156.0	6- 1	M. C. Boyer	149.0
11-17	L. F. Hanks	107.0	6- 8	L. F. Hanks	118.0
1-20	S. C. Moore	173.0	7-22	S. C. Moore	107.0
2-12	do	105.0	8-26	J. H. Baily	429.0
3- 3	L. F. Hanks	169.0	9-20	H. P. Eisenhuth	158.0
4-11	do	136.0			

BLUE RIVER, BIG
Barnston—Secs. 13 and 24-1-7 E.

10-26	M. C. Boyer	237.0	5-31	M. C. Boyer	10.0
11-18	L. F. Hanks	252.0	6- 1	do	298.0
1-20	S. C. Moore	266.0	6- 8	L. F. Hanks	291.0
2-15	do	58.4	7-22	S. C. Moore	471.0
2-15	do	27.7	7-22	do	588.0
3- 3	L. F. Hanks	302.0	8-26	J. H. Baily	2250.0
4-11	do	257.0	9-19	H. P. Eisenhuth	528.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

BORDEAUX CREEK, BIG
Sec. 14-33-48 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-20	A. E. Johnston	4.9	4-27	A. E. Johnston	7.1
11-19	do	2.5	5-26	do	8.0
1-12	do	5.0	6-30	do	3.0
2- 3	do	7.0	8-25	do	1.6
3- 4	do	6.0	9-30	do	3.1
4- 1	do	5.9			

BORDEAUX CREEK, LITTLE
Sec. 13-33-48 W.

10-20	A. E. Johnston	1.9	4-27	A. E. Johnston	5.1
11-19	do	.3	5-26	do	7.2
1-12	do	3.9	6-30	do	2.4
2- 3	do	2.0	8-25	do	1.9
3- 4	do	2.3	9-30	do	1.5
4- 1	do	2.4			

BORDEAUX CREEK, BIG
Below Thomas Canal—Sec. 34-34-48 W.

6-30	A. E. Johnston	4.2	8-25	A. E. Johnston	1.0
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BUFFALO CREEK
Elm Creek—Sec. 33-9-18 W.

11- 2	A. E. Johnston	23.9	6-19	A. E. Johnston	15.2
11-30	do	7.9	7- 7	do	16.0
1- 3	do	6.2	7-10	do	46.0
1-24	do	10.0	7-20	do	29.0
2-18	do	7.5	7-24	do	28.4
3-17	do	6.9	8- 2	do	6.7
4-15	do	54.1	8- 3	do	4.7
5- 4	do	83.7	8-12	do	20.7
5-15	do	23.6	8-14	do	50.3
6- 8	do	28.0	9- 5	Johnston and LeFever	42.8
6-17	do	49.8	9-19	A. E. Johnston	34.8

BUFFALO CREEK
Jenkins Ranch—Sec. 20-1-40 W.

10- 4	A. E. Johnston	11.8	4-19	A. E. Johnston	4.4
11- 4	do	14.2	5- 8	A. W. Hall	14.5
12- 5	do	14.8	5-26	do	10.6
1-20	do	17.7	6-26	do	5.2
2-22	do	16.1	7-17	do	8.0
3-23	do	16.4	7-26	do	8.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

BULL DRAIN
 Maxwell—Sec. 19-13-28 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11-29	A. E. Johnston	3.0	5-5	A. E. Johnston	6.6
1-4	do	2.7	5-12	do	11.1
2-17	do	4.4	5-16	do	2.5
4-14	do	2.8	7-6	do	2.5

CALAMUS RIVER
 Harrop—Sec. 22-23-18 W.

10-20	M. C. Boyer	195.0	5-19	M. C. Boyer	224.0
1-10	S. C. Moore	218.0	6-5	L. F. Hanks	186.0
2-23	do	231.0	7-29	S. C. Moore	169.0
4-17	L. F. Hanks	198.0	8-31	J. H. Baily	176.0

CAMP CLARK SEEP
 North Line—Sec. 9-20-51 W.

10-11	F. F. LeFever	6.5	5-17	F. F. LeFever	1.1
12-1	do	4.3	6-2	do	1.1
12-22	do	2.9	8-24	do	8.1
1-25	do	2.2	9-27	do	13.9
2-21	do	1.5			

CASTLE ROCK CANAL WASTEWAY NO. 1
 Sec. 34-21-53 W.

5-17	F. F. LeFever	34.4	6-24	F. F. LeFever	19.0
6-1	do	18.0	7-5	do	16.0
6-8	do	18.0	7-19	do	17.0
6-16	do	16.0			

CASTLE ROCK WASTE NO. 2
 East of McGrew—Sec. 31-21-52 W.

6-16	F. F. LeFever	7.0	7-19	F. F. LeFever	3.0
7-5	do	10.0			

CEDAR BRANCH CREEK
 Sec. 17-14-35 W.

10-29	A. E. Johnston	2.4	6-5	A. E. Johnston	2.7
11-26	do	1.7	6-14	do	2.2
1-5	do	3.0	6-21	do	.9
1-27	do	1.9	7-13	do	1.2
2-15	do	3.1	7-20	do	1.7
3-15	do	3.7	8-9	do	1.6
4-12	do	2.3	9-1	Johnston and LeFever	1.7
5-18	do	2.9	9-15	A. E. Johnston	2.2

**DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933**

**CEDAR RIVER
Fullerton—Sec. 11-16-6 W.**

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-24	M. C. Boyer	278.0	5-16	M. C. Boyer	307.0
1- 6	S. C. Moore	221.0	6- 6	L. F. Hanks	168.0
2-19	do	234.0	7-27	S. C. Moore	191.0
4-14	L. F. Hanks	200.0	8-30	Baily and Boyer	142.0

**CEDAR CREEK
Sec. 11-18-48 W.**

10- 8	A. E. Johnston	12.5	6- 1	A. E. Johnston	3.1
10-19	F. F. LeFever	8.5	6- 3	F. F. LeFever	14.1
12- 2	do	13.3	6-12	A. E. Johnston	4.3
12-23	do	14.3	6-27	F. F. LeFever	3.0
1-11	do	13.7	7- 6	do	5.0
1-14	A. E. Johnston	17.7	7-15	do	13.9
1-27	F. F. LeFever	13.1	7-17	A. E. Johnston	13.6
2-11	A. E. Johnston	12.9	7-25	F. F. LeFever	4.3
2-23	F. F. LeFever	13.6	8- 7	A. E. Johnston	3.3
3-13	do	12.7	9-12	do	22.0
4-15	do	12.7	9-25	F. F. LeFever	22.6
5-16	do	3.1			

**CENTER CREEK
Franklin—Sec. 1-1-15 W.**

10-18	A. E. Johnston	0.5
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**CENTRAL CANAL WASTEWAY
Sec. 10-21-54 W.**

6-16	F. F. LeFever	7.0	7-19	F. F. LeFever	1.0
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**CHADRON CREEK NO. 1
One-half Mile above City Reservoir—Sec. 19-32-48 W.**

10-18	A. E. Johnston	2.9	4-28	A. E. Johnston	4.5
11-14	do	2.6	5-27	do	3.4
1-12	do	3.8	6-30	do	1.9
2- 3	do	3.1	8-25	do	1.0
3- 7	do	2.8	8-26	do	3.1
4- 1	do	4.2	9-30	do	2.0

**CHADRON CREEK NO. 2
100 Feet below City Reservoir—Sec. 18-32-48 W.**

10-18	A. E. Johnston	0.5	4-28	A. E. Johnston	1.0
11-14	do	.5	5-27	do	.8
1-12	do	1.1	6-30	do	.4
2- 3	do	.6	8-25	do	.8
3- 7	do	.9	8-26	do	.7
4- 1	do	1.2	9-30	do	.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

CHADRON CREEK NO. 3
Station 36 of Pipe Line—Sec. 12-32-49 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-18	A. E. Johnston	0.2	4-28	A. E. Johnston	3.1
11-14	do	.9	5-27	do	5.0
1-12	do	1.0	6-30	do	.4
2-3	do	1.0	8-25	do	.1
3-7	do	.9	8-26	do	2.4
4-1	do	1.8	9-30	do	.7

CHADRON CREEK NO. 4
Chadron-Crawford Highway—Sec. 22-33-49 W.

10-18	A. E. Johnston	0.0	4-3	A. E. Johnston	1.4
11-15	do	1.6	4-28	do	3.4
1-12	do	2.7	5-27	do	7.9
2-3	do	.0	6-30	do	.0
3-7	do	1.8	8-26	do	6.9

CLEAR CREEK
Sec. 32-16-41 W.

10-28	A. E. Johnston	10.7	6-13	A. E. Johnston	1.9
11-26	do	7.5	6-22	do	9.6
1-5	do	16.8	7-14	do	10.7
1-27	do	14.4	7-19	do	1.5
2-14	do	11.1	8-8	do	8.7
3-14	do	5.8	8-31	Johnston and LeFever	8.8
4-11	do	.6	9-14	A. E. Johnston	10.8
5-10	do	15.0	9-22	do	11.9
5-19	do	11.2			

CLEAR CREEK, UPPER
Ashland—Sec. 35-13-9 E.

10-28	M. C. Boyer	8.7	7-24	S. C. Moore	22.4
11-18	L. F. Hanks	7.6	8-28	J. H. Baily	4.3
4-12	do	9.3	9-21	H. P. Eisenhuth	5.6
6-15	S. C. Moore	19.4			

CLEVELAND DRAIN
West Line of Sec. 6-20-52 W.

10-10	F. F. LeFever	3.0	6-8	F. F. LeFever	10.0
10-17	do	2.0	7-5	do	9.0
4-27	do	2.0	7-19	do	5.2
5-17	do	2.2	8-4	do	12.0
6-1	do	7.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

COLD WATER CREEK
 Sec. 34-18-46 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 8	A. E. Johnston	0.3	4-10	A. E. Johnston	0.2
10-27	do	3.1	5- 9	do	.1
11-25	do	.1	6- 1	do	.0
1- 6	do	2.2	6-12	do	.3
1-28	do	1.3	7-17	do	.1
2-13	do	.9	8-30	do	3.0
3-13	do	.0	9-12	do	1.5

COTTONWOOD CREEK, BIG
 Bloomington—Sec. 36-2-16 W.

11-16	L. F. Hanks	3.6	6- 9	L. F. Hanks	4.0
3-10	M. C. Boyer	1.4	7-20	S. C. Moore	3.0
4-10	L. F. Hanks	4.0	8-24	J. H. Baily	3.6
6- 2	M. C. Boyer	2.0			

COTTONWOOD CREEK, BIG
 One-half Mile North of Dunlap—Sec. 27-29-48 W.

10-14	A. E. Johnston	0.4	5-30	A. E. Johnston	2.2
11-14	do	1.9	7- 4	do	.5
4- 4	do	1.2	8-28	do	5.0
4-29	do	3.8			

COTTONWOOD CREEK, LITTLE
 South of Whitney Pipe Line Outlet—Sec. 8-32-51 W.

10-17	A. E. Johnston	1.3	4-28	A. E. Johnston	2.8
11-15	do	1.1	5-29	do	3.1
4- 3	do	1.2	6-30	do	.0

COTTONWOOD CREEK, LITTLE
 Sec. 8-32-52 W.

10-17	A. E. Johnston	0.2	5-29	A. E. Johnston	0.1
4-28	do	.7	7- 1	do	.0

COTTONWOOD CREEK, BIG
 Sec. 22-33-50 W.

10-17	A. E. Johnston	0.0	4- 3	A. E. Johnston	2.7
11-15	do	.0	4-28	do	.5
1-12	do	.0	5-29	do	35.3
2- 3	do	.0	6-30	do	2.5
3- 7	do	.0	8-26	do	12.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

COZAD CANAL TAIL WASTE
 Into Dawson County Canal—Sec. 5-10-22 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
5- 5	A. E. Johnston	0.0	7- 7	A. E. Johnston	0.1
6-19	do	24.6	7-10	do	18.2

DAWSON COUNTY DRAIN NO. 1
 Below Strever Creek—Sec. 14-9-21 W.

5- 4	A. E. Johnston	45.5
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DAWSON COUNTY DRAIN NO. 2
 South of Darr—Sec. 25-10-23 W.

11- 1	A. E. Johnston	5.8	5-13	A. E. Johnston	5.8
11-29	do	8.6	6- 7	do	6.7
1-24	do	1.8	6-16	do	7.7
5- 5	do	5.5	9-20	do	12.2

DAWSON COUNTY WASTE
 Into French Creek—Sec. 1-10-22 W.

7-10	A. E. Johnston	0.5	7-22	A. E. Johnston	12.9
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DAWSON COUNTY WASTE
 Into Elm Creek—Sec. 13-9-19 W.

7-10	A. E. Johnston	6.0	7-24	A. E. Johnston	0.0
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DAWSON COUNTY WASTE
 Waste into Buffalo Creek for Kearney Canal—Sec. 34-11-22 W.

7- 7	A. E. Johnston	0.7	8- 3	A. E. Johnston	2.8
7-10	do	.5	8-14	do	.7

DEAD HORSE CREEK
 Sec. 32-33-49 W.

11-15	A. E. Johnston	1.3	5-29	A. E. Johnston	10.9
4- 3	do	1.2			

DEGRAW DRAIN
 Below Schermerhorn Canal—Sec. 24-20-51 W.

10-11	F. F. LeFever	10.2	4-28	F. F. LeFever	4.6
12- 1	do	8.0	7- 8	do	2.0
12-22	do	5.3	7-29	A. E. Johnston	2.9
1-25	do	5.8	8-25	F. F. LeFever	5.1
3-29	do	5.8	9-22	do	13.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

DEER CREEK

Holbrook—Sec. 21-4-24 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11-15	L. F. Hanks	0.0	6-9	L. F. Hanks	0.0
3-10	M. C. Boyer	.0	7-19	S. C. Moore	.3
4-7	L. F. Hanks	.0	8-23	J. H. Baily	36.5
6-2	M. C. Boyer	1.0			

DISMAL RIVER

Dunning—Sec. 4-21-24 W.

10-19	M. C. Boyer	357.0	5-19	M. C. Boyer	325.0
1-11	S. C. Moore	336.0	6-4	L. F. Hanks	313.0
2-24	do	349.0	7-31	S. C. Moore	290.0
4-18	L. F. Hanks	323.0	9-1	J. H. Baily	391.0

DRIFTWOOD CREEK

McCook—Sec. 1-2-30 W.

6-13	A. W. Hall	0.0	7-25	A. W. Hall	0.0
6-24	do	.0	9-12	do	.0
7-15	do	.0			

DRY CREEK

Merriman—Sec. 20-34-37 W.

10-20	A. E. Johnston	4.6	3-29	A. E. Johnston	14.5
11-21	do	4.4	4-25	do	24.4
1-11	do	3.1	5-23	do	28.9
1-31	do	4.4	6-27	do	.2
2-28	do	14.4	9-26	do	.0

DUGOUT CREEK, LOWER

Below Cooper Canal—Sec. 4-19-48 W.

7-15	F. F. LeFever	5.0			
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DUGOUT CREEK, UPPER

Sec. 21-20-50 W.

10-7	F. F. LeFever	13.7	4-13	F. F. LeFever	1.7
10-17	do	11.9	6-2	do	20.0
12-1	do	8.2	6-19	do	1.0
12-22	do	6.0	7-8	do	3.0
1-10	do	4.8	7-29	A. E. Johnston	5.2
1-25	do	4.2	8-25	F. F. LeFever	11.6
2-23	do	4.6	9-27	do	28.9
3-11	do	4.9			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

ELKHORN RIVER
 Neligh—Sec. 20-25-6 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-18	M. C. Boyer	113.0	6-13	S. C. Moore	118.0
1- 7	S. C. Moore	156.0	7-28	do	75.3
2-21	do	150.0	8-30	Baily and Boyer	98.2
4-16	L. F. Hanks	166.0	9-29	M. C. Boyer	100.9
5-20	M. C. Boyer	238.0			

ELKHORN RIVER
 O'Neill—Sec. 31-29-11 W.

10-18	M. C. Boyer	27.4	6-13	S. C. Moore	30.9
1-10	S. C. Moore	39.0	7-29	do	14.1
2-23	do	38.9	8-30	Baily and Boyer	22.5
4-17	L. F. Hanks	40.0	9-29	M. C. Boyer	20.8
5-19	M. C. Boyer	69.4			

ELKHORN RIVER
 Waterloo—Sec. 3-15-10 E.

10-29	M. C. Boyer	537.0	5-15	M. C. Boyer	1370.0
1-16	S. C. Moore	508.0	6-14	S. C. Moore	424.0
2-17	do	346.0	7-25	do	520.0
2-28	L. F. Hanks	991.0	8-29	Baily and Boyer	390.0
4-13	do	912.0	9-10	Eisenhuth and Follansbee	391.0

ELM CREEK
 Elm Creek—Sec. 33-9-18 W.

11- 2	A. E. Johnston	1.3	6-19	A. E. Johnston	5.4
11-30	do	.0	7- 7	do	.5
1- 3	do	.0	7-10	do	21.6
1-24	do	.0	7-22	do	1.4
2-18	do	.0	7-24	do	.3
3-17	do	.0	8- 2	do	.4
4-15	do	3.5	8- 3	do	.3
5- 4	do	14.7	8-12	do	17.1
5-15	do	.8	8-14	do	.9
6- 8	do	8.7	9- 5	Johnston and LeFever	31.4
6-17	do	12.8	9-19	A. E. Johnston	25.0

ENTERPRISE CANAL WASTE
 Into Winters Creek—Sec. 14-22-54 W.

4-26	F. F. LeFever	12.0	8- 3	F. F. LeFever	14.7
6-23	do	9.0	8-12	do	.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

FAIRFIELD SEEP
 Sec. 18-21-53 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-6	F. F. LeFever	3.0	3-28	F. F. LeFever	1.0
12-1	do	1.0	8-4	do	3.1
12-21	do	.0	9-23	do	1.5

FANNING SEEP
 One-half Mile North of Mitchell Bridge—Sec. 28-23-56 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11-30	F. F. LeFever	5.6	3-10	F. F. LeFever	5.6
12-30	do	5.6	4-12	do	3.1
2-17	do	4.5	6-23	do	3.0

FARMERS CREEK
 Riverton—Sec. 5-1-12 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
3-10	M. C. Boyer	4.6	6-9	L. F. Hanks	0.3
4-10	L. F. Hanks	2.1	7-21	S. C. Moore	.0
6-1	M. C. Boyer	.5	8-24	J. H. Bailly	.0

FLAG CREEK
 Orleans—Sec. 19-2-19 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11-16	L. F. Hanks	0.7	6-9	L. F. Hanks	0.9
3-10	M. C. Boyer	1.0	7-20	S. C. Moore	.4
4-10	L. F. Hanks	1.0	8-24	J. H. Bailly	.6
6-2	M. C. Boyer	1.0			

FREMONT SLOUGH
 South of North Platte—Sec. 16-13-30 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-31	A. E. Johnston	0.9	6-15	A. E. Johnston	1.4
11-28	do	1.5	6-20	do	.5
1-23	do	1.3	7-6	do	.2
3-15	do	3.8	7-21	do	.5
4-13	do	3.1	8-11	do	.5
5-12	do	23.6	9-2	Johnston and LeFever	.6
5-17	do	11.9	9-18	A. E. Johnston	1.1
6-6	do	.9			

FRENCH CREEK
 Sec. 16-10-21 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
6-19	A. E. Johnston	0.9	8-3	A. E. Johnston	0.7
7-7	do	.4	8-12	do	35.8
8-2	do	.4	8-14	do	34.2

**DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933**

FRENCHMAN RIVER

Above Maranville Reservoir—Sec. 10-6-41 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 6	A. E. Johnston	4.6	5-23	A. W. Hall	6.1
11- 5	do	4.4	6-15	do	2.9
12- 6	do	5.0	6-23	do	3.0
1-18	do	4.6	6-25	do	2.9
2-24	do	5.6	7-12	do	3.1
3-21	do	4.4	7-28	do	3.5
4-20	do	7.1	8-11	do	3.2
5- 5	A. W. Hall	7.9	9- 8	do	4.2

FRENCHMAN RIVER

Below Maranville Reservoir—Sec. 11-6-41 W.

10- 6	A. E. Johnston	4.5	5-23	A. W. Hall	4.2
11- 5	do	5.5	6-15	do	.7
12- 6	do	5.3	6-23	do	2.0
1-18	do	5.3	6-25	do	1.1
2-24	do	5.1	7-12	do	1.3
3-21	do	5.4	7-28	do	1.6
4-20	do	8.2	8-11	do	1.6
5- 4	A. W. Hall	4.1	9- 8	do	3.4

FRENCHMAN RIVER

Above Inman Canal—Sec. 17-6-40 W.

10- 6	A. E. Johnston	15.3
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FRENCHMAN RIVER

Below Inman Canal—Sec. 17-6-40 W.

10- 6	A. E. Johnston	21.0	2-24	A. E. Johnston	24.6
11- 5	do	18.5	3-21	do	26.4
12- 6	do	21.7	4-20	do	33.7
1-18	do	24.7	5-23	A. W. Hall	17.6

FRENCHMAN RIVER

Sec. 5-5-37 W.

7-28	A. W. Hall	53.2
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FRENCHMAN RIVER

Above Champion Lake—Sec. 22-6-40 W.

5-23	A. W. Hall	25.4	7-28	A. W. Hall	21.3
6-15	do	12.5	8-11	do	14.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

FRENCHMAN RIVER
 Below Champion Lake—Sec. 23-6-40 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 6	A. E. Johnston	16.5	2-24	A. E. Johnston	34.7
11- 5	do	23.6	3-21	do	10.7
12- 6	do	18.1	4-20	do	9.9
1-18	do	28.0			

FRENCHMAN RIVER
 Above Champion Mill Dam—Sec. 20-6-39 W.

10- 5	A. E. Johnston	31.8	7-12	A. W. Hall	17.0
5- 5	do	28.8	8-11	do	9.1
6-23	do	17.7	9- 8	do	17.8

FRENCHMAN RIVER
 Champion—Sec. 21-6-39 W.

10- 6	A. E. Johnston	28.1	2-24	A. E. Johnston	56.0
11- 5	do	59.5	3-21	do	61.2
12- 6	do	29.1	4-20	do	23.7
1-18	do	68.8	6-15	A. W. Hall	9.4

FRENCHMAN RIVER
 U. S. G. S. Station near Champion—Sec. 19-6-39 W.

10- 6	A. E. Johnston	26.4	5- 9	A. W. Hall	39.0
11- 5	do	36.2	5-23	do	36.0
12- 6	do	25.1	6-15	do	15.0
1-18	do	36.9	6-23	do	33.0
2-24	do	47.1	7-12	do	29.0
3-21	do	19.9	7-28	do	29.0
4- 5	L. F. Hanks	25.2	8-11	do	12.0
4-20	A. E. Johnston	21.0	8-15	do	12.0
5- 5	A. W. Hall	21.0	9-10	do	27.1

FRENCHMAN RIVER
 South of Imperial—Sec. 30-6-38 W.

5-24	A. W. Hall	56.7	7-13	A. W. Hall	63.0
6-14	do	13.6	8-12	do	44.5
6-23	do	56.2	9-10	do	51.2

FRENCHMAN RIVER
 Harvey Dam Site—Sec. 3-5-38 W.

6-14	A. W. Hall	80.0	8-12	A. W. Hall	63.0
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

FRENCHMAN RIVER
 Hamlet, U. S. G. S. Station—Sec. 17-5-34 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 5	A. E. Johnston	86.2	5- 6	A. W. Hall	109.0
11- 5	do	110.3	5- 8	do	101.0
12- 6	do	114.2	5-24	do	83.5
1-19	do	128.8	6-14	do	85.0
1-23	S. C. Moore	109.0	6-24	do	75.0
2- 9	do	63.7	7-13	do	70.0
2-23	A. E. Johnston	154.8	7-27	do	77.0
3-22	do	109.0	8-12	do	70.0
4- 7	L. F. Hanks	91.1	9-10	do	94.0
4-20	A. E. Johnston	113.0			

FRENCHMAN RIVER
 Wauneta—Sec. 11-5-36 W.

10- 5	A. E. Johnston	89.5	11- 5	A. E. Johnston	92.1
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FRENCHMAN RIVER
 Palisade—Sec. 32-5-33 W.

5- 6	A. W. Hall	138.5	7-13	A. W. Hall	0.5
6-14	do	5.6	7-27	do	3.1
6-24	do	.5			

FRENCHMAN RIVER
 Culbertson—Sec. 16-3-31 W.

10- 4	A. E. Johnston	41.7	5-24	A. W. Hall	76.6
11- 3	do	63.9	6-13	do	30.0
12- 3	do	152.4	6-24	do	20.0
1-19	do	196.2	7-15	do	17.0
2-22	do	257.1	7-25	do	12.0
3-23	do	210.0	8-13	do	31.0
4-18	do	131.0	9-11	do	117.0
5- 6	A. W. Hall	125.0			

GERING DRAIN
 Sec. 6-21-54 W.

10- 6	F. F. LeFever	86.8	4-13	F. F. LeFever	21.6
10-13	do	50.3	5-13	do	41.2
11- 7	do	39.2	5-31	do	42.0
12- 1	do	38.7	6-16	do	38.0
12-21	do	31.6	6-29	do	68.0
12-31	do	29.6	7-12	do	40.1
1-14	do	31.5	7-24	do	67.7
1-24	do	32.1	8- 3	do	56.2
2- 7	do	27.8	8-12	do	79.3
2-20	do	25.9	8-23	do	49.9
3-11	do	31.7	9-19	do	150.4
3-28	do	28.7			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

GERING CANAL WASTEWAY
Lower Bad Lands—Sec. 29-22-55 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
6-7	F. F. LeFever	5.0	6-23	F. F. LeFever	30.0
6-21	do	18.0	9-19	do	11.9

GORDON CREEK
Sec. 30-33-28 W.

10-21	A. E. Johnston	14.8	4-26	A. E. Johnston	22.8
11-22	do	8.5	5-24	do	31.8
1-10	do	11.6	6-28	do	6.2
2-1	do	7.6	8-23	do	6.4
3-1	do	8.6	9-27	do	9.1
3-30	do	12.8			

GOTHENBURG POWER WASTE
Gothenburg—West 16th Street

11-1	A. E. Johnston	159.0	7-6	A. E. Johnston	178.0
11-29	do	163.1	7-11	do	158.0
1-3	do	160.0	7-21	do	201.0
1-26	do	189.5	7-24	do	170.0
2-17	do	149.0	8-1	do	173.0
3-16	do	188.0	8-4	do	176.0
4-14	do	180.7	8-11	do	87.0
5-5	do	159.8	8-15	do	191.0
6-7	do	108.3	9-4	Johnston and LeFever	141.0
6-16	do	120.2	9-18	A. E. Johnston	151.0
6-20	do	118.4			

GOTHENBURG WASTE
Into Buffalo Creek—Sec. 8-11-22 W.

7-10	A. E. Johnston	1.0
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GOVERNMENT SPRING
Below Ft. Robinson Pumping Plant—4 Foot Weir

10-17	A. E. Johnston	0.8	4-3	A. E. Johnston	0.8
11-15	do	.4	4-29	do	.8
1-13	do	.4	5-30	do	.4
2-4	do	.9	7-1	do	.7
3-6	do	.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

GRAVEL CREEK
Maddox Dam—Sec. 9-14-36 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-29	A. E. Johnston	2.6	6- 3	A. E. Johnston	3.7
11-26	do	2.1	6-14	do	2.8
1- 5	do	2.1	6-22	do	2.3
1-27	do	1.7	7-13	do	3.2
2-14	do	1.7	7-19	do	3.5
3-14	do	2.1	8- 9	do	2.5
4-11	do	2.6	9- 1	Johnston and LeFever	3.7
5-18	do	2.6	9-14	A. E. Johnston	3.3

GREENWOOD CREEK
Sec. 26-19-50 W.

4-15	F. F. LeFever	0.0	5-17	F. F. LeFever	12.9
4-28	do	5.5	9-22	do	9.3

GREENWOOD CREEK
Sec. 28-18-50 W.

8- 3	A. W. Hall	8.4			
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HORSE CREEK
Pringle's Ranch—Sec. 23-1-39 W.

10- 4	A. E. Johnston	2.6	4-19	A. E. Johnston	4.4
11- 4	do	3.4	5- 8	A. W. Hall	1.8
12- 5	do	2.2	5-26	do	.8
1-20	do	3.6	6-26	do	.4
2-22	do	3.5	7-17	do	.8
3-23	do	3.6			

HORSE CREEK
Lyman—Sec. 25-23-58 W.

10-11	F. F. LeFever	70.6	5-22	F. F. LeFever	165.5
11- 4	do	39.7	5-23	do	826.0
11-29	do	31.9	6- 6	do	95.0
12-17	do	22.3	6-13	do	95.0
12-30	do	21.0	6-22	do	165.0
1-12	do	26.4	6-30	do	81.0
1-23	do	22.8	7-11	do	166.0
2- 8	do	13.7	7-20	do	63.0
2-17	do	14.7	8- 1	do	74.3
3-10	do	54.4	8-10	do	118.3
3-27	do	22.6	8-21	do	77.9
4-11	do	13.1	9- 8	do	79.8
4-24	do	45.8	9-20	do	343.2
5-12	do	247.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

INDIAN CREEK
 Max—Sec. 23-2-36 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
5- 8	A. W. Hall	5.2	6-26	A. W. Hall	0.4
5-25	do	1.4	7-16	do	.5
6-13	do	2.6			

INDIAN CREEK
 Northport Wye—Sec. 19-20-50 W.

10- 7	F. F. LeFever	17.1	4-13	F. F. LeFever	4.8
10-17	do	14.2	4-28	do	5.8
12- 1	do	10.7	6- 2	do	31.0
12-22	do	8.5	6-19	do	4.0
1-10	do	8.0	7- 8	do	6.0
1-25	do	7.2	7-29	A. E. Johnston	11.1
2-23	do	7.6	8-25	F. F. LeFever	14.6
3-11	do	7.5	9-27	do	41.7
3-29	do	5.8			

INDIAN CREEK
 Red Cloud—Sec. 33-2-11 W.

11-16	M. C. Boyer	0.0	6- 9	L. F. Hanks	0.0
3-10	do	1.6	7-21	S. C. Moore	.0
4-10	L. F. Hanks	.5	8-24	J. H. Baily	.0
6- 1	M. C. Boyer	T			

KEITH—LINCOLN COUNTY DRAIN
 Sarben—Sec. 23-14-35 W.

10-29	A. E. Johnston	1.7	4-12	A. E. Johnston	3.1
11-26	do	1.9	5-18	do	3.0
1- 5	do	4.0	7-13	do	2.0
1-27	do	2.1	9- 1	Johnston and LeFever	1.4
2-15	do	2.9	9-15	A. E. Johnston	2.4

LAKES, SAND HILL—See page 476

LANE DRAIN
 Sec. 30-23-57 W.

10-11	F. F. LeFever	4.8	5-22	F. F. LeFever	1.5
11- 4	do	3.7	6-22	do	3.0
1-12	do	1.8	8-21	do	7.7
3-10	do	1.5	9-20	do	5.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

LARABEE CREEK
 Sec. 6-34-44 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-25	A. E. Johnston	7.8	4-24	A. E. Johnston	4.3
11-23	do	1.6	5-26	do	3.6
1-12	do	1.3	6-29	do	1.9
2- 2	do	2.4	8-25	do	2.1
3- 3	do	4.2	9-25	do	5.6
3-31	do	1.9			

LAWRENCE FORK
 Sec. 36-19-52 W.

5-17 F. F. LeFever 2.8

LEANDER CREEK
 Merriman—Sec. 33-34-37 W.

10-20	A. E. Johnston	0.0	3-29	A. E. Johnston	1.4
11-21	do	.0	4-25	do	2.2
1-11	do	.0	5-23	do	18.1
1-31	do	.0	8-22	do	.0
2-28	do	.0			

LEWELLEN DRAIN
 Lewellen—Sec. 28-16-42 W.

10-28	A. E. Johnston	2.9	6- 3	A. E. Johnston	1.7
11-26	do	1.6	6-13	do	.6
2-14	do	2.9	6-22	do	.8
3-14	do	2.3	7-14	do	.5
4-11	do	2.2	7-18	do	.4
5-10	do	3.7	8-31	Johnston and LeFever	1.5
5-19	do	1.6	9-13	A. E. Johnston	2.3

LINCOLN COUNTY DRAIN NO. 1
 North Platte—Sec. 30-14-30 W.

10-31	A. E. Johnston	65.7	6-15	A. E. Johnston	86.9
11-28	do	48.6	6-21	do	107.0
1- 5	do	51.7	7-12	do	109.7
1-27	do	49.0	7-21	do	109.0
2-14	do	54.9	7-26	do	122.0
3-15	do	38.1	8-10	do	106.0
4-12	do	68.3	8-16	do	90.2
5-11	do	69.8	9- 2	Johnston and LeFever	94.0
5-18	do	67.4	9-16	A. E. Johnston	95.7
6- 6	do	80.2			

**DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933**

**LINCOLN COUNTY DRAIN NO. 2
Sec. 12-14-33 W.**

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-29	A. E. Johnston	10.0	7-12	A. E. Johnston	5.8
6- 5	do	7.6	8-10	do	7.9
6-14	do	4.0	9- 1	Johnston and LeFever	3.5
6-21	do	2.6	9-15	A. E. Johnston	5.0

**LODGEPOLE CREEK
Wyoming-Nebraska Line—Sec. 11-14-59 W.**

10-11	A. E. Johnston	4.9	5- 1	A. W. Hall	6.7
11-10	do	8.4	5-19	do	5.0
12-15	do	6.2	6- 9	do	2.6
1-16	do	13.8	6-20	do	3.3
2- 9	do	9.7	7- 7	do	4.7
3-10	do	4.3	8- 8	do	4.9
4- 7	do	9.0	9- 5	do	5.1

**LODGEPOLE CREEK
Above Kimball Reservoir—Sec. 33-15-57 W.**

10-11	A. E. Johnston	13.9	5- 1	A. W. Hall	13.9
11-10	do	16.3	5-19	do	17.7
12-15	do	11.7	6-10	do	8.8
1-16	do	26.5	6-20	do	8.8
2- 9	do	14.0	7- 8	do	8.9
3-10	do	9.3	8- 8	do	14.5
4- 7	do	17.7	9- 5	do	18.6

**LODGEPOLE CREEK
Below Kimball Reservoir—Sec. 36-15-57 W.**

10-11	A. E. Johnston	2.1	5- 1	A. W. Hall	5.5
11-10	do	2.3	5-19	do	5.0
12-15	do	3.3	6-10	do	5.9
1-16	do	3.2	6-20	do	3.8
2- 9	do	3.2	7- 8	do	4.1
3-10	do	3.8	8- 8	do	2.8
4- 7	do	2.5	9- 5	do	3.7

**LODGEPOLE CREEK
Above Adams Canal—Sec. 10-14-52 W.**

5- 2	A. W. Hall	1.2	7- 8	A. W. Hall	0.2
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

LODGEPOLE CREEK
Kimball—Sec. 29-15-55 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-11	A. E. Johnston	17.9	5- 2	A. W. Hall	15.2
11- 9	do	12.3	5-20	do	13.7
12-14	do	11.1	6-10	do	4.5
1-16	do	10.4	6-21	do	5.3
2- 9	do	12.7	7- 7	do	4.7
3-11	do	20.1	9- 6	do	14.0
4- 7	do	7.7			

LODGEPOLE CREEK
Above Bennett Reservoir—Sec. 28-15-55 W.

10-11	A. E. Johnston	7.9	6-21	A. W. Hall	1.5
5- 2	A. W. Hall	16.2	8- 7	do	1.9
5-19	do	4.9			

LODGEPOLE CREEK
Dix—Sec. 26-15-54 W.

10-11	A. E. Johnston	0.0	4- 6	A. E. Johnston	0.8
11-10	do	.0	5- 2	A. W. Hall	7.7
1-17	do	.0	5-19	do	3.6
2- 9	do	.0	6-10	do	.0
3-10	do	.0	9- 6	do	.7

LODGEPOLE CREEK
Sec. 12-14-59 W.

6- 9	A. W. Hall	3.0			
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LODGEPOLE CREEK
Sidney—Sec. 32-14-49 W.

10-11	A. E. Johnston	4.3	5-20	A. W. Hall	3.5
11-12	do	4.5	6-11	do	2.9
12-16	do	1.2	6-22	do	.6
1-17	do	1.5	6-27	do	1.0
2- 9	do	2.2	7-10	do	2.3
3- 9	do	1.2	8- 9	do	.5
4- 6	do	1.6	9- 7	do	13.8
5- 3	A. W. Hall	4.9	9-15	do	.3

LODGEPOLE CREEK
Above Kreuger Canal—Sec. 31-14-48 W.

10-12	A. E. Johnston	9.6	6-27	A. W. Hall	5.4
11-12	do	12.2	7-10	do	3.0
6-11	A. W. Hall	5.4	7-29	do	7.2
6-22	do	3.8	8- 9	do	5.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

LODGEPOLE CREEK
Below Kreuger Lake—Sec. 29-14-48 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-12	A. E. Johnston	2.9	5-22	A. W. Hall	11.1
11-12	do	3.3	6-11	do	1.1
12-15	do	5.3	6-22	do	.5
1-17	do	9.2	6-27	do	.5
2- 8	do	9.2	7-10	do	.4
3- 9	do	.0	7-29	do	9.0
3-20	do	.0	8- 9	do	2.0
4- 5	do	.2	9- 7	do	15.2
5- 3	A. W. Hall	8.9			

LODGEPOLE CREEK
Sec. 33-14-48 W.

10-12	A. E. Johnston	3.6	3- 9	A. E. Johnston	0.0
11-12	do	4.6	3-20	do	4.3
12-15	do	7.4	4- 5	do	3.1
2- 8	do	6.1			

LODGEPOLE CREEK
Below McLaughlin Dam—Sec. 25-14-48 W.

5- 3	A. W. Hall	0.0	6-11	A. W. Hall	0.0
5-22	do	.2			

LODGEPOLE CREEK
Below Bluhm Dam—Sec. 25-14-48 W.

10-12	A. E. Johnston	0.0	3-20	A. E. Johnston	2.1
10-27	A. W. Hall	1.2	5- 3	A. W. Hall	1.0
2- 8	A. E. Johnston	.0	5-22	do	4.7
3- 9	do	.0			

LODGEPOLE CREEK
Sec. 29-14-47 W.

8-16 A. W. Hall

3.1

LODGEPOLE CREEK
Chappell—Sec. 21-13-45 W.

10-12	A. E. Johnston	0.2	6-22	A. W. Hall	3.6
11-12	do	.2	7-11	do	2.8
1-17	do	3.3	7-29	do	.1
3-20	do	10.0	8- 9	do	.8
4- 5	do	1.1	8-16	do	.2
5- 3	A. W. Hall	12.4	9- 7	do	34.3
6-11	do	.0	9-15	do	28.5

**DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933**

**LOGEPOLE CREEK
Below LaGrange Dam—Sec. 27-14-48 W.**

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-12	A. E. Johnston	1.6	5- 3	A. W. Hall	7.0
10-27	A. W. Hall	4.9	5-22	do	8.4
11-12	A. E. Johnston	5.4	6-11	do	.8
12-15	do	2.2	6-22	do	.5
1-17	do	2.8	6-27	do	.1
2- 8	do	2.8	7-10	do	35.0
3- 9	do	.0	7-29	do	1.2
3-20	do	4.4	8-16	do	.0
4- 5	do	.0	9- 7	do	14.8

**LOGEPOLE CREEK
Above LaGrange Dam—Sec. 27-14-48 W.**

10-12	A. E. Johnston	2.8	5-22	A. W. Hall	6.2
10-27	A. W. Hall	5.9	6-11	do	2.5
11-12	A. E. Johnston	3.8	6-22	do	1.8
12-15	do	5.6	7-10	do	.5
3-20	do	5.0	7-29	do	2.3
4- 5	do	.9	8-16	do	.5
5- 3	do	7.2			

**LOGEPOLE CREEK
Lodgepole—Sec. 30-14-46 W.**

10-12	A. E. Johnston	0.0	5- 3	A. W. Hall	10.5
11-12	do	5.9	7-11	do	4.0
1-17	do	8.9	8-16	do	.0
3-20	do	2.3	9- 7	do	31.1
4- 5	do	4.4			

**LOGEPOLE CREEK
Interstate Station at Ralton—Sec. 12-12-45 W.**

10-12	A. E. Johnston	0.4	6-11	A. W. Hall	1.9
11-12	do	2.0	6-22	do	.2
1-17	do	3.3	6-27	do	2.9
3-20	do	5.8	7-11	do	3.0
4- 5	do	.4	7-29	do	.4
5- 3	do	11.4	8-16	do	.3
5-22	do	13.1	9- 7	do	37.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

LONERGAN CREEK

Sec. 19-15-39 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-28	A. E. Johnston	4.8	6-13	A. E. Johnston	3.6
11-26	do	9.0	6-22	do	1.9
1- 5	do	11.5	7-14	do	.4
1-27	do	8.5	7-19	do	2.6
2-14	do	9.2	7-27	do	3.3
3-14	do	7.9	8- 8	do	1.5
4-11	do	7.7	8-31	Johnston and LeFever	5.2
5-10	do	12.4	9-14	A. E. Johnston	5.8
5-19	do	7.5	9-22	do	6.6
6- 3	do	1.7			

LOST CREEK

Sec. 1-16-44 W.

10-28	A. E. Johnston	2.1	6-19	J. V. Ruzicka	1.9
11-26	do	3.4	6-23	A. E. Johnston	1.9
1-28	do	7.3	7-14	do	1.5
2-14	do	5.6	7-18	do	.8
4-11	do	5.7	7-28	do	2.2
5- 9	do	26.0	8- 8	do	.9
5-19	do	6.4	8-31	Johnston and LeFever	17.1
6- 2	do	6.8	9-13	A. E. Johnston	16.6
6-12	do	3.1	9-22	do	4.4

LOUP RIVER, MIDDLE

Sargent—Sec. 11-19-18 W.

10-19	M. C. Boyer	975.0	5-19	M. C. Boyer	853.0
1-11	S. C. Moore	921.0	6- 4	L. F. Hanks	756.0
2-24	do	1250.0	7-31	S. C. Moore	721.0
4-18	L. F. Hanks	796.0	8-31	J. H. Bailly	904.0

LOUP RIVER, NORTH

Taylor—Sec. 22-21-18 W.

10-20	M. C. Boyer	489.0	5-19	M. C. Boyer	490.0
1-10	S. C. Moore	676.0	6- 5	L. F. Hanks	434.0
2-23	do	891.0	7-29	S. C. Moore	362.0
4-17	L. F. Hanks	396.0	8-31	J. H. Bailly	450.0

LOUP RIVER, MIDDLE

South of St. Paul—Sec. 10-14-10 W.

10-21	M. C. Boyer	1010.0	5-22	M. C. Boyer	925.0
12- 3	do	1180.0	6- 6	L. F. Hanks	815.0
1-12	S. C. Moore	1410.0	8- 1	S. C. Moore	835.0
2-20	do	972.0	8- 2	do	4020.0
4-15	L. F. Hanks	997.0	9- 2	J. H. Bailly	1070.0
5-13	M. C. Boyer	1580.0	9-30	H. P. Eisenhuth	874.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

LOUP RIVER, NORTH
North of St. Paul—Sec. 14-15-10 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-21	M. C. Boyer	802.0	5-22	M. C. Boyer	834.0
12- 3	do	1050.0	6- 5	L. F. Hanks	599.0
1-13	S. C. Moore	965.0	8- 1	S. C. Moore	650.0
2-26	do	1840.0	9- 2	J. H. Baily	765.0
4-15	L. F. Hanks	790.0	9-30	H. P. Eisenhuth	734.0
5-12	M. C. Boyer	1480.0			

LOUP RIVER
Columbus—Sec. 29-17-1 E.

10-25	M. C. Boyer	2730.0	5-13	M. C. Boyer	3530.0
1-17	S. C. Moore	2120.0	5-23	do	2980.0
2-25	do	5060.0	6- 7	L. F. Hanks	1610.0
3- 2	L. F. Hanks	4760.0	7-27	S. C. Moore	2120.0
3-18	M. C. Boyer	3200.0	8-29	Baily and Boyer	2240.0
4-14	L. F. Hanks	2320.0	9-10	Eisenhuth and Follansbee	1600.0

McGUIRES SLOUGH
Sec. 21-6-40 W.

10- 6	A. E. Johnston	2.7	2-24	A. E. Johnston	3.6
11- 5	do	2.5	3-21	do	3.5
12- 6	do	2.5	4-20	do	5.5
1-18	do	3.7			

MEDICINE CREEK
Cambridge—Sec. 18-4-25 W.

11- 2	A. E. Johnston	58.1	6- 9	L. F. Hanks	54.0
3-10	M. C. Boyer	39.5	7-19	S. C. Moore	20.1
4- 7	L. F. Hanks	58.2	8-22	J. H. Baily	572.0
6- 5	M. C. Boyer	36.2			

MEDICINE CREEK
Maywood—Sec. 16-8-29 W.

10- 3	A. E. Johnston	15.4	1-23	A. E. Johnston	29.1
12- 2	do	28.1	3-24	do	30.7

MELBETA DRAIN
Melbeta—Sec. 24-21-54 W.

10- 6	F. F. LeFever	10.8	6- 8	F. F. LeFever	0.5
10-13	do	5.6	7- 5	do	8.0
12- 1	do	4.0	7-19	do	2.3
12-21	do	2.8	8- 4	do	6.0
2-20	do	3.5	8-12	do	3.3
3-28	do	3.4	8-23	do	2.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

MINNECHUDUZA CREEK
 Valentine—Sec. 23-34-29 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-22	A. E. Johnston	7.8	4-26	A. E. Johnston	62.5
11-23	do	32.5	5-25	do	40.5
1-11	do	22.6	6-27	do	9.6
2- 2	do	15.4	8-24	do	22.0
3- 3	do	17.0	9-29	do	15.9
3-31	do	53.2			

MITCHELL SPILLWAY
 From Tri-State Canal—Sec. 35-23-56 W.

10-12	F. F. LeFever	0.5	3-10	F. F. LeFever	1.0
11- 7	do	31.5	4-12	do	3.0
11-30	do	16.6	4-26	do	4.0
12-17	do	.0	5- 6	do	72.4
1-14	do	10.0	5-11	do	46.7
1-24	do	10.2	5-31	do	35.0
2- 9	do	5.0	9-21	do	156.2

MORRILL DRAIN
 South Line—Sec. 13-23-57 W.

10-12	F. F. LeFever	2.0	7-31	F. F. LeFever	3.0
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MUDDY CREEK
 Arapahoe—Sec. 16-4-23 W.

3-10	M. C. Boyer	2.1	6- 9	L. F. Hanks	5.0
4- 8	L. F. Hanks	4.8	7-19	S. C. Moore	2.2
6- 2	M. C. Boyer	1.5	8-23	J. H. Baily	90.2

MUDDY CREEK
 Hazard—Sec. 29-13-15 W.

10-20	M. C. Boyer	16.4	5-18	M. C. Boyer	29.2
1-12	S. C. Moore	23.3	6- 4	L. F. Hanks	24.7
2-24	do	33.9	7-31	S. C. Moore	18.2
4-18	L. F. Hanks	23.8	9- 1	J. H. Baily	13.5

NIOBRARA RIVER
 U. S. G. S. Station at Valentine—Sec. 30-33-28 W.

10-21	A. E. Johnston	806.0	3-30	A. E. Johnston	998.0
11-22	do	768.0	4-26	do	1100.0
1-10	do	1054.0	5-24	do	1070.0
2- 1	do	838.0	6-28	do	694.0
3- 1	do	1200.0	9-27	do	818.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

NIOBRARA RIVER
Marsland—Sec. 5-28-51 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-14	A. E. Johnston	12.1	4-29	A. E. Johnston	53.8
11-17	do	35.2	5-30	do	51.9
4-4	do	39.0	7-4	do	9.2

NIOBRARA RIVER
Dunlap—Sec. 27-29-48 W.

10-14	A. E. Johnston	5.7	4-29	A. E. Johnston	77.4
11-14	do	44.4	5-30	do	79.7
1-13	do	76.7	7-4	do	10.3
2-4	do	71.7	8-28	do	70.2
3-7	do	69.0	8-28	S. C. Moore	65.0
4-4	do	72.8			

NIOBRARA RIVER
South of Harrison—Sec. 9-29-56 W.

10-15	A. E. Johnston	11.9	7-3	A. E. Johnston	5.6
11-16	do	14.4			

NIOBRARA RIVER
U. S. G. S. Station South of Gordon—Sec. 15-31-41 W.

10-24	A. E. Johnston	181.0	4-25	A. E. Johnston	302.0
11-19	do	153.0	5-25	do	264.0
1-9	do	219.0	6-26	do	107.0
1-31	do	188.0	8-22	do	99.0
2-28	do	235.0	8-23	do	720.0
3-28	do	199.0	9-26	do	158.0

NIOBRARA RIVER
Agate—Sec. 7-28-55 W.

10-15	A. E. Johnston	14.9	7-3	Johnston and Rasmussen	3.8
11-17	do	21.9			

NIOBRARA RIVER
Whistle Creek—Sec. 7-28-53 W.

10-15	A. E. Johnston	7.0	7-3	A. E. Johnston	9.1
11-17	do	35.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

NIOBRARA RIVER
 Below Dam at Valentine—Sec. 28-34-27 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-22	A. E. Johnston	808.0	4-26	A. E. Johnston	1140.0
11-23	do	897.0	5-25	do	1550.0
1-11	do	919.0	6-28	do	737.0
2- 2	do	934.0	8-24	do	809.0
3- 3	do	1260.0	9-29	do	797.0
3-31	do	1070.0			

NIOBRARA RIVER
 Wyoming-Nebraska Line

10-15	A. E. Johnston	6.3	7- 3	A. E. Johnston	2.7
11-16	do	7.7			

NIOBRARA RIVER
 Mouth Near Niobrara

7-26	M. C. Boyer	1020.0	8-31	M. C. Boyer	1630.0
7-31	do	617.0	9- 5	do	938.0
8- 7	do	1050.0	9-10	do	1030.0
8-11	do	759.0	9-15	do	1220.0
8-16	do	970.0	9-20	do	1170.0
8-21	do	1120.0	9-25	do	1100.0
8-26	do	1100.0			

NINE MILE DRAIN
 Sec. 25-21-53 W.

10-10	F. F. LeFever	206.0	4-27	F. F. LeFever	94.6
10-17	do	198.0	5-17	do	84.6
11- 7	do	155.1	6- 2	do	101.0
12- 1	do	136.0	6- 8	do	108.0
12-22	do	116.5	6-19	do	122.0
1- 9	do	113.9	7- 1	do	150.0
1-25	do	107.6	7-13	do	161.4
2- 7	do	98.8	7-27	do	165.0
2-21	do	97.7	8- 4	do	195.0
3-11	do	100.0	8-14	do	192.9
3-28	do	92.1	8-24	do	197.8
4-13	do	88.3	9-23	do	245.8

NORTH PLATTE CANAL WASTE
 Sec. 29-14-30 W.

8-10	A. E. Johnston	42.2	9- 1	Johnston and LeFever	34.0
8-16	do	14.8	9-16	A. E. Johnston	62.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

OAK CREEK
 Capitol Beach—Sec. 16-10-6 E.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-29	M. C. Boyer	8.2	5-31	M. C. Boyer	4.9
1-18	S. C. Moore	11.6	6- 7	L. F. Hanks	4.0
2-16	do	5.0	7-24	S. C. Moore	7.8
3- 3	L. F. Hanks	17.4	8-28	J. H. Baily	10.1
4-12	do	11.9	9-29	H. P. Eisenhuth	5.7

OTTER CREEK
 Sec. 9-15-40 W.

10-28	A. E. Johnston	26.7	6-13	A. E. Johnston	20.7
11-26	do	24.2	6-22	do	16.8
1- 5	do	28.7	7-14	do	24.5
1-27	do	31.0	7-19	do	18.3
2-14	do	24.0	7-27	do	21.9
3-14	do	27.2	8- 8	do	22.2
4-11	do	25.7	8-31	Johnston and LeFever	27.4
5-10	do	33.4	9-14	A. E. Johnston	24.2
5-19	do	25.3	9-22	do	32.9
6- 3	do	16.5			

PAPILLION CREEK, LITTLE
 Sec. 35-15-13 E.

10-29	M. C. Boyer	5.3	4-12	L. F. Hanks	9.8
11-18	L. F. Hanks	7.6	5-31	M. C. Boyer	4.4
1-16	S. C. Moore	6.8	6-14	S. C. Moore	4.1
2-17	do	6.6	7-25	do	3.3
2-28	L. F. Hanks	6.6	8-28	J. H. Baily	3.8

PAWNEE CREEK
 Sec. 4-12-27 W.

10-31	A. E. Johnston	5.5	5-12	A. E. Johnston	27.2
11-29	do	4.1	5-16	do	14.2
1- 4	do	5.5	6- 7	do	6.4
1-26	do	5.2	6-16	do	3.8
2-17	do	6.2	7- 6	do	.7
3-16	do	13.4	8-11	do	11.2
4-14	do	4.0	9- 4	Johnston and LeFever	6.5
5- 5	do	28.8	9-18	A. E. Johnston	7.4

PINE CREEK
 Colclessor Mill—Sec. 33-30-44 W.

10-25	A. E. Johnston	28.5	4-24	A. E. Johnston	72.8
11-19	do	27.4	5-26	do	24.3
1- 9	do	39.7	6-26	do	18.4
1-30	do	33.7	8-21	do	18.3
2-27	do	33.4	9-30	do	24.3
3-28	do	35.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

PLUM CREEK
North Line—Sec. 11-8-21 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
5-5	A. E. Johnston	5.6			

PLUM CREEK
U. P. R. R. Bridge—Sec. 15-19-49 W.

10-7	F. F. LeFever	4.9	3-13	F. F. LeFever	3.7
10-19	do	4.4	4-29	do	3.1
12-2	do	3.7	5-9	do	5.0
1-14	A. E. Johnston	6.2	5-29	do	5.0
1-27	F. F. LeFever	5.2	6-27	do	4.0
2-11	A. E. Johnston	7.7	8-15	do	2.7
2-23	F. F. LeFever	5.0	9-12	do	3.8

PUMPKINSEED CREEK
Sec. 12-19-50 W.

10-20	F. F. LeFever	23.2	5-17	F. F. LeFever	42.4
12-2	do	23.9	6-3	do	27.0
12-23	do	39.9	6-19	do	29.0
1-11	do	42.5	6-29	do	17.0
1-14	A. E. Johnston	47.3	7-10	do	9.0
1-27	F. F. LeFever	35.8	7-15	do	8.8
2-11	A. E. Johnston	44.1	7-27	do	26.3
2-23	F. F. LeFever	41.4	8-16	do	7.9
3-13	do	54.5	8-28	do	136.0
3-29	do	39.5	9-12	A. E. Johnston	37.5
4-15	do	27.9	9-22	F. F. LeFever	37.2
4-28	do	31.4			

PUMPKINSEED CREEK
Sec. 18-19-53 W.

8-4	A. W. Hall	4.2			
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PUMPKINSEED CREEK
South of Bridgeport—Sec. 28-19-50 W.

10-10	A. E. Johnston	7.1	1-14	A. E. Johnston	27.0
11-9	do	8.1	4-15	do	21.7
12-14	do	22.8	8-26	F. F. LeFever	4.9

PUMPKINSEED CREEK
Gering-Kimball Highway—Sec. 4-19-55 W.

10-10	A. E. Johnston	1.0	3-11	A. E. Johnston	3.6
11-9	do	1.7	4-8	do	2.5
12-14	do	3.7	6-19	A. W. Hall	1.7
2-10	do	4.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

PUMPKINSEED CREEK
 Below Mutual Canal—Sec. 33-19-52 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
6-18	F. F. LeFever	4.0	7-10	F. F. LeFever	1.6
6-29	do	1.0	8-16	do	3.2

PUMPKINSEED CREEK
 Below Court House Rock Canal—Sec. 30-19-50 W.

6-19	F. F. LeFever	19.0	8-4	A. W. Hall	0.2
6-29	do	3.0			

RED WILLOW CREEK
 Red Willow—Sec. 17-3-28 W.

10-3	A. E. Johnston	4.8	2-21	A. E. Johnston	18.3
11-3	do	11.9	3-24	do	36.4
12-2	do	22.1	4-17	do	41.5
1-21	do	13.1			

RED WILLOW CREEK
 Below Wild Horse Drain—Sec. 7-20-51 W.

10-10	F. F. LeFever	127.0	4-28	F. F. LeFever	59.4
10-17	do	125.0	5-17	do	55.1
11-7	do	104.6	6-2	do	60.0
12-1	do	91.5	6-24	do	56.0
12-22	do	83.9	7-8	do	85.0
1-9	do	81.3	7-27	do	75.8
1-25	do	75.3	8-5	do	110.0
2-7	do	70.5	8-14	do	76.5
2-21	do	66.7	8-24	do	95.9
3-11	do	66.4	8-26	do	561.0
3-29	do	63.8	9-27	do	205.0
4-13	do	55.2			

REPUBLICAN RIVER
 Colorado-Nebraska Line—Sec. 9-1-42 W.

10-4	A. E. Johnston	34.4	5-8	A. W. Hall	79.7
11-4	do	49.8	5-26	do	46.0
12-5	do	77.9	6-12	do	12.0
1-20	do	76.1	6-26	do	7.3
2-22	do	72.6	7-17	do	31.7
3-23	do	65.2	7-26	do	7.0
4-5	L. F. Hanks	56.0	8-15	do	10.0
4-19	A. E. Johnston	13.0	9-14	do	71.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

REPUBLICAN RIVER, SOUTH BRANCH
Benkleman—Sec. 19-1-37 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 4	A. E. Johnston	12.1	5-25	A. W. Hall	48.0
11- 3	do	36.0	6-13	do	10.0
12- 3	do	57.5	6-26	do	5.7
1-20	do	90.3	7-16	do	9.2
2-23	do	91.2	7-26	do	19.5
3-22	do	61.6	8-14	do	38.6
4-18	do	28.7	9-13	do	588.0
5- 8	A. W. Hall	113.0			

REPUBLICAN RIVER, NORTH BRANCH
Benkleman—Sec. 19-1-37 W.

10- 4	A. E. Johnston	65.1	5-25	A. W. Hall	93.2
11- 3	do	94.3	6-13	do	19.8
12- 3	do	149.0	6-26	do	2.0
1-20	do	125.0	7-16	do	54.8
2-23	do	158.0	7-26	do	7.5
3-22	do	134.0	8-14	do	19.5
4-18	do	60.6	9-13	do	188.0
5- 8	A. W. Hall	87.2			

REPUBLICAN RIVER
Culbertson—Between Sec. 16 and 17-3-31 W.

10- 4	A. E. Johnston	48.6	5-24	A. W. Hall	132.0
11- 3	do	98.2	6-13	do	25.7
12- 3	do	147.0	6-24	do	8.4
1-19	do	165.1	7-15	do	40.0
2-22	do	170.0	7-25	do	11.5
3-23	do	190.0	8-13	do	32.3
4- 7	L. F. Hanks	148.0	9-11	do	213.0
4-18	A. E. Johnston	89.0	9-13	do	2510.0
5- 6	A. W. Hall	475.0			

REPUBLICAN RIVER
McCook—Sec. 31-3-29 W.

10- 3	A. E. Johnston	81.0	5- 7	A. W. Hall	746.0
11- 3	do	176.0	5-25	do	257.0
12- 2	do	314.0	6-13	do	41.0
1-21	do	449.0	6-24	do	5.0
2-21	do	396.0	7-14	do	39.0
3-24	do	484.0	9-12	do	3780.0
4-18	do	275.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

REPUBLICAN RIVER
Oxford—Sec. 31-4-21 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11-15	L. F. Hanks	188.0	6- 2	M. C. Boyer	199.0
1-22	S. C. Moore	386.0	6- 9	L. F. Hanks	116.0
2-10	do	95.0	7-19	S. C. Moore	35.0
3- 5	L. F. Hanks	628.0	8-24	J. H. Baily	687.0
4- 9	do	334.0	9-12	A. W. Hall	740.0

REPUBLICAN RIVER
Bloomington—Sec. 8-1-15 W.
U. S. G. S. Station

1-22	S. C. Moore	418.0	6- 9	L. F. Hanks	182.0
2-10	do	139.0	7-20	S. C. Moore	569.0
3- 4	L. F. Hanks	648.0	8-24	J. H. Baily	1380.0
4-10	do	349.0	9- 8	Eisenhuth and Follansbee	1130.0
6- 2	M. C. Boyer	356.0			

REPUBLICAN RIVER
Hardy—Sec. 6-1-5 W.

10-26	M. C. Boyer	101.0	6- 1	M. C. Boyer	502.0
11-17	L. F. Hanks	40.0	6- 8	L. F. Hanks	275.0
1-21	S. C. Moore	547.0	7-21	S. C. Moore	385.0
2-11	do	100.0	8-25	J. H. Baily	326.0
3- 4	L. F. Hanks	902.0	9- 8	Eisenhuth and Follansbee	1340.0
4-10	do	575.0	9-21	H. P. Eisenhuth	1430.0

REPUBLICAN RIVER
Holbrook—Sec. 22-14-24 W.

1-23	S. C. Moore	424.0	6- 9	L. F. Hanks	78.0
2- 9	do	63.0	7-19	S. C. Moore	56.0
3- 5	L. F. Hanks	451.0	7-25	A. W. Hall	5.0
4- 8	do	334.0	8-22	J. H. Baily	2720.0
6- 2	S. C. Moore	158.0			

REPUBLICAN RIVER
Max—Sec. 32-2-36 W.
U. S. G. S. Station

10- 4	A. E. Johnston	60.8	5- 8	A. W. Hall	225.0
11- 3	do	133.0	5-25	do	179.0
12- 3	do	184.0	6-13	do	25.0
1-20	do	140.1	6-26	do	1.0
2-23	do	185.0	7-16	do	103.0
3-22	do	220.0	7-26	do	39.0
4- 6	L. F. Hanks	104.0	8-14	do	63.0
4-18	A. E. Johnston	71.0	9-13	do	1026.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

ROCK CREEK
Parks—Sec. 21-1-39 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 4	A. E. Johnston	14.2	5-26	A. W. Hall	14.9
11- 4	do	14.5	6-12	do	14.4
12- 5	do	22.5	6-26	do	11.0
1-20	do	18.2	7-17	do	13.6
2-22	do	25.5	7-26	do	15.4
3-23	do	20.8	8-14	do	14.3
4-19	do	19.1	9-14	do	16.2
5- 8	A. W. Hall	23.8			

SAND HILL LAKES—See page 476

SAND CREEK
Sec. 10-15-40 W.

10-28	A. E. Johnston	5.0	6-13	A. E. Johnston	3.5
11-26	do	5.9	6-22	do	.8
1- 5	do	6.0	7-14	do	3.9
1-27	do	5.1	7-19	do	3.3
2-14	do	5.5	7-27	do	4.3
3-14	do	6.4	8- 8	do	6.4
4-11	do	4.3	8-31	Johnston and LeFever	7.5
5-10	do	3.3	9-14	A. E. Johnston	3.8
5-19	do	2.9	9-22	do	7.5
6- 3	do	3.9			

SARBEN SLOUGH
Sec. 20-14-35 W.

10-29	A. E. Johnston	1.8	6-14	A. E. Johnston	1.6
11-26	do	2.1	6-21	do	1.0
1- 5	do	5.1	7-13	do	1.0
2-15	do	4.6	7-20	do	.8
3-15	do	4.1	7-26	do	.8
4-12	do	1.9	8- 9	do	.4
5-18	do	2.9	9- 1	do	1.9
6- 5	do	.9	9-15	do	3.5

SCHLAGEL CREEK
Sec. 24-33-28 W.

10-22	A. E. Johnston	12.7	4-26	A. E. Johnston	22.2
11-22	do	18.6	5-24	do	32.2
1-11	do	30.5	6-28	do	8.8
2- 1	do	18.7	8-23	do	16.5
3- 1	do	18.9	9-27	do	20.5
3-30	do	12.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

SCOTTSBLUFF DRAIN NO. 1
 Sec. 25-22-55 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 6	F. F. LeFever	22.5	2-20	F. F. LeFever	8.8
10-13	do	20.6	3-11	do	8.5
11- 7	do	13.6	4-13	do	9.7
11-30	do	13.9	5-31	do	13.0
12-21	do	12.6	7- 1	do	17.0
12-31	do	12.1	8- 3	do	21.9
1-24	do	10.7	8-23	do	27.2
2- 9	do	9.7	9-23	do	22.6

SCOTTSBLUFF DRAIN NO. 2
 Sec. 34-22-54 W.

10-13	F. F. LeFever	10.7	3-28	F. F. LeFever	3.7
11- 7	do	5.9	6- 1	do	5.0
12-31	do	4.6	8-12	do	14.3
1-25	do	4.3	9-23	do	12.4

SCOUT CREEK
 North Platte—Sec. 30-14-30 W.

8-10	A. E. Johnston	19.5	9- 2	Johnston and LeFever	16.4
8-16	do	9.8	9-16	A. E. Johnston	15.4

SHEEP CREEK
 Morrill—Sec. 21-23-57 W.

10-11	F. F. LeFever	121.3	4-12	F. F. LeFever	73.3
11- 4	do	107.9	4-25	do	79.9
11-29	do	100.2	5-11	do	90.6
12-16	do	91.5	5-22	do	73.0
12-30	do	88.8	5-30	do	26.0
1-12	do	87.5	6- 7	do	5.0
1-23	do	96.3	7-19	do	3.6
2- 7	do	68.5	8-22	do	4.2
3- 9	do	87.7	9-20	do	129.8
3-27	do	76.3			

SILVERNAIL DRAIN
 Sec. 6-19-49 W.

10- 7	F. F. LeFever	12.6	5- 9	F. F. LeFever	7.0
10-19	do	12.6	5-29	do	7.0
12- 2	do	10.3	6-17	do	12.0
1-14	A. E. Johnston	10.6	6-27	do	12.0
1-27	F. F. LeFever	8.4	7- 6	do	8.0
2-11	A. E. Johnston	9.7	7-15	do	9.1
2-23	F. F. LeFever	7.6	8-15	do	9.7
3-13	do	7.6	9-12	do	23.5
4-29	do	6.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1938

SKUNK CREEK
 Sec. 1-14-37 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-29	A. E. Johnston	3.0	6- 3	A. E. Johnston	2.1
11-26	do	3.6	6-14	do	1.7
1- 5	do	4.7	6-22	do	1.0
1-27	do	2.4	7-13	do	1.8
2-14	do	3.7	7-19	do	.9
3-14	do	4.8	8- 9	do	2.2
4-11	do	2.6	9- 1	Johnston and LeFever	2.4
5-18	do	3.8	9-14	A. E. Johnston	2.6

SNAKE RIVER
 Above Fall—Sec. 9-31-30 W.

10-21	A. E. Johnston	306.0	4-26	A. E. Johnston	325.0
11-22	do	255.0	5-24	do	300.0
1-10	do	295.0	6-28	do	233.0
2- 1	do	294.0	8-23	do	278.0
3- 1	do	314.0	9-27	do	271.0
3-30	do	304.0			

SNAKE CREEK
 Alliance-Bridgeport Highway—Sec. 8-24-48 W.

10-26	A. E. Johnston	0.0	8-29	A. E. Johnston	0.0
11-25	do	.0	9-25	do	.0
3-27	do	.0			

SOLDIER CREEK
 Ft. Robinson—Sec. 19-31-52 W.

10-17	A. E. Johnston	4.5	4- 3	A. E. Johnston	4.1
11-15	do	1.5	4-29	do	3.8
1-13	do	2.2	5-30	do	1.9
2- 4	do	2.7	7- 1	do	.1
3- 6	do	2.9			

SOW BELLY CREEK
 Sec. 33-3-56 W.

11-18	A. E. Johnston	0.6			
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

SPOTTED TAIL, DRY
 Sec. 28-23-56 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-12	F. F. LeFever	76.3	4-25	F. F. LeFever	40.8
11- 5	do	42.5	5-11	do	32.0
11-29	do	38.1	5-31	do	41.0
12-17	do	41.8	6-15	do	46.0
12-30	do	36.7	6-22	do	55.0
1-12	do	36.9	7- 1	do	38.0
1-24	do	36.9	7-12	do	35.6
2- 9	do	28.7	7-20	do	38.3
2-17	do	30.3	8- 2	do	53.2
3-10	do	29.7	8-11	do	42.2
3-28	do	33.3	8-22	do	39.8
4-12	do	28.9	9-20	do	106.0

SPOTTED TAIL, WET AND KRONBERG SEEP
 Sec. 1-22-56 W.

10- 5	F. F. LeFever	18.4	3-28	F. F. LeFever	15.6
11- 7	do	20.8	4-26	do	15.9
11-30	do	18.8	5-11	do	20.6
12-17	do	19.2	5-31	do	19.0
12-30	do	18.1	6-23	do	16.0
1-24	do	18.7	7-12	do	22.0
2- 9	do	14.3	8-12	do	19.4
2-20	do	15.9	8-23	do	22.4
3-10	do	13.4	9-21	do	18.5

SPRING CREEK
 Wyoming-Nebraska Line—Sec. 4-23-58 W.

11- 4	F. F. LeFever	11.8	3-10	F. F. LeFever	11.6
1-12	do	11.3	7-11	do	8.7

SPRING CREEK
 Tributary to Little Cottonwood—Sec. 13-32-51 W.

10-17	A. E. Johnston	2.7	4-28	A. E. Johnston	0.8
11-15	do	1.3	5-29	do	.9
4- 3	do	1.0	6-30	do	.0

SQUAW CREEK
 Above McDowell's Reservoir—Sec. 12-31-52 W.

10- 2	A. E. Johnston	0.0	4- 3	A. E. Johnston	0.1
10-17	do	.0	4-28	do	.7
11- 4	do	.0	5-29	do	.8
11-15	do	.0	7- 1	do	.0
1-13	do	.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

SQUAW CREEK
 Below McDowell's Reservoir—Sec. 1-31-52 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-17	A. E. Johnston	0.0	4-28	A. E. Johnston	0.2
11-15	do	.3	4-29	do	.7
1-13	do	.0	5-29	do	1.9
4- 3	do	.1	7- 1	do	.3

STEWART'S DRAIN
 Sec. 13-23-57 W.

10-12	F. F. LeFever	1.5	7-31	F. F. LeFever	0.5
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STINKING WATER CREEK
 Palisade—Sec. 25-5-34 W.

10- 5	A. E. Johnston	25.5	5-24	A. W. Hall	26.7
11- 5	do	32.0	6-14	do	29.4
12- 5	do	37.0	6-24	do	21.2
1-19	do	35.3	7-13	do	18.1
2-23	do	64.0	7-27	do	7.1
3-22	do	78.6	8-12	do	16.1
4-19	do	49.5	9-10	do	24.2
5- 6	A. W. Hall	70.4			

STREVER CREEK
 Into Elm Creek Canal—Sec. 1-8-20 W.

11- 1	A. E. Johnston	11.2	7- 7	A. E. Johnston	12.5
11-30	do	13.6	7-10	do	45.5
1- 3	do	28.3	7-22	do	7.0
1-25	do	10.8	7-24	do	4.4
3-17	do	14.1	8- 2	do	1.4
4-15	do	29.7	8- 3	do	5.0
5- 4	do	53.9	8-12	do	13.9
5-15	do	32.8	8-14	do	29.1
6- 8	do	30.5	9- 5	Johnston and LeFever	34.8
6-17	do	27.8	9-19	A. E. Johnston	45.6
6-19	do	22.2			

STREVER CREEK
 Below Dawson County Drain—Secs. 13 and 14-9-21 W.

11- 1	A. E. Johnston	13.7	2-18	A. E. Johnston	21.0
11-30	do	14.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

THIRTY MILE CANAL WASTE NO. 1
Into Orchard and Alfalfa Canal—Sec. 8-10-24 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
5-13	A. E. Johnston	15.8	9- 4	Johnston and LeFever	1.5
6-16	do	5.0	9-18	A. E. Johnston	6.1
6-19	do	.5	9-20	do	17.3
7-10	do	3.0			

THIRTY MILE CANAL WASTE NO. 2
Into Orchard and Alfalfa Canal—Sec. 8-10-24 W.

5-13	A. E. Johnston	6.1	7-22	A. E. Johnston	0.0
6-16	do	.4	9- 4	Johnston and LeFever	4.4
6-19	do	.5	9-18	A. E. Johnston	27.1
7- 7	do	.0	9-20	do	27.1
7-10	do	10.0			

TIMBER CREEK, BIG
Belgrade-Fullerton Highway—Sec. 25-17-7 W.

10-24	M. C. Boyer	13.7	5-16	M. C. Boyer	4.7
1- 6	S. C. Moore	5.4	6- 6	L. F. Hanks	2.0
2-19	do	4.5	7-27	S. C. Moore	1.8
4-14	L. F. Hanks	4.2	8-30	Baily and Boyer	1.5

TOOHEY DRAIN
Sec. 20-23-56 W.

11-29	F. F. LeFever	3.3	3-10	F. F. LeFever	3.2
12-17	do	3.5	4-25	do	2.7
1-12	do	2.7	6-22	do	3.0
2-17	do	2.8	8-11	do	4.3

TOOHEY SPILLWAY
From Tri-State Canal—Sec. 19-23-56 W.

10-12	F. F. LeFever	23.3	2-17	F. F. LeFever	17.9
11- 5	do	29.4	3-10	do	18.1
11-29	do	24.3	3-28	do	13.0
12-17	do	21.9	4-12	do	12.9
12-30	do	21.2	4-25	do	11.8
1-12	do	19.7	5-11	do	.0
1-24	do	21.7	9-20	do	.0
2- 9	do	17.1			

**DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933**

**TRUNK BUTTE CREEK
Sec. 25-33-50 W.**

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11- 4	A. E. Johnston	0.0	4- 3	A. E. Johnston	0.1
11-15	do	.0	5-29	do	5.0

**TUB SPRINGS
Sec. 8-22-55 W.**

10- 5	F. F. LeFever	125.4	4-12	F. F. LeFever	29.5
10-12	do	90.1	5-11	do	51.0
11- 7	do	61.6	5-31	do	41.0
11-30	do	54.9	6- 7	do	9.0
12-17	do	45.3	6-23	do	18.0
12-30	do	42.9	7- 1	do	7.0
1-14	do	40.9	7-12	do	7.2
1-24	do	37.9	7-21	do	6.9
2- 9	do	33.4	7-31	do	7.4
2-20	do	35.4	8-12	do	5.3
3-10	do	36.8	8-23	do	6.1
3-28	do	32.9	9-21	do	70.0

**TUB SPRINGS
Above Enterprise Canal—Sec. 33-23-55 W.**

4-26	F. F. LeFever	29.4	7-12	F. F. LeFever	31.6
5-11	do	37.6	7-21	do	32.4
5-31	do	35.0	7-31	do	33.6
6- 7	do	39.0	8-12	do	37.1
6-15	do	24.0	8-23	do	38.0
6-23	do	32.0	9-21	do	40.1
7- 1	do	31.0			

**TUB SPRINGS
Below Enterprise Canal—Sec. 32-23-55 W.**

4-26	F. F. LeFever	44.4	7- 1	F. F. LeFever	4.0
5-11	do	50.9	7-12	do	3.1
6-23	do	15.0	8-12	do	1.6

**TURKEY CREEK
Naponee—Sec. 4-1-16 W.**

7-25	A. W. Hall	3.5			
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1933

TURKEY CREEK

West of Oxford—Sec. 31-4-21 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11-15	L. F. Hanks	2.3	6-9	L. F. Hanks	1.4
3-10	M. C. Boyer	1.1	7-19	S. C. Moore	.2
4-8	L. F. Hanks	2.7	8-21	J. H. Baily	34.7
6-2	M. C. Boyer	.5			

WAHOO CREEK

North of Ashland—Sec. 35-13-9 W.

9-21	H. P. Eisenhuth	23.9			
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WHISTLE CREEK

Sec. 12-28-54 W.

10-15	A. E. Johnston	0.0	7-3	A. E. Johnston	0.0
11-17	do	.0			

WHITE CLAY CREEK

East of Crawford—Sec. 2-31-52 W.

10-17	A. E. Johnston	1.9	4-3	A. E. Johnston	4.0
11-15	do	.6	4-28	do	2.7
1-13	do	3.5	5-29	do	3.7
2-4	do	3.3	7-1	do	1.9
3-6	do	3.0			

WHITE CLAY CREEK

Below Junction with Larabee Creek—Sec. 6-34-44 W.

10-25	A. E. Johnston	5.8	4-24	A. E. Johnston	4.7
11-23	do	3.5	5-26	do	7.9
1-12	do	3.5	6-29	do	2.8
2-2	do	2.8	8-25	do	1.3
3-3	do	4.1	9-25	do	2.9
3-31	do	1.1			

WHITEMANS FORKS

Near Champion—Sec. 22-6-39 W.

11-5	A. E. Johnston	1.3	6-15	A. W. Hall	2.3
12-6	do	1.3	6-23	do	1.2
1-18	do	1.6	7-12	do	1.2
2-24	do	3.4	7-28	do	.7
4-20	do	2.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1983

WHITE HORSE CREEK
Gannett—Sec. 5-13-29 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-31	A. E. Johnston	14.2	5-16	A. E. Johnston	27.9
11-28	do	20.1	6- 6	do	8.0
1- 4	do	14.1	6-15	do	7.4
1-26	do	15.7	6-20	do	3.9
2-16	do	13.6	7- 6	do	1.9
3-16	do	23.5	7-21	do	.8
4-13	do	18.6	8-11	do	6.3
5- 6	do	74.8	9- 4	Johnston and LeFever	7.3
5-12	do	78.3	9-18	A. E. Johnston	11.4

WHITE RIVER
West of Chadron—Sec. 18-33-49 W.

10-18	A. E. Johnston	5.0	5-29	A. E. Johnston	85.4
11-15	do	9.8	6-30	do	19.5
2- 3	do	12.8	8-26	do	361.0
4- 3	do	15.2	8-27	S. C. Moore	44.0
4-28	do	29.6			

WHITE RIVER
Below Whitney Diversion Dam—Sec. 26-32-52 W.

11-15	A. E. Johnston	0.5	4- 3	A. E. Johnston	4.1
1-12	do	12.2	4-28	do	4.6
2- 3	do	5.0	5-29	do	27.9
3- 7	do	20.0	7- 1	do	.9

WHITE RIVER
Above Whitney Diversion—Sec. 26-32-52 W.

10-17	A. E. Johnston	9.8	4- 3	A. E. Johnston	28.7
11-15	do	17.8	4-28	do	35.5
1-12	do	31.1	5-29	do	21.2
2- 3	do	49.7	7- 1	do	1.4
3- 7	do	41.5	8-28	do	514.0

WHITE RIVER
Military Road—Sec. 10-31-52 W.

10-17	A. E. Johnston	24.1	4- 3	A. E. Johnston	25.6
11-15	do	23.9	4-29	do	30.1
1-13	do	26.0	5-30	do	34.0
2- 4	do	38.4	7- 1	do	15.9
3- 6	do	31.4	8-28	do	118.0
3- 7	do	32.1			

DISCHARGE MEASUREMENTS OF STREAMS—Concluded
Year Ending September 30, 1938

WHITE TAIL CREEK
 Sec. 36-15-38 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-29	A. E. Johnston	36.3	6-3	A. E. Johnston	29.5
11-26	do	31.5	6-14	do	31.0
1-5	do	34.8	6-22	do	31.4
1-27	do	31.1	7-12	do	16.7
2-14	do	33.6	7-19	do	23.1
3-14	do	30.4	8-9	do	25.7
4-11	do	44.8	9-1	Johnston and LeFever	31.5
5-18	do	32.6	9-14	A. E. Johnston	32.8

WILLOW CREEK
 North of Sarben—Sec. 15-14-35 W.

10-29	A. E. Johnston	1.5	6-5	A. E. Johnston	1.5
11-26	do	.7	6-14	do	1.2
1-5	do	1.6	6-21	do	1.1
1-27	do	1.6	7-13	do	1.5
2-15	do	1.8	7-20	do	1.4
3-15	do	2.0	8-9	do	1.1
4-12	do	1.6	9-1	Johnston and LeFever	1.3
5-18	do	2.0	9-15	A. E. Johnston	1.6

WINTERS CREEK
 East of Scottsbluff Sugar Factory—Sec. 19-22-54 W.

10-6	F. F. LeFever	131.6	3-28	F. F. LeFever	56.8
10-13	do	107.2	4-13	do	33.7
11-7	do	73.5	4-26	do	61.4
11-30	do	66.2	5-31	do	17.0
12-21	do	69.9	6-16	do	4.0
12-31	do	69.1	7-12	do	58.7
1-14	do	69.3	8-3	do	70.1
1-24	do	61.6	8-12	do	68.8
2-20	do	56.5	8-23	do	84.7
3-11	do	57.9	9-23	do	104.0

SAND HILL LAKES
GAGE HEIGHT RECORDS SHOWING RISE AND FALL OF
WATER SURFACE
Year ending September 30, 1933.

CARNINE LAKE

Sec. 2-22-50 W.

DATE	HYDROGRAPHER	GAGE HEIGHT	DATE	HYDROGRAPHER	GAGE HEIGHT
10-26	A. E. Johnston	10.80	1- 9	A. E. Johnston	10.50
11-25	do	10.15			

CRESCENT LAKE

Sec. 21-20-44 W.

10-27	A. E. Johnston	3784.12	6- 2	A. E. Johnston	3785.34
4-10	do	3784.52	8- 7	do	3783.76

Note: Sea level elevations

LAKE ELI

Eli—Sec. 12-34-36 W.

10-20	A. E. Johnston	10.00	4-25	A. E. Johnston	9.90
11-21	do	9.05	5-23	do	10.00
1-11	do	9.40	6-27	do	9.40
2-28	do	9.50	8-22	do	8.40
3-29	do	9.80	9-26	do	8.50

EAST VALLEY LAKE

Sec. 20-22-46 W.

10-25	A. E. Johnston	3883.42			
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Note: Sea level elevation

HACKBERRY LAKE

Simon—Sec. 29-31-28 W.

10-22	A. E. Johnston	4.44	3- 2	A. E. Johnston	4.20
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THOMPSON LAKE

Lakeside—Sec. 9-24-44 W.

10-26	A. E. Johnston	3.50			
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DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1934

AKERS DRAW
 Above Tri-State Canal—Sec. 12-23-27 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
5-15	F. F. LeFever	10.3	7- 3	F. F. LeFever	10.3
5-22	do	10.8	8-20	do	11.7
5-30	do	8.7	9-18	do	11.4

ALLIANCE DRAIN
 Above Tri-State Canal—Sec. 18-22-53 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
6- 1	F. F. LeFever	9.5	8-20	F. F. LeFever	9.2
7-12	do	8.9	9-17	do	3.5

ALLIANCE CANAL WASTE
 West Line of Sec. 18-20-50 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 3	F. F. LeFever	2.0	5- 8	F. F. LeFever	3.0

ANTELOPE CREEK
 Main Street of Gordon

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-31	A. E. Johnston	0.0	4-17	A. E. Johnston	0.0
1-12	do	.0	7- 6	do	.0
2-15	do	.0	9- 1	do	.0

ARIKAREE RIVER
 Haigler—Sec. 28-1-41 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-18	A. W. Hall	15.9	4-26	A. W. Hall	16.4
11-11	A. E. Johnston	22.9	5-15	do	8.0
12- 6	do	21.7	6-23	do	17.4
1-25	do	21.9	7-24	do	.3
3- 1	do	20.8	8-23	do	9.5
4- 2	do	15.5			

ASH CREEK
 Whitney—Sec. 7-32-50 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 2	A. E. Johnston	1.5	4-20	A. E. Johnston	1.5
11- 4	do	2.2	5-12	do	1.5
1-16	do	4.2	7- 4	do	.0
2-14	do	3.2	8- 4	do	.0
3-20	do	4.8			

ASH CREEK, EAST
 Sec. 32-32-50 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 2	A. E. Johnston	0.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

BALD DRAIN
Sec. 32-23-56 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 4	F. F. LeFever	6.9	5- 2	F. F. LeFever	2.0
10-18	do	7.4	6- 9	do	2.8
11-23	do	5.4	7-25	do	2.8
1-19	do	4.5	8-21	do	1.8
3-21	A. W. Hall	2.5	9-18	do	2.5
4-10	do	1.9			

BAYARD SUGAR FACTORY DRAIN
Sec. 34-21-52 W.

10- 9	F. F. LeFever	64.4	5-25	F. F. LeFever	30.2
11- 1	do	51.4	6- 9	do	1.0
11-24	do	48.7	6-11	do	23.6
1- 9	do	40.1	7-10	do	20.8
1-20	do	42.2	7-17	do	21.6
2- 5	do	37.6	7-23	do	1.1
3-23	A. W. Hall	31.5	7-26	do	25.3
4-11	do	28.6	8-23	do	22.9
5- 4	F. F. LeFever	31.4	9-20	do	13.1
5-17	do	1.5			

BAZILLE CREEK
Niobrara—Sec. 21-32-5 W.

11- 3	H. P. Eisenhuth	31.4	6-17	H. P. Eisenhuth	70.0
11-29	do	39.9	7-21	M. C. Boyer	13.2
4-22	F. F. LeFever	39.4	8- 7	L. F. Hanks	6.7
5-19	H. P. Eisenhuth	24.8	9-18	do	14.4

BEAR CREEK
Eli—Sec. 25-34-36 W.

10-31	A. E. Johnston	7.8	4-17	A. E. Johnston	15.0
1-12	do	19.7	7- 6	do	2.9
2-15	do	23.7	8- 2	do	5.0
3-17	do	19.8	9- 1	do	5.6

BEAR CREEK
Northeast of Merriman—Sec. 16-34-37 W.

8- 2	A. E. Johnston	0.4
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BEAVER CREEK
Beaver City—Sec. 22-2-23-W.

8-21	J. H. Baily	23.2
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

BEAVER CREEK
 Hollinger—Sec. 10-2-21 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
8-21	J. H. Baily	29.7			

BEAVER CREEK
 Albion—Sec. 15-20-6 W.

10- 2	M. C. Boyer	45.4	5-24	M. C. Boyer	32.9
11- 7	H. P. Eisenhuth	51.0	6-15	H. P. Eisenhuth	56.0
12- 2	do	85.0	7-23	M. C. Boyer	17.9
2- 9	S. C. Moore	68.0	8- 9	L. F. Hanks	24.4
4-17	F. F. LeFever	56.0	9-17	do	33.4

BEAVER CREEK
 Lebanon—Sec. 17-1-26 W.

8-21	J. H. Baily	9.0			
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BIRDWOOD CREEK
 Sec. 2-14-33 W.

10- 9	A. E. Johnston	172.7	6- 4	A. E. Johnston	149.4
10-24	do	198.4	6- 9	do	103.8
11-23	do	220.0	6-14	do	141.2
12-14	do	192.1	7-12	A. W. Hall	114.6
1- 8	do	242.9	7-13	A. E. Johnston	157.9
1-31	do	191.2	7-17	do	113.2
3- 7	do	169.2	7-23	do	110.8
4- 6	do	178.4	8- 7	A. W. Hall	122.0
4-30	do	144.9	8-17	A. E. Johnston	425.4
5- 7	do	146.2	8-18	do	263.0
5-17	do	130.7	9-13	do	185.2
5-24	do	124.6	9-22	do	189.4

BLUE CREEK
 Lewellen—Sec. 30-16-42 W.

10- 7	A. E. Johnston	86.5	5-21	A. E. Johnston	5.9
10-25	do	80.0	5-28	A. W. Hall	70.1
11- 7	do	122.0	6-20	F. F. LeFever	24.1
11-22	do	94.0	7-13	A. W. Hall	75.6
1- 9	do	118.0	7-20	F. F. LeFever	8.9
1-30	do	104.2	8- 6	A. W. Hall	.3
3- 6	do	95.0	8-11	A. E. Johnston	25.8
4- 5	do	92.3	8-12	do	105.9
4-14	do	87.9	8-15	do	92.7
4-27	do	12.7	8-25	F. F. LeFever	1.2
4-30	A. W. Hall	2.1	9-28	A. E. Johnston	21.3
5- 8	A. E. Johnston	77.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

BLUE RIVER, LITTLE
 Ayr—Sec. 16-5-10 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
7-21	A. W. Hall	0.7			

BLUE RIVER, LITTLE
 Ayr—Sec. 4-5-10 W.

7-21	A. W. Hall	1.1			
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BLUE RIVER, LITTLE
 Leroy—Sec. 25-6-10 W.

7-21	A. W. Hall	8.2			
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BLUE RIVER, LITTLE
 Spring Ranch—Sec. 16-5-8 W.

7-21	A. W. Hall	36.8			
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BLUE RIVER, LITTLE
 Oak—Sec. 7-3-5 W.

7-21	A. W. Hall	36.4			
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BLUE RIVER, LITTLE
 Deshler—Sec. 20-3-4 W.

2-1	S. C. Moore	106.0	6-21	H. P. Eisenhuth	67.0
3-29	F. F. LeFever	80.0	7-28	M. C. Boyer	34.1
4-25	do	71.0	8-23	J. H. Baily	16.5
5-29	M. C. Boyer	59.0	9-28	L. F. Hanks	7.3

BLUE RIVER, LITTLE
 Hebron—Sec. 6-2-2 W.

8-18	A. W. Hall	47.1			
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BLUE RIVER, LITTLE
 Endicott—Sec. 3-1-3 E.

10-26	H. P. Eisenhuth	110.0	6-20	H. P. Eisenhuth	96.0
11-24	do	119.0	7-27	M. C. Boyer	47.7
2-2	S. C. Moore	168.0	8-18	A. W. Hall	85.5
3-26	F. F. LeFever	136.0	8-23	J. H. Baily	49.3
4-25	do	109.0	9-27	L. F. Hanks	376.0
5-29	M. C. Boyer	97.9			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

BLUE RIVER, LITTLE
 Steele City—Sec. 24-1-3 E.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
7-22	A. W. Hall	40.2			

BLUE RIVER, BIG
 Seward—Sec. 28-11-3 E.

8-9	A. W. Hall	3.1			
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BLUE RIVER, BIG
 Barnston—Sec. 13 and 24-1-7 E.

10-26	H. P. Eisenhuth	11.8	5-28	M. C. Boyer	22.3
11-25	do	251.0	6-20	H. P. Eisenhuth	252.0
2-2	S. C. Moore	34.6	7-27	M. C. Boyer	10.9
3-26	F. F. LeFever	54.0	8-23	J. H. Baily	10.6
3-26	do	251.0	9-27	L. F. Hanks	622.0
4-24	do	258.0			

BOGGY CREEK

Below Wickersham Diversion Dam—Sec. 31-33-54 W.

4-24	A. E. Johnston	0.2			
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BORDEAUX CREEK, LITTLE
 Sec. 13-33-48 W.

11-3	A. E. Johnston	2.7	5-11	A. E. Johnston	1.7
1-15	do	3.8	7-5	do	.7
2-14	do	1.6	8-3	do	.2
3-19	do	3.5	9-2	do	.8
4-20	do	3.1			

BORDEAUX CREEK, BIG
 Chadron—Sec. 14-33-48 W.

11-3	A. E. Johnston	4.6	5-11	A. E. Johnston	3.4
1-15	do	7.5	7-5	do	2.7
2-14	do	5.8	8-3	do	1.1
3-19	do	6.0	9-2	do	1.4
4-20	do	4.9			

BORDEAUX CREEK, BIG
 Sec. 25-33-48 W.

9-2	A. E. Johnston	2.4			
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

BORDEAUX CREEK, BIG
Chris Gochnauer's Ranch—Sec. 10-33-48 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
7- 5	A. E. Johnston	1.4	9- 2	A. E. Johnston	2.8
8- 3	do	.3			

BORDEAUX CREEK, BIG
Below Thomas Canal—Sec. 34-34-48 W.

11- 3	A. E. Johnston	2.2	7- 5	A. E. Johnston	2.3
4-20	do	5.5	8- 3	do	.2
5-11	do	6.2	9- 2	do	1.0

BOARDMAN CREEK
Below Bachlor's Dam—Sec. 32-30-31 W.

7- 8	A. E. Johnston	4.6			
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BOARDMAN CREEK
Sec. 34-33-30 W.

7- 8	Johnston and Bachlor	4.8			
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BUFFALO CREEK
Elm Creek—Sec. 33-9-18 W.

10-12	A. E. Johnston	48.0	5-23	A. E. Johnston	2.3
10-20	do	67.3	5-25	do	.2
11-28	do	3.5	6-22	do	8.5
1- 5	do	3.2	6-23	do	6.8
2- 2	do	9.1	6-29	do	2.5
3-10	do	7.9	6-30	do	1.1
4-11	do	5.0	7-11	do	.0
5- 2	do	6.0	7-15	do	.0
5- 4	do	40.4	7-16	do	3.9
5-16	do	14.1	9-24	do	.0

BUFFALO CREEK
Jenkins' Ranch—Sec. 20-1-40 W.

11-11	A. E. Johnston	12.7	4-26	A. W. Hall	9.7
12- 6	do	14.7	5-15	do	6.8
1-25	do	13.2	7-24	do	3.9
3- 1	do	15.7	8-23	do	6.5
4- 2	do	15.7			

BULL DRAIN
Maxwell—Sec. 19-13-28 W.

10-11	A. E. Johnston	3.7	5-18	A. E. Johnston	0.9
3- 9	do	4.5	6- 8	do	1.3
5- 1	do	1.6	6-18	do	1.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

BURTON CREEK
 Sec. 19-34-19 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
7-30	A. E. Johnston	0.0	8-31	A. E. Johnston	0.1
7-31	do	.0			

CALAMUS RIVER
 Taylor—Sec. 22-23-18 W.

10- 4	M. C. Boyer	200.0	5-23	M. C. Boyer	176.0
11- 3	H. P. Eisenhuth	195.0	6-11	H. P. Eisenhuth	180.0
11-29	do	202.0	7-19	M. C. Boyer	184.0
3-21	F. F. LeFever	219.0	8- 8	L. F. Hanks	175.0
4-21	do	198.0	9-29	do	192.0

CAMP CLARK SEEP
 North Line—Sec. 9-20-51 W.

10-12	F. F. LeFever	7.2	5-17	F. F. LeFever	1.0
11- 3	do	3.9	7-26	do	2.1
11-24	do	4.4	8-23	do	1.8
3-23	A. W. Hall	.5	9-20	do	1.6

CEDAR BRANCH CREEK
 Nevins—Sec. 17-14-35 W.

10- 9	A. E. Johnston	1.8	4-28	A. E. Johnston	2.1
10-24	do	2.4	5-29	do	2.1
11-23	do	2.2	6- 7	do	2.0
1- 8	do	2.3	7-21	do	1.8
1-31	do	2.9	8-17	do	1.7
3- 7	do	2.0	9-26	do	2.1
4- 6	do	1.8			

CEDAR CREEK
 Sec. 11-18-48 W.

10- 6	A. E. Johnston	19.2	4- 4	A. E. Johnston	12.1
10-25	F. F. LeFever	13.4	4-13	A. W. Hall	11.8
11-11	do	13.4	4-26	A. E. Johnston	4.6
11-27	do	13.5	5-18	A. W. Hall	3.5
12-13	A. E. Johnston	16.8	5-24	do	2.4
12-16	F. F. LeFever	13.3	6- 2	F. F. LeFever	4.9
1-24	do	13.8	7-27	do	2.2
1-29	A. E. Johnston	15.5	8-10	A. E. Johnston	2.6
2- 6	F. F. LeFever	12.1	8-25	F. F. LeFever	3.4
3- 5	A. E. Johnston	15.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

CEDAR RIVER
Spalding

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
8-25	A. E. Johnston	126.4			

CEDAR RIVER
Fullerton—Sec. 11-16-6 W.

10- 2	M. C. Boyer	184.0	5-25	M. C. Boyer	128.0
11- 7	H. P. Eisenhuth	180.0	6-15	H. P. Eisenhuth	131.0
12- 2	do	610.0	7-23	M. C. Boyer	72.0
2- 9	S. C. Moore	204.0	8- 9	L. F. Hanks	100.0
3-23	F. F. LeFever	220.0	9-17	do	150.0
4-17	do	203.0			

CHADRON CREEK NO. 1
One-half Mile above City Reservoir—Sec. 19-32-48 W.

11- 3	A. E. Johnston	2.7	5-11	A. E. Johnston	2.0
1-16	do	2.0	7- 4	do	2.5
2-14	do	2.7	8- 3	do	1.2
3-20	do	2.3	9- 2	do	1.8
4-20	do	2.0			

CHADRON CREEK NO. 2
100 Feet below City Reservoir—Sec. 18-32-48 W.

11- 3	A. E. Johnston	0.8	5-11	A. E. Johnston	0.8
1-16	do	1.4	7- 4	do	2.2
2-14	do	.8	8- 3	do	.7
3-20	do	.7	9- 2	do	1.0
4-20	do	.4			

CHADRON CREEK NO. 3
Station 36 of Pipe Line—Sec. 12-32-49 W.

11- 3	A. E. Johnston	0.5	5-11	A. E. Johnston	0.2
1-16	do	1.1	7- 4	do	.1
2-14	do	.9	8- 3	do	.0
3-20	do	1.0	9- 2	do	.0
4-20	do	.3			

CHADRON CREEK NO. 4
Chadron-Crawford Highway—Sec. 22-32-49 W.

10- 2	A. E. Johnston	0.6	3-20	A. E. Johnston	2.5
11- 4	do	1.9	4-20	do	1.1
1-16	do	1.9	5-11	do	.2
2-14	do	3.6	7- 4	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

CHIMNEY ROCK CANAL WASTE NO. 1
 Sec. 14-20-52 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
5- 4	F. F. LeFever	1.5	5-21	F. F. LeFever	5.8
5-17	do	3.0	5-25	do	2.0
5-18	do	.5	6-11	do	.0

CHIMNEY ROCK CANAL WASTE NO. 2
 Sec. 18-20-51 W.

5- 4	F. F. LeFever	3.0	5-25	F. F. LeFever	0.0
5-17	do	3.0	6-11	do	3.0
5-18	do	.5			

CHIMNEY CREEK
 Sec. 24-33-23 W.

7-31	A. E. Johnston	0.1	8-31	A. E. Johnston	0.1
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CLEAR CREEK
 Sec. 5-15-41 W.

10- 7	A. E. Johnston	1.1	4-27	A. E. Johnston	4.7
10-25	do	8.5	5- 8	do	9.7
11-22	do	10.0	5-28	A. W. Hall	6.3
1- 9	do	12.8	6-20	F. F. LeFever	2.1
1-30	do	9.8	7-13	A. W. Hall	6.4
3- 6	do	5.0	8- 7	do	.0
4- 5	do	8.9	9-17	A. E. Johnston	9.5
4-13	do	1.1	9-27	do	9.8

CLEAR CREEK, UPPER
 Ashland—Sec. 35-13-9 E.

10-27	H. P. Eisenhuth	5.3	6-19	H. P. Eisenhuth	4.5
11-25	do	6.2	7-26	M. C. Boyer	.8
4- 7	F. F. LeFever	10.8	8-11	Hanks and Moore	2.0
5-25	M. C. Boyer	4.1	9-22	L. F. Hanks	2.3

CLEAR CREEK
 Litchfield—Sec. 26-14-16 W.

4-10	A. E. Johnston	5.0	7-10	A. E. Johnston	0.0
5- 3	do	2.9	8-21	do	.8

CLEAR CREEK
 Sec. 4-17-19 W.

7-20	A. W. Hall	0.0			
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

CLEAR CREEK
Sec. 11-17-19 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
7-20	A. W. Hall	0.0			

CLEAR CREEK
Sec. 20-17-18 W.

7-10	A. E. Johnston	0.0	7-20	A. W. Hall	0.0
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CLEAR CREEK
Sec. 28-17-18 W.

7-10	A. E. Johnston	0.1	7-20	A. W. Hall	0.6
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CLEAR CREEK
Sec. 26-14-16 W.

7-10	A. E. Johnston	0.0			
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CLEAR CREEK
Sec. 36-14-16 W.

4-10	A. E. Johnston	4.8	7-20	A. W. Hall	0.0
7-10	do	.0			

CLEVELAND DRAIN
Sec. 6-20-52 W.

10- 9	F. F. LeFever	2.1	5-25	F. F. LeFever	0.5
10-18	do	1.0	6- 7	do	9.9
2- 5	do	.5	7-17	do	2.9
3-23	A. W. Hall	1.3	8-23	do	6.5
4-11	do	1.0	9-10	do	4.6
5- 4	F. F. LeFever	11.7	9-20	do	8.8
5-17	do	1.5			

COLD WATER CREEK
Sec. 34-18-46 W.

10- 6	A. E. Johnston	0.3	5- 9	A. E. Johnston	6.4
1-10	do	3.4			

COTTONWOOD CREEK, BIG
Riverton—Sec. 36-2-16 W.

8-22	J. H. Baily	2.3			
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

COTTONWOOD CREEK, LITTLE
South of Whitney Pipe Line Outlet—Sec. 8-32-51 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 2	A. E. Johnston	0.1	4-21	A. E. Johnston	0.2
11- 4	do	.7	5-12	do	.1
1-16	do	1.2	7- 4	do	.0
2-14	do	2.1	8- 4	do	.0
3-20	do	1.5			

COTTONWOOD CREEK, LITTLE
Sec. 8-32-52 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 2	A. E. Johnston	0.0	4-21	A. E. Johnston	0.4
11- 4	do	.6	5-12	do	.1
2-14	do	1.4	7- 4	do	.0
3-20	do	.2			

COTTONWOOD CREEK, BIG
Dunlap—Sec. 27-29-48 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 4	A. E. Johnston	1.1	4-25	A. E. Johnston	0.7
11- 6	do	.6	5-11	do	.4
2-21	do	2.9	8- 7	do	.0
3-22	do	1.5	9- 3	do	.0

COTTONWOOD CREEK, BIG
Sec. 22-33-50 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 2	A. E. Johnston	1.0	5-12	A. E. Johnston	0.2
1-16	do	3.0	7- 4	do	.5
2-14	do	.2	8- 4	do	.0
3-20	do	.3	9- 2	do	.0
4-20	do	.1			

COZAD CANAL TAIL WASTE
Into Dawson County Canal—Sec. 6-10-22 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
6-23	A. E. Johnston	22.1	7-11	A. E. Johnston	0.0

CROOKED CREEK
Sec. 1-1-11 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
7- 31	A. E. Johnston	0.3

COYOTE SPRINGS
Sec. 16-27-54 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
8- 7	A. E. Johnson	0.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

CUB CREEK
 Sec. 33-33-22 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
7-31	A. E. Johnston	1.4			

DAWSON COUNTY DRAIN
 Darr—Sec. 25-10-23 W.

10-21	A. E. Johnston	4.1	3-9	A. E. Johnston	3.0
11-28	do	3.1	4-9	do	1.4
1-5	do	5.5	5-25	do	3.5
2-1	do	3.0			

DAWSON COUNTY WASTE
 Into Buffalo Creek—Sec. 1-10-22 W.

5-16	A. E. Johnston	0.1	7-11	A. E. Johnston	0.0
5-18	do	.0	9-25	do	5.3
5-22	do	.0	9-30	do	9.1
5-23	do	.0			

DAWSON COUNTY WASTE
 Into French Creek—Sec. 1-10-22 W.

5-22	A. E. Johnston	0.5			
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DEADHORSE CREEK
 Sec. 32-33-49 W.

10-2	A. E. Johnston	1.1	4-20	A. E. Johnston	0.1
11-4	do	.7	5-12	do	.2
2-14	do	2.3	7-4	do	.0
3-20	do	1.8	8-4	do	.0

DEER CREEK
 Holbrook—Sec. 21-4-24 W.

8-21	J. H. Baily	0.0			
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DEGRAW DRAIN
 Sec. 24-20-51 W.

10-12	F. F. LeFever	10.1	5-4	F. F. LeFever	2.9
1-10	do	5.3	5-17	do	1.9
1-27	A. E. Johnston	5.8	7-26	do	.7
3-24	do	3.9	8-23	do	1.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

DISMAL RIVER
Dunning—Sec. 4-21-24 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 4	M. C. Boyer	349.0	5-22	M. C. Boyer	325.0
11- 4	H. P. Eisenhuth	326.0	6-12	H. P. Eisenhuth	314.0
11-30	do	323.0	7- 9	A. E. Johnston	283.3
2- 6	A. E. Johnston	337.0	7-19	M. C. Boyer	317.0
3-14	do	338.0	8- 8	L. F. Hanks	298.0
4-20	F. F. LeFever	322.0	9-30	do	318.0

DRY CREEK
Merriman—Sec. 20-34-37 W.

10-19	A. E. Johnston	0.0	4-17	A. E. Johnston	4.4
10-31	do	1.4	7- 6	do	.0
1-12	do	5.6	8- 2	do	.0
2-15	do	7.0	9- 1	do	.0
3-17	do	7.3			

DUGOUT CREEK, UPPER
Sec. 21-20-50 W.

10-12	F. F. LeFever	10.8	3-24	A. E. Johnston	1.9
10-21	do	12.4	5- 4	F. F. LeFever	1.4
11- 3	do	8.8	5-17	do	.8
1-10	do	4.7	6-16	do	4.4
1-24	do	3.5	7-26	do	1.3
1-27	A. E. Johnston	3.2	8-13	do	2.3
2- 5	F. F. LeFever	2.8	8-23	do	1.5
3- 3	A. E. Johnston	3.2			

EAGLES NEST
Sec. 17-34-19 W.

7-31	A. E. Johnston	0.1	7-31	A. E. Johnston	0.4
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ELKHORN RIVER
Neligh—Sec. 20-25-6 W.

11- 2	H. P. Eisenhuth	110.0	6-15	H. P. Eisenhuth	124.0
11-28	do	133.0	7-23	M. C. Boyer	22.4
2- 9	S. C. Moore	137.0	8-13	L. F. Hanks	30.6
3-23	F. F. LeFever	189.0	8-29	A. E. Johnston	26.2
4-22	do	144.0	9-17	L. F. Hanks	59.0
5-21	H. P. Eisenhuth	96.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

ELKHORN RIVER
O'Neill—Sec. 31-29-11 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11- 2	H. P. Eisenhuth	21.4	6-17	H. P. Eisenhuth	26.1
11-28	do	29.6	7-20	M. C. Boyer	8.8
4-21	F. F. LeFever	34.3	8- 7	L. F. Hanks	5.0
5-21	H. P. Eisenhuth	22.9	9-17	do	12.6

ELKHORN RIVER
Waterloo—Sec. 3-15-10 E.

11- 1	H. P. Eisenhuth	379.0	5-26	M. C. Boyer	268.0
11-27	do	423.0	6-18	H. P. Eisenhuth	586.0
2- 3	S. C. Moore	616.0	7-26	M. C. Boyer	177.0
3-24	F. F. LeFever	553.0	8-10	L. F. Hanks	124.0
4-23	do	459.0	9-26	do	268.0

ELM CREEK
Elm Creek—Sec. 33-9-18 W.

10-12	A. E. Johnston	0.7	5-16	A. E. Johnston	0.0
10-20	do	5.5	5-25	do	.0
1- 5	do	.0	6-22	do	27.5
2- 2	do	.0	6-23	do	13.4
3-10	do	.0	6-29	do	7.3
4-11	do	.0	6-30	do	5.1
5- 2	do	.0	7-11	do	.3
5- 4	do	.0			

ELK CREEK
Sec. 6-31-19 W.

3-15	A. E. Johnston	1.5	7-30	A. E. Johnston	1.0
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ENTERPRISE CANAL WASTE
Into Winters Creek—Sec. 17-22-54 W.

8- 8	F. F. LeFever	11.9			
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EUREKA CREEK
Sec. 1-1-17 W.

10-20	A. E. Johnston	0.0			
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FAIRFIELD SEEP
Sec. 18-21-53 W.

10- 5	F. F. LeFever	1.0	6-11	F. F. LeFever	0.4
4-11	A. W. Hall	.3	8-22	do	.3
5-17	F. F. LeFever	1.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

FANNING SEEP
One-half Mile North Mitchell Bridge—Sec. 28-23-56 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 4	F. F. LeFever	6.3	5- 2	F. F. LeFever	3.5
11-23	do	6.3	6- 9	do	2.4
1-19	do	4.2	7-25	do	3.2
3-21	A. W. Hall	2.7	8-21	do	2.5
4-10	do	1.7	9-18	do	2.7

FARMERS CREEK
Sec. 5-1-12 W.

8-22	J. H. Baily	0.0
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FLAG CREEK
Orleans—Sec. 19-2-19 W.

8-21	J. H. Baily	0.3
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FOX CREEK
Sec. 21-8-28 W.

8-21	A. W. Hall	2.0
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FREMONT SLOUGH
North Platte—Sec. 16-13-30 W.

10-10	A. E. Johnston	0.8	3- 8	A. E. Johnston	1.9
10-23	do	.6	4-30	do	.7

FRENCH CREEK
Sec. 1-10-22 W.

5-16	A. E. Johnston	0.5	7-14	A. E. Johnston	6.3
5-18	do	.8	7-15	do	4.1
5-23	do	.3	7-18	do	.0
6-23	do	.6	9-25	do	19.2
7-11	do	9.5	9-30	do	.5

FRENCHMAN RIVER
Above Maranville Reservoir—Sec. 10-6-41 W.

11- 8	A. E. Johnston	4.0	4-26	A. W. Hall	3.2
12- 4	do	6.7	5-11	do	3.9
1-22	do	5.6	6-20	do	8.1
2-26	do	5.3	7-26	do	4.3
3-29	do	5.5	8-24	do	3.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

FRENCHMAN RIVER

Below Maranville Reservoir—Sec. 11-6-41 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11- 8	A. E. Johnston	7.1	4-26	A. W. Hall	5.2
12- 4	do	9.2	5-11	do	3.8
1-22	do	5.4	6-20	do	16.9
2-26	do	7.5	7-26	do	.7
3-29	do	4.4	8-24	do	2.5

FRENCHMAN RIVER

Below Inman Canal—Sec. 17-6-40 W.

11- 8	A. E. Johnston	31.6	2-26	A. E. Johnston	28.3
12- 4	do	28.3	3-29	do	23.8
1-22	do	25.0			

FRENCHMAN RIVER

Above Champion Lake—Sec. 22-6-40 W.

4-26	A. W. Hall	22.2	6-20	A. W. Hall	33.5
5-11	do	12.6	7-26	do	18.1

FRENCHMAN RIVER

Below Champion Canal Diversion Dam—Sec. 23-6-40 W.

11- 8	A. E. Johnston	16.9	2-26	A. E. Johnston	29.6
12- 4	do	14.2	3-29	do	13.7
1-22	do	19.2			

FRENCHMAN RIVER

Champion—Sec. 19-6-39 W.

10-16	A. W. Hall	27.8	4-24	A. W. Hall	12.9
11- 8	A. E. Johnston	28.3	5-12	do	13.9
12- 4	do	24.2	6-20	do	60.0
1-22	do	30.6	7-26	do	15.4
2-26	do	37.8	8-24	do	18.5
3-29	do	21.1			

FRENCHMAN RIVER

Below Champion Mill—Sec. 21-6-39 W.

11- 8	A. E. Johnston	63.4	2-26	A. E. Johnston	49.9
12- 4	do	74.3	3-29	do	57.6
1-22	do	45.7			

FRENCHMAN RIVER

Harvey Dam Site—Sec. 3-5-38 W.

4-24	A. W. Hall	58.0	6-14	A. W. Hall	80.1
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

FRENCHMAN RIVER
 Sec. 5-5-37 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
7-28	A. W. Hall	50.8			

FRENCHMAN RIVER
 Hamlet, U. S. G. S. Station—Sec. 17-5-34 W.

10-17	Hall and Follansbee	92.4	4-24	A. W. Hall	89.3
11- 9	A. E. Johnston	103.3	5-14	do	84.1
12- 4	do	121.6	6-21	do	200.0
1-22	do	122.3	7-25	do	54.9
2-26	do	103.9	8-24	do	64.4
3-30	do	130.5			

FRENCHMAN RIVER
 Palisade—Sec. 32-5-33 W.

5-12	A. W. Hall	14.5	7-25	A. W. Hall	4.4
6-21	do	223.0	8-24	do	5.3

FRENCHMAN RIVER
 Culbertson—Sec. 16-3-31 W.

10-17	A. W. Hall	135.0	4-25	A. W. Hall	116.0
11- 9	A. E. Johnston	72.8	5-13	do	30.0
12- 4	do	200.4	6-21	do	357.0
1-23	do	196.3	7-23	do	30.2
2-27	do	155.3	8-23	do	30.2
3-30	do	158.4			

GEBAUER DRAIN
 Sec. 28-20-50 W.

1-27	A. E. Johnston	0.3	3-24	A. E. Johnston	0.1
3- 3	do	1.0			

GERING WASTE
 Henry—Sec. 3-23-58 W.

6-14	F. F. LeFever	67.6	7-24	F. F. LeFever	65.7
6-22	do	15.0	8- 6	do	52.6
7- 3	do	12.7	8-21	do	9.4
7-13	do	12.8	9- 7	A. W. Hall	7.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

GERING DRAIN
 Sec. 6-21-54 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 5	F. F. LeFever	47.8	6- 7	F. F. LeFever	27.7
10-18	do	43.8	6- 9	do	22.7
11- 3	do	38.5	6-23	do	20.6
12-15	do	35.2	7- 4	do	19.5
1-20	do	28.6	7-14	do	20.6
2- 3	do	29.8	7-23	do	16.4
2-20	do	29.1	8- 8	do	12.5
3-20	A. W. Hall	25.4	8-22	do	6.5
4-10	do	26.7	9- 7	do	16.1
5- 2	F. F. LeFever	23.1	9-19	do	10.8
5-16	do	23.8			

GOOSE CREEK
 Sec. 4-24-24 W.

8-24 A. E. Johnston 14.4

GOOSE CREEK
 Sec. 2-25-25 W.

8-24 A. E. Johnston 4.3

GOOSE CREEK
 Sec. 26-26-25 W.

8-24 A. E. Johnston 3.6

GORDON CREEK
 At Valentine—Sec. 30-33-28 W.

11- 1	A. E. Johnston	8.8	7- 7	A. E. Johnston	5.3
1-13	do	12.0	7- 8	do	3.1
2-16	do	9.7	8- 1	do	5.8
3-16	do	7.4	9- 1	do	9.5
4-18	do	8.9	9-28	do	9.5

GORDON CREEK
 Lee Canal—Sec. 6-29-33 W.

9-28 A. E. Johnston 9.6 7- 8 A. E. Johnston 3.1

**DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934**

**GOTHENBURG POWER WASTE
Gothenburg—Sec. 9-11-25 W.**

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-11	A. E. Johnston	149.6	5-18	A. E. Johnston	192.0
10-21	do	153.0	5-22	do	96.3
11-28	do	182.0	5-23	do	109.0
12-15	do	10.0	5-25	do	108.3
1- 6	do	191.0	6-11	do	8.2
2- 1	do	70.1	6-18	do	171.7
3- 9	do	181.9	7-11	A. W. Hall	95.3
4- 9	do	156.3	7-15	A. E. Johnston	31.1
4-12	do	80.6	7-18	do	9.1
5- 1	do	147.5	8-20	do	69.2
5- 5	do	171.7	9-14	do	191.2
5-15	do	146.3			

**GOVERNMENT SPRING
Below Ft. Robinson Pumping Plant—4-Ft. Weir**

10- 4	A. E. Johnston	0.8	4-23	A. E. Johnston	0.8
11- 6	do	2.8	5-13	do	.8
1-16	do	.8	7- 4	do	.8
2-12	do	.8	8- 4	do	.4
3-21	do	.4			

**GRAVEL CREEK
Sec. 9-14-36 W.**

10- 9	A. E. Johnston	3.8	4- 6	A. E. Johnston	3.5
10-24	do	3.7	4-28	do	3.0
11-23	do	3.5	6-16	do	3.5
1- 8	do	5.2	7-24	do	5.0
1-31	do	4.6	8-13	do	4.1
3- 6	do	2.7	9-15	do	4.1

**GREENWOOD CREEK
Sec. 26-19-50 W.**

10-18	F. F. LeFever	5.0	5- 1	A. W. Hall	2.1
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**GREENWOOD CREEK
Above Trinnier Canal—Sec. 28-18-50 W.**

8- 3	A. W. Hall	8.7			
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**GREENWOOD CREEK
Below Meglemre Canal—Sec. 3-18-50 W.**

10-27	A. E. Johnston	8.8			
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

GREENWOOD CREEK
 Passing Nelson Canal—Sec. 33-18-50 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
8- 3	A. W. Hall	3.4			

HAT CREEK
 Montrose—Sec. 18-34-54 W.

4-24	A. E. Johnston	0.0			
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HAT CREEK
 Above Coffee Canal—Sec. 35-33-55 W.

4-24	A. E. Johnston	2.8	8- 6	A. E. Johnston	0.1
7- 3	do	.7			

HAT CREEK
 Ardmore, South Dakota—Sec. 32-11-54 W.

4-24	A. E. Johnston	0.4			
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HAT CREEK
 Secs. 3 and 10-32-55 W.

7- 3	A. E. Johnston	1.3	8- 6	A. E. Johnston	0.0
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HORSE CREEK
 Lyman—Sec. 25-23-58 W.

10- 4	F. F. LeFever	194.0	5- 1	F. F. LeFever	10.1
10-18	do	50.6	5-15	do	7.6
11- 2	do	34.6	5-22	do	6.2
11-23	do	25.2	6- 8	do	21.4
12-14	do	25.9	6-22	do	17.3
12-30	do	23.2	7- 3	do	11.8
1-19	do	23.3	7-13	do	13.2
2- 2	do	22.3	8-21	do	9.7
2-20	do	17.9	9- 6	do	10.7
3-21	A. W. Hall	16.4	9-18	do	10.5
4-10	do	15.4			

HORSE CREEK
 Pringle's Ranch—Sec. 23-1-39 W.

11-11	A. E. Johnston	2.4	3- 1	A. E. Johnston	1.7
12- 6	do	2.4	4- 2	do	1.5
1-25	do	2.0	5-15	A. W. Hall	1.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

INDIAN CREEK
Max—Sec. 23-2-36 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
4-25	A. W. Hall	1.2	5-14	A. W. Hall	1.0

INDIAN CREEK
Northport Wye—Sec. 19-20-50 W.

10-12	F. F. LeFever	13.1	3-24	A. E. Johnston	5.2
10-21	do	12.3	4-12	A. W. Hall	4.2
11- 3	do	10.9	5- 4	F. F. LeFever	4.2
1-10	do	7.0	5-17	do	3.4
1-24	do	6.1	5-25	do	2.7
1-27	A. E. Johnston	8.0	6-16	do	4.7
2- 5	F. F. LeFever	7.0	7-26	do	2.6
3- 3	A. E. Johnston	5.8	8-13	do	4.4
3-23	A. W. Hall	5.0	8-23	do	2.1

INDIAN CREEK
Sec. 33-2-11 W.

8-22	J. H. Baily	0.0
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JIM CREEK
Below Caladonia Dam

7- 3	A. E. Johnston	0.2
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JIM CREEK
Sec. 13-33-57 W.

2-13	A. E. Johnston	0.4	8- 6	A. E. Johnston	0.3
4-24	do	.2			

JIM CREEK
Above High Line Canal

2-13	A. E. Johnston	0.4	7- 3	A. E. Johnston	0.3
3-21	do	.5	8- 6	do	.5
4-24	do	.7			

JIM CREEK
Below Dout Reservoir No. 2

2-13	A. E. Johnston	0.1	3-21	A. E. Johnston	0.1
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

KEITH-LINCOLN COUNTY DRAIN
Sarben—Sec. 23-14-35 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-24	A. E. Johnston	1.1	3-7	A. E. Johnston	1.7
11-23	do	1.5	6-7	do	.9
1-31	do	1.5	7-12	A. W. Hall	1.0

LAKES, SAND HILL—See page 527

LANE DRAIN
Sec. 30-23-57 W.

10-4	F. F. LeFever	4.9	5-1	F. F. LeFever	1.0
11-23	do	3.2	6-8	do	2.5
1-19	do	1.6	8-21	do	1.5
3-21	A. W. Hall	.6	9-18	do	2.0
4-10	do	.3			

LARABEE CREEK
Sec. 6-34-44 W.

10-30	A. E. Johnston	2.5	4-20	A. E. Johnston	4.8
2-15	do	3.0	7-5	do	1.7
3-19	do	3.2	8-3	do	2.2

LEANDER CREEK
Sec. 33-34-37 W.

10-31	A. E. Johnston	0.0	4-17	A. E. Johnston	0.1
2-15	do	.0	7-6	do	.0
3-17	do	1.2	8-2	do	.0

LEWELLEN DRAIN
Lewellen—Sec. 28-16-42 W.

10-7	A. E. Johnston	1.5	11-22	A. E. Johnston	2.7
10-25	do	1.7			

LINCOLN COUNTY DRAIN NO. 1
North Platte—Sec. 30-14-30 W.

10-10	A. E. Johnston	70.6	5-7	A. E. Johnston	74.3
10-23	do	72.2	5-24	do	62.7
11-23	do	59.0	6-4	do	58.3
12-14	do	59.3	6-14	do	65.0
1-8	do	62.7	7-12	A. W. Hall	63.4
1-31	do	47.6	7-13	A. E. Johnston	70.6
3-7	do	42.1	7-23	do	53.9
4-6	do	38.2	8-7	A. W. Hall	53.4
4-30	do	51.8	8-18	A. E. Johnston	66.9
5-7	do	74.0	9-26	do	55.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

LINCOLN COUNTY DRAIN NO. 2
Sec. 12-14-33 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-24	A. E. Johnston	5.3	6- 4	A. E. Johnston	3.2
1-31	do	3.3	6- 7	do	3.1
3- 7	do	3.5	6-21	do	3.9
4- 6	do	3.8	7-13	do	4.0
4-30	do	2.9	7-23	do	4.3
5-24	do	3.6	8-16	do	1.8

LOGDEPOLE CREEK

Wyoming-Nebraska Line—Sec. 11-14-59 W.

11-14	A. E. Johnston	9.3	3-26	A. E. Johnston	8.4
12- 1	do	9.1	4-18	A. W. Hall	6.8
1-19	do	11.0	5- 9	do	4.7
2-23	do	8.8	7-28	Hall and Hanna	2.4

LOGDEPOLE CREEK

Below Independent Canal—Sec. 7-14-58 W.

6- 9	A. W. Hall	0.5
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LOGDEPOLE CREEK

Below Premier Canal—Sec. 3-14-58 W.

6- 9	A. W. Hall	0.2
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LOGDEPOLE CREEK

Above Oliver Reservoir—Bushnell—Sec. 33-15-57 W.

11-14	A. E. Johnston	19.5	4-18	A. W. Hall	14.5
12- 1	do	19.3	5- 9	do	12.9
1-19	do	16.2	7-27	Hall and Hanna	6.8
2-23	do	17.2	8- 5	do	7.0
3-26	do	13.6			

LOGDEPOLE CREEK

Below Kimball Reservoir—Sec. 36-15-57 W.

11-14	A. E. Johnston	2.5	4-20	A. W. Hall	0.8
12- 1	do	3.9	7-27	do	2.5
1-19	do	4.1	8- 5	do	3.1
2-23	do	4.0	8- 5	Hall and Hanna	6.1
3-26	do	4.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

LODGEPOLE CREEK
Kimball—Sec. 29-15-55 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11-14	A. E. Johnston	11.3	3-26	A. E. Johnston	12.0
12- 1	do	10.9	4-20	A. W. Hall	5.8
1-18	do	13.8	5- 9	do	.0
2-22	do	11.7			

LODGEPOLE CREEK
Above Bennett Reservoir—Sec. 28-15-55 W.

5- 9	A. W. Hall	5.4	6- 7	A. W. Hall	0.5
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LODGEPOLE CREEK
Dix—Sec. 26-15-54 W.

11-13	A. E. Johnston	5.2	2-23	A. E. Johnston	10.7
12- 1	do	10.8	3-27	do	3.1
1-19	do	1.6	5- 9	A. W. Hall	.0

LODGEPOLE CREEK
Sidney—Sec. 31-14-49 W.

11-13	A. E. Johnston	4.5	2-23	A. E. Johnston	4.5
12- 2	do	3.3	3-27	do	4.4
1-19	do	5.0	5-10	A. W. Hall	4.8

LODGEPOLE CREEK
Above Kreuger Canal—Sec. 31-14-48 W.

5-10	A. W. Hall	8.9	6-19	A. W. Hall	8.3
6-14	do	3.9			

LODGEPOLE CREEK
Brownson—Sec. 13-14-51 W.

7-10	A. W. Hall	0.0			
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LODGEPOLE CREEK
Below Hoover Dam—Sec. 7-14-58 W.

6- 9	A. W. Hall	2.8			
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LODGEPOLE CREEK
Below Smeed Dam—Sec. 8-14-58 W.

5- 9	A. W. Hall	2.4			
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

LODGEPOLE CREEK

Below Kreuger's Lake—Sec. 29-14-48 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11-13	A. E. Johnston	13.4	3-7	A. E. Johnston	2.5
12-2	do	22.7	5-10	A. W. Hall	.5
1-20	do	8.6	6-19	do	.8
2-23	do	3.9			

LODGEPOLE CREEK

Rock Pile—NE Corner of Sec. 33-14-48 W.

11-13	A. E. Johnston	10.5	2-23	A. E. Johnston	6.0
1-20	do	13.8	3-27	do	4.4

LODGEPOLE CREEK

Above LaGrange Dam—Sec. 27-14-48 W.

11-13	A. E. Johnston	10.8	4-27	A. W. Hall	1.9
1-20	do	14.0	5-10	do	5.1
2-23	do	6.2	7-28	do	.0
3-27	do	4.1	8-25	do	5.1

LODGEPOLE CREEK

Below LaGrange Dam—Sec. 27-14-48 W.

11-13	A. E. Johnston	13.3	4-27	A. W. Hall	1.2
12-2	do	19.7	6-19	do	1.7
1-20	do	7.0	7-28	do	.0
2-23	do	6.7	8-25	do	5.5
3-27	do	2.7			

LODGEPOLE CREEK

Below Bluhm Dam—Sec. 25-14-48 W.

1-20	A. E. Johnston	7.9	5-16	A. W. Hall	1.2
2-23	do	4.8	6-14	do	.3
4-27	A. W. Hall	1.0	6-19	do	.3
5-10	do	1.2	8-25	do	1.2

LODGEPOLE CREEK

Below McLaughlin Dam—Sec. 25-14-48 W.

1-20	A. E. Johnston	7.1	6-11	A. W. Hall	0.0
2-23	do	4.8	6-14	do	.0
4-27	A. W. Hall	.0	6-19	do	.5
5-10	do	.2	7-26	do	.0
5-16	do	.6	8-25	do	1.1

LODGEPOLE CREEK

Above Dickenson Canal—Sec. 26-14-47 W.

8-25	A. W. Hall	2.1			
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

LODGEPOLE CREEK
 Lodgepole—Sec. 30-14-46 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11-13	A. E. Johnston	7.6	5-10	A. W. Hall	5.1
12- 2	do	20.5	5-16	do	1.3
1-20	do	20.3	6-19	do	11.5
2-24	do	5.1	6-24	do	4.4
3-28	do	9.2	7-26	do	.5
4-27	A. W. Hall	1.2	8-25	do	.0

LODGEPOLE CREEK
 Passing Wolfe Canal—Sec. 18-13-45 W.

8-16	A. W. Hall	0.8
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LODGEPOLE CREEK
 Chappell—Sec. 21-13-45 W.

11-13	A. E. Johnston	12.8	4-27	A. W. Hall	1.9
12- 2	do	21.0	5-10	do	4.4
1-20	do	24.1	5-16	do	2.2
2-24	do	4.3	7-26	do	1.9
3-28	do	16.3	8-25	do	.1

LODGEPOLE CREEK
 Above Nasland Dam—Sec. 1-12-45 W.

8-16	A. W. Hall	0.3
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LODGEPOLE CREEK
 Interstate Station, Ralton—Section 12-12-45 W.

11-13	A. E. Johnston	20.4	5-10	A. W. Hall	1.4
12- 2	do	21.0	5-16	do	3.3
1-20	do	23.5	6-24	do	15.6
2-24	do	9.0	7-26	do	3.2
3-28	do	19.1	8-25	do	.1
4-27	A. W. Hall	7.5			

LONERGAN CREEK
 Lemoyne—Sec. 19-15-39 W.

10- 7	A. E. Johnston	7.8	5- 8	A. E. Johnston	7.2
10-25	do	6.6	5-28	A. W. Hall	1.6
11-22	do	11.5	7-13	do	5.7
1- 9	do	6.3	7-20	F. F. LeFever	.2
1-30	do	6.0	8- 7	A. W. Hall	.0
3- 6	do	5.1	8-11	A. E. Johnston	.0
4- 5	do	6.3	8-24	F. F. LeFever	4.1
4-27	do	2.5	9-17	A. E. Johnston	4.7
4-30	A. W. Hall	2.9	9-27	do	5.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

LOST CREEK (OSHKOSH DRAIN)
 Sec. 1-16-44 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 7	A. E. Johnston	3.2	4-27	A. E. Johnston	1.5
10-26	do	2.1	5- 8	do	2.9
1- 9	do	9.8	8-11	do	.0
1-30	do	4.1	8-25	F. F. LeFever	.2
3- 6	do	3.2	9-28	A. E. Johnston	3.4
4- 5	do	3.9			

LOST CREEK
 Schuyler—Sec. 29-17-3 E.

8-28	A. E. Johnston	1.5
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LOUP RIVER
 Columbus—Sec. 29-17-1 E.

11-8	H. P. Eisenhuth	2440.0	7-25	Ruzicka and Boyer	835.0
11-12	do	2350.0	7-31	J. V. Ruzicka	1210.0
11-22	do	2080.0	8- 7	do	1140.0
1-13	do	1960.0	8-10	L. F. Hanks	870.0
2- 8	S. C. Moore	2820.0	8-14	J. V. Ruzicka	8770.0
3- 9	H. P. Eisenhuth	2490.0	8-21	do	1760.0
3-16	F. F. LeFever	2390.0	8-28	do	1460.0
4-16	do	2320.0	9- 4	do	4470.0
5-23	H. P. Eisenhuth	1460.0	9-11	do	1520.0
6-14	Eisenhuth and Baily	1400.0	9-18	do	1680.0
7- 4	J. V. Ruzicka	1620.0	9-21	L. F. Hanks	1610.0
7-11	do	1370.0	9-25	J. V. Ruzicka	3400.0
7-18	do	1080.0	10- 2	do	1710.0

LOUP RIVER, SOUTH
 Logan—Sec. 35-18-26 W.

8-19	A. E. Johnston	7.5
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LOUP RIVER, SOUTH
 Pleasanton—Sec. 36-12-15 W.

10-19	A. E. Johnston	146.0	4-10	A. E. Johnston	212.0
11-27	do	159.0	5- 3	do	155.0
1- 4	do	117.0	8-21	do	95.3

LOUP RIVER, SOUTH
 Sec. 5-12-13 W.

8-22	A. E. Johnston	69.1
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

LOUP RIVER, MIDDLE
Sargent—Sec. 1-19-20 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 4	M. C. Boyer	888.0	6-11	H. P. Eisenhuth	703.0
11- 4	H. P. Eisenhuth	883.0	7-19	M. C. Boyer	647.0
11-30	do	830.0	8- 8	L. F. Hanks	707.0
3-21	F. F. LeFever	892.0	8-23	A. E. Johnston	996.0
4-21	do	791.0	9-30	L. F. Hanks	816.0
5-23	M. C. Boyer	788.0			

LOUP RIVER, MIDDLE
Dunning—Sec. 14-15-10 W.

2- 6	A. E. Johnston	487.0	7- 9	A. E. Johnston	399.0
3- 4	do	446.0			

LOUP RIVER, MIDDLE
St. Paul—Sec. 10-14-10 W.

11- 5	H. P. Eisenhuth	982.0	5-22	H. P. Eisenhuth	780.0
12- 2	do	1900.0	6- 6	do	706.0
2-10	S. C. Moore	1170.0	7-24	M. C. Boyer	426.0
3-21	F. F. LeFever	1020.0	8-25	J. H. Baily	866.0
4-19	do	1210.0	9-29	L. F. Hanks	877.0

LOUP RIVER, MIDDLE
Loup City

8-22	A. E. Johnston	750.0			
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LOUP RIVER, MIDDLE
Boelus

10-13	A. E. Johnston	302.0	11-27	A. E. Johnston	298.0
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LOUP RIVER, NORTH
Taylor—Sec. 22-21-18 W.

10- 4	M. C. Boyer	457.0	6-11	H. P. Eisenhuth	341.0
11- 4	H. P. Eisenhuth	518.0	7-19	M. C. Boyer	337.0
11-30	do	490.0	8- 8	L. F. Hanks	296.0
3-21	F. F. LeFever	485.0	8-23	A. E. Johnston	384.0
4-21	do	438.0	9-29	do	396.0
5-23	M. C. Boyer	375.0			

LOUP RIVER, NORTH
St. Paul—Sec. 14-15-10 W.

11- 5	H. P. Eisenhuth	962.0	5-22	H. P. Eisenhuth	656.0
12- 1	do	902.0	6- 5	do	584.0
2-10	S. C. Moore	970.0	7-23	M. C. Boyer	384.0
3-14	F. F. LeFever	848.0	8-24	J. H. Baily	712.0
4-17	do	780.0	9-29	L. F. Hanks	758.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

McQUIRES SLOUGH
 Sec. 21-6-40 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
11- 8	A. E. Johnston	4.0	2-26	A. E. Johnston	3.7
12- 4	do	4.1	3-29	do	3.6
1-22	do	3.2			

MEDICINE CREEK
 Sec. 20-6-26 W.

7-23	A. W. Hall	6.3	8-21	A. W. Hall	26.5
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MEDICINE CREEK
 Cambridge—Sec. 18-4-25 W.

8-21	J. H. Baily	5.9			
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MEDICINE CREEK
 Sec. 1-4-26 W.

8-21	A. W. Hall	6.4			
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MELBETA DRAIN
 One-half Mile West Melbeta Bridge—Sec. 24-21-54 W.

10- 5	F. F. LeFever	6.1	4-11	A. W. Hall	2.5
11-24	do	3.7	5-16	F. F. LeFever	.0
1-20	do	3.7	9-19	do	.0
3-22	A. W. Hall	2.8			

MINNECHUDUZA CREEK
 Valentine—Sec. 23-34-29 W.

11- 2	A. E. Johnston	17.1	4-19	A. E. Johnston	20.0
1-15	do	28.4	7- 7	do	5.2
2-17	do	26.2	8- 1	do	5.8
3-16	do	26.8	9- 1	do	16.5

MITCHELL FACTORY WASTE
 Mitchell—Sec. 27-23-56 W.

10-20	F. F. LeFever	8.0			
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MITCHELL SPILLWAY
 Tri-State Canal—Sec. 35-23-56 W.

10- 5	F. F. LeFever	35.4	2- 3	F. F. LeFever	11.5
10-20	do	.5	3-21	A. W. Hall	3.6
11-23	do	23.7	4-10	do	.6
12-15	do	17.5	5- 2	F. F. LeFever	.3
1-20	do	11.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

MOFFAT DRAIN

Above Tri-State Canal—Sec. 27-22-53 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
7-12	F. F. LeFever	0.8	8-20	F. F. LeFever	2.1

MONROE CREEK

Above Monroe Canal—Sec. 33-33-56 W.

4-24	A. E. Johnston	1.9
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MONROE CREEK

Below Big Monroe Canal—Sec. 33-33-56 W.

2-13	A. E. Johnston	2.5	7- 3	A. E. Johnston	0.8
3-21	do	2.2	8- 6	do	.3

MONROE CREEK

Above Jordan Reservoir—Sec. 14-33-56 W.

7- 3	Johnston and Rasmussen	0.7	8- 6	A. E. Johnston	0.0
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MONROE CREEK

Below Jordan Reservoir

7- 3	Johnston and Rasmussen	0.1
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MORRILL DRAIN

Morrill—Sec. 13-23-57 W.

3-21	A. W. Hall	0.0	5- 1	F. F. LeFever	0.0
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MUDDY CREEK

Sec. 13-14-17 W.

8-21	A. E. Johnston	8.2
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MUDDY CREEK

Litchfield—Sec. 19-14-16 W.

7-19	A. W. Hall	4.6	8-21	A. E. Johnston	7.5
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MUDDY CREEK

Hazard—Sec. 29-13-15 W.

10- 3	M. C. Boyer	14.2	6- 2	H. P. Eisenhuth	9.8
11- 4	H. P. Eisenhuth	18.4	7-24	M. C. Boyer	5.7
11-30	do	19.0	8- 9	L. F. Hanks	4.8
4-20	F. F. LeFever	26.6	9-30	do	11.1
5-23	M. C. Boyer	13.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

MUDDY CREEK
Arapahoe—Sec. 16-4-23 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
8-21	J. H. Baily	0.4			

NINE MILE DRAIN
Minatare—Sec. 25-21-53 W.

10- 9	F. F. LeFever	196.0	5-23	F. F. LeFever	47.6
11- 1	do	161.4	6- 1	do	92.6
11-24	do	150.3	6-11	do	91.5
12-15	do	131.3	6-26	do	102.2
1- 9	do	108.6	7-10	do	82.9
1-20	do	112.2	7-17	do	86.1
2- 5	do	109.2	7-26	do	44.4
3-22	A. W. Hall	88.7	8- 8	do	86.5
4-11	do	67.6	8-23	do	80.1
5- 4	F. F. LeFever	82.5	9-10	do	110.8
5-17	do	77.3	9-20	do	87.7

NIOBRARA RIVER
Wyoming State Line—Sec. 20-31-58 W.

10- 3	A. E. Johnston	5.9	4-23	A. E. Johnston	5.8
2-13	do	9.1	8- 6	do	2.9
3-21	do	7.4			

NIOBRARA RIVER
South of Harrison—Sec. 9-29-56 W.

10- 3	A. E. Johnston	10.9	4-23	A. E. Johnston	12.9
2-13	do	18.6	8- 6	do	4.5
3-21	do	16.0			

NIOBRARA RIVER
Agate—Sec. 7-28-55 W.

10- 4	A. E. Johnston	33.2	4-25	A. E. Johnston	20.0
3-22	do	27.1	8- 7	do	8.5

NIOBRARA RIVER
Below Mouth of Whistle Creek—Sec. 7-28-53 W.

10- 4	A. E. Johnston	20.2	4-26	A. E. Johnston	13.8
3-22	do	29.2	8- 7	do	4.5

NIOBRARA RIVER
South of Marsland—Sec. 5-28-51 W.

10- 4	A. E. Johnston	28.3	3-22	A. E. Johnston	48.0
1-17	do	41.0	4-25	do	16.2
2-12	do	55.0	5-13	do	9.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

NIOBRARA RIVER
East of Marsland

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
5-13	A. E. Johnston	9.4	8-7	A. E. Johnston	8.6
7-2	do	4.7	9-3	do	6.2

NIOBRARA RIVER
Dunlap—Sec. 27-29-48 W.

10-4	A. E. Johnston	40.4	5-11	A. E. Johnston	3.4
11-6	do	27.2	7-2	do	3.5
1-17	do	70.2	8-7	do	14.0
2-21	do	67.9	8-31	F. F. LeFever	21.8
3-22	do	71.0	9-3	A. E. Johnston	26.8
4-25	do	35.4			

NIOBRARA RIVER
South of Gordon—Sec. 15-31-41 W.

10-31	A. E. Johnston	145.0	4-17	A. E. Johnston	167.4
1-12	do	232.0	7-6	A. W. Hall	78.5
2-15	do	272.7	8-2	A. E. Johnston	78.1
3-17	do	174.7	9-1	do	106.2

NIOBRARA RIVER
Valentine—Sec. 30-33-28 W.

11-1	A. E. Johnston	840.0	4-18	A. E. Johnston	835.5
1-13	do	906.7	7-7	do	57.6
2-16	do	993.1	8-1	do	632.8
3-16	do	963.4	9-1	do	777.5

NIOBRARA RIVER
Below Dam at Valentine—Sec. 28-34-27 W.

11-2	A. E. Johnston	841.0	4-19	A. E. Johnston	903.7
1-15	do	975.4	7-7	do	66.9
2-17	do	1102.6	8-1	do	730.1
3-15	do	1008.3	8-31	do	811.0

NIOBRARA RIVER
Niobrara

10-5	S. C. Moore	1230.0	11-1	S. C. Moore	1360.0
10-11	do	1320.0	11-6	do	1430.0
10-16	do	1290.0	11-13	do	1440.0
10-21	do	1400.0	11-22	do	1550.0
10-26	do	1450.0	11-27	do	1470.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

NORTH PLATTE CANAL WASTE
 North Platte—Sec. 29-14-30 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-10	A. E. Johnston	37.9	5-17	A. E. Johnston	0.1
10-23	do	63.3	5-24	do	.0
11-23	do	7.8	6- 9	do	2.5
4-30	do	.9	6-17	do	5.2
5- 7	do	1.8	7- 1	do	19.5

OAK CREEK

Lincoln—Sec. 16-10-6 E.

10-27	H. P. Eisenhuth	4.0	6-19	H. P. Eisenhuth	3.7
11-25	do	7.6	7-27	M. C. Boyer	1.0
2- 3	S. C. Moore	6.5	8-24	J. H. Baily	1.3
4-16	F. F. LeFever	7.4	9-26	L. F. Hanks	24.2
5-28	M. C. Boyer	.7			

OAK CREEK

Sec. 20-11-6 E.

8-27	A. E. Johnston	1.2
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OTTER CREEK

Lemoyne—Sec. 9-15-40 W.

10- 7	A. E. Johnston	25.3	6-20	F. F. LeFever	19.7
10-25	do	21.2	7-13	A. W. Hall	21.7
11-22	do	24.1	7-20	F. F. LeFever	18.8
1- 9	do	29.4	8- 7	A. W. Hall	4.8
1-30	do	24.3	8-11	A. E. Johnston	3.4
3- 6	do	28.8	8-12	do	22.1
4- 5	do	18.1	8-24	F. F. LeFever	4.8
4-27	do	18.9	9-10	A. E. Johnston	16.7
5- 8	do	23.3	9-17	do	23.2
5-28	A. W. Hall	23.3			

LITTLE PAPILLION (COLE)

Omaha—Sec. 25-15-12 E.

10-27	H. P. Eisenhuth	3.9	6-18	H. P. Eisenhuth	2.1
11-27	do	4.1	7-26	M. C. Boyer	2.5
2- 3	S. C. Moore	4.9	8-10	L. F. Hanks	1.4
5-26	M. C. Boyer	2.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

PAWNEE CREEK
 Sec. 4-12-27 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-11	A. E. Johnston	6.8	5-25	A. E. Johnston	2.2
11-28	do	16.4	6- 5	do	3.9
1- 6	do	19.5	6-11	do	2.2
2- 1	do	9.0	6-18	do	3.0
3- 9	do	9.4	7-14	do	.6
4- 9	do	10.4	8- 8	A. W. Hall	.0
5- 1	do	6.4	8-20	A. E. Johnston	2.1
5-18	do	3.5	9-24	do	5.9

PEPPER CREEK
 Dunlap-Chadron Highway—Sec. 35-30-48 W.

11- 6	A. E. Johnston	0.8
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PINE CREEK
 Colclessor Mill—Sec. 33-30-44 W.

11- 3	A. E. Johnston	17.5	4-16	A. E. Johnston	27.9
1-11	do	36.5	7- 5	do	14.2
2-20	do	35.6	8- 3	do	12.5
3-19	do	24.4			

PLUM CREEK
 U. P. R. R. Bridge—Sec. 10-19-49 W.

10- 7	F. F. LeFever	4.2	3-24	A. E. Johnston	4.0
10-25	do	4.1	4-12	A. W. Hall	2.8
1-24	do	3.6	5- 1	do	1.8
1-27	A. E. Johnston	4.2	5-18	do	1.4
2- 6	F. F. LeFever	3.4	5-24	F. F. LeFever	1.4
3- 3	A. E. Johnston	4.5	7-27	do	.8

PROUTY SPRINGS
 Below Dam—Sec. 5-32-11 W.

8-30	A. E. Johnston	0.9
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PUMPKINSEED CREEK
 Gering-Kimball Highway—Sec. 4-19-55 W.

11-14	A. E. Johnston	7.5	3-26	A. E. Johnston	3.5
1-18	do	6.4	5- 8	A. W. Hall	.6
2-22	do	8.1	8- 9	A. E. Johnston	.8

PUMPKINSEED CREEK
 Five Miles South of Bridgeport—Sec. 28-19-50 W.

10- 6	A. E. Johnston	38.0	3-26	A. E. Johnston	28.2
10-27	do	11.7	5- 1	A. W. Hall	4.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

PUMPKINSEED CREEK
Mouth—Sec. 12-19-50 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 6	A. E. Johnston	38.0	4-26	A. E. Johnston	19.9
10-25	F. F. LeFever	22.9	5- 1	A. W. Hall	46.4
10-27	A. E. Johnston	24.3	5- 3	do	81.7
11-11	F. F. LeFever	32.1	5-18	do	16.0
11-27	do	36.6	5-18	F. F. LeFever	12.8
12-16	do	43.1	5-19	do	13.3
1-10	do	43.2	6- 2	do	15.0
1-24	do	43.3	6-16	do	102.9
1-29	A. E. Johnston	45.9	6-26	A. W. Hall	37.3
2- 6	F. F. LeFever	41.0	7-16	F. F. LeFever	19.6
3- 5	A. E. Johnston	45.9	7-18	do	4.2
4- 4	do	43.7	7-27	do	4.7
4-13	A. W. Hall	40.0	8-10	do	3.8

PUMPKINSEED CREEK
Below Airedale Reservoir—Sec. 2-19-55 W.

8- 9 A. E. Johnston 0.6

PUMPKINSEED CREEK
Above Heard Canal—Sec. 14-19-54 W.

5- 8 A. W. Hall 2.1 8-30 A. W. Hall 0.6
 8- 9 A. E. Johnston .6

PUMPKINSEED CREEK
Above Mosier Dam—Sec. 21-19-53 W.

5- 8 A. W. Hall 0.5 8-30 A. W. Hall 1.0

PUMPKINSEED CREEK
Below Mosier Dam—Sec. 21-19-53 W.

8- 4 A. W. Hall 4.2 8-30 A. W. Hall 1.5

PUMPKINSEED CREEK
Above the Mutual Canal Headgate—Sec. 28-19-52 W.

7-17 A. W. Hall 2.4 8-30 A. W. Hall 1.6

PUMPKINSEED CREEK
Below Mutual Canal—Sec. 27-19-52 W.

5- 8 A. W. Hall 0.0 7-17 A. W. Hall 2.4
 6-29 F. F. LeFever .7

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

PUMPKINSEED CREEK
 Below Nunn's Dam—Sec. 27-19-51 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
8-4	A. W. Hall	6.1			

PUMPKINSEED CREEK
 Round House Dam—Sec. 28-19-51 W.

5-8	A. W. Hall	5.9	8-4	A. W. Hall	7.3
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PUMPKINSEED CREEK
 North of Redington—Sec. 18-19-51 W.

8-9	A. E. Johnston	1.8			
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PUMPKINSEED CREEK
 Below Court House Rock Canal—Sec. 30-19-50 W.

5-8	A. W. Hall	5.9	6-29	F. F. LeFever	2.8
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RED WILLOW CREEK
 Red Willow—Sec. 17-3-28 W.

11-10	A. E. Johnston	23.1	2-27	A. E. Johnston	12.4
12-5	do	41.7	3-31	do	24.9
1-23	do	20.9			

RED WILLOW CREEK
 Below Wild Horse Drain—SW Corner—Sec. 7-20-51 W.

10-9	F. F. LeFever	123.0	6-1	F. F. LeFever	25.7
11-1	do	103.6	6-16	do	60.7
11-24	do	92.7	6-25	A. W. Hall	43.7
1-9	do	76.8	7-10	F. F. LeFever	61.7
1-27	A. E. Johnston	75.1	7-17	do	24.1
2-5	F. F. LeFever	67.4	7-26	do	28.9
3-23	A. W. Hall	57.1	8-9	do	19.6
4-12	do	60.2	8-23	do	22.4
5-4	F. F. LeFever	49.2	9-10	do	28.6
5-17	do	20.5	9-20	do	29.8
5-25	do	52.8			

REPUBLICAN RIVER
 Colorado-Nebraska Line—Sec. 9-1-42 W.

10-18	A. W. Hall	34.6	4-26	A. W. Hall	13.0
11-11	A. E. Johnston	34.8	5-15	do	11.1
12-6	do	77.0	6-23	do	51.3
1-25	do	76.4	7-24	do	5.1
3-1	do	79.4	8-23	do	15.5
4-2	do	62.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

REPUBLICAN RIVER, NORTH BRANCH
Benkelman—Sec. 19-1-37 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-18	Hall and Follansbee	59.8	4-25	A. W. Hall	48.9
11-10	A. E. Johnston	94.2	5-15	do	32.9
12- 5	do	132.0	6-23	do	137.2
1-24	do	127.0	7-24	do	.0
2-28	do	116.0	8-23	do	15.5
4- 2	do	103.0			

REPUBLICAN RIVER, SOUTH BRANCH
Benkelman—Sec. 19-1-37 W.

10-18	Hall and Follansbee	66.5	4-25	A. W. Hall	37.1
11-10	A. E. Johnston	62.0	5-15	do	10.1
12- 5	do	94.5	6-23	do	78.3
1-24	do	60.3	7-24	do	.0
2-28	do	41.0	8-23	do	12.2
4- 2	do	62.8			

REPUBLICAN RIVER
Max—Sec. 32-2-36 W.

10-18	Hall and Follansbee	135.0	4-25	A. W. Hall	78.0
11-10	A. E. Johnston	152.6	5-14	do	22.6
12- 5	do	228.6	6-22	do	220.2
1-24	do	199.3	7-24	do	.0
2-28	do	190.2	8-23	do	10.9
4- 2	do	217.7			

REPUBLICAN RIVER
Culbertson—Sec. 16 and 17-3-31 W.

10-17	Hall and Follansbee	137.0	3-30	A. E. Johnston	157.3
11- 9	A. E. Johnston	180.0	4-25	A. W. Hall	96.3
12- 4	do	258.0	5-13	do	24.5
1-23	do	216.0	6-22	do	104.0
2-27	do	145.7	8-23	do	.0

REPUBLICAN RIVER
McCook—Sec. 31-3-29 W.

10-17	A. W. Hall	229.0	3-31	A. E. Johnston	331.7
11-10	A. E. Johnston	244.0	4-25	A. W. Hall	187.0
12- 5	do	448.0	5-13	do	7.3
1-23	do	465.0	6-22	do	535.0
2-27	do	241.3			

**DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934**

**REPUBLICAN RIVER
Holbrook—Sec. 22-14-24 W.**

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
8-21	J. H. Baily	0.0			

**REPUBLICAN RIVER
Oxford—Sec. 31-4-21 W.**

7-25	A. W. Hall	11.3	8-21	J. H. Baily	0.2
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**REPUBLICAN RIVER
Bloomington—Sec. 8-1-15 W.**

10-24	H. P. Eisenhuth	295.0	5-29	M. C. Boyer	70.0
12- 4	do	723.0	6-23	H. P. Eisenhuth	805.0
1-31	S. C. Moore	499.0	7-28	M. C. Boyer	23.1
2-27	F. F. LeFever	223.0	8-21	J. H. Baily	100.0
3-29	do	460.0	9-28	L. F. Hanks	71.0
4-26	do	372.0			

**REPUBLICAN RIVER
Hardy—Sec. 6-1-5 W.**

10-25	H. P. Eisenhuth	411.0	5-29	M. C. Boyer	38.1
11-24	do	277.0	6-23	H. P. Eisenhuth	1030.0
2- 1	S. C. Moore	544.0	7-22	A. W. Hall	16.8
2-28	F. F. LeFever	304.0	7-28	M. C. Boyer	10.4
3-29	do	518.0	8-22	J. H. Baily	14.4
4-25	do	448.0	9-28	L. F. Hanks	62.0

**ROCK CREEK
Parks—Sec. 21-1-39 W.**

11-11	A. E. Johnston	17.1	4-26	A. W. Hall	14.0
12- 6	do	16.4	5-15	do	13.5
1-25	do	17.1	6-23	do	12.6
3- 1	do	18.4	7-24	do	10.7
4- 2	do	15.5	8-23	do	9.1

**ROCK CREEK
Sec. 24-33-22 W.**

7-31	A. E. Johnston	0.9			
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**ROCK RANCH
Sec. 34-12-8 E.**

8-27	A. E. Johnston	3.0			
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

RUSH CREEK
 Sec. 17-17-45 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
4-26	A. E. Johnston	0.8			

SALT CREEK
 Sec. 25-9-6 E.

8-27	A. E. Johnston	0.5			
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SAND HILL LAKES—See page 527

SAND CREEK
 Sec. 10-15-40 W.

10- 7	A. E. Johnston	5.0	4-27	A. E. Johnston	0.5
10-25	do	6.1	5- 8	do	5.0
11-22	do	5.3	5-28	A. W. Hall	2.4
1- 9	do	4.9	7-20	F. F. LeFever	.1
1-30	do	4.6	8-11	A. E. Johnston	1.3
3- 6	do	4.5	8-24	F. F. LeFever	2.8
4- 5	do	4.9			

SAND CREEK
 Wahoo—Sec. 3-14-7 E.

8-27	A. E. Johnston	0.7			
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SAND CREEK
 Below Bendix Canal—Sec. 35-33-53 W.

4-21	A. E. Johnston	0.1	5-12	A. E. Johnston	0.6
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SARBEN SLOUGH
 Sec. 20-14-35 W.

10- 9	A. E. Johnston	2.6	4- 6	A. E. Johnston	1.9
10-24	do	2.2	4-28	do	2.3
11-23	do	4.1	6- 7	do	.9
1- 8	do	5.9	7-12	A. W. Hall	1.7
1-31	do	2.5	7-21	A. E. Johnston	.3
3- 7	do	2.1	9-15	do	2.0

SCHLAGEL CREEK
 Sec. 24-33-28 W.

11- 1	A. E. Johnston	13.1	4-18	A. E. Johnston	13.2
1-13	do	15.2	7- 7	do	5.7
2-16	do	18.6	8- 1	do	8.5
3-16	do	14.8			

**DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934**

**SCOTTSBLUFF DRAIN NO. 1
Sec. 25-22-54 W.**

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 5	F. F. LeFever	22.4	5- 2	F. F. LeFever	8.5
10-20	do	16.3	5-16	do	10.8
11- 3	do	14.6	6-23	do	16.6
1-20	do	8.7	7-25	do	11.9
3-22	A. W. Hall	8.1	8-22	do	15.4
4-11	do	8.0	9-19	do	13.0

**SCOTTSBLUFF DRAIN NO. 2
Sec. 34-22-54 W.**

10- 5	F. F. LeFever	10.0	5-16	F. F. LeFever	6.9
11- 3	do	7.0	7-25	do	7.6
1-20	do	4.6	8-22	do	8.2
3-22	A. W. Hall	4.0	9-19	do	6.4
4-11	do	3.3			

**SCOUT CREEK
North Platte—Sec. 20-14-30 W.**

10-10	A. E. Johnston	26.4	5- 7	A. E. Johnston	20.1
10-23	do	13.3	5-17	do	6.0
11-23	do	5.4	5-24	do	.2
12-14	do	.8	6-17	do	16.3
1- 8	do	.7	7-12	do	.5
3- 7	do	.4	8- 7	A. W. Hall	.2
4- 3	do	.4	9-26	A. E. Johnston	9.0

**SHEEP CREEK
NW $\frac{1}{4}$ of Sec. 21-23-57 W.**

10- 4	F. F. LeFever	121.0	5- 1	F. F. LeFever	67.2
10-19	do	118.6	5- 1	do	32.5
11- 2	do	112.7	5-15	do	5.9
11-23	do	104.9	5-22	do	1.9
12-14	do	97.9	6- 8	do	4.2
12-30	do	87.6	7- 3	do	1.8
1-18	do	85.2	7-24	do	2.0
1-31	do	85.2	8-21	do	7.5
2-19	do	82.9	9- 5	do	11.5
3-21	A. W. Hall	70.6	9-17	do	6.6

**SILVER CREEK
Sec. 35-14-8 E.**

8-27	A. E. Johnston	1.3
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

SILVERNAIL DRAIN
 Sec. 6-19-49 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 7	F. F. LeFever	12.1	3-24	A. E. Johnston	8.2
10-25	do	10.3	4-12	A. W. Hall	6.0
11-11	do	11.3	5- 1	do	3.8
11-27	do	10.8	5-18	do	5.2
1-24	do	7.9	5-24	F. F. LeFever	5.6
1-27	A. E. Johnston	10.5	6-19	do	17.1
2- 6	F. F. LeFever	8.6	7-27	do	5.5
3- 3	A. E. Johnston	9.7	8-13	do	5.6

SKUNK CREEK
 Sec. 1-14-37 W.

10- 9	A. E. Johnston	3.5	4- 6	A. E. Johnston	2.8
10-24	do	3.3	4-28	do	.4
11-23	do	3.2	6-16	do	2.9
1- 8	do	4.6	7-24	do	.5
1-31	do	2.8	8-13	do	1.1
3- 6	do	2.0	9-15	do	3.9

SKULL CREEK
 Sec. 11-25-20 W.

8-25	A. E. Johnston	0.5
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SNAKE CREEK
 Bridgeport-Alliance Highway—Sec. 8-24-48 W.

1-11	A. E. Johnston	0.0	4-16	A. E. Johnston	0.0
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SNAKE CREEK
 Above Fall—Sec. 9-31-30 W.

11- 1	A. E. Johnston	301.0	4-18	A. E. Johnston	266.9
1-13	do	287.0	7- 7	do	274.4
2-16	do	332.1	9- 1	do	237.1
3-16	do	283.3			

SOLDIER CREEK
 Sec. 19-31-52 W.

10- 3	A. E. Johnston	1.3	4-23	A. E. Johnston	1.4
11- 6	do	2.6	5-13	do	.1
1-16	do	3.1	7- 4	do	.0
2-12	do	4.0	8- 4	do	.0
3-21	do	1.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

SOW BELLY CREEK
 Sec. 4-32-55 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
8-6	A. E. Johnston	2.0			

SOW BELLY CREEK
 Sec. 5-32-55 W.

7-3	A. E. Johnston	2.2			
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SOW BELLY CREEK
 Center Sec. 16-33-55 W.

7-3	A. E. Johnston	0.0			
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SPINAR SPRINGS
 Sec. 1-32-11 W.

8-30	A. E. Johnston	0.6			
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SPOTTED TAIL, DRY
 Mitchell—Sec. 28-23-56 W.

10-4	F. F. LeFever	67.5	5-1	F. F. LeFever	34.9
10-20	do	52.3	5-15	do	4.6
11-2	do	47.3	5-23	do	9.0
11-23	do	38.9	5-30	do	12.9
12-14	do	45.1	6-8	do	17.9
1-19	do	38.7	7-12	do	13.0
2-2	do	34.2	8-7	do	12.1
2-20	do	33.6	9-6	do	11.7
3-21	A. W. Hall	31.2	9-18	do	16.5
4-10	do	34.6			

SPOTTED TAIL, WET and KRONBERG SEEP
 Sec. 1-22-56 W.

10-5	F. F. LeFever	19.4	4-10	A. W. Hall	14.2
10-20	do	18.1	5-2	F. F. LeFever	13.0
11-3	do	17.2	5-16	do	16.9
11-23	do	19.2	5-31	do	15.3
12-15	do	17.0	7-13	do	14.6
1-20	do	14.5	8-21	do	16.8
2-3	do	13.8	9-19	do	16.8
3-21	A. W. Hall	12.9			

SPRING CREEK
 Wyoming-Nebraska Line—Sec. 4-23-58 W.

10-4	F. F. LeFever	12.1	5-10	A. E. Johnston	9.1
1-19	do	8.5	7-3	F. F. LeFever	8.1
3-20	A. W. Hall	11.8	9-18	do	10.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

SPRING CREEK

Tributary to Little Cottonwood—Sec. 13-32-52 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 2	A. E. Johnston	0.4	3-20	A. E. Johnston	0.2
11- 4	do	.7	4-21	do	.9
1-16	do	.9	5-12	do	.4
2-14	do	1.1	8- 4	do	.0

SPRING CREEK

Sec. 9-34-18 W.

8-31	A. E. Johnston	8.2
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SPRING CREEK

Sec. 32-33-11 W.

8-30	A. E. Johnston	1.3
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SQUAW CREEK

Above Shepherd Canal—Sec. 36-34-57 W.

4-24	A. E. Johnston	0.4	8- 6	A. E. Johnston	0.0
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SQUAW CREEK

Below Shepherd Canal—Sec. 36-34-57 W.

2-13	A. E. Johnston	0.3	7- 3	A. E. Johnston	0.6
3-21	do	.3	8- 6	do	.0
4-24	do	.4			

SQUAW CREEK

Above McDowell's Reservoir—Sec. 12-31-52 W.

11- 4	A. E. Johnston	0.0	5-12	A. E. Johnston	0.2
2-12	do	.3	7- 4	do	.0
3-20	do	.4	8- 4	do	.0
4-21	do	.9			

SQUAW CREEK

Below McDowell's Reservoir—Sec. 1-31-52 W.

10- 2	A. E. Johnston	0.2	4-21	A. E. Johnston	0.1
11- 4	do	.5	5-12	do	.2
2-12	do	.2	7- 4	do	.0
3-20	do	.1	8- 4	do	.0

STEWARTS DRAIN

Sec. 13-23-57 W.

3-21	A. W. Hall	0.5	5- 1	F. F. LeFever	0.0
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

STINKING WATER CREEK
Palisade—Sec. 25-5-34 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-17	Hall and Follansbee	29.0	3-30	A. E. Johnston	39.9
11- 9	A. E. Johnston	40.2	5-14	A. W. Hall	16.4
12- 4	do	56.5	6-21	do	80.4
1-22	do	45.0	7-25	do	11.4
2-26	do	35.9	8-24	do	13.6

STREVER CREEK
South of Overton—Sec. 1-8-20 W.

10-12	A. E. Johnston	37.1	5-16	A. E. Johnston	11.2
10-20	do	37.6	5-23	do	7.0
11-28	do	9.5	5-25	do	2.8
12-15	do	12.1	6- 3	do	.7
1- 5	do	12.4	6-23	do	14.3
2- 2	do	17.9	6-29	do	18.8
3-10	do	17.0	6-30	do	10.3
4- 9	do	10.2	7-11	do	.3
5- 2	do	11.7	8-20	do	.0
5- 4	do	8.4	9-24	do	.0

STREVER CREEK
Junction of Dawson County Drain—Sec. 13 and 14-9-21 W.

6-29	A. E. Johnston	28.5	6-30	A. E. Johnston	14.8
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THIRTY MILE WASTE NO. 1
Into Orchard-Alfalfa—Sec. 8-10-24 W.

10-11	A. E. Johnston	6.8	5-16	A. E. Johnston	0.0
10-21	do	5.6	5-18	do	.0
5- 1	do	4.4	6-18	do	12.5
5- 4	do	11.0			

THIRTY MILE WASTE NO. 2
Into Orchard-Alfalfa—Sec. 8-10-24 W.

10-11	A. E. Johnston	4.2	5-16	A. E. Johnston	0.0
10-21	do	9.4	5-18	do	.0
5- 1	do	10.3	6-18	do	20.2
5- 4	do	.1			

TIMBER CREEK
Belgrade—Sec. 25-17-7 W.

10-22	M. C. Boyer	1.5	5-24	M. C. Boyer	2.2
11- 7	H. P. Eisenhuth	3.0	6-15	H. P. Eisenhuth	1.2
12- 2	do	200.0	7-23	M. C. Boyer	.4
3-23	F. F. LeFever	4.3	8- 9	L. F. Hanks	.7
4-17	do	4.1	9-17	do	.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

TOOHEY DRAIN
 Sec. 20-23-56 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 4	F. F. LeFever	5.2	3-21	A. W. Hall	2.2
11-19	do	2.6	4-10	do	1.3
11-23	do	4.3	5- 1	F. F. LeFever	1.4
1-19	do	2.6	6- 8	do	1.4

TOOHEY SPILLWAY
 From Tri-State Canal—Sec. 19-23-56 W.

10- 4	F. F. LeFever	28.4	1-19	F. F. LeFever	18.4
10-20	do	7.0	2- 2	do	18.3
11- 2	do	4.5	3-21	A. W. Hall	1.6
11-23	do	24.0	4-10	do	.9
12-14	do	23.2	5- 1	F. F. LeFever	15.2

TRUNK BUTTE CREEK
 Sec. 25-33-50 W.

10- 2	A. E. Johnston	0.1	4-20	A. E. Johnston	0.4
11- 4	do	.0	5-12	do	.1
2-14	do	.0	7- 4	do	.0
3-20	do	.8	8- 4	do	.0

TUB SPRINGS
 Sec. 8-22-55 W.

10- 5	F. F. LeFever	83.0	5- 2	F. F. LeFever	13.8
10-20	do	71.1	5-16	do	3.4
11- 3	do	60.2	5-23	do	2.5
11-23	do	52.8	5-31	do	2.8
12-15	do	48.5	6- 9	do	61.7
1-20	do	40.2	6-21	do	60.5
2- 3	do	39.5	7- 4	do	32.3
2-20	do	36.9	7-25	do	4.4
3-21	A. W. Hall	28.7	8-22	do	2.9
4-10	do	27.1	9-19	do	4.6

TUB SPRINGS
 Above Enterprise Canal—Sec. 33-23-55 W.

5- 2	F. F. LeFever	24.4	6-21	F. F. LeFever	29.1
5-16	do	22.2	7- 4	do	28.3
5-23	do	21.0	7-23	do	24.3
5-31	do	23.9	8-20	do	22.0
6- 9	do	25.5			

TURKEY CREEK
 Sec. 26-33-23 W.

7-31	A. E. Johnston	1.0	8-31	A. E. Johnston	0.9
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

TURKEY CREEK
 Sec. 23-33-23 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
8-31	A. E. Johnston	1.8			

TURKEY CREEK
 Oxford—Sec. 31-4-21 W.

8-21	J. H. Baily	0.6			
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TURKEY CREEK
 Sec. 9-7-1 E.

8-13	A. W. Hall	6.9			
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TURKEY CREEK
 Sec. 33-8-2 E.

8-13	A. W. Hall	8.3			
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TURKEY CREEK
 Dorchester—Sec. 4-7-3 E.

7-27	M. C. Boyer	7.2	8-13	A. W. Hall	8.3
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TURKEY CREEK
 DeWitt

7-27	M. C. Boyer	7.7			
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UNION CREEK
 Sec. 31-22-1 E.

8-28	A. E. Johnston	15.3			
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VICTORIA CREEK
 Sec. 1-19-21 W.

10-18	A. E. Johnston	9.7	7-9	A. E. Johnston	1.3
2-5	do	14.7	8-23	do	4.5
3-14	do	13.3			

WAHOO CREEK
 Ashland—Sec. 35-13-9 E.

10-27	H. P. Eisenhuth	20.9	7-26	M. C. Boyer	4.9
11-25	do	21.9	8-11	Hanks and Moore	12.3
4-7	F. F. LeFever	30.1	9-22	L. F. Hanks	12.4
6-19	H. P. Eisenhuth	16.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

WARBONNET CREEK
 Above Anderson Canals—Sec. 20-33-56 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
7- 3	A. E. Johnston	1.4	8- 6	A. E. Johnston	0.9

WARBONNET CREEK
 Above Warbonnet Canal—Sec. 20-33-56 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
2-13	A. E. Johnston	4.0	4-24	A. E. Johnston	2.8
3-21	do	3.3			

WHISTLE CREEK
 Mouth—Sec. 12-28-54 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 4	A. E. Johnston	0.1	4-25	A. E. Johnston	0.1
3-22	do	.2			

WHITE CLAY CREEK
 Crawford—Sec. 2-31-52 W,

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 2	A. E. Johnston	2.7	4-21	A. E. Johnston	2.8
11- 4	do	2.1	5-12	do	2.2
1-16	do	3.9	7- 4	do	.8
2-12	do	2.3	8- 4	do	.6
3-20	do	2.4			

WHITE CLAY CREEK
 Rushville—Sec. 6-34-44 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-30	A. E. Johnston	1.7	4-20	A. E. Johnston	3.7
2-15	do	3.5	7- 5	do	2.4
3-19	do	3.2	8- 3	do	1.1

WHITE HORSE CREEK
 Gannett—Sec. 5-13-29 W.

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10-11	A. E. Johnston	9.8	5-18	A. E. Johnston	5.5
10-23	do	10.5	5-25	do	4.2
11-28	do	12.4	6- 8	do	2.4
1- 6	do	19.2	6-11	do	1.3
2- 1	do	20.3	7-27	do	.6
3- 8	do	20.0	8- 8	A. W. Hall	.2
4- 7	do	21.2	8-20	A. E. Johnston	1.5
4-30	do	9.7	9-24	do	7.5

**DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934**

**WHITE RIVER
Crawford—Sec. 10-31-52 W.**

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 2	A. E. Johnston	15.9	5-13	A. E. Johnston	16.7
10-14	F. F. LeFever	17.9	7- 4	do	11.1
11- 6	A. E. Johnston	12.9	8- 4	do	6.7
1-16	do	24.9	8- 5	do	9.1
2-12	do	31.4	8-31	F. F. LeFever	7.5
3-21	do	28.4	9- 3	A. E. Johnston	11.8
4-21	do	25.2			

**WHITE RIVER
Above Whitney Diversion—Sec. 26-32-52 W.**

10- 2	A. E. Johnston	16.8	5-12	A. E. Johnston	1.8
11- 6	do	28.1	7- 4	Johnston and Rassmussen	2.8
1-16	do	31.1	8- 4	A. E. Johnston	4.6
2-14	do	23.0	8- 5	do	4.9
3-20	do	30.1	9- 2	do	3.6
4-21	do	23.9			

**WHITE RIVER
Below Whitney Diversion—Sec. 26-32-52 W.**

10- 2	A. E. Johnston	0.4	5-12	A. E. Johnston	0.1
11- 6	do	2.8	7- 4	do	3.6
1-16	do	4.7	8- 4	do	2.7
2-14	do	.3	8- 5	do	5.7
3-20	do	1.5	9- 2	do	3.2
4-21	do	2.9			

**WHITE RIVER
Six Miles West of Chadron—Sec. 18-33-49 W.**

10- 2	A. E. Johnston	5.1	7- 4	A. E. Johnston	2.2
11- 4	do	20.5	8- 4	do	2.5
1-16	do	15.0	8- 5	do	2.4
2-14	do	8.3	8- 5	do	3.5
3-20	do	14.3	8-30	F. F. LeFever	.5
4-20	do	7.4	9- 2	A. E. Johnston	2.1
5-12	do	4.2			

**WHITE RIVER
Above Crawford Water Supply Dam**

8- 5	A. E. Johnston	7.2
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1934

WHITE RIVER
Below Crawford Water Supply Dam

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
8-5	A. E. Johnston	5.6			

WHITE RIVER
Mobley Pump—Sec. 3-31-52 W.

9-2	A. E. Johnston	13.2			
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WHITE RIVER
Below Rasher Dam

7-3	A. E. Johnston	1.2			
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WHITE RIVER
Sec. 17-34-48 W.

7-4	A. E. Johnston	4.5	9-2	A. E. Johnston	0.0
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WHITE TAIL CREEK
Sec. 36-15-38 W.

10-9	A. E. Johnston	29.7	6-24	A. E. Johnston	19.4
10-24	do	31.1	7-13	A. W. Hall	24.4
11-23	do	33.6	7-24	A. E. Johnston	26.0
1-8	do	35.0	8-7	A. W. Hall	20.5
1-31	do	31.6	8-13	A. E. Johnston	20.3
3-6	do	31.9	8-16	do	21.0
4-6	do	28.0	8-18	do	29.5
4-28	do	27.6	9-6	do	22.7
5-7	do	26.8	9-22	do	32.6
6-9	do	20.8	9-26	do	30.7
6-13	do	17.8			

WHITEMANS FORK
Champion—Sec. 22-6-39 W.

11-8	A. E. Johnston	1.4	2-26	A. E. Johnston	1.2
12-4	do	1.3	3-29	do	1.7
1-22	do	1.4			

WILLOW CREEK
Sarben—Sec. 15-14-35 W.

10-9	A. E. Johnston	1.3	4-6	A. E. Johnston	1.6
10-24	do	2.1	6-7	do	1.2
11-23	do	1.7	7-21	do	.9
1-31	do	1.8	8-17	do	2.1
3-7	do	1.6	9-26	do	1.5

**DISCHARGE MEASUREMENTS OF STREAMS—Concluded
Year Ending September 30, 1934**

**WINTERS CREEK
Scottsbluff—Sec. 19-22-54 W.**

DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.	DATE	HYDROGRAPHER	DISCHARGE SEC.-FT.
10- 5	F. F. LeFever	97.0	5-16	F. F. LeFever	5.9
10-20	do	80.8	6- 1	do	3.5
11- 3	do	73.0	6- 9	do	43.8
11-23	do	74.0	6-23	do	33.3
12-15	do	65.0	7- 4	do	10.6
1-20	do	58.5	7-14	do	6.6
2- 3	do	60.1	7-25	do	3.3
2-20	do	52.8	8- 8	do	4.5
3-22	A. W. Hall	52.6	8-22	do	7.7
4-11	do	48.1	9- 5	do	18.4
5- 2	F. F. LeFever	3.9	9-19	do	31.1

**WOOD RIVER
Grand Island—Sec. 13-11-9 W.**

8- 8 A. W. Hall 0.0

**WOOD RIVER
Sec. 12-9-16 W.**

8-21 A. E. Johnston 1.5

**WOOD RIVER
Kearney—Sec. 12-9-16 W.**

8-21 A. E. Johnston 1.5

SAND HILL LAKES
GAGE HEIGHT RECORDS SHOWING RISE AND FALL OF
WATER SURFACE
 Year Ending September 30, 1934

BLUE LAKE
 Sec. 18-20-44 W.

DATE	HYDROGRAPHER	GAGE HEIGHT	DATE	HYDROGRAPHER	GAGE HEIGHT
11- 5	W. T. Krummes	82.87	8-12	Earl Ladd	82.51
11-12	do	82.83	8-26	do	82.47
11-19	do	82.83	9- 2	do	82.58
12- 3	do	82.95	9- 8	do	82.43
12-10	do	82.92	9-23	do	82.43
8- 5	Earl Ladd	82.59	9-30	do	82.42

CRESCENT LAKE
 Sec. 21-20-44 W.

11- 5	W. T. Krummes	3783.59	6-12	W. F. Chaloupka	3783.55
11-12	do	3783.56	6-16	W. T. Krummes	3783.76
11-19	do	3783.51	6-23	do	3783.55
12- 3	do	3783.70	7- 1	do	3783.47
12- 9	do	3783.72	7- 8	do	3782.93
3- 1	do	3784.20	7-14	do	3782.87
3-25	do	3784.15	7-15	A. W. Hall	3782.60
4-12	do	3784.32	7-21	W. T. Krummes	3782.40
5- 4	do	3784.37	7-29	do	3782.05
5- 7	A. W. Hall	3784.13	8- 5	Earl Ladd	3781.66
5-13	W. T. Krummes	3784.25	8-12	do	3781.40
5-18	W. F. Chaloupka	3784.15	8-26	do	3781.54
5-19	W. T. Krummes	3784.26	9- 2	do	3781.56
5-27	do	3784.40	9- 8	do	3781.36
6- 2	do	3784.44	9-23	do	3781.36
6-11	do	3783.57	9-30	do	3781.34
6-12	do	3783.45			

Note: Sea-level elevations

LAKE ELI
 Eli- Sec. 12-34-36 W.

10-31	A. E. Johnston	9.50	4-17	A. E. Johnston	9.30
1-12	do	10.00	7- 6	do	8.10
2-15	do	9.10	8- 2	do	.00
3-17	do	9.70	9- 1	do	.00

HACKBERRY LAKE
 Sec. 1-20-45 W.

11- 5	W. T. Krummes	93.52	8-26	W. T. Krummes	92.64
11-12	do	93.50	9- 2	do	92.74
11-19	do	93.47	9- 8	do	92.59
12- 3	do	93.60	9-23	do	92.59
8- 5	do	92.98	9-30	do	92.55
8-12	do	92.87			

SAND HILL LAKES—Concluded
Year Ending September 30, 1934

ISLAND LAKE
 Sec. 4-20-44 W.

DATE	HYDROGRAPHER	GAGE HEIGHT	DATE	HYDROGRAPHER	GAGE HEIGHT
11- 5	W. T. Krummes	95.93	8-12	Earl Ladd	95.14
11-12	do	95.98	8-26	do	95.26
11-19	do	95.92	9- 2	do	95.38
12- 3	do	96.03	9- 8	do	94.84
12- 9	do	96.05	9-23	do	94.84
8- 5	Earl Ladd	95.26	9-30	do	94.80

SWAN LAKE
 Sec. 10-20-45 W.

11-13	W. T. Krummes	97.16	8-26	Earl Ladd	96.37
11-19	do	97.12	9- 2	do	96.55
12- 2	do	97.30	9- 8	do	96.35
8- 5	Earl Ladd	96.73	9-23	do	96.38
8-12	do	96.54	9-30	do	96.36

ACTUAL MEASUREMENTS OF CANALS
Year Ending September 30, 1938

ABERDEEN CANAL—D-50a, D-50b, D-68, A-1117
Diverted from Frenchman River—Sec. 3-5-38 W.

DATE	AREA OF SECTION	MEAN VELOCITY	DIS-CHARGE		DATE	AREA OF SECTION	MEAN VELOCITY	DIS-CHARGE	
			GAGE HEIGHT	SEC.-FT.				GAGE HEIGHT	SEC.-FT.
8-12	2.0	1.40		2.8					

ALFALFA CANAL—D-738

Diverted from North Platte River—Sec. 1-15-42 W.

10-28	15.5	1.81	0.55	28.1	6-18	26.0	1.90	1.27	49.4
4-11	22.6	2.11	.90	47.8	6-22	26.1	1.80	1.25	46.9
5-19	5.1	1.41	.95	7.2	6-30	24.3	1.70	1.29	41.3
6- 3	11.0	1.81	.40	19.9	8-31	24.6	2.12	1.20	52.2
6- 7	14.4	1.05	.80	15.2	9-13	22.3	1.82	1.24	40.6
6-13	14.0	2.50	.58	35.1					

ALLEN-LARNED CANAL—D-117

Diverted from Buffalo Creek—Sec. 18-1-40 W.

5- 8	1.1	1.15		1.0	7-17	2.8	1.00		2.8
5-26	4.9	.61		3.0	7-26	4.4	.62		2.7
6-26	4.4	.32		1.4					

ALLIANCE CANAL—D-874 (O. D. A.1776)

Diverted from Bayard Sugar Factory Drain—Sec. 5-20-52 W.

6-19	17.0	2.00	2.16	34.0	7-27	18.6	2.06	2.40	37.7
6-26	18.0	2.11	2.27	38.0	8- 5	13.7	1.14	1.80	17.0
7- 5	14.0	1.79	1.86	25.0	8-14	8.8	.60	1.20	5.3
7-13	19.0	1.82	2.45	34.6					

ALLIANCE CANAL—D-874 (O. D. A-1429)

Diverted from Red Willow Creek—Sec. 6-20-51 W.

10-10				5.0	7-27	30.2	1.81	2.54	54.8
6- 2	23.0	1.48	1.89	34.0	8- 5	31.5	1.18	2.66	37.2
6-19	29.0	1.07	2.42	31.0	8-14	32.8	1.85	2.77	60.9
6-24	28.0	1.25	2.35	35.0	8-24	37.6	1.61	3.17	60.7
7- 8	35.0	1.71	3.00	60.0	9-27	17.0	.96	1.43	16.3
7-13	34.1	1.34	2.89	45.7					

ANDERSON CANAL—D-373

Diverted from Lodgepole Creek—Sec. 8-14-51 W.

7- 8	2.0	0.44		1.0					
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ATKINS-POLLY CANAL—D-342, D-344

Diverted from Lodgepole Creek—Sec. 30-15-55 W.

7- 7	2.8	0.54	0.60	1.5	8- 8	4.3	0.19	1.00	0.8
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ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1938

BARBER CANAL—D-754, A-1111
 Diverted from Clear Creek—Sec. 29-16-41 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-28	0.7	1.28	0.10	0.9	6-22	0.0	0.0	4.15	1.0
4-11	3.6	2.92	.90	10.5	7-14	.0	.0	.00	.3
4-19	2.6	3.15	.68	8.2	7-19	4.4	2.02	1.10	8.9
5-10				.0	7-27	3.7	1.73	1.00	6.4
5-19			.10	1.0	8- 8	2.3	1.13	.68	2.6
6- 3	3.6	2.50	.90	9.3	8-31	.9	.67	.80	.6
6-13	1.8	4.05	.45	7.3					

BAY STATE CANAL—D-347
 Diverted from Lodgepole Creek—Sec. 29-15-55 W.

8- 8	1.4	1.43	0.50	2.0	8- 8	1.0	1.40	0.36	1.4
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BEERLINE CANAL—D-887
 Diverted from North Platte River—Sec. 24-19-49 W.

10- 7				5.0	7-15	4.8	0.77	0.95	3.7
6-17	7.0	1.14	1.14	8.0	7-25	5.0	1.12	.95	5.6
6-27	11.0	.82	1.55	9.0	9-12	12.8	1.38	1.55	17.6
7- 6	12.0	.58	1.55	7.0					

BELMONT AND EMPIRE CANAL—D-828, D-858, A-866
 Diverted from North Platte River—Sec. 18-20-51 W.

10-10	31.0	1.79	0.59	55.6	7-19	85.4	2.18	1.69	186.4
5-17	29.1	1.76	.60	51.0	7-27	81.6	2.13	1.56	173.8
6- 1	34.0	1.82	.82	62.0	8- 4	80.3	2.19	1.52	175.7
6-16	68.0	2.30	1.46	138.0	8-14	78.9	2.20	1.46	173.6
6-26	76.0	2.19	1.70	167.0	9- 9	34.0	2.56	.60	87.1
7- 5	80.0	2.20	1.67	176.0					

BELMONT FEEDER—A-1397
 Diverted from Cedar Creek—Sec. 23-18-48 W.

5-16	7.8	1.55	2.02	12.1	7-15	9.9	0.67	2.69	6.4
6- 3	8.0	1.12	2.12	9.0	7-17	13.7	.40	2.00	5.4
6-12	4.9	1.79	.90	8.8	7-25	6.9	1.54	1.98	10.6
6-27	7.0	.71	2.21	5.0	8- 7	9.6	1.02	1.77	9.8
7- 6	9.0	.66	2.66	6.0					

BENNETT CANAL—A-691, A-1975
 Diverted from Bennett Reservoir on Lodgepole Creek—Sec. 22-15-55 W.

5- 2	3.0	0.63	1.38	1.9	7- 8	5.2	1.00	1.80	5.2
5-19	4.0	2.26	1.50	9.5	8- 7	5.1	.77	1.30	3.9
6- 9	3.3	1.06	1.20	3.5					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

**BICKEL CANAL—A-719, A-724, D-347
Diverted from Lodgepole Creek—Sec. 30-15-55 W.**

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
6-10				0.5	8- 8	2.7	0.45	0.70	1.2
7- 7	2.0	1.00	0.50	2.0					

**BIGLOW-SEYMOUR CANAL—D-510
Diverted from Niobrara River—Sec. 19-31-57 W.**

10-15	1.0	0.70		0.7	11-16	1.0	0.70		0.7
7- 3	1.1	.51		.5					

**BIRD CAGE CANAL—D-892
Diverted from Pumpkinseed Creek—Sec. 20-19-51 W.**

6-29	1.0			1.0					
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**BIRDWOOD IRRIGATION DISTRICT CANAL—D-646
Diverted from Birdwood Creek—Sec. 35-15-33 W.**

5-18	11.2	1.26	0.85	14.1	7-26	15.0	1.47	1.00	22.1
6- 5	18.5	1.15	1.40	21.3	8-10	7.3	1.07	.50	7.8
6-14	12.0	1.41	1.05	16.9	8-16	17.9	1.51	1.20	27.0
6-21	16.5	1.37	1.28	22.7	9- 1	5.9	.90	.39	5.3
7-12	15.0	1.57	1.07	23.6	9-15	7.2	1.16	.55	8.4
7-20	27.0	1.65	1.82	44.5					

**BLUE CREEK CANAL—D-785, D-795
Diverted from Blue Creek—Sec. 33-17-42 W.**

10-28				0.0	6-23	21.6	1.73	1.73	37.4
4-11	12.0	1.43	0.95	17.2	7-14	20.4	1.89	1.60	38.5
5-10	9.4	1.25	.65	11.7	7-18	24.0	1.93	1.92	46.5
5-19	2.7	.97	.20	2.6	7-27	20.4	1.80	1.62	36.8
6- 2	8.4	1.14	.68	9.6	8- 5	7.2	1.32	.59	9.5
6- 8	15.6	1.68	1.26	26.3	8- 8	12.0	1.52	.91	18.3
6-13	17.4	1.53	1.35	26.7	8-18	3.6	1.25	.22	4.5

**BLUHM CANAL—A-1811
Diverted from Lodgepole Creek—Sec. 36-14-48 W.**

10-12				0.4	11-12				0.5
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**BOOTH CANAL (NORTH)—D-309, D-310
Diverted from Lodgepole Creek—Sec. 29-14-47 W.**

7-11	3.7	1.30	1.05	4.8					
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**BORQUIST CANAL—D-300
Diverted from Lodgepole Creek—Sec. 34-14-49 W.**

6-22	2.0	0.65		1.3					
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ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1938

BORQUIST CANAL (NORTH)—D-301
 Diverted from Lodgepole Creek—SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-14-49 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
6-22	2.5	0.88	1.00	2.2					

J. S. BOURETT CANAL—A-546
 Diverted from Niobrara River—Sec. 19-30-56 W.

7- 3	3.0	0.75		4.0					
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BROWNS CREEK CANAL—D-856, D-1033
 Diverted from North Platte River—Sec. 20-20-50 W.

10- 7	11.0	1.38	0.60	15.2	7-19	46.0	1.46	2.36	67.2
8- 2	13.0	1.54	.83	20.0	7-25	52.0	1.52	2.71	78.7
6-19	56.0	1.48	3.00	83.0	8-15	55.3	1.51	2.84	73.5
6-27	49.0	1.45	2.64	71.0	8-25	53.8	1.52	2.74	81.7
7- 8	48.0	1.48	2.55	71.0	9-22	13.3	1.29	.69	17.1

BULLOCK CANAL—D-296
 Diverted from Lodgepole Creek—Sec. 3-13-46 W.
 Measurement made at headgate

7-11	10.7	0.15		1.6					
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BURKE AND KENT CANAL—A-1694
 Diverted from Pawnee Creek—Sec. 18-13-27 W.
 Measurement made at rating flume

6-16	3.5	0.72	0.96	2.5	7- 6	2.6	1.77	0.70	1.5
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CASTLE ROCK CANAL—D-921
 Diverted from North Platte River—Sec. 4-21-54 W.
 Measurement made at rating flume

10- 6				10.0	7-19	44.4	1.54	2.40	68.5
4-26	30.4	1.38	2.17	42.0	8- 3	39.2	1.54	2.52	60.2
6- 1	36.0	1.55	2.29	56.0	8-12	25.5	1.12	1.99	28.5
6-16	52.0	1.56	2.57	81.0	8-23	37.1	1.44	2.48	53.6
6-29	55.0	1.58	2.60	87.0	9-19	29.3	1.36	2.54	40.1

CENTRAL IRRIGATION DISTRICT—D-926
 Diverted from North Platte River—Sec. 27-22-55 W.
 Measurement made at rating flume

4-26	11.0	1.43	1.14	15.7	7-24	14.0		1.42	31.1
5-31	14.0	1.00	1.38	28.0	8- 3	14.0		1.44	23.7
6-16	15.0	1.80	1.60	27.0	8-12	15.3		1.58	24.8
6-29	19.0	1.78	1.89	34.0	8-23	16.5		1.70	26.9
7- 1	15.0	2.00	1.50	30.0	9- 9	9.1		.95	11.2
7-12	15.0	2.09	1.53	31.3					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

CHAMPION CANAL—D-47

Diverted from Frenchman River—Sec. 23-6-40 W.
Measurement made at rating flume

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 6	16.4	0.95	1.75	15.6	5-23	7.6	1.49	.80	11.3
3-21	8.5	2.55	.90	21.7	8-11	10.2	1.24	1.10	12.8
4-20	9.6	2.88	.96	27.6	8-15	11.2	1.26	1.22	14.1
5- 5	9.1	2.42	.93	22.0	9- 8	10.2	1.18	1.10	12.1

CHAMPION CANAL—D-47

Diverted from Frenchman River—Sec. 23-6-40 W.
Measurement out of Kilpatrick Reservoir

6-23	4.1	0.98		4.0	8-11	6.5	1.57		10.2
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CHAMPION CANAL—A-1108

Diverted from Frenchman River—Sec. 30-16-39 W.
Measurement into Kilpatrick Reservoir

12- 6	10.0	1.86	1.05	18.6	8-11	3.1	0.94		2.9
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CHIMNEY ROCK CANAL—D-844, D-1031

Diverted from North Platte River—Sec. 1-20-53 W.
Measurement made at rating flume

6- 1	18.0	1.50	1.25	27.0	7-19	28.9	2.05	1.68	59.3
6- 8	29.0	1.93	1.75	56.0	7-27	30.1	2.20	1.76	66.1
6-16	38.0	2.16	2.23	82.0	8- 4	28.9	2.00	1.68	57.9
6-26	37.0	2.22	2.10	82.0	8-14	29.9	2.20	1.73	65.6
7- 5	29.0	1.79	1.69	52.0	8-24	29.4	2.10	1.70	61.9

CIRCLE ARROW CANAL—D-346

Diverted from Lodgepole Creek—Sec. 29-15-55 W.
Measurement made at headgate

6-21	3.5	0.91	1.65	3.2	7- 8	4.6	0.70	2.20	3.2
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CLEAR CREEK CANAL—D-748

Diverted from Clear Creek—Sec. 32-16-41 W.
Measurement below diversion dam

4-19	2.5	0.76	0.52	1.9	7-27	3.0	0.97	0.41	2.9
6-13	.9	1.00	.20	.9					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

CODY DILLON CANAL—D-649

Diverted from North Platte River—Sec. 9-14-31 W.
Measurement made at gaging station

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-31	6.5	0.97	0.60	6.3	7-26	18.1	2.09	2.30	37.9
5-11	3.6	.92	.70	3.3	8-10	6.6	1.91	1.08	12.6
6- 6	6.6	1.34	1.15	8.9	8-16	6.5	1.89	1.10	12.3
6-21	8.2	1.81	1.38	14.8	9- 2	8.5	2.28	1.35	19.4
7-12	18.2	2.91	2.40	52.8	9-16	9.9	2.45	1.70	24.3
7-20	12.3	2.45	1.75	30.1					

COLD WATER CANAL—D-796

Diverted from Cold Water Creek—Sec. 26-18-46 W.
Measurement into Lisco Canal

10- 8	2.9	1.80	0.58	5.2	6- 1	2.4	1.50	1.07	3.6
10-27	.5	1.00	.23	.5	6-12	2.5	1.44	1.03	3.6
11-25	2.8	1.32	.51	3.7	6-23	2.5	1.31	1.00	3.3
1- 6	2.4	1.62	.40	3.9	7-15	3.1	1.06	.88	3.3
1-28	2.5	1.56	.45	3.9	7-17	2.8	1.25	.85	3.5
2-13	1.4	1.64	.45	2.3	7-28	2.1	1.43	.89	3.0
3-13	2.4	1.74	.72	4.2	8- 7	3.1	1.22	.90	3.8
4-10	2.3	2.00	.60	4.6	8-30			.80	3.2
5- 9	2.8	1.50	1.15	4.2	9-12	4.3	2.00	1.15	8.6

COOK CANAL NO. 1—D-980

Diverted from Niobrara River—Sec. 1-28-56 W.
Measurement from below rock dam

10-15	2.9	0.90		2.6	7- 3	3.2	0.25	0.35	0.8
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COOPER CANAL—A-333

Diverted from Squaw Creek—Sec. 36-32-52 W.
Measurement made at headgate

4-29	0.9	0.67		0.6					
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COOPER CANAL (WEST SIDE)—A-42

Diverted from White Clay Creek—Sec. 2-31-52 W.

5-29	0.4	0.42		0.2	7- 1	2.1	0.29	0.80	0.6
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COURT HOUSE ROCK CANAL—D-840, D-1028

Diverted from Pumpkinseed Creek—Sec. 30-19-50 W.
Measurement made at rating flume

10-10	10.8	1.07	1.20	11.6	7-10	6.0	2.00	0.64	12.0
11- 9	10.4	1.53	1.17	16.0	8- 4	5.8	2.19	.60	12.7
4-28	10.9	2.26	1.21	24.6	8-16	6.3	2.08	.68	13.1
5-17	11.6	2.21	1.25	25.7	8-26	9.2	1.89	1.00	17.4
6-29	8.0	1.62	.85	13.0	9-22	9.3	1.50	1.01	13.9

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

COZAD CANAL—D-626
 Diverted from Platte River—Sec. 15-11-25 W.
 Measurement made at rating flume

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
6- 7	67.8	1.14	1.70	77.5	8- 2	48.3	1.33	1.14	64.4
6-16	65.9	1.03	1.62	68.0	8- 3	105.5	1.31	2.72	138.8
6-20	22.6	3.14	1.61	71.4	8-11	45.5	1.06	1.08	48.2
7- 6	7.2	3.12	.40	22.4	8-15	154.0	1.65	4.10	254.3
7-11	14.8	1.49	3.95	220.0	9- 4	67.2	1.17	1.70	78.5
7-24	114.0	1.23	3.02	140.0	9-18	64.3	.86	1.70	55.4

CRESCENT LAKE CANAL—A-1575
 Diverted from Crescent Lake—Sec. 21-20-44 W.

7-25	10.5	0.63	0.75	6.6	8- 7	7.2	1.26	0.32	9.1
8- 6	7.9	1.31	.36	10.4	8-18	6.2	1.03	.20	6.4

CULBERTSON CANAL—D-24, D-25, D-29, D-30
 Diverted from Frenchman River—Sec. 31-5-33 W.

10- 5	48.9	1.72	3.02	84.0	6-14	52.8	1.83	3.30	96.6
11- 5	52.4	1.71	3.40	90.1	7-13	49.6	1.79	3.09	88.7
4-19	51.2	1.88	3.20	96.4	7-27	56.0	1.82	3.50	102.0
5- 6	32.0	1.18	2.00	37.8	8-12	49.6	1.70	3.10	84.3
5- 9	51.0	1.75	3.00	89.6	9-10	28.4	.96	2.01	37.3
5-24	43.2	1.58	2.70	68.3					

DAWSON COUNTY CANAL—D-621, D-622, D-624, A-2039
 Diverted from Platte River—Sec. 18-10-23 W.
 Measurement made at rating flume

4-14	89.5	1.75	2.65	156.9	7-24	132.0	2.42	3.59	310.9
5-13			1.52	10.0	8- 1	69.0	1.77	2.50	122.3
5-15			1.40	8.0	8- 2	117.5	2.03	3.16	238.0
6- 7	96.5	2.10	2.82	202.3	8- 3	162.1	2.47	4.13	401.0
6-16	94.5	1.87	2.70	176.7	8-12	181.0	2.32	4.23	422.2
6-19	32.3	1.38	1.85	44.6	8-15	154.0	2.12	3.68	326.8
7- 7	112.5	2.12	3.09	237.9	9- 4	99.0	1.95	2.90	194.4
7-10	130.5	2.00	3.27	260.3	9-20	87.5	1.98	2.71	173.0
7-22	74.0	1.91	2.90	179.7					

DAWSON COUNTY CANAL (BEATTY LATERAL)—A-2145
 Diverted from Strever Creek—Sec. 18-10-23 W.
 Measurement made at headgate

6-17	13.2	0.87	1.95	11.5	8- 3	11.4	1.05	1.82	11.9
7- 7	12.0	.90	1.75	10.8	8-14	10.2	.82	1.55	8.4
7-10	13.4	.71		9.5	9- 5	14.2	.96	2.05	13.6
7-22	12.0	.77	1.77	9.2	9-19	14.3	1.03	1.90	14.8

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

DELAWARE-HICKMAN CANAL—D-157

Diverted from Republican River—Sec. 17-1-37 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 4	4.5	1.29		5.8	6-13	3.5	0.92		3.2
11- 3	5.4	1.30		7.0	6-26	3.8	1.03		3.9
12- 3	5.5	1.10		6.1	7-16	4.3	.86		3.7
4-18	1.2	.92		1.1	7-26	3.1	.90		2.8
5- 8	5.1	1.13		5.8	8-14	1.8	.89		1.6
5-25				.3					

ELM CREEK CANAL—A-2104

Diverted from Platte River—Sec. 6-8-19 W.
 Measurement made at diversion dam

11- 1	11.9	0.98	1.70	11.7	7-22	12.2	0.33	1.20	4.0
4-15	45.1	2.06	2.85	9.3	7-24	15.7	.83	1.60	13.1
6- 8			1.50	3.0	8- 2	3.0	.63	1.00	1.9
6-17	25.1	.68	2.10	17.2	8-14	19.9	1.22	1.95	24.3
6-19	20.8	.72	2.00	15.1	9- 5	31.2	1.28	2.50	40.1
7- 7	17.9	.68	1.70	12.2	9-19	27.0	1.30	2.25	35.2
7-10	27.0	1.23	2.34	33.3					

EMPIRE CANAL—D-858, A-866

Diverted from North Platte River—Sec. 18-21-51 W.
 Measurement made at rating flume

7-19	13.4	1.57	1.29	21.0					
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ENTERPRISE CANAL—D-920

Diverted from North Platte River—Sec. 27-23-57 W.
 Measurement made at rating flume

10-11				10.0	7-11	50.0	1.70	1.85	85.0
4-25	22.2	1.55	0.92	34.4	7-20	48.8	1.80	1.75	87.5
5-22	31.0	2.16	1.36	67.0	7-31	51.5	1.84	1.89	94.6
6- 6	38.0	1.82	1.53	69.0	8-10	42.3	1.64	1.50	69.0
6-15	42.0	1.86	1.63	78.0	8-21	41.6	1.73	1.51	71.9
6-22	40.0	1.73	1.58	69.0	9- 8	34.4	1.74	1.31	59.9
6-30	54.0	1.87	1.98	103.0	9-20	14.9	1.52	.73	22.6

ENTERPRISE CANAL—D-920

Diverted from Morrill Drain—Sec. 13-23-57 W.

7-12	4.3	0.81		3.5					
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ENTERPRISE CANAL—D-920

Diverted from Stewart Drain—Sec. 13-23-57 W.

4-25				0.5	7-12				0.8
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ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

ENTERPRISE CANAL—D-920

Diverted from Wet Spotted Tail Creek—Sec. 22-23-56 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4-26	4.6	1.61		7.4	7-31	7.3	1.62		11.8
6-15	5.0	2.00		10.0	8-11	7.4	1.69		12.5
7- 1	7.0	1.73		12.0	9-20	7.4	1.70		12.6
7-12	7.8	1.56		12.2					

ERNEST CANAL NO. 1—D-514a

Diverted from Niobrara River—Sec. 9-29-56 W.

Measurement made at headgate

7- 3	5.6	0.80	1.10	4.5					
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ERNEST CANAL NO. 2—D-514b

Diverted from Niobrara River—Sec. 9-29-56 W.

10-15	6.9	1.07		7.4					
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EXCELSIOR CANAL—D-568

Diverted from Niobrara River—Sec. 10-28-52 W.

Measurement made below headgate

10-15	4.9	0.37	0.74	1.8	7- 3	1.5	0.53		0.8
11-17	6.0	.48		2.9					

FARMERS CANAL—D-10

Diverted from Frenchman River—Sec. 11-3-32 W.

Measurement made at headgate

11- 4	8.6	0.63		5.4	6-14	11.9	0.48	1.30	5.8
5- 6	6.7	1.57		10.5	8-13	11.0	.73		8.1

FOLLETT-KROTTER CANAL—A-975, A-743, A-720, A-705
 Diverted from Frenchman River—SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-5-34 W.
 Measurement made at rating flume

10- 5	6.0	2.43	1.10	14.6	8-12	5.8	2.10	1.10	12.2
4-19	5.4	3.85	.90	20.8	9-10	9.1	2.68	1.84	24.4
6-14	6.3	3.08	1.10	19.4					

FUHRMAN CANAL—D-462

Diverted from Niobrara River—Sec. 29-29-50 W.

Measurement made at headgate

10-14	2.0	0.80		1.6	7- 4	0.8	0.37		0.3
11-17	5.7	.26		1.5					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

FUHRMAN CANAL (SOUTH SIDE)—D-462
 Diverted from Niobrara River—Sec. 29-29-50 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-14	2.6	1.08		2.8	7- 4	6.4	0.92		5.9
11-17	4.0	1.17		4.7					

GERING CANAL (LATERAL)—A-365
 Diverted from Melbeta Drain—Sec. 24-21-54 W.

6-16				0.5	8- 4	4.4			5.1
7- 5	3.7			5.8	8-23	5.1			4.9
7-19	3.8			5.6	8-24				1.0

GERING CANAL—A-365
 Diverted from North Platte River—Sec. 4-23-58 W.
 Measurement made at rating flume

4-25	26.1	3.09	0.86	80.6	7-20	46.6	3.16	1.48	147.4
5-22	36.0	1.61	.72	58.0	8- 1	44.5	3.20	1.49	143.0
6- 6	78.0	3.20	2.42	250.0	8-10	48.1	3.16	1.54	152.0
6-13	70.0	3.04	2.18	213.0	8-22	48.5	3.06	1.54	148.9
6-22	65.0	3.10	2.02	202.0	9- 8	54.3	2.84	1.72	154.0
6-30	67.0	3.23	2.08	216.0	9- 8	54.4	2.84	1.72	154.0
7-11	46.0	3.08	1.44	141.3	9-20	35.2	3.06	1.19	107.5
7-11	45.0	3.10	1.44	139.7					

GERING CANAL—A-365
 Diverted from North Platte River—NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-22-55 W.
 Measurement made at rating flume, bad lands, upper station

10- 6	52.0	2.65		138.0	6-23	106.0	2.35	2.60	249.0
5- 2	53.0	1.65	0.78	87.3	6-29	87.0	2.14	1.98	186.0
5-22	49.8	1.54	.64	76.6	7-12	60.9	1.76	1.02	107.3
5-31	63.0	1.84	1.18	116.0	8-10	73.9	2.02	1.50	149.0

GERING CANAL—A-365
 Diverted from North Platte River—Sec. 29-22-55 W.
 Measurement made at bad lands, lower gaging station

5- 2	32.6	1.58	1.18	51.5	5-31			1.18	115.8
5-22	32.0	1.46	1.12	46.6					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

GOTHENBURG DIVERSION CANAL—D-645a-645b
 Diverted from Platte River—Sec. 29-12-26 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-31	88.0	3.48	2.20	307.0	7- 6	120.0	3.40	3.00	409.0
11-29	40.0	4.00	1.00	160.0	7-11	116.0	3.20	2.91	373.0
1- 4	75.2	2.30	2.30	173.0	7-21	88.0	3.27	2.15	289.0
1-26	88.0	2.12	2.20	186.0	7-24	104.0	3.16	2.55	329.0
2-17	66.0	2.14	2.60	141.0	8- 1	72.0	3.03	1.78	218.0
3-16	48.0	3.90	1.20	188.0	8- 4	116.0	3.35	2.80	388.0
4-14	52.0	3.72	1.26	193.0	8-11	124.0	3.39	3.06	420.0
5- 5	64.0	3.25	1.60	208.0	8-15	108.0	3.38	2.61	358.0
6- 7	60.0	3.19	1.48	191.0	9- 4	68.0	3.05	1.70	207.0
6-16	60.0	3.37	1.50	202.0	9-18	80.0	3.07	2.02	246.0
6-20	48.0	3.50	1.15	168.0					

GOTHENBURG IRRIGATION CANAL—D-645b
 Diverted from Platte River—Sec. 29-12-26 W.
 Measurement made at rating flume

11- 1	77.0	2.02	3.68	155.0	7-24	65.0	1.79	3.45	116.4
5- 5	23.7	1.44	2.10	34.1	8- 1			2.20	7.3
6- 7	22.0	1.76	1.82	38.8	8- 4	93.2	1.95	4.15	181.6
6-16	36.9	1.53	2.51	56.6	8-11	105.0	2.32	4.65	244.2
6-20	47.2	1.77	3.00	83.4	8-15	74.5	2.05	3.55	152.9
7- 6	77.4	2.60	4.15	201.1	9- 4	32.5	1.22	1.72	39.7
7-11	93.4	2.10	4.25	196.4	9-18	51.2	1.03	2.55	52.7
7-21	58.4	1.44	2.85	84.3					

GOTHENBURG IRRIGATION CANAL (LATERAL)—D-645b
 Diverted from Platte River—Sec. 29-12-26 W.
 Measurement made above rating flume

7- 6	4.3	1.49		6.4	8- 4	5.3	1.28		6.8
7-11	3.7	1.03		3.8	8-15	3.0	1.10		3.8
7-21	2.1	.67		1.4					

GRAF CANAL—D-788
 Diverted from Blue Creek—Sec. 19-16-42 W.
 Measurement made at rating flume

5-10			0.40	0.5	7-27	15.9	1.54	1.90	24.5
6- 2	9.9	1.41	1.45	14.0	8- 5	19.3	1.37	2.30	26.5
6-13	8.1	1.38	1.28	11.2	8- 8	17.8	1.33	2.21	23.7
6-23	14.2	1.40	1.85	19.9	8-18	13.1	1.15	1.66	15.1
7-14	10.4	1.39	1.43	14.5	8-31	2.3	.39	.61	.9
7-18	12.8	1.13	1.65	14.5					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

HAIGLER CANAL—D-1025

Diverted from Republican River—Sec. 2-1-43 W.
Measurement made at Colorado-Nebraska Line

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
11- 4	12.4	1.24	1.30	15.4	4-19	22.9	1.32	2.30	30.2

HALL CANAL—D-478

Diverted from White River—Sec. 34-32-52 W.
Measurement made below headgate

10-17	10.4	0.77	1.43	8.0	7- 1	8.4	1.27	1.22	10.7
5-29	9.2	1.07	1.32	9.9	7- 4	10.3	1.06	1.30	11.9

HANEY CANAL—D-699, D-719

Diverted from Lonergan Creek—Sec. 17-15-39 W.

10-28	4.4	1.08	1.20	4.7	7-14	4.4	1.87	1.20	8.3
4-11	1.9	.90		1.7	7-19	3.4	1.35	.92	4.6
5-10	1.0	.50	.45	.5	7-27	3.4	1.20	.93	4.1
5-19	1.4	1.14	.45	1.6	8- 8	4.1	1.53	1.10	6.3
6- 3	3.7	1.95	.95	7.2	8-31	3.0	1.33	.88	4.0
6-13	3.4	1.38	.88	4.7	9-14	1.4	1.21	.72	1.7
6-22	3.3	1.40	.88	4.6					

HANNAH CANAL—D-886

Diverted from North Platte River—Sec. 29-18-47 W.
Measurement made at rating flume

7- 6	4.0	0.75	0.54	3.0	7-17	1.8	0.83	0.30	1.5
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HARRIS-COOPER CANAL—D-464a, D-464b, D-464c
Diverted from White River—Sec. 26-32-52 W.

10-17	4.6	1.10		5.0					
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HARRIS-NEECE CANAL—D-517

Diverted from Niobrara River—Sec. 3-28-55 W.
Measurement made at headgate

10-15	6.7	1.82	1.32	12.2	7- 3	4.6	1.28	0.94	5.9
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HARTZELL CANAL—D-448

Diverted from Little Bordeaux Creek—Sec. 13-33-48 W.
Measurement made below headgate

11-19	1.1	1.46		1.6	8-25	0.5	0.56		0.3
4-27	.2	1.00		.2	9-30	.7	.35		.3
6-30	.9	1.00		.9					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

**HOLLINGSWORTH CANAL—D-723
Diverted from South Platte River—Sec. 12-13-39 W.
Measurement made at rating flume**

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-29	2.7	0.82	1.10	2.2	6-21	2.9	0.90	1.15	2.6
6-14	.8	.62	1.00	.5					

**HOLLOWAY-PHELPS CANAL—D-717
Diverted from White Tail Creek—Sec. 36-15-38 W.
Measurement made below diversion dam**

7-13	2.1	1.95	1.00	4.1	7-19	1.4	1.36	1.02	1.9
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**HOOPER CANAL—D-781, D-788
Diverted from Blue Creek—Sec. 6-16-42 W.
Measurement made at rating flume**

10-28	2.5	1.28	0.60	3.2	7-14	7.0	2.01	1.33	14.1
4-11	8.2	2.37	1.65	19.4	7-18	8.0	2.25	1.55	18.0
5-10	3.5	1.00	.70	3.5	7-27	6.0	1.82	1.19	10.9
5-19	1.5	.47	.40	.7	8- 5	6.5	1.86	1.25	12.1
6- 2	8.0	2.25	1.60	18.0	8- 8	7.2	1.68	1.21	12.1
6- 8	8.0	2.31	1.60	18.5	8-18	6.5	2.14	1.25	13.9
6-13	8.5	2.35	1.63	20.0	8-31	3.0	.70	.60	2.1
6-23	6.8	2.08	1.30	13.9	9-13	6.5	1.95	1.29	12.7

**HOOVER CANAL—D-353
Diverted from Lodgepole Creek—Sec. 12-14-59 W.
Measurement made below headgate**

5-19	2.0	0.70		1.4	7- 7	2.5	1.04	0.75	2.6
6- 9	1.5	.93		1.4	8- 8	3.0	.66	.85	2.0
6-20	2.3	.78	0.90	1.8					

**HURLEY-LILLY-POLLY CANAL—D-354
Diverted from Lodgepole Creek—Sec. 26-15-56 W.
Measurement made at rating flume**

4- 7	5.3	0.91	1.08	4.8	7- 8	4.2	0.69	0.90	2.9
6-10	4.2	.98	.40	4.1	8- 8	4.1	1.33	.92	3.0
6-20	3.5	.83	.75	2.9					

**INDEPENDENT CANAL—D-343
Diverted from Lodgepole Creek—Sec. 7-14-58 W.
Measurement made at headgate**

6- 9	2.8	1.17	0.60	3.3	7- 7	3.3	1.09	0.25	3.6
6-20	2.9	1.03		3.0	8- 8	1.8	.17	.05	.3

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

INMAN CANAL—D-79

Diverted from Frenchman River—Sec. 17-6-40 W.
 Measurement made at headgate

DATE	AREA OF SECTION	MEAN VELOCITY	DIS-		DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
			GAGE HEIGHT	CHARGE SEC.-FT.					
11- 5	6.7	0.36		2.4	6-15	10.3	0.65	1.55	6.7
5- 5	14.8	.31		4.6	8-11	7.7	.45	1.55	3.5

JENKINS CANAL—A-924

Diverted from Buffalo Creek—Sec. 18-1-40 W.

4-19	4.4	1.04		4.6					
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KEARNEY CANAL—D-1023

Diverted from Platte River—Sec. 34-9-17 W.
 Measurement made at Odessa

11- 2	181.0	2.32	5.80	420.0	6-19	41.7	1.34	2.95	55.9
11-30	138.0	2.22	5.15	307.0	7- 7	25.8	1.17	2.58	30.3
1- 3	65.0	6.50	6.05	421.0	7-10	44.0	1.33	3.02	58.6
1-24	136.0	2.00	4.95	272.0	7-22	28.2	1.30	2.64	36.8
2-18	165.0	1.53	6.63	253.0	7-24	26.8	1.16	2.59	31.1
3-17	142.0	2.18	5.00	311.0	8- 2	6.9	.78	2.20	5.4
4-15	168.0	2.30	5.70	384.8	8- 3	7.3	1.04	2.18	7.6
5- 4	177.0	2.32	5.90	410.8	8-12	42.0	1.32	2.85	55.7
5-15	149.0	2.47	5.54	367.8	8-14	40.7	1.26	2.84	52.8
6- 8	159.0	2.24	5.38	356.0	9- 5	190.0	2.22	6.11	425.6
6-17	99.3	1.84	4.25	182.4	9-19	178.0	2.12	5.80	377.0

KEITH-LINCOLN COUNTY CANAL—D-722

Diverted from North Platte River—Sec. 18-14-36 W.
 Measurement made at rating flume

4-12	31.6	1.98	1.00	62.7	7-20	43.0	2.14	1.40	92.2
5-18	22.6	1.83	.78	41.4	7-26	48.0	2.20	1.55	105.8
6- 5	32.8	1.96	.95	64.5	8- 9	45.0	2.26	1.43	101.6
6-14	33.0	2.14	1.10	70.8	8-17	38.5	2.20	1.30	84.7
6-21	45.0	2.31	1.45	103.4	9-15	24.0	1.25	.75	30.0
7-13	45.0	2.15	1.45	96.6					

KENT-BURKE CANAL—D-636

Diverted from Pawnee Creek—Sec. 13-13-28 W.
 Measurement made at rating flume

6-16	1.2	0.68	0.10	0.8	7- 6	2.9	1.17	0.35	3.4
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KEYSTONE CANAL—A-662b, A-843, A-1003

Diverted from White Tail Creek—Sec. 26-15-38 W.
 Measurement made at headgate

7-12	3.9	2.26	1.35	8.8	7-19	3.5	1.57	2.20	5.5
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**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

KILPATRICK CANAL—A-57

Diverted from Frenchman River—Sec. 4-7-38 W.
Measurement made at culvert $\frac{1}{4}$ mile below headgate

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
6-24				1.5					

**KIMBALL IRRIGATION DISTRICT CANAL, NORTH BRANCH—
A-897**

Diverted from Lodgepole Creek—Sec. 36-15-57 W.

6-20	14.0	1.54	2.72	21.6	8-8	7.7	1.06	1.70	8.2
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**KIMBALL IRRIGATION DISTRICT CANAL, SOUTH BRANCH—
A-897**

Diverted from Lodgepole Creek—Sec. 36-15-57 W.

6-20	13.5	2.55	2.60	34.5	8-8	14.9	2.44	2.80	36.4
7-8	15.4	2.78	2.95	42.8					

**KINNEY CANAL NO. 1—D-348, A-718
Diverted from Lodgepole Creek—Sec. 33-15-56 W.
Measurement made at the headgate**

7-8	2.6	1.65	0.70	4.3	9-5	2.6	1.65	0.70	2.5
8-8	1.9	1.30	.70	2.5					

**KNIGHT (MILLER) CANAL—D-740
Diverted from Skunk Creek—Sec. 1-14-37 W.
Measurement made at headgate**

6-3	1.0	1.40		1.4	6-22	0.9	0.88		0.8
6-14	.9	1.00		.9	8-9	.6	1.16		.7

**KREUGER CANAL NO. 1—D-325
Diverted from Lodgepole Creek—Sec. 29-14-48 W.
Measurement made at headgate**

3-20	4.2	1.16		4.9	6-11				3.3
4-5	5.6	.80		4.5	8-9				2.9

**KREUGER CANAL NO. 3—D-323
Diverted from Lodgepole Creek—Sec. 32-14-48 W.
Measurement made at headgate**

3-20		2.0	1.35	2.7	7-10				3.0
6-11				3.0					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

LABELLE CANAL—A-60, D-518
Diverted from Niobrara River—Sec. 6-28-54 W.
Measurement made at headgate

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-15	2.0	4.75	0.50	9.5	7- 3	2.0	2.40	0.40	4.8

LAKOTAH CANAL—D-554
Diverted from Niobrara River—Sec. 1-30-57 W.
Measurement made at headgate

10-15	7.6	0.87		6.6	7- 3	8.0	0.22		1.8
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LAST CHANCE CANAL—D-883
Diverted from Pumpkinseed Creek—Sec. 27-19-50 W.
Measurement from rating flume

4-15	1.1	1.00	0.27	1.1	8-16	3.3	1.66	0.78	5.5
5-17	3.5	.83	.81	3.0	9-22	4.7	2.00	1.10	9.4
6-29			.10	.5					

LICHTE CANAL—D-479
Diverted from Niobrara River—Sec. 27-29-48 W.
Measurement made at headgate

10-14	5.6	1.88		10.5	7- 4	6.0	1.56		9.4
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LISCO CANAL—D-856, D-787, A-243, A-991
Diverted from North Platte River—Sec. 24-18-47 W.
Measurement made at 40-foot weir

10- 8			0.20	12.0	7-28			0.62	65.3
4-10			.50	47.6	8- 5			.31	23.2
6-23			.45	40.0	8- 7			.32	24.4
7-15			.35	28.0	8-19			.57	58.0
7-17			.35	27.8					

LOGAN CANAL—D-902
Diverted from North Platte River—Sec. 7-19-55 W.

6-19	1.9	1.37	0.60	2.6					
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LYONS CANAL—D-803
Diverted from North Platte River—Sec. 30-17-44 W.
Measurement made at rating flume

6-14	13.4	0.58	1.15	7.8	7-14			0.35	1.0
6-23	15.5	1.27	1.32	19.7	7-28	16.0	1.00	1.35	16.1

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

McCARTHY CANAL—D-749

Diverted from White Tail Creek—Sec. 36-15-38 W.
 Measurement made at headgate

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
6- 3	1.0	0.82		0.8	7-13	0.5	0.80		0.4
6-14	.5	.60		.3	7-19	1.1	.73		.8
6-22	1.0	.66		.7	8- 9	.6	.93		.6

McFARLAND CANAL—D-960

Diverted from White Clay Creek—Sec. 35-32-52 W.
 Measurement made at 2-foot weir

10-17			0.35	1.4	7- 1			0.15	0.4
5-29			.10	.2					

McGINLEY-STOVER CANAL (NORTH)—D-513a

Diverted from Niobrara River—Sec. 25-29-56 W.

7- 3	7.4	1.16		8.6					
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McGINLEY-STOVER CANAL (SOUTH)—D-513b

Diverted from Niobrara River—Sec. 25-29-56 W.

10-15	5.0	1.44		7.2	7- 3				0.5
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McINTOSH CANAL—D-351

Diverted from Lodgepole Creek—Sec. 29-15-55 W.
 Measurement made at headgate

6-21	1.6	1.44	0.50	2.3	8- 7	2.5	1.44	0.60	3.6
7- 8	1.6	1.25	.60	2.0					

McLAUGHLIN CANAL—D-566

Diverted from Niobrara River—Sec. 9-28-52 W.
 Measurement made at headgate

10-15	10.2	0.46	1.70	4.7	9- 3	9.1	0.28	1.64	2.6
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MARANVILLE CANAL—D-70, D-71

Diverted from Frenchman River—Sec. 12-6-41 W.
 Measurement made at headgate

10- 6	6.6	1.97	1.90	1.3	6-15	9.0	0.25	2.92	2.3
4-20	5.4	1.35	2.25	7.3	6-23	8.6	.25	2.95	2.2
5- 5	7.5	.50		3.8	7-12	8.2	.27	2.70	2.2
5-23			1.70	1.0	8-11	3.0	.55	2.65	1.6

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

MEEKER CANAL—D-4, D-7, D-8, D-9
 Diverted from Republican River—Sec. 15-3-31 W.
 Measurement made at rating flume

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 4	12.1	1.15	1.35	14.0	6-26	21.0	1.73	1.93	36.5
11- 3	14.4	1.44	1.65	20.8	7-15	22.2	1.96	2.30	43.6
5- 6	19.5	1.03	1.55	20.0	7-25	16.7	1.77	1.80	29.6
6-13	18.4	1.76	1.88	32.5	8-13	17.1	1.45	1.73	24.9
6-24	17.1	2.12	1.75	36.4					

MEGLEMRE CANAL—A-294, A-853
 Diverted from Greenwood Creek—Sec. NE $\frac{1}{4}$ SW $\frac{1}{4}$ 3-18-50 W.
 Measurement made at rating flume

8- 3	1.2	1.00	0.22	1.2	8- 3	1.3	1.15		1.5
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MEREDITH-AMMER CANAL—D-876
 Diverted from Pumpkinseed Creek—Sec. 23-19-50 W.
 Measurement made at rating flume

6-19	4.0	2.25	0.60	9.0	7-27	3.0	2.43	0.50	7.3
6-29	3.0	2.66	.52	8.0	8-16	3.9	2.21	.68	8.6
7-10	4.0	2.15	.60	8.6	9-22	10.2	1.71	.44	4.1

MERIDIAN CANAL—D-459, A-469
 Diverted from Niobrara River—Sec. 25-29-50 W.
 Measurement made at headgate

10-14	6.7	1.22	2.10	8.2	7- 4	6.4	1.29		8.3
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METTLEN CANAL—A-292, A-1248
 Diverted from Niobrara River—Sec. 4-28-54 W.
 Measurement made at headgate

7- 3			0.85	1.0					
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MIDLAND-OVERLAND CANAL
MIDLAND—D-789, OVERLAND—D-791
 Diverted from North Platte River—Sec. 2-16-44 W.
 Measurement made at rating flume

5-19			0.10	2.5	7-18	12.2	1.80	1.52	22.0
6- 2	7.6	1.49	.90	11.3	7-28	8.9	1.76	1.03	15.6
6-12	8.4	1.77	1.05	14.9	8- 8	7.9	1.71	1.00	13.5
6-19	5.8	2.14	.73	12.4	8-31	1.9	1.05	.23	2.0
6-23	9.6	1.95	1.30	18.7	9-13	6.2	1.40	.70	8.7
7-14	7.7	1.66	.90	12.8					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

MILLER CANAL (EAST BRANCH)—D-740
 Diverted from Skunk Creek—Sec. 1-14-37 W.
 Measurement made at headgate

DATE	AREA OF SECTION	MEAN VELOCITY	DIS-		DATE	AREA OF SECTION	MEAN VELOCITY	DIS-	
			GAGE HEIGHT	CHARGE SEC.-FT.				GAGE HEIGHT	CHARGE SEC.-FT.
6-14	1.1	1.27		1.4	7-19	2.4	0.95		2.3
6-22	1.0	1.00		1.0	8-9	.4	.30		.1
7-12	1.5	.55		.8					

MINATARE CANAL—D-919
 Diverted from North Platte River—Sec. 32-22-54 W.
 Measurement made at rating flume

6-1	10.0	0.70	0.00	7.0	7-31	44.3	1.64	1.36	72.6
6-16	55.0	1.38	1.60	76.0	8-12	46.9	1.65	1.42	77.6
7-1	49.0	1.53	1.45	75.0	8-23	37.9	1.67	1.16	63.5
7-12	55.9	1.81	1.82	101.3	9-23	16.6	1.11	.20	18.5

MITCHELL CANAL—D-304
 Diverted from Lodgepole Creek—Sec. 8-14-51 W.
 Measurement made 100 feet below headgate

7-8	2.6	0.27		0.7					
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MONTAGUE CANAL—A-575
 Diverted from Niobrara River—Sec. 27-29-48 W.
 Measurement made at headgate

7-4	1.7	0.47		0.8					
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MONTGOMERY CANAL—D-559
 Diverted from Sow Belly Creek—Sec. 21-33-55 W.
 Measurement made at headgate

11-18	0.2	0.27	0.21	0.1					
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MOORE CANAL—A-88
 Diverted from Niobrara River—Sec. 9-29-53 W.
 Measurement made at headgate

10-15	2.7	2.20	0.45	5.9	7-3	3.3	1.72	0.40	5.7
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MUTUAL CANAL—D-843
 Diverted from Pumpkinseed Creek—Sec. 33-19-52 W.
 Measurement made at rating flume

10-10	8.5	0.70	2.24	6.0	7-10	6.7	0.75	2.30	5.0
11-9	5.3	.58	1.87	3.1	7-27	6.3	.35	2.24	2.2
6-19	5.0	.80	1.96	4.0	8-4	3.3	.91	1.00	3.0
6-29	6.0	.83	2.20	5.0					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

NASLAND CANAL—A-661

Diverted from Lodgepole Creek—Sec. 1-12-45 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4- 5	1.8	1.61		2.9					

NEUMAN CANAL—A-611, A-1445

Diverted from Lodgepole Creek—Sec. 26-13-45 W.

Measurement made at headgate

7-29	3.3	0.42		1.4	8-16	2.0	0.15		0.3
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NEUMAN CANAL—A-565

Diverted from Lodgepole Creek—NW $\frac{1}{4}$ Sec. 36-13-45 W.

Measurement made at headgate

8-16	0.8	0.37		0.3					
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NINE MILE CANAL—D-925

Diverted from North Platte River—Sec. 16-21-53 W.

Measurement made at rating flume

10- 6	21.0	1.42	1.65	29.8	7-27	29.5	1.56	1.98	46.1
6- 2	15.0	1.42	1.33	16.0	8- 4	34.1	1.93	2.38	65.9
6-19	36.0	2.17	2.56	78.0	8-14	24.3	1.54	1.84	37.6
7- 1	42.0	2.02	2.75	86.0	8-24	33.0	2.01	2.32	66.2
7-13	27.5	1.45	1.96	39.9	9-23	25.8	1.43	1.88	36.9

NISSEN CANAL—A-606

Diverted from Sand Creek—Sec. 10-15-40 W.

Measurement made below diversion dam

4-11	2.1	1.57		3.3	6-22	0.8	0.75	0.56	0.6
5-10	.6	.70	0.85	.5	7-14	1.3	1.38	.85	1.8
5-19	.5	.40	.80	.2	7-19	1.4	1.27	.86	1.8
6- 3	1.5	.96	.90	1.4	7-27	1.5	1.33	.89	2.0
6-13	1.6	1.18	.85	1.9					

NISSEN CANAL (WEST SIDE DITCH)

Diverted from Sand Creek—Sec. 10-15-40 W.

7-14	0.2	0.50		0.1	7-27	0.3	0.30		0.1
7-19	.3	1.10		.3					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1938

NORTH PLATTE CANAL—D-635
 Diverted from North Platte River—Sec. 13-14-34 W.
 Measurement made at rating flume

DATE	AREA OF SECTION	MEAN VELOCITY	DIS-CHARGE		DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
			GAGE HEIGHT	SEC.-FT.					
4-12	56.2	2.86	1.80	161.0	8- 9	63.0	2.80	2.05	177.0
6- 5	72.0	2.47	2.40	197.0	8-17	63.0	2.57	2.08	162.0
6-14	66.0	2.49	2.12	165.0	8-18	67.6	2.83	2.13	191.0
6-21	66.0	2.63	2.20	173.0	8-18	67.6	2.72	2.13	184.0
7-13	75.0	2.87	2.47	216.0	9- 1	36.0	2.08	1.11	75.0
7-20	75.0	2.85	2.43	213.0	9-15	48.0	2.32	1.60	111.0
7-26	75.0	2.96	2.42	222.0					

NORTHPORT CANAL—A-768
 Diverted from North Platte River—Sec. 14-21-51 W.
 Measurement made at Red Willow rating flume

6- 2	56.0	1.95	1.54	109.0	7-26	93.1	2.58	2.54	239.0
7- 3	80.0	2.34	2.22	188.0	8-24	36.1	6.86	2.58	247.0

NORTH RIVER CANAL—D-787, A-243
 Diverted from North Platte River—Sec. 14-18-47 W.
 Measurement made at 40-foot weir

6-12			0.03	4.0	7-28			0.30	22.1
6-23			.46	42.0	8- 5			.27	18.9
7-15			.27	18.9	8- 7			.27	18.9
7-17			.26	18.9	8-19			.46	42.1

OASIS CANAL (NORTH)—D-567
 Diverted from Snake Creek—Sec. 6-24-51 W.
 Measurement made below Kilpatrick Reservoir

6-26	3.1	1.32		4.1					
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OASIS CANAL (SOUTH)—D-567
 Diverted from Snake Creek—Sec. 6-24-51 W.
 Measurement made out of Kilpatrick Reservoir

6-26	4.0	1.55		6.2					
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ORCHARD-ALFALFA CANAL—D-627
 Diverted from Platte River—Sec. 9-10-24 W.
 Measurement made at rating flume

11- 1	30.4	1.25	1.80	38.0	7-25	47.8	2.04	3.05	97.6
5-13	26.1	1.41	1.10	36.9	8-15	56.1	1.92	3.50	107.9
6-16	17.1	1.20	1.00	20.6	9- 4	28.6	1.44	1.75	40.6
6-19	14.6	.80	.73	11.7	9-18	20.6	1.43	1.12	29.5
7-10	42.8	1.90	2.75	81.3					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

OSHKOSH CANAL—D-797, A-243

Diverted from North Platte River—Sec. 33-17-44 W.
 Measurement made at rating flume

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
6-18	15.0	0.31	1.39	4.6	7-28	22.0	0.73	2.10	16.0
6-23	23.5	.45	2.00	10.7	8-19	18.3	.60	1.64	11.0

OTTER CREEK CANAL—A-1198

Diverted from Otter Creek—Sec. 5-15-40 W.
 Measurement made below headgate

4-11	3.8	1.29	0.70	4.9	7-14	3.8	1.42	0.64	5.4
6- 3	6.0	1.48	1.16	8.9	7-19	3.3	1.18	.62	3.9
6-13	3.4	1.09	.63	3.7	7-27	2.7	1.26	.61	3.4
6-22	2.9	1.10	.68	3.2	8- 8	3.3	1.18	.66	3.9

OWASCO CANAL—D-347

Diverted from Lodgepole Creek—Sec. 29-15-55 W.
 Measurement made at rating flume

5-20	4.4	2.78	0.55	12.2	7- 7	3.0	1.57	0.35	4.7
6-10	2.8	1.60	.35	4.5	8- 8	3.1	1.61	.42	5.0
6-21	6.8	.78	.32	5.3					

OX YOKE CANAL—D-447

Diverted from East Branch of Ash Creek—Sec. 31-32-50 W.

6-30	1.2	0.42		0.5					
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PAISLEY CANAL—A-515, D-800

Diverted from Blue Creek—Sec. 28-17-42 W.
 Measurement made at rating flume

10-28	8.1	0.78	1.35	6.3	7-18	1.6	0.69	0.17	1.1
5-10	4.0	1.27	.50	5.1	7-27	7.8	1.45	.95	11.3
5-19	4.8	1.25	.58	6.0	8- 5	10.9	1.51	1.30	16.5
6- 2	8.0	1.39	.96	11.1	8- 8	9.1	1.24	1.13	11.3
6- 8	11.5	1.64	1.25	18.8	8-18	11.8	1.23	1.45	14.5
6-13	9.6	1.36	1.21	13.1	9-13	3.6	.86	.45	3.1
6-23	11.2	1.22	1.38	13.7					

PARKS CANAL—A-1202, A-1444, A-1555

Diverted from Republican River—Sec. 20-1-39 W.
 Measurement made at headgate

10- 4	4.0	1.12		4.5	7-17	5.2	1.42		7.4
6-26	5.7	.56		3.2	7-26	3.9	.92		3.6

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

**PATRICK CANAL—D-725
Diverted from Sand Creek—Sec. 10-15-40 W.
Measurement made below dam**

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
6-22	0.6	1.50	0.80	0.9	7-14	0.2	0.53	0.53	0.1

**PAXTON-HERSHEY CANAL—D-653
Diverted from North Platte River—Sec. 18-14-33 W.
Measurement made at rating flume**

4-12	12.6	2.56	0.70	44.9	7-20	32.4	3.22	1.65	104.4
5-18	16.2	2.88	.90	46.8	7-26	28.8	2.71	1.50	78.0
6- 5	9.0	2.43	.50	21.9	8- 9	23.4	2.83	1.24	66.3
6-14	21.6	3.32	1.15	71.9	8-17	23.4	3.09	1.20	72.3
6-21	32.4	3.24	1.76	105.5	9- 1	16.2	3.50	.85	56.8
7-13	32.4	3.30	1.65	107.2	9-15	14.4	3.32	.70	47.9

**PERSINGER CANAL—D-297
Diverted from Lodgepole Creek—Sec. 33-14-46 W.
Measurement made at headgate**

7-29	1.0	1.40		1.4	8-16	2.4	0.67		1.6
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**PIONEER CANAL (NORTH)—D-442a
Diverted from Niobrara River—Sec. 36-29-51 W.
Measurement made at headgate**

7- 4	7.5	0.68		5.1					
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**PIONEER CANAL (SOUTH)—D-442b
Diverted from Niobrara River—Sec. 31-29-50 W.**

10- 4	14.8	1.21	1.60	17.9	10-14	8.8	0.83		7.3
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**PORTER CANAL—D-171
Diverted from Buffalo Creek—Sec. 1-1-41 W.
Measurement made at headgate**

7-26	1.4	0.86		1.2					
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**PREMIER CANAL—D-340
Diverted from Lodgepole Creek—Sec. 3-14-58 W.
Measurement made at headgate**

6-10	2.6	1.77	0.70	4.6	7- 7	1.8	1.53	0.53	2.8
6-20	1.8	1.90	.60	3.4					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

RAMSHORN CANAL—D-945

Diverter from North Platte River—Sec. 13-23-28 W.
Measurement made at rating flume

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE		DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE	
				SEC.-FT.						SEC.-FT.	
5-22	12.8	0.73	0.30	9.4		7-11	37.0	0.70	1.25	25.8	
6- 6	20.0	1.30	.80	26.0		8- 2	45.4	.61	1.65	27.7	
6-15	36.0	.66	1.50	24.0		8-11	43.2	.54	1.55	23.3	
6-22			.40	3.0		8-22	35.6	.71	1.39	25.3	
6-30	30.0	.77	1.10	23.0							

RASHER CANAL—D-467, A-456, A-534

Diverter from White River—Sec. 19-32-51 W.
Measurement made at headgate

7- 1	1.2	0.83		1.0		7- 4	1.5	1.27	0.92	1.9	
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RIVERSIDE CANAL—D-18

Diverter from Frenchman River—Sec. 33-4-32 W.

10- 5	12.7	1.56		19.9		6-14	18.8	1.02	1.60	19.2	
11- 4	12.6	1.48		18.7		6-24	11.9	1.51	2.25	18.0	
12- 5	13.7	1.29		17.7		7-15	11.9	1.33	2.15	15.8	
2-23	9.8	.67		6.6		8-13	11.5	1.25	1.00	14.5	
4-19	9.3	.95		8.8		9-10	11.7	1.22	1.22	8.8	
5- 6	11.6	1.27	1.80	14.7							

ROUND HOUSE ROCK CANAL—D-884

Diverter from Pumpkinseed Creek—Sec. 28-19-51 W.
Measurement made at rating flume

6-29	2.0	0.50	0.65	1.0		8- 4	2.0	1.45	0.80	2.9	
7-10	1.8	1.00	.67	1.8							

RUSH CREEK CANAL—D-802

Diverter from North Platte River—Sec. 20-14-50 W.
Measurement made at rating flume

10- 8	9.5	0.80	1.82	7.6		7-17	8.7	0.93	1.30	8.1	
6-19	9.1	1.16	1.46	10.5		8-30	4.5	.93	.80	4.2	

SHALLENBERGER CANAL—A-1487

Diverter from Frenchman River—Sec. 25-6-39 W.
Measurement made at headgate

8-12	1.9	0.47		0.9							
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**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

SHERIDAN-WILSON CANAL—D-710

Diverted from North Platte River—Sec. 20-14-35 W.

DATE	AREA OF SECTION	MEAN VELOCITY	DIS-CHARGE		DATE	AREA OF SECTION	MEAN VELOCITY	DIS-CHARGE	
			GAGE HEIGHT	SEC.-FT.				GAGE HEIGHT	SEC.-FT.
6-5	8.3	1.31	0.90	10.9	7-20	9.3	1.41	1.02	13.1
6-14	20.4	1.30	1.55	26.5	7-26	5.2	1.21	.88	6.3
6-21	12.1	1.39	1.14	16.8	8-9	8.3	1.32	1.08	11.0
7-13			.95	8.1	8-17	4.4	1.43	.90	6.3

SHORT LINE CANAL—D-946

Diverted from North Platte River—Sec. 25-21-53 W.

Measurement made at headgate

6-8	17.0	1.42	1.55	25.0	7-27	19.5	0.84	1.16	16.4
6-19	26.0	2.00	1.77	52.0	8-14	26.7	1.01	2.09	26.9
7-1	24.0	1.66	1.49	40.0	8-24	25.1	.80	2.05	20.1
7-13	22.3	1.51	1.48	33.7					

SIGNAL BLUFF CANAL—D-807

Diverted from North Platte River—Sec. 16-16-43 W.

Measurement made at rating flume

6-1	4.9	1.02	1.90	5.0	7-28	2.7	0.60	1.72	1.6
6-12	7.8	1.07	2.20	8.4	8-19	3.9	.80	1.90	3.1
6-23	10.2	.48	2.33	4.9					

SIX MILE CANAL—D-680

Diverted from Platte River—Sec. 11-11-26 W.

Measurement made at rating flume

5-5	17.4	1.91	2.00	33.3	7-10	15.1	1.65	1.80	25.0
5-13	10.0	1.25	1.02	12.5	7-22	13.0	1.39	1.58	18.1
5-16	1.6	1.12	.30	1.8	7-25	14.8	1.46	1.80	21.7
6-7			.00	.5	8-11	6.8	1.10		7.5
7-7	14.1	1.23	1.58	17.4	8-15	2.9	.76	.45	2.2

SOLDIER CREEK CANAL

Diverted from Soldier Creek—Sec. 18-31-52 W.

4-29	1.9	1.37		2.6	7-1	1.9	2.26		4.3
5-30	1.9	1.53		2.9					

SPOHN CANAL—D-801

Diverted from North Platte River—Sec. 13-17-45 W.

Measurement made at rating flume

5-9	10.6	1.54	1.65	16.3	7-28	6.8	0.78	0.95	5.3
6-1	3.7	.24	.52	.9	8-7	1.9	.67	.48	1.3
6-23	11.8	.55	1.43	6.5	8-30			.33	1.5
7-15			.65	1.0					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

**STAFFORD CANAL—A-2114
Diverted from Willow Creek—Sec. 15-14-35 W.**

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
7-13				2.0	7-20				1.3

**STEWART BROTHERS CANAL (NORTH SIDE)—A-8
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.**

4-28	3.0	1.80		5.4	5-29	2.8	1.50		4.2
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**SUBURBAN CANAL—D-662
Diverted from North Platte River—Sec. 12-14-33 W.
Measurement made at rating flume**

10-29	13.0	2.12	0.80	27.6	7-20	37.9	2.74	1.90	103.7
5-18	13.4	3.18	.80	42.7	7-26	38.7	2.78	1.95	107.4
6- 5	18.9	2.58	1.10	48.7	8-10	34.2	2.68	1.70	91.8
6-14	24.3	2.36	1.30	57.6	8-16	25.5	2.04	1.35	52.1
6-21	25.5	2.50	1.36	63.4	9- 1	15.1	2.62	1.00	39.6
7-12	7.6	1.30	.60	9.9	9-15	23.3	2.69	1.32	62.3

**THIRTY MILE CANAL—A-1853, A-1976
Diverted from Platte River—Sec. 30-12-26 W.
Measurement made at rating flume**

10-31	72.1	3.39	3.62	233.9	7- 6				2.0
4-14	48.0	2.88	2.40	138.0	7-11	76.0	3.60	3.80	270.0
5- 5	55.0	2.62	2.75	144.0	7-21				2.0
5-16	21.0	2.70	1.05	57.0	8-15	64.0	3.45	3.17	220.0
6- 7	22.0	3.15	1.12	69.0	9- 4	90.0	3.60	4.51	324.0
6-16	46.0	3.61	2.30	166.0	9-18	58.0	3.47	2.90	201.0
6-20	46.0	3.14	2.32	144.0					

**THOMAS CANAL—A-2057
Diverted from East Ash Creek—Sec. 19-32-50 W.**

11-15	1.7	0.32		0.5	6-30	1.5	0.23		0.4
4-28	2.2	1.36		3.0					

**THOMAS CANAL—A-1748
Diverted from Big Bordeaux Creek—Sec. 34-34-48 W.**

6-30	1.2	0.62		0.7					
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**TRACY CANAL—A-870
Diverted from Lodgepole Creek—Sec. 12-14-59 W.**

10-11	2.3	0.32		0.7	6-20	2.5	0.36	1.00	0.9
6- 9	3.3	.76	1.10	2.5					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

TRI-STATE CANAL—D-918, A-660
 Diverted from North Platte River—Sec. 3-23-58 W.
 Measurement made at gaging station

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5-11	22.0	1.34	1.40	30.1	7-20	416.0	2.55	7.84	1060.0
5-30	309.0	2.38	6.00	736.0	7-26	420.0	2.57	7.90	1080.0
6- 7	378.0	2.64	7.26	996.0	8- 2	427.0	2.55	7.94	1090.0
6-13	400.0	2.68	7.71	1070.0	8-11	407.0	2.55	7.76	1040.0
6-22	430.0	2.65	8.05	1140.0	8-22	400.0	2.55	7.66	1020.0
6-30	416.0	2.70	8.07	1150.0	9- 8	387.0	2.53	7.50	980.0
7-11	432.0	2.57	7.94	1110.0	9-20	313.0	2.38	6.28	746.0
7-20	418.0	2.60	7.87	1060.0					

TRI-STATE CANAL (LATERAL NO. 1)—D-918
 Diverted from North Platte River—Sec. 3-23-58 W.
 Measurement made above rating flume

6- 7			1.91	5.0	7-11	5.0		1.83	4.2
6-22	5.0		1.90	6.0	8- 2	4.4		1.70	5.0
6-22	4.0		1.70	5.0	8-22	3.8		1.58	3.7

TRI-STATE CANAL (LATERAL NO. 2)—D-918
 Diverted from North Platte River—Sec. 3-23-58 W.
 Measurement made above rating flume

6- 7			2.22	12.7	7-11	6.0		2.15	11.4
6-22	4.0		1.46	7.0	8- 2	4.3		1.47	6.5
6-22	3.0		1.11	5.0	8-22	5.7		1.93	8.7

TRI-STATE CANAL
 Diverted from Sheep Creek—Sec. 8-23-57 W.

5-30	24.0	1.62	1.89	39.0	7-12	41.5	1.93	2.55	80.1
6- 6	30.4	2.02	2.22	62.0	8- 2	48.2	1.99	2.78	96.1
6-15	36.0	1.89	2.38	68.0	8-11	46.9	2.09	2.74	98.4
6-22	40.0	1.85	2.42	74.0	8-22	43.8	2.42	2.84	106.0
6-22	37.0	1.86	2.42	69.0					

TRI-STATE CANAL
 Diverted from Akers Draw—Sec. 12-23-57 W.

5-30	12.0	0.83		10.0	8- 2	10.9	1.38		15.2
6-15	10.0	1.20		12.0	9-20	12.1	1.35		16.3
7-12	9.8	1.37		13.4					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933**

TRI-STATE CANAL

Diverted from Dry Spotted Tail—Sec. 9-23-56 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
6-15	15.0	1.13	2.30	17.0	8- 2	17.9	1.87	2.59	33.5
6-22	12.0	1.66	2.31	20.0	8-11	19.6	1.79	2.66	35.1
7-12	16.5	1.76	2.57	29.1	8-22	20.7	1.91	2.79	39.6

TRI-STATE CANAL

Diverted from Wet Spotted Tail—Sec. 3-23-56 W.

5-31	8.0	1.50	0.52	12.0	8- 2	11.4	2.54	0.92	29.8
6- 7	7.0	1.70	.44	12.0	8-11	11.6	2.57	.92	29.8
6-15	6.0	1.66	.42	10.0	8-22	13.0	2.62	1.00	34.1
6-22	7.0	1.86	.51	13.0	9-21	18.8	2.32	1.12	43.3
7-12	9.3	2.13	.75	20.0					

TRI-STATE CANAL

Diverted from Tub Springs—Sec. 27-23-55 W.

6-15	11.0	2.36	1.12	26.0	8-12	16.3	2.99	1.56	48.8
6-23	13.0	2.61	1.30	34.0	8-23	17.3	3.04	1.61	52.6
7-31	15.7	2.94	1.52	46.2	9-21	17.0	3.10	1.62	52.7
8- 2			1.52	45.9					

TRI-STATE CANAL

Diverted from Moffat Drain—Sec. 27-22-53 W.

8- 3	4.2		1.08	11.9	8-12	4.3		1.10	14.4
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TRI-STATE CANAL

Diverted from Alliance Drain—Sec. 18-22-53 W.

6-13	5.0		1.50	12.0	8-12	8.7		1.94	29.8
8- 2	10.1		2.02	36.7					

UNION CANAL—D-763

Diverted from Blue Creek—Sec. 18-16-42 W.
Measurement made at rating flume

6- 2	9.3	0.57	1.75	5.3	7-18	13.8	1.25	2.36	17.2
6- 8	11.1	.76	2.06	8.4	7-27	13.8	1.10	2.35	15.1
6-13	10.6	.76	2.00	8.1	8- 8	9.8	.92	1.95	9.0
6-23	10.9	1.00	2.02	10.9	8-18	15.3	1.20	2.44	18.4
7-14	13.0	1.06	2.20	13.8					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1933

WALKER CANAL—A-727, A-857, A-869
 Diverted from Lodgepole Creek—Sec. 36-15-57 W.
 Measurement made at headgate

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4-7	1.6	1.43		2.3					

WESTERN CANAL—A-393, A-1804
 Diverted from South Platte River—Sec. 14-12-43 W.
 Measurement made at headgate

5-4	70.6	2.64	0.79	186.0	7-12	56.2	1.89	0.54	106.0
5-26	54.6	1.72	.48	94.2	7-18	42.2	1.27	.35	53.8
6-12	48.3	1.40	.40	67.4	7-27	40.0	.79	.24	31.7
6-15	45.4	1.19	.35	54.0	8-9	69.8	2.78	.80	194.0
6-22	41.8	1.05	.30	44.2	9-8	52.8	1.77	.53	94.2

WESTERN CANAL—A-393, A-1804
 Diverted from South Platte River—Sec. 13-12-43 W.
 Measurement made at rating flume

10-6	14.3	2.10	1.00	30.1	6-22	18.5	2.38	1.05	44.0
11-7	17.0	3.43	1.28	58.4	7-12	35.6	3.07	1.60	109.0
4-21	17.7	4.03	1.25	71.2	7-18	42.6	1.34	1.18	57.0

WHITE RIVER CANAL—D-477, A-655
 Diverted from White River—Sec. 35-32-52 W.
 Measurement made at rating flume

10-17	5.6	1.37	1.58	7.7	7-4			1.20	4.0
7-1			1.15	3.0					

WHITNEY PIPE LINE—A-1603, A-1625
 Diverted from White River into Reservoir—Sec. 26-32-52 W.

10-17	7.3	1.33	0.63	9.7	4-3	16.8	1.85	1.25	31.1
11-15	13.6	1.43	1.00	19.5	4-28			1.28	31.4
1-12	16.6	1.85	1.25	30.8	5-29			.25	1.5
2-3	17.2	1.95	1.20	33.5					

WINTERS CREEK CANAL—D-952
 Diverted from North Platte River—Sec. 17-22-55 W.
 Measurement made at rating flume

4-12	4.3	1.79	0.32	7.7	7-12	22.3	1.51	1.77	33.7
5-22	3.9	1.69	.30	6.6	7-21	14.3	2.29	1.09	32.8
6-16	17.0	1.12	1.32	19.0	8-12	9.1	2.55	.72	23.2
6-23	26.0	1.15	2.03	30.0	8-23	13.6	2.72	1.06	37.1
7-1	22.0	1.45	1.73	32.0	9-7	12.3	1.89	.95	23.3

ACTUAL MEASUREMENTS OF CANALS—Concluded
Year Ending September 30, 1933

WINTERS CREEK CANAL LATERAL—O. D. A-1466
 Diverted from Winters Creek—Sec. 19-22-54 W.
 Measurement made at headgate

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
11-30	20.4	0.82		16.9	7-26	6.1	1.69	0.68	10.3
4-13	4.4	1.18	0.80	5.2	7-31	7.9	2.10	1.05	16.6
4-26	2.6	1.19		3.1	8- 3	14.0	1.46	1.77	20.4
5-31	8.0	1.37	1.00	11.0	8-12				.3
6-16	10.0	1.40	1.14	14.0	9-23	10.6	2.24	2.05	23.8
7- 1	10.0	1.40	1.05	14.0					

WINTERS CREEK CANAL—O. D. A-1466
 Diverted from Winters Creek—Sec. 19-22-54 W.
 Measurement made at rating flume

4-13	12.8	1.19	1.56	15.3	8- 3	29.9	1.46	3.03	43.6
5-31	21.0	.86	2.32	18.0	8-12	31.5	1.64	3.16	51.6
6-16	21.0	2.52	2.24	53.0	8-23	26.0	1.41	2.63	36.6
7- 1	29.0	2.43	2.90	70.0	9- 7	23.9	1.64	2.68	39.1
7-12	15.0	1.75	1.50	26.3	9-23	16.4	1.27	2.64	20.9
7-26	25.7	.77	2.60	19.7	9-27	7.5	2.56	1.94	19.2
7-31	33.2	1.85	3.36	61.5					

WOLFE CANAL—D-813
 Diverted from Lodgepole Creek—Sec. 18-13-45 W.

8-16 0.6

ZIMMERMAN CANAL—A-532
 Diverted from Sow Belly Creek, headgate—Sec. 34-33-55 W.

11-18 0.9 1.15 1.1

ACTUAL MEASUREMENTS OF CANALS
Year Ending September 30, 1934

ABERDEEN CANAL—D-50a, D-50b, D-68, A-1117
 Diverted from Frenchman River, Gaging Station—Sec. 3-5-38 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4-24				0.0	7-25	3.5	1.88		6.6

AIRDALE CANAL NO. 3—A-1508
 Diverted from Pumpkinseed Creek, Headgate—Sec. 2-19-55 W.

5- 8	5.7	0.32		1.8
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ALFALFA CANAL—D-738
 Diverted from North Platte River, Rating Flume—Sec. 1-15-42 W.

4- 5				0.0	6-20	20.6	1.65	0.92	34.0
4-27	25.6	1.58	1.20	40.5	7-20	3.5	.31	.25	1.7
5- 8	32.0	1.84	1.55	58.9	9-27	26.3	1.59	1.23	41.8

ALLEN-LARNED CANAL—D-117
 Diverted from Buffalo Creek, Headgate—Sec. 18-1-40 W.

4- 2				0.0	7-24	4.7	0.49		2.3
5-15	1.4	0.86		1.2	8-23	3.3	1.06		3.5

ALLIANCE CANAL—D-874 (O. D. A-1776)
 Diverted from Bayard Sugar Factory Drain—Sec. 5-20-52 W.

5-17	11.7	2.16	1.50	25.3	6-25	12.5	2.32	1.65	29.0
5-25				.0	7-23	12.3	1.80	1.60	22.1
6- 9	11.2	2.09	1.44	23.4	9-20	13.5	1.19	1.70	16.1
6-18	12.9	2.11	1.70	30.0					

ALLIANCE CANAL—D-874 (O. D. A-1429)
 Diverted from Red Willow—Sec. 6-20-51 W.

10- 9	11.6	0.42	0.95	4.9	7-26	22.7	1.01	1.85	23.0
5-17	22.1	.97	1.85	21.4	8- 9	27.1	.77	2.23	21.1
6- 1	24.6	1.05	2.06	25.7	8-23	26.1	.97	2.20	25.2
6-18	30.2	1.21	2.70	36.6	9-10	27.2	1.04	2.24	28.4
6-25	24.6	1.50	2.16	36.9	9-20	30.3	1.16	2.53	35.2
7-17	24.4	.98	2.01	24.0					

ATKINS-POLLY CANAL—D-342, D-344
 Diverted from Lodgepole Creek, Rating Flume—Sec. 30-15-55 W.

4-20	4.6	0.62	0.80	2.9	7-27	1.8	0.30	0.48	0.6
6- 6	4.5	.56	.80	2.5	8- 4	2.2	1.00	.40	2.2
6- 7	2.9	.45	.60	1.3					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

BARBER CANAL—D-754, A-1111

Diverted from Clear Creek, Rating Flume—Sec. 29-16-41 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 7	6.0	1.68	1.50	10.1	8- 7	5.7	1.05	0.38	6.0
10-25	1.2	2.00	.32	2.4	8-11	1.4	3.43	.35	4.8
5-25	2.2	3.18	.45	7.0	8-24	2.0	2.50	.40	5.0
6-20	2.2	2.90	.40	6.4	9- 8	2.8	2.46	.71	6.9
7-20	6.8	.97	.40	6.5					

BARON CANAL—D-438, A-2024

Diverted from Ash Creek, Headgate—Sec. 32-32-50 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4-20	1.5	2.14		3.2	7- 4				0.0
5-12				.0	8- 4				.0

BAY STATE CANAL—D-347

Diverted from Lodgepole Creek—Sec. 29-15-55 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
6- 6	3.7	0.48	1.10	1.8

BEATTY LATERAL—A-2145

Diverted from Platte River, Headgate—Sec. 18-10-23 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-12	11.8	0.91	1.75	10.7	7-11				0.0
5-23	10.2	1.20		12.2					

BEERLINE CANAL—D-887

Diverted from North Platte River, Rating Flume—Sec. 24-19-49 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 7	4.5	1.00	0.88	4.5	7-27	2.9	0.36	1.20	1.1
10-25				3.0					

BELMONT AND EMPIRE CANAL—D-828

Diverted from North Platte River, Rating Flume from River—
 Sec. 18-20-51 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 9	26.8	0.79	0.29	21.2	6-26	52.8	2.14	0.96	113.0
10-18	16.8	1.24	.28	20.8	7-10	53.9	2.30	1.00	124.1
5- 2	47.9	2.32	.82	111.4	7-17	49.4	2.20	.89	108.9
5- 4	43.3	2.29	.77	99.0	7-26	57.6	2.27	1.05	130.8
5-18	10.7	.71	.09	7.6	8- 9	52.8	2.34	.96	125.1
5-25	19.3	1.19	.20	22.9	8-23	52.4	2.48	.95	130.5
5-29	44.8	2.34	.85	105.0	9-10	43.1	2.54	.77	109.8
6- 7	55.1	2.18	.99	120.3					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1984

BELMONT FEEDER—A-1397

Diverted from Cedar Creek—Sec. 23-18-48 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4-26	5.7	1.91	1.20	10.9	7-27	5.4	1.43	0.95	7.7
5-18	4.9	1.22	.80	6.0	8-10	6.3	1.57	1.10	9.9
5-24	5.8	1.27	.97	7.4	8-25	8.5	1.16	1.73	9.9
6- 2	5.1	1.47	1.02	7.5					

BENDIX CANAL AND EXTENSION—A-189, A-1669

Diverted from Sand Creek—Sec. 35-33-53 W.

4-21	0.9	1.05		1.0	5-12	0.2	0.29		0.1
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BENNETT RESERVOIR CANAL—A-691, A-1975

Bennett Reservoir, on Lodgepole Creek, A-657, A-1974
 Sec. 22-15-55 W.

4-20	2.8	2.00	1.20	5.6	7-28				0.0
5- 9	.5	1.00	.65	.5	8- 5	0.9	0.78	0.20	.7
6- 7	3.3	1.09		3.6					

BICKEL CANAL—A-719, A-724, D-347

Diverted from Lodgepole Creek—Sec. 30-15-55 W.

4-20	2.8	1.21		3.4	6- 7	2.4	1.33	0.76	3.2
6- 6	3.0	.93	0.76	2.8					

BIGELOW-SEYMOUR CANAL—D-510

Diverted from Niobrara River—Sec. 19-31-57 W.

8- 6				0.0					
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BIRDWOOD CANAL—D-646

Diverted from Birdwood Creek, Gaging Station—Sec. 35-15-33 W.

10- 9	10.5	1.08	0.75	11.4	6-21	11.8	0.97	0.88	11.4
10-24	14.0	1.26	1.05	17.7	7- 1	23.3	1.60	1.63	37.4
4-30	12.3	1.14	.85	14.0	7-17	22.2	1.35	1.53	30.0
5- 7	18.0	1.33	1.30	24.1	7-23	27.1	1.66	1.90	44.9
5-17	14.4	1.13	1.05	16.3	8- 7	26.7	1.36	1.70	36.3
5-21	21.3	1.21	1.55	25.7	8-17	14.2	1.20	1.14	17.1
5-24	25.6	1.67	1.90	42.9	9-13	9.0	1.05	.90	9.5
6- 9	20.2	1.61	1.54	32.6	9-22	5.8	.92	.65	5.3

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934**

**BLUE CREEK CANAL—D-785, D-795
Diverted from Blue Creek, Rating Flume—Sec. 33-17-42 W.**

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 7	12.0	1.14	0.97	13.6	6-19	14.3	1.51	1.11	21.7
10-25			.10	3.0	6-26	20.4	1.58	1.60	32.2
4-27	18.0	1.75	1.45	31.7	7-20	22.2	1.58	1.79	35.2
4-30	19.2	1.60	1.55	30.9	8- 6	18.8	1.55	1.55	29.1
5- 8	9.4	1.55	.78	14.6	8-11	22.8	1.55	1.90	35.4
5-21	14.4	1.74	1.15	25.1	8-25	22.5	1.51	1.81	34.2
5-25	21.4	1.70	1.74	36.4					

**BLUHM CANAL—A-1811
Diverted from Lodgepole Creek, Headgate—Sec. 36-14-48 W.**

11-13	0.5	1.08		0.7	5-16				0.0
1-20				2.6	6-14				.0
2-23				2.3	6-19				.0
5-16				6.1	7-26				.0
3-27	.6	1.00		.6	8-25				.0
4-27				.0					

**BOELUS POWER SUPPLY CANAL—A-1373
Diverted from Middle Loup River, U. P. R. R. Bridge at Boelus—
Sec. 30-13-12 W.**

10-13	313.0	2.00	6.05	627.0	4-10	240.0	1.23	5.40	296.0
1- 3	225.0	1.87	6.30	420.0	5- 3	240.0	2.24	5.90	539.0
11-27	293.0	2.24	5.96	658.0	8-22	275.0	2.12		584.6
3-13	250.0	1.86	5.82	465.0					

**J. S. BOURETT CANAL—A-546
Diverted from Niobrara River, Headgate—Sec. 19-30-56 W.**

4-23	0.4	0.46		0.2	8- 6				0.0
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**BROWNS CREEK CANAL—D-857, D-1033
Diverted from North Platte River, Rating Flume—Sec. 20-20-50 W.**

10- 7	17.5	1.35	0.96	23.7	7-18	19.5	1.07	0.67	20.8
10-25			.30	5.0	7-27	42.0	1.39	2.02	58.1
5-17				.0	8- 4	29.5	1.05	1.23	31.0
5-29	20.4	1.44	1.20	29.3	8- 9	33.8	1.31	1.82	51.1
6- 2	39.0	1.71	2.36	68.2	8-25	42.1	1.41	1.97	59.2
6-14	37.4	1.30	1.80	48.4	9-11	55.6	1.24	2.71	69.3
7-17	30.3	1.35	1.29	40.9					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

BURKE-KENT CANAL—A-1694

Diverted from Pawnee Creek, Rating Flume—Sec. 18-13-27 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5-18	1.7	0.41	0.60	0.7	6-18				0.0

BUSHNELL CANAL (NORTH)—A-504

Diverted from Lodgepole Creek, Headgate—Sec. 2-14-58 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5- 9	3.4	1.41	0.95	4.8	8- 5				0.0
7-28				.0					

CALADONIA CANAL—A-1683

Diverted from Jim Creek—Sec. 13-33-57 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4-24	0.3	1.05		0.3	8- 6	0.3	0.23		0.1
7- 3	.2	.25		.1					

CASTLE ROCK CANAL—D-921

Diverted from North Platte River, Rating Flume—Sec. 4-21-54 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 5	34.8	1.47	2.75	51.1	7- 4	52.0	1.53	2.65	79.5
5- 2	33.7	1.30	2.30	43.9	7-14	50.2	1.38	2.52	69.3
5-16	35.8	1.20	2.16	43.1	7-23	57.5	1.54	2.62	88.4
5-23	39.5	1.28	2.20	50.6	8- 8	51.7	1.44	2.46	74.7
6- 1	57.8	1.42	2.59	82.2	8-22	52.3	1.29	2.53	68.0
6- 7	43.1	1.31	2.28	56.6	9- 7	48.7	1.45	2.56	72.2
6-23	39.8	1.32	2.48	65.7	9-19	36.6	1.10	2.12	40.2

CENTRAL CANAL—D-926

Diverted from North Platte River, Rating Flume—Sec. 27-22-55 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5- 2	6.7	1.00	0.70	6.7	7-23	14.7	1.58	1.50	23.2
5-16	21.0	1.99	2.15	41.7	7-25	10.5	1.05	1.08	16.5
5-19	21.0	1.77	2.12	37.3	8- 8	13.7	1.46	1.40	20.0
5-23	20.4	1.84	1.97	37.5	8-22	11.8	1.43	1.22	16.9
5-29	14.8	1.82	1.50	26.9	9- 7	11.7	1.21	1.21	14.6
6-23	18.3	.88	1.88	16.1	9-19	17.1	1.57	1.75	26.9
7- 4	15.6	1.53	1.60	23.9					

CHAMPION CANAL—D-47

Diverted from Frenchman River, Rating Flume—Sec. 23-6-40 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
11- 8	9.0	1.91	0.95	17.2	4-26	8.6	2.46	0.92	21.2
12- 4	9.5	2.06	1.00	19.5	5-11	8.4	1.56	.90	13.1
1-22	4.7	1.93	.55	9.1	6-20				.0
3-29	6.6	2.82	.70	18.6	7-26	21.2	1.00		21.1

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

CHIMNEY ROCK CANAL—D-844, D-1031

Diverted from North Platte River, Rating Flume—Sec. 1-20-53 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 9	17.5	1.37	1.17	24.0	7-10	32.8	1.94	1.91	63.7
5- 4	20.6	1.68	1.30	34.7	7-17	26.7	2.06	1.53	55.0
5-17	23.4	1.68	1.39	39.4	7-23	25.3	1.87	1.47	47.3
5-19	24.2	1.56	1.40	37.7	7-26	14.9	1.83	.88	27.3
5-25	22.4	1.64	1.32	36.7	8- 9	14.0	1.76	.83	24.6
6- 7	29.2	1.80	1.68	52.5	8-23	14.2	1.53	.87	21.8
6-11	27.9	1.48	1.61	41.2	9-10	23.4	1.60	1.37	37.5
6-26	22.7	1.61	1.32	36.7	9-20	26.7	1.12	1.63	30.0

CLEAR CREEK CANAL—D-748

Diverted from Clear Creek, Rating Flume—Sec. 32-16-41 W.

4-13	2.9	0.97	0.10	2.8	8-11	3.7	1.21	0.30	4.5
4-27	.3	.59	.10	2.0	8-24	3.2	1.42	.64	4.5
7-13	1.9	1.00	.35	1.9	9- 8				.0
8- 7	3.0	1.13	.30	3.4					

CODY-DILLON CANAL—D-649

Diverted from North Platte River, Gaging Station—Sec. 9-14-31 W.

10-10	11.0	1.79	2.00	20.1	7-17	16.3	2.16	2.20	35.3
10-23	8.7	1.48	1.75	12.9	7-20	13.1	1.83	1.74	24.0
5-17				.0	7-21	11.6	1.55	1.52	18.0
5-19	4.6	.65	.10	3.0	7-23	14.4	2.11	1.91	30.5
5-24	12.9	1.74	1.90	22.5	8- 7	17.6	2.00	2.40	35.2
6- 7	10.8	1.69	1.55	18.3	8-16	14.1	2.14	2.05	30.2
6- 9	13.2	1.73	1.70	22.8	8-18	14.8	2.06	2.10	30.6
7- 1	7.9	1.30	1.10	10.4					

COFFEE CANAL (EAST)—D-512

Diverted from Hat Creek—Sec. 26-33-55 W.

4-24	1.6	0.70		1.1	7- 3	1.6	0.44		0.7
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COFFEE CANAL (WEST)—D-512

Diverted from Hat Creek Below Diversion Dam—Sec. 26-33-55 W.

4-24	1.9	1.26		2.4	7- 3				0.0
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COOK CANAL NO. 1—D-980

Diverted from Niobrara River, Below Rock Dam—Sec. 1-28-56 W.

8- 6	2.8	0.96		2.7					
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ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

COOPER CANAL—A-333

Diverted from Squaw Creek, Headgate—Sec. 36-32-52 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4-21	0.3	0.14		0.1	5-12	0.3	0.33		0.1

COOPER CANAL (EAST)—A-42

Diverted from White Clay Creek, Below Dam—Sec. 2-31-52 W.

4-21	3.3	0.91	1.10	3.0	7- 4				0.0
5-12				.0	8- 4				.0

COOPER CANAL (WEST)—A-42

Diverted from White Clay Creek, Below Diversion Dam—
 Sec. 2-31-52 W.

4-21	3.3	0.91		3.0	7- 3				0.0
5-12				.0	8- 4				.0

COURT HOUSE ROCK CANAL—D-840, D-1028

Diverted from Pumpkinseed Creek, Rating Flume—Sec. 30-19-50 W.

10-18	11.6	1.08	1.26	12.5	5-24	4.0	2.95	0.45	11.8
10-27	10.8	1.07	1.22	11.6	6-26	5.4	1.87	.60	10.1
5- 1	6.0	3.19	.60	19.1	7-11	9.9	.89	1.08	8.8
5- 8	4.0	3.25	.45	13.0	7-17	6.0	1.48	.65	8.9
5-18	3.8	2.62	.40	10.0	8- 9	8.4	1.30	.95	10.9
5-22	3.6	2.86	.40	10.3	9- 2	9.9	.85	1.10	8.4

COZAD CANAL—D-626

Diverted from Platte River, Rating Flume—Sec. 16-11-25 W.

10-11	90.0	1.16	2.48	104.4	5-18				0.0
10-21	37.4	.95	.90	35.6	5-22				.0
5- 1	113.0	.95	3.00	107.0	5-23				.0
5- 4	109.8	.91	2.90	100.2	5-25				.0
5- 5			2.75	108.6	6-18	133.2	1.20	3.60	160.2
5-15				.0	6-22	134.3	1.19	3.60	160.5
5-16	70.1	1.10	1.75	77.8	9-14	163.0	.77	4.42	126.0

CRESCENT LAKE OUTLET CANAL—A-1575

Diverted from Crescent Lake—Sec. 21-20-44 W.

6- 3	3.2	1.22	0.42	3.9	7-15	16.8	2.01	1.28	33.8
6- 3	6.5	1.95	.70	12.7	8-10	5.9	1.18		7.0
6- 3	13.1	2.67	1.35	35.0					

CREWS CANAL NO. 2—A-1709

Diverted from Republican River—Sec. 20-1-41 W.

5-15	4.0	1.07		4.3	6-23	2.6	1.84		4.8
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**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934**

**CULBERTSON CANAL—D-24-25-29-30
Diverted from Frenchman and Stinking Water Creek
Sec. 31-5-33 W.**

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
11- 9	46.6	1.75	3.00	81.4	6-21	16.0	0.77	1.20	12.4
4-24	40.6	1.53	2.55	62.3	7-25	38.4	1.50	2.45	57.8
5-12	48.7	1.79	3.06	87.3	8-24	52.8	1.66	3.30	87.9

**DAWSON COUNTY CANAL—D-621-622-624, A-2039
Diverted from Platte River, Rating Flume—Sec. 18-10-23 W.**

10-21	75.0	2.05	2.72	154.2	6-18	153.4	2.01	3.62	309.2
5- 1	41.2	1.55	2.02	64.1	6-19	130.1	2.20	3.26	285.9
5- 4	26.6	1.28	1.78	34.0	6-20	139.5	2.27	3.55	317.4
5-15	158.0	2.34	3.85	370.9	6-22	82.4	1.89	2.72	155.7
5-16	137.0	2.34	3.55	322.4	6-27	124.0	1.60	3.06	198.4
5-18	119.0	2.12	3.22	253.5	6-30	102.7	1.49	2.80	153.6
5-22	72.9	1.88	2.60	137.0	7- 4	15.3	.25	1.55	3.9
5-23	60.8	1.65	2.39	100.7	7-11	25.6	.67	1.72	17.2
5-25	49.4	1.52	2.25	75.1	7-11	17.5	1.07	1.74	18.8
5-28	42.9	1.33	2.20	57.1	7-14	16.9	1.09	1.73	18.4
5-29	43.9	1.14	2.10	50.3	7-15	17.6	1.01	1.69	17.8
5-31	30.0	.77	1.83	23.1	7-18	29.7	.95	1.84	28.0
6- 2	4.8	1.04	1.58	5.0	8-20				.0
6- 8	29.2	.90	1.72	26.3	9-14	74.0	2.08	2.65	154.0
6-11	3.2	.47	1.40	1.5	9-24	126.5	2.14	2.30	270.3
6-15	21.5	1.05	1.80	22.7	9-29	90.0	.90	2.75	156.5
6-16	67.3	1.31	2.38	88.5	9-30	103.0	1.03	2.90	183.1

**DAWSON COUNTY CANAL
Diverted from Strevor Creek—Sec. 18-10-23 W.**

5- 4	5.5	0.82	1.20	4.5	5-16	13.9	0.89	1.80	12.4
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**DELAWARE-HICKMAN CANAL—D-157
Diverted from Republican River—Sec. 17-1-37 W.**

5-15	7.9	1.47		11.6	7-24	1.0	0.63		0.6
6-23	5.5	.98		5.4	8-23	7.2	1.23		8.9

**GEORGE DICKENSON CANAL—D-967
Diverted from Lodgepole Creek, Headgate—Sec. 33-14-47 W.**

5-10	3.9	0.98		3.9	8-25				0.0
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**DIETRICH CANAL—A-2464
Diverted from Beaver Creek—Sec. 4-12-15 W.**

8-21	2.1	0.62		1.3					
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ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

DODD-McDOWELL CANAL—A-1276
 Diverted from Little Cottonwood Creek, Below Headgate
 Sec. 13-32-53 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5-12				0.0	7- 4				0.0

DOUT CANAL NO. 1—A-1999, A-2000
 Diverted from Jim Creek, Headgate—Sec. 18-33-56 W.

4-24	0.4	0.50		0.2					
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DOUT BROTHERS CANAL—D-981
 Diverted from Jim Creek, Below Diversion Dam—Sec. 7-33-56 W.

8- 6	0.2	0.55		0.1					
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ELM CREEK CANAL—A-2104
 Diverted from Platte River, Diversion Dam—Sec. 6-8-19 W.

10-12	37.0	1.32	2.28	48.6	5-23	8.8	0.44	1.28	3.9
10-20	29.0	1.30	2.24	37.8	5-25	9.0	.39	1.20	3.5
11-28	22.3	.52	2.00	11.6	6-23	17.6	.68	1.66	12.0
5- 2	32.8	1.35	2.72	44.3	6-29	19.6	.93	1.83	18.2
5- 4	29.0	1.30	2.52	37.7	6-30	18.9	.91	1.83	17.2
5-16	12.8	.71	1.30	9.1	7-11			1.05	.2

EMPIRE CANAL—D-858, A-866
 Diverted from North Platte River, Rating Flume—Sec. 18-21-51 W.

5- 2	4.3	1.55	0.10	6.7	7-17	6.2	1.40	1.16	8.7
5-21	1.7	.75	.30	1.3	8- 1	9.2	1.40	.85	12.8
5-25	3.5	.64	.34	2.2	8- 9	7.1	1.36	.72	9.6
6- 7	20.3	.57	1.08	12.0	8-23	6.9	1.37	.88	9.5
6-11			.51	.0	9-10	5.5	1.16	.73	6.4

ENTERPRISE CANAL—D-920
 Diverted from North Platte River, Rating Flume—Sec. 27-23-57 W.

5- 1	56.8	2.19	0.80	56.8	7- 3	33.7	2.50	1.05	85.1
5-10	30.2	1.99	.80	60.2	7-12	33.0	2.50	.99	82.7
5-15	27.0	2.14	.80	57.8	7-24	33.3	2.38	1.03	79.2
5-22	32.8	2.29	.97	75.2	8- 7	35.4	2.70	1.07	95.6
5-29	36.0	2.35	1.06	84.7	8- 7	33.9	2.42	1.02	82.3
6- 8	35.3	2.15	1.07	76.1	8-21	32.3	2.69	.96	87.1
6-18	34.1	2.17	1.07	74.1	9- 6	32.8	2.77	.99	91.0
6-22	23.9	1.90	.70	45.5	9-18	29.8	2.76	.87	82.0

ENTERPRISE CANAL—D-920
 Diverted from Morrill Drain—Sec. 13-23-57 W.

7- 3				1.0	9-18				0.5
8- 7		1.03	0.81	0.8					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

ENTERPRISE CANAL—D-920

Diverted from Stewart Drain—Sec. 13-23-57 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
7- 3				0.2	9-18				0.0
8- 7				.0					

ENTERPRISE CANAL—D-920

Diverted from Wet Spotted Tail Creek—Sec. 22-23-56 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5- 2	5.7	0.94		5.3	7- 3	6.4	1.09		6.9
5-15	5.3	1.10		5.8	8-21	5.6	1.09		6.1
5-30	6.9	1.21		8.3	9-18	5.7	1.27		7.2

ENTERPRISE CANAL—D-920

Diverted from Dry Spotted Tail Creek—Sec. 21-23-56 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5-15	13.7	0.74		10.2	5-30				0.0
5-23				4.0					

ERNEST CANAL NO. 1 (SOUTH)—D-514a

Diverted from Niobrara River, Headgate—Sec. 9-29-56 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 3	6.0	1.34	1.60	8.6	8- 6	4.7	0.96	1.00	4.5
4-23	10.4	.64	1.35	6.7					

ERNEST CANAL NO. 2 (NORTH)—D-514a

Diverted from Niobrara River, Headgate—Sec. 9-29-56 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 3	1.0	0.50		0.3	8- 6				0.0
3-21	8.2	1.28		10.5					

EXCELSIOR CANAL—D-568

Diverted from Niobrara River, Below Headgate—Sec. 10-28-52 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 4	2.0	0.74		1.7	8- 7				0.0

FARMERS CANAL—D-10

Diverted from Frenchman River, Headgate—Sec. 11-3-32 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5-14	13.4	0.99	2.00	13.2	8-22				0.0
6-21			.60	.0	8-24				.0

FENDRICH CANAL—A-616

Diverted from Niobrara River, North Side Below Dam
 Sec. 32-29-48 W.

DATE	DIS-CHARGE SEC.-FT.
7- 2	0.0

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

FENDRICH CANAL—A-617

Diverted from Niobrara River, South Side Below Dam
 Sec. 32-29-48 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
7- 2				0.0					

FINCH CANAL—D-964

Diverted from Clear Creek, Headgate—Sec. 4-15-41 W.

4-27	3.8	1.71		6.5	9- 5	3.1	1.13		3.5
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FOLLETT-KROTTER CANAL—A-705, A-720, A-975

Diverted from Frenchman River, Rating Flume—Sec. 35-5-34 W.

11- 9	9.2	2.50	1.80	22.9	6-21				0.0
3-30	5.4	3.20	.88	17.2	8-24				.0
5-14	3.6	2.16	.60	7.8					

FUHRMAN CANAL (NORTH)—D-462

Diverted from Niobrara River, Headgate—Sec. 29-29-50 W.

10- 4	4.0	0.68		2.7	8- 7	1.3	0.85		1.1
5-13	2.2	1.50		3.3	9- 3	1.4	.75		1.0
7- 2	.5	.40		.2					

FUHRMAN CANAL (SOUTH)—D-462

Diverted from Niobrara River, Headgate—Sec. 29-29-50 W.

7- 2	2.5	1.08		2.7	9- 3				0.0
8- 7	2.1	1.38		2.9					

GALLUP CANAL—D-426

Diverted from Chadron Creek, Diversion Dam—Sec. 15-33-49 W.

5-11	1.0	0.40		0.4	8- 3				0.0
7- 4				.0	9- 2				.0

GERING CANAL—A-365

Diverted from North Platte River, Rating Flume—Sec. 4-23-58 W.

4-30	47.9	1.63	0.83	77.8	5-29			1.15	99.0
5-10	31.9	2.74	.99	87.5	5-30	36.8	2.68	1.17	98.7
5-15	37.4	.97	.46	36.1	6- 8			.45	1.0
5-18			1.26	128.0	7-13	49.5	1.54	.88	76.4
5-19	36.6	1.24	.56	45.5	7-24	62.4	1.84	1.29	113.8
5-22	54.5	1.64	1.09	89.6	8- 6			.11	3.0
5-29	57.8	1.56	1.16	90.3	8-21				1.0

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

GOCHNAUER CANAL—A-2420

Diverted from Big Bordeaux Creek—Sec. 10-33-48 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
8-3				0.0					

GOTHENBURG DIVERSION—D-645a, D-645b

Diverted from Platte River, Rating Flume—Sec. 29-12-26 W.

10-11	100.0	3.24	2.49	323.6	6-2	10.0	1.34	0.22	13.4
10-21	108.0	3.65	2.70	395.1	6-3	10.0	1.29	.22	12.9
11-28	60.0	3.04	1.48	182.5	6-4	40.0	2.43	.95	97.4
1-6	84.5	2.21	2.20	188.0	6-5	48.0	2.44	1.18	117.4
2-1	44.0	2.27	1.09	100.0	6-8	32.0	2.44	.80	78.0
3-9	56.0	2.74	1.42	153.0	6-11	10.0	1.41	.25	14.1
4-9	60.0	2.62	1.50	157.0	6-15	48.0	2.60	1.16	124.4
4-12	40.0	2.70	1.00	108.0	6-16	112.0	2.52	2.80	282.2
5-1	120.0	3.03	3.02	364.7	6-18	96.0	2.96	2.36	285.6
5-5	104.0	2.81	2.60	293.4	6-27	112.0	2.95	2.78	330.2
5-15	72.0	2.81	1.76	201.9	7-7	20.0	1.72	.53	34.5
5-18	72.0	2.58	1.80	185.9	7-11	38.8	2.18	.97	85.0
5-22	60.0	2.44	1.45	146.7	7-15	26.0	2.23	.62	58.0
5-23	56.0	2.34	1.40	130.9	7-18	26.0	2.10	.64	54.5
5-25	44.0	2.42	1.08	106.6	7-27	12.5	1.01	.15	12.6
5-29	28.0	2.43	.75	68.1	8-20	36.0	2.24	.90	80.8
5-31	14.0	1.58	.32	22.1	9-24	84.0	2.64	2.12	220.8

GOTHENBURG IRRIGATION CANAL—D-645b

Diverted from Platte River, Rating Flume—Sec. 12-11-23 W.

10-11	82.1	1.86	3.60	152.9	6-8				10.7
10-21	91.4	1.89	4.00	172.7	6-11			1.00	16.8
5-1	84.9	2.34	3.97	198.2	6-12			.30	2.8
5-4	87.1	2.02	3.57	176.2	6-18	54.1	2.12	2.70	115.5
5-5	76.3	1.93	3.54	147.2	6-22	77.0	2.00	3.40	154.1
5-15			2.80	17.9	6-25	79.2	2.36	3.90	187.5
5-16				21.8	6-27	72.0	2.04	3.20	147.2
5-18	5.4	1.11		6.0	6-28			1.35	14.7
5-22			.40	16.8	6-29			1.10	14.8
5-23				.0	6-30			1.05	12.0
5-25			.50	6.0	9-24			2.79	27.9
5-26			.40	4.3	9-25			3.18	38.8
5-31				.4	9-29			3.72	55.8

GOTHENBURG CANAL—D-645b

Lateral Above Rating Flume—Sec. 12-11-23 W.

10-21	4.0	1.67		6.7	6-12				0.0
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ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

GRAF CANAL—D-788

Diverted from Blue Creek, Rating Flume—Sec. 19-16-42 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 7	4.5	0.44	0.80	2.0	5-25	14.9	1.47	1.85	21.9
10-25	4.3	.75	.85	3.2	6-20	14.3	1.42	1.77	20.4
11- 7	5.6	.63	1.00	3.5	7-13	9.9	1.01	1.35	10.1
4-27	13.0	1.88	1.80	24.4	7-20	15.5	1.49	1.95	23.0
4-30	13.5	1.52	1.80	20.6	8- 6	16.8	1.41	1.95	23.6
5- 8				1.0	8-11			.30	.0
5-21	21.4	1.85	2.45	39.6	8-25	14.9	1.41	1.86	21.1

HAGLER CANAL—D-1025

Diverted from Republican River, Colorado-Nebraska Line—
 Sec. 2-1-43 W.

11-11	14.7	1.21	1.55	17.8	6-23	18.4	1.77		32.5
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HALL CANAL—D-478

Diverted from White River, Below Headgate—Sec. 34-32-52 W.

5-12	11.2	1.12	1.32	12.6	8- 4				0.0
7- 3	3.4	1.29	.69	4.4	9- 2	5.1	0.98	1.05	5.0
7- 4	2.0	1.32	.52	2.6					

HANEY CANAL—D-719, D-699

Diverted from Lonergan Creek—Sec. 17-15-39

10- 7	1.0	0.71	0.70	0.7	5- 8	1.4	0.71	0.50	1.0
4- 5	1.7	.82	.55	1.4	5-19			1.15	7.2

HANNAH CANAL—D-886

Diverted from North Platte River, Rating Flume—Sec. 29-18-47 W.

5-24	1.0	0.30		0.3					
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HARRIS-COOPER CANAL—D-464a, D-464b, D-464c

Diverted from White River—Sec. 26-32-52 W.

5-12	2.4	2.25		5.4	9- 2				0.0
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HARRIS-NEECE CANAL—D-517

Diverted from Niobrara River, Headgate—Sec. 3-28-55 W.

4-25				0.0	8- 7	5.8	1.93	1.26	11.2
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ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1984

HARTZELL CANAL—D-448

Diverted from Little Bordeaux Creek, Below Headgate
 Sec. 13-33-48 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
11- 3	0.5	0.24		0.1	8- 3	0.8	1.27		1.0
5-11	.9	.88		.8	9- 2	.6	.93		.5
7- 5	1.0	1.26		1.3					

HIGH LINE CANAL—A-1682

Diverted from Jim Creek, Headgate—Sec. 13-33-57 W.

3-21	0.6	0.83		0.5	7- 3				0.0
4-24	.4	.80		.3					

HITSHEW CANAL—A-1260

Diverted from Niobrara River, Diversion Dam—Sec. 6-28-52 W.

10- 4	3.8	1.57		6.0	8- 7				0.0
4-25	6.4	1.02	2.00	6.5					

HOLCOMB CANAL—D-636

Diverted from Pawnee Creek, Rating Flume—Sec. 13-13-28 W.

4- 9				0.0	6-18	2.5	1.20		3.0
5-18	2.3	0.95		2.2	7-20	3.0	1.33	0.70	4.0
6- 8	2.7	1.42	0.75	3.9	7-27	2.3	1.20	.70	2.8
6-11	2.9	1.20	.75	3.5	8-20				.0

HOLLINGSWORTH CANAL—D-723

Diverted from South Platte River, Rating Flume—Sec. 12-13-39 W.

4-28	12.3	1.33		16.4	7-24	7.1	1.04	1.80	7.4
5-31	10.1	1.18	2.32	11.9	8-11	6.9	.90	1.72	6.2
6- 9	8.1	.95	2.15	7.7	8-18	5.6	1.14	1.70	6.4
6-14	7.9	1.11	2.00	8.8					

HOLLOWAY-PHELPS CANAL—D-717

Diverted from White Tail Creek, Below Diversion Dam
 Sec. 36-15-38 W.

8-13	1.2	1.41	0.45	1.7	9- 6	1.1	1.63	0.42	1.8
8-16	1.0	.92	.50	.9					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

HOOVER CANAL—D-781, D-788

Diverted from Blue Creek, Rating Flume—Sec. 6-16-42 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 7	2.5	0.60	0.50	1.5	5-25	8.7	1.97	1.75	17.1
10-25	4.5	1.35	.95	6.1	6-19	8.0	2.09	1.50	16.8
4- 5	6.0	1.58	1.18	9.5	6-26	6.0	1.93	1.20	11.7
4-14	8.5	2.24	1.68	19.1	7-20	6.9	1.94	1.33	13.4
4-27	8.0	2.14	1.56	17.1	8- 6	5.7	1.70	1.15	9.7
4-30	7.7	2.05	1.55	15.8	8-11	6.5	1.97	1.25	12.8
5- 8	6.5	1.72	1.26	11.2	8-25	5.7	1.79	1.12	10.3
5-21	8.5	1.82	1.68	15.5					

HOOVER CANAL—D-353

Diverted from Lodgepole Creek, Below Headgate—Sec. 12-14-59 W.

5- 9	1.8	0.95	0.52	1.8	8- 5				0.0
7-28	3.2	.73	.66	2.4					

HORSE CREEK CANAL—D-159, D-173

Diverted from Horse Creek, Below Headgate—Sec. 23-1-39 W.

4-26	1.3	0.77		1.0	5-15				0.0
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HUGHES CANAL—D-987

Diverted from Niobrara River, Headgate—Sec. 1-28-52 W.

10- 4	1.6	0.88		1.4	8- 7				0.0
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HURLEY-LILLY-POLLY CANAL—D-354

Diverted from Lodgepole Creek, Rating Flume—Sec. 26-15-56 W.

5- 9	4.5	1.29	1.00	5.8	7-27	3.1	1.19	0.65	3.7
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INDEPENDENT CANAL—D-343

Diverted from Lodgepole Creek, Headgate—Sec. 7-14-58 W.

3-26	3.2	1.65		5.3	6- 6	3.0	0.73	0.77	2.2
4-17	3.4	1.67		5.7	7-28	1.8	.89	.13	1.6
5- 9	2.6	1.38	0.40	3.6	8- 5	3.0	.93	.62	2.8

INMAN CANAL—D-79

Diverted from Frenchman River, Headgate—Sec. 17-6-40 W.

11- 8				1.5	7-26				0.0
5-11	5.1	1.02	1.40	5.2	8-24				.0
6-20				.0					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934**

JANSSEN CANAL—D-636

Diverted from Pawnee Creek, Headgate—Sec. 13-13-28 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
7-20	0.9	0.78		0.7	8-20				0.0
7-27				.0					

JOHNSON CANAL—D-511

Diverted from Niobrara River, Headgate—Sec. 36-31-57 W.

8- 6				0.0					
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JOHNSON CANAL—A-612

Diverted from Lodgepole Creek—Sec. 23-13-45 W.

3-28	3.2	0.62		2.0	5-34				0.0
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JORDAN CANAL—A-841, A-1375

Diverted from Monroe Creek, Below Storage Dam—Sec. 13-33-56 W.

4-24	1.5	1.35		2.0	7- 3				0.0
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JORDAN CANAL—A-2032

Diverted from Monroe Creek, Below Reservoir—Sec. 13-33-56 W.

8- 6				0.3					
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KEARNEY CANAL—D-1023

Diverted from Platte River, at Headgate—Sec. 3-8-16 W.

6-29	12.5	0.80		10.0					
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KEARNEY CANAL—D-1023

Diverted from Platte River, Odessa—Sec. 34-9-17 W.

10-12	178.0	2.20	5.80	391.0	5-22	18.8	0.87	2.40	16.3
10-20	172.0	2.32	5.90	399.0	5-23	10.2	.66	2.25	6.8
11-28	148.0	2.18	5.28	314.0	5-25	5.2	.87	2.18	4.5
12-15	157.0	1.50	5.44	236.0	6- 3	2.6	.58	2.05	1.5
1- 4	151.0	1.90	5.64	286.0	6-22	32.0	1.38	2.80	44.4
2- 2	85.8	2.00	4.12	172.0	6-23	26.8	1.12	2.65	30.0
3-10	64.3	1.07	3.45	68.8	6-29	10.4	.98	2.28	10.2
4-11	158.0	2.18	5.34	346.5	6-30	10.0	.87	2.22	8.7
5- 2	69.1	1.39	3.65	96.2	7-11			1.95	.0
5- 4	65.2	1.46	3.58	95.6	7-15				.0
5-16	25.7	.97	2.63	25.0	9-24				.0

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

KEITH-LINCOLN COUNTY CANAL—D-722

Diverted from North Platte River, Rating Flume—Sec. 18-14-36 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 9	17.5	1.50	0.70	26.3	5-30	18.9	1.31	0.65	24.7
1- 8	1.3	1.46	.70	1.9	6- 9	36.4	2.01	1.12	73.5
4-13	36.4	1.80	1.15	65.3	6-19	36.0	2.10	1.22	75.9
4-28	34.0	1.95	1.10	66.5	7- 1	36.6	1.95	1.20	71.6
5- 7	42.6	2.22	1.40	94.9	7- 5	42.4	1.88	1.40	79.7
5-17	37.9	2.12	1.20	80.5	9-22	27.5	1.42	.90	39.0
5-21	31.5	2.03	1.10	64.0	9-26	30.0	1.78	.95	53.4
5-24	37.5	1.97	1.25	73.9					

KENT-BURKE CANAL—A-1694

Diverted from Pawnee Creek, Rating Flume—Sec. 13-13-28 W.

4- 9				0.0	7-20	1.9	0.68	0.68	1.3
5-18	1.7	0.41	0.60	.7	7-27	3.8	.93	1.00	3.5

KEYSTONE CANAL—A-662b, A-843, A-1003

Diverted from White Tail Creek, Headgate—Sec. 26-15-38 W.

6- 9	5.8	1.02	0.73	5.9	8-13	4.8	1.52	0.72	7.3
6-13	6.2	1.37	1.00	8.5	8-16	6.1	.88		5.4
6-24	3.8	.97	.50	3.7	9- 6	7.7	1.18	.95	9.1
8- 7	4.2	1.30	.65	5.5	9- 8	3.4	.97	.22	3.3

KIMBALL CANAL (NORTH)—A-897

Diverted from Lodgepole Creek—Sec. 36-15-57 W.

7-28	7.3	1.05	1.64	7.7					
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KIMBALL CANAL (SOUTH)—A-897

Diverted from Lodgepole Creek—Sec. 36-15-57 W.

7-27	9.2	2.10	1.90	19.3					
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KINNEY-RUTNER CANAL NO. 1—D-345, A-718

Diverted from Lodgepole Creek, Headgate—Sec. 33-15-56 W.

6- 6	3.3	0.70	0.9	2.3	8- 5	3.4	0.88	0.85	3.0
7-27	3.0	.16	1.0	.5					

KINNEY-FORSLING CANAL—D-348, A-718

Diverted from Lodgepole Creek—Sec. 33-15-56 W.

6- 6	4.0	0.22	0.68	0.9	7-27	4.0	0.60	0.65	2.4
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**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1984**

**KNIGHT CANAL (MILLER)—D-740
Diverted from Skunk Creek, Headgate—Sec. 1-14-37 W.**

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
7-24	0.6	0.75		0.4	8-13	1.2	0.91		1.1

**KREUGER CANAL NO. 1—D-325
Diverted from Lodgepole Creek, Headgate—Sec. 29-14-48 W.**

2-23	5.1	1.27		6.5	6-14				1.9
3-27	4.2	1.47		6.2	6-19				.0
5-10				2.8	7-28				2.8

**LABELLE CANAL—A-60, D-518
Diverted from Niobrara River, Headgate—Sec. 6-28-54 W.**

3-22	2.0	2.75		5.5	8-7	1.6	3.06		4.9
4-25	3.6	3.15	0.80	11.4					

**LAKOTAH CANAL—D-554
Diverted from Niobrara River, Headgate—Sec. 1-30-57 W.**

10-3	0.8	0.75		0.6	8-6	5.6	0.59		3.3
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**LICHTE CANAL—D-479
Diverted from Niobrara River, Headgate—Sec. 27-29-48 W.**

5-11	9.6	1.55		14.9	8-7	2.8	0.72		2.0
7-2	7.5	1.44		10.8	9-3				.0

**LAST CHANCE CANAL—D-883
Diverted from Pumpkinseed Creek, Rating Flume—Sec. 27-19-50 W.**

10-18	5.2	1.92	1.23	10.1	6-9	6.4	1.03	1.63	6.6
5-18				.0	7-18	6.5	1.03	1.50	6.6
5-24				.0	8-10	6.8	.99	1.60	6.8

**LISCO CANAL—D-856, D-787, A-243, A-991
Diverted from North Platte River, at 40-Foot Weir—Sec. 24-18-47 W.**

10-26			0.32	24.4	5-21			0.10	4.3
4-26			.20	12.1	6-19	21.6	1.02	.23	22.2
4-30			.18	31.0	8-6	8.6	.88	.11	7.6
5-14				.0	8-10			.25	42.1
5-19			.16	8.6					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

LISCO FEEDER (COLD WATER CANAL)—D-796
 Diverted from Cold Water Creek—Sec. 26-18-46 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 6	2.5	1.40	0.89	3.5	4- 4	3.2	1.40	0.85	4.5
11-21	3.1	1.52	.85	4.7	5-24	2.6	1.38		3.7
1-29	3.0	1.40	.71	4.2	8- 6	2.2	1.27		2.8
3- 5	26.0	1.46	.65	3.8	8-10	2.3	1.43	.80	3.3

LOGAN CANAL—D-902
 Diverted from North Platte River—Sec. 7-19-55 W.

8- 9	2.4	0.30	0.78	0.8					
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EAST LONERGAN CANAL—D-699
 Diverted from Lonergan Creek, Headgate—Sec. 17-15-39 W.

4-30	3.5	0.91	1.00	3.2	7-20	2.1	1.80	0.50	3.8
5-19	1.8	2.33		4.2	8- 7	3 3	1.87	.70	6.2
5-25	4.9	1.57	1.20	7.7	8-11	2.7	2.55	.72	6.9
7-13	1.2	1.00	.40	1.3	8-24	1.6	1.47	.64	2.4

LYONS CANAL—D-803
 Diverted from North Platte River, Rating Station—Sec. 30-17-44 W.

5-15				0.0	7-19	9.8	1.04	1.13	10.2
5-18	9.1	1.22	0.95	11.1	8-10	10.5	.67	.95	7.1
6- 9	12.5	.93	1.25	11.6	8-25	15.5	1.05	1.46	16.3
6-19				5.0	9- 8	12.2	1.33	1.10	16.3

McAULIFFE CANAL—D-814
 Diverted from Lodgepole Creek—Sec. 22-13-45 W.

5-16				0.0					
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McCARTHY CANAL—D-749
 Diverted from White Tail Creek, Below Headgate—Sec. 36-15-38 W.

4- 6	0.6	1.00		0.6	8-13	1.5	1.00	0.80	1.5
4-28	2.9	1.10		3.2	8-16	1.5	.73		1.1
6- 9	3.1	1.18	1.00	3.7	9- 6	1.0	.99		.9
6-13	1.6	.83	.50	1.3	9- 8	1.6	.68	1.10	1.1
6-24	2.5	1.12	.90	2.8	9-22				.5
8- 7	1.8	.75		1.4					

MCDONALD CANAL—A-644
 Diverted from Republican River, South Branch—Sec. 36-1-38 W.

5-15	4.7	0.73		3.4					
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ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

McFARLAND CANAL—D-960

Diverted from White Clay Creek, 2-Foot Weir—Sec. 35-32-52 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5-12	1.8	1.70	0.50	3.0	8-4			0.10	0.2
7-4			.15	.4					

McGINLEY-STOVER CANAL (NORTH)—D-513a

Diverted from Niobrara River, Below Diversion Dam—Sec. 25-29-56 W.

8-6 0.0

McGINLEY-STOVER CANAL (SOUTH)—D-513b

Diverted from Niobrara River, Below Headgate—Sec. 25-29-56 W.

8-6 0.0

McINTOSH CANAL—D-351

Diverted from Lodgepole Creek, Headgate—Sec. 29-15-55 W.

5-9 2.2 1.44 0.80 3.2 6-7 0.0

McLAUGHLIN CANAL—D-966

Diverted from Lodgepole Creek, Headgate—Sec. 25-14-48 W.

11-13				7.9	7-26				0.0
3-27	0.3	0.3		.1	8-7	5.4	1.18	1.65	6.4
5-16				.0	8-25	1.2	.82		1.0
6-19				.0					

McLAUGHLIN CANAL—D-566

Diverted from Niobrara River, Headgate—Sec. 9-28-52 W.

10-4 5.8 1.00 5.8

MARANVILLE CANAL—D-70, D-71

Diverted from Frenchman River, Headgate—Sec. 12-6-41 W.

11-8			1.15	1.0	7-26	8.3	0.35	2.40	2.9
5-11	7.2	0.44	1.35	3.1	8-24	9.0	.29		2.8
6-20				.0					

MEEKER CANAL—D-4, D-7, D-8, D-9

Diverted from Republican River, Headgate—Sec. 15-3-31 W.

11-10	4.2	0.62	0.70	2.6	6-22	8.8	1.24	1.05	11.0
4-25	17.1	1.26	1.65	21.5	7-23	17.9	1.48	1.70	26.8
5-12	22.8	1.73	2.30	39.5	8-23	17.0	1.60	1.80	27.2

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

MEGLEMRE CANAL—A-294, A-853

Diverted from Greenwood Creek, Rating Flume—Sec. 3-18-50 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-27	1.5	0.67	0.18	1.0					

MERIDIAN CANAL—D-459

Diverted from Niobrara River, Headgate—Sec. 25-29-50 W.

7- 2	4.5	1.38	1.40	6.2	9- 3	5.8	0.49		2.8
8- 7	6.7	1.91		12.8					

MEREDITH-AMMER CANAL—D-876

Diverted from Pumpkinseed Creek, Headgate—Sec. 23-19-50 W.

10-18	1.9	1.21	0.36	2.3	6-17	1.5	1.01	0.25	1.5
10-27	1.8	.76	.30	1.4	6-26	1.4	1.25	.27	1.8
5- 1	1.2	1.00	.20	1.3	7-18	3.8	2.23	.64	8.6
5-18	2.7	1.62	.45	4.4	8-10	4.5	2.12	.76	9.6
5-24	3.9	1.92	.64	7.5					

METTLEN CANAL—A-292, A-1248

Diverted from Niobrara River, Headgate—Sec. 4-28-54 W.

4-25	5.9	1.89	0.70	11.1	8- 7	0.4	0.55	0.10	0.2
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MIDLAND-OVERLAND CANAL—D-789, D-791

Diverted from North Platte River, Rating Flume—Sec. 2-16-44 W.

10- 7	8.7	0.78	1.12	6.8	9- 8	6.5	0.64	1.32	4.2
4-30	5.1	1.41	.75	7.2	9-28	7.6	1.00	1.08	7.6
6-19	3.9	.87	.48	3.4					

MILLER CANAL (EAST)—D-740

Diverted from Skunk Creek, Headgate—Sec. 1-14-37 W.

4-28	1.9	1.11		2.1	8-13	1.6	0.83		1.3
7-24	1.4	.81		1.1					

MINATARE CANAL—D-919

Diverted from North Platte River—Sec. 32-22-54 W.

10- 5	21.7	1.21	0.43	26.2	7-14	43.8	1.47	1.43	64.9
5- 2	19.9	1.50	.27	29.9	7-25	57.7	1.52	1.98	87.7
5-16	38.2	1.65	.98	61.3	8- 8	38.9	1.41	1.40	55.0
5-23	53.3	1.66	1.43	89.1	8-22	31.9	1.41	1.15	45.0
6- 1	54.5	1.86	1.70	101.0	9- 5	43.1	1.32	1.46	57.2
6-23	17.6	1.28	.35	22.5	9-19			1.75	75.8

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

MONROE CANAL (BIG)—D-506

Diverted from Monroe Creek, 200 Yards Below Diversion Dam—
 Sec. 33-33-56 W.

DATE	AREA OF SECTION	MEAN VELOCITY	MEAN GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	MEAN GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4-24	1.5	1.27	0.50	1.9	8- 6				0.0
7- 3				.0					

MONTAGUE CANAL—A-575

Diverted from Niobrara River, Headgate—Sec. 27-29-48 W.

5-11	4.1	0.44	0.80	1.8	8- 7				0.7
7- 2				.0	9- 3				.0

MONTGOMERY CANAL—D-559

Diverted from Sow Belly Creek, Headgate—Sec. 21-33-55 W.

4-24	1.9	0.38	0.40	0.7	8- 6	0.8	1.03		0.8
7- 3				.0					

MOORE CANAL—A-88

Diverted from Niobrara River, Headgate—Sec. 9-29-53 W.

4-25	4.9	2.68	0.79	13.1	8- 7				0.0
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MUTUAL CANAL—D-843

Diverted from Pumpkinseed Creek—Sec. 33-19-50 W.

10-18	4.7	0.96	1.58	4.5	6-12	1.2	2.16	0.30	2.3
5- 8	3.6	3.01	1.10	10.9	8- 9	3.0	.53	.20	1.6
5-18	5.2	1.38	1.58	7.2	8-30	1.0	.20	.10	.2
5-22	3.1	2.19	.90	6.8					

NEUMAN CANAL—A-611

Diverted from Lodgepole Creek, Headgate—Sec. 26-13-45 W.

5-16	2.9	0.80		2.3					
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NEUMAN CANAL—A-565

Diverted from Lodgepole Creek, Headgate—Sec. 36-13-45 W.

5-16	2.8	0.68		1.9					
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NEWTON CANAL—A-2263

Diverted from North Loup River—Sec. 35-23-21 W.

10-17	9.0	0.65		5.9	8-24	15.1	1.18		17.9
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ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

NINE MILE CANAL—D-925

Diverted from North Platte River, Rating Flume—Sec. 16-21-53 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 9	4.8	0.88	1.10	4.2	6-21	21.5	1.44	1.62	31.0
5-17				1.0	6-26	14.9	1.13	1.30	16.8
5-23	10.9	.98	1.10	10.6	8-23	17.7	.87	1.49	15.5
6- 1	11.4	.91	1.14	10.4	9-10	27.6	1.66	2.06	45.9
6- 7	26.9	1.66	1.94	44.7	9-20	21.2	1.67	1.73	35.5
6- 9	2.3	.28	.77	.6					

NINE MILE CANAL—D-925

From Nine Mile Drain—Sec. 33-23-53 W.

5-23	18.4	1.43	1.50	26.3	7-10	10.3	0.39	1.34	4.0
6- 1			.50	.0	7-17			1.20	2.0
6- 7			1.32	2.0	7-26	33.6	1.19	2.50	40.1
6- 9			.88	1.0	8-23	8.5	.44	1.32	3.5
6-21	26.8	.85	2.14	22.9	9-20	16.5	.54	2.05	8.9
6-26	15.8	.85	1.57	13.4					

NISSEN CANAL—A-606

Diverted from Sand Creek, Below Diversion Dam—Sec. 10-15-40 W.

6- 4	0.30	0.47		0.1					
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NORMAN CANAL—A-1660, A-1604

Diverted from White River, from Whitney Pipe Line—Sec. 26-32-52 W.

5-12	2.6	1.04		2.6	8- 4				0.0
7- 4				.0					

NORTH PLATTE CANAL—D-635

Diverted from North Platte River, Rating Flume—Sec. 13-14-34 W.

10- 9	51.0	2.86	1.65	124.6	6-13	49.5	2.50	1.54	123.8
10-24	45.0	2.52	1.45	113.6	6-14	69.0	2.85	2.25	197.3
4-30	72.0	2.56	2.32	184.5	6-21	60.6	2.71	1.95	164.4
5- 7	66.0	2.55	2.15	168.7	7- 1	69.7	2.72	2.23	189.5
5-17	63.0	2.59	2.10	163.2	7- 6	74.6	2.81	2.40	202.1
5-21	45.0	2.09	1.36	94.0	7-12	41.7	2.24	1.30	93.6
5-24	51.0	2.24	1.62	114.0	7-13	40.7	2.23	1.27	90.9
5-26	36.0	2.07	1.15	74.6	7-16	16.2	1.40	.44	22.6
5-27	60.0	2.29	1.92	137.5	7-17	29.3	1.91	.85	55.8
5-28	39.0	2.24	1.20	87.5	7-19	24.6	1.74	.75	42.7
6- 4	60.0	2.49	1.95	149.0	8-17	9.0	1.27	.25	11.5
6- 7	39.0	2.26	1.28	88.2	9-13	27.3	2.33	.90	63.4
6- 9	57.0	2.61	1.88	149.0	9-22	33.3	2.32	1.10	77.3
6-10	60.0	2.64	1.98	158.1	9-26	36.4	2.38	1.20	86.7
6-10	63.7	2.80	1.96	178.5					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

NORTHPORT CANAL—A-768

Diverted from North Platte River, Red Willow Rating Flume—
 Sec. 14-21-51 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5-25	39.5	1.42	0.89	56.3	6-26	54.2	1.82	1.37	98.8
6- 1	62.1	1.56	1.96	156.1					

NORTH RIVER CANAL—D-787, A-243

Diverted from North Platte River, 40-foot Weir—Sec. 14-18-47 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4-30			0.21	33.0	6-19				0.0
5-14				.0	8- 6	17.9	0.18	0.04	3.2
5-19			.22	14.4	8-10			.15	7.8
5-21			.50	48.0					

ORCHARD-ALFALFA CANAL—D-627

Diverted from Platte River, Rating Flume—Sec. 9-10-24 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-11	21.9	1.18	1.25	25.9	6-18	46.2	1.55	3.05	71.7
10-21	29.0	1.45	1.75	41.9	6-22	47.0	1.61	3.05	76.2
5- 1	27.9	1.12	1.65	31.4	9-14	20.9	.94	1.20	19.6
5- 4	24.3	1.32	1.65	32.1					

OSHKOSH CANAL—D-797, A-243

Diverted from North Platte River, Rating Flume—Sec. 14-18-47 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
7-19	10.3	0.50	1.05	5.0	9- 8	15.8	1.15	1.55	18.1
8-25	12.2	.90	1.13	11.0					

OTTER CREEK CANAL—A-1198

Diverted from Otter Creek, Below Headgate—Sec. 5-15-40 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 7	3.8	1.55	1.10	5.9	7-20	2.5	1.01	0.65	2.5
10-25	4.3	.96	.75	4.1	8- 7	12.4	1.55	2.40	19.2
4- 5	3.8	1.36	.90	5.2	8-11	16.9	1.20	2.38	20.2
5-25	3.8	.78	.62	3.0	8-24	16.4	1.01	2.36	16.7
6-20	1.4	1.13		1.5					

OWASCO CANAL—D-347

Diverted from Lodgepole Creek, Rating Flume—Sec. 29-15-55 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5- 9	3.6	1.71	0.35	6.2	6- 7	2.2	1.15	0.25	2.5
6- 6	3.9	.62	.22	2.4	7-27	6.5	.90	.40	5.8

OX-YOKE CANAL—D-447

Diverted from Ash Creek, Weir—Sec. 31-32-50 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5-12				0.0	8- 4				0.0
7- 4				.0					

ACTUAL MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1934

PAISLEY CANAL—A-515

Diverted from Blue Creek, Rating Flume—Sec. 28-17-42 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 7	7.2	1.32	0.90	9.5	5-25	7.2	1.39	0.89	10.0
10-25	6.8	1.47	.85	10.0	6- 3	7.9	1.50	.95	11.9
11- 7				.0	6-19	8.3	1.54	1.01	12.8
4-14				.0	7-13	7.0	1.50	.85	10.5
4-27	7.2	1.64	.89	11.8	7-20	13.0	1.62	1.06	14.2
4-30	6.7	1.55	.80	10.4	8- 6	9.5	1.67	1.15	15.9
5- 8				.0	8-11	9.4	1.40	1.15	13.2
5-21				.0	8-25	8.3	1.30	1.02	10.8

PARKS CANAL—D-138, A-2246

Diverted from Rock Creek, Headgate—Sec. 17-1-39 W.

5-15	2.0	0.81		1.6	6-23				0.0
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PAXTON-HERSHEY CANAL—D-653

Diverted from North Platte River, Rating Flume—Sec. 18-14-33 W.

10- 9	9.0	2.72	0.50	24.5	5-24	9.9	2.32	0.52	23.0
4-13	8.0	2.28	.50	18.3	5-28	4.5	1.24	.25	5.5
4-30	25.2	3.04	1.38	76.6	6- 9	28.8	2.80	1.60	80.7
5- 7	18.0	3.05	.98	55.0	6-20	28.8	2.80	1.60	84.9
5-17	27.0	3.62	1.50	77.9	9-22	18.0	2.96	1.00	53.4
5-21	10.8	2.53	.60	27.4	9-26	18.0	2.89	.95	51.7

PIONEER CANAL (NORTH)—D-442a

Diverted from Niobrara River, Headgate—Sec. 36-29-51 W.

10- 4	6.3	0.60		3.8	8- 7				0.0
5-13	11.8	.38		4.5	9- 3				.0
7- 2				2.0					

PIONEER CANAL (SOUTH)—D-442b

Diverted from Niobrara River—Sec. 31-29-50 W.

10- 4	4.9	0.43		2.1	8- 7				0.0
5-13				.0	9- 3				.0
7- 2	2.3	.51		1.2					

J. R. PORTER CANAL—D-171

Diverted from Buffalo Creek, Headgate—Sec. 1-1-41 W.

5-15	1.0	1.02		1.0					
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PREMIER CANAL—D-340

Diverted from Lodgepole Creek, Headgate—Sec. 3-14-58 W.

4-18	2.6	2.04	1.0	5.3	6- 6	1.2	1.96	0.50	2.4
5- 9				.0	7-28	1.4	.84	.49	1.1

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934**

RAMSHORN CANAL—D-945

Diverted from North Platte River, Rating Flume—Sec. 13-23-28 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 4	9.4	0.37	0.25	3.5	7-24	16.4	0.78	0.62	12.6
5-15				.0	9- 5	3.3	.51	.25	1.7
5-22	10.1	1.44	.58	14.5	9-17				2.0
5-29	2.4	.75	.04	1.8					

RASHER CANAL—D-467, A-456, A-534

Diverted from White River, Headgate—Sec. 19-32-51 W.

4-21				0.0	7- 4	0.4	0.57		0.2
5-10				.0	8- 4				.4
7- 3	2.8	0.32	0.55	.9	9- 2				.0

RAYNOR-SIMONS CANAL—A-1626

Diverted from White River, from Whitney Pipe Line—Sec. 4-32-51 W.

5-12				0.0	8- 4				0.0
7- 4				.0					

RIVERSIDE CANAL—D-18

Diverted from Frenchman River, Rating Flume—Sec. 33-4-32 W.

11- 9	11.8	1.05	1.40	12.4	6-21	8.2	1.00	1.20	8.2
12- 4	11.2	.52		5.8	8-24				.0
5-14	10.5	1.78	1.60	18.7					

ROBERTS CANAL—A-1241

Diverted from Dry Spotted Tail Creek—Sec. 16-23-56 W.

5-16				3.0					
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ROUND HOUSE ROCK CANAL—D-884

Diverted from Pumpkinseed Creek, Rating Flume—Sec. 28-19-51 W.

5- 8	2.0	1.24	0.74	2.5	5-22	1.6	1.14	0.60	1.8
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ROUND HOUSE ROCK CANAL—D-884

Lee Nunn Diversion—Sec. 27-19-51 W.

5-22	1.4	0.43		0.6	8- 4				0.1
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SCRIPTER CANAL—A-2288

Diverted from Clear Creek, Headgate—Sec. 32-16-41 W.

4-13	4.5	1.49		6.7	9- 5	3.8	0.93		3.5
5-25	3.1	1.07		3.3					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

SEVERNS PUMP CANAL—A-1856
 Diverted from Frenchman River—Sec. 9-4-33 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
4-24				0.0	5-14	2.7	1.0		2.7

SHELDON CANAL—A-493

Diverted from East Ash Creek, Diversion Dam—Sec. 30-32-50 W.

5-12				0.0	8- 4				0.0
7- 4				.0					

SHEPHERD CANAL—A-1965

Diverted from Squaw Creek, Diversion Dam—Sec. 36-34-57 W.

4-24	0.5	0.80		0.4	8- 6				0.0
7- 3				.0					

SHERIDAN-WILSON CANAL—D-710

Diverted from North Platte River—Sec. 20-14-35 W.

10- 9				1.0	5-29	7.2	2.37	1.28	17.1
10-24				.0	6- 9	4.8	2.24	.98	10.7
4-28	3.2	0.84	0.80	2.7	6-19	5.6	2.40	1.15	13.5
5- 7	4.7	1.43	.90	6.7	7- 1	4.0	1.80	.90	7.2
5-17	3.2	1.08	.75	3.5	9-15	12.0	1.18	1.25	14.2
5-21	14.1	1.26	1.28	17.8	9-22	8.0	2.23	1.30	17.8
5-24	12.5	1.21	1.20	15.1	9-26	7.2	2.22	1.26	16.0
5-28	16.5	1.29	1.40	21.3					

SHORT LINE CANAL—D-946

Diverted from North Platte River, Headgate—Sec. 25-21-53 W.

10- 5				3.0	6-26	24.1	1.35	1.64	32.4
10-12				1.0	7-17	19.0	.77	1.28	14.7
5-17	26.0	1.63	1.81	45.3	7-26	15.2	.49	1.00	7.5
5-19	2.7	1.72	1.88	45.8	8-23	17.4	.88	1.25	15.4
5-23	18.6	1.42	1.31	26.4	9-10	9.8	.67	.94	6.6
6- 7	29.7	1.86	2.03	55.1	9-20	22.9	1.45	1.84	33.3

SIGNAL BLUFF CANAL—D-807

Diverted from North Platte River, Headgate—Sec. 16-16-43 W.

6-19	16.1	0.39	1.84	6.4	7-20			0.93	0.2
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SIMONS CANAL—A-2363

Diverted from Little Cottonwood Creek—Sec. 9-32-51 W.

5-12	0.2	0.44		0.1	9- 2				0.0
7- 4				.0					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

SIX MILE CANAL—D-680

Diverted from Platte River, Rating Flume—Sec. 11-11-26 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-11	8.9	1.48	0.95	13.2	5-23				0.0
10-21	12.3	.96	1.40	11.8	6-18	12.1	0.84	1.40	10.1
5-16				.0	6-22	13.3	.89	1.50	11.8
5-18				.0					

SLATTERY CANAL—D-453

Diverted from Chadron Creek, Second Diversion Below Dam—
 Sec. 12-32-49 W.

8- 4				0.0	8- 6	0.3	1.23		0.3
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SLATTERY CANAL—A-749

Diverted from Dead Horse Creek—Sec. 32-33-49 W.

4-20	2.2	1.00		2.2	7- 3				0.0
5-12	1.9	.86		1.6					

SOLDIER CREEK CANAL

Diverted from Soldier Creek, Below Headgate—Sec. 18-31-52 W.

10- 3	1.7	1.41		2.4	4-23	2.3	1.95		4.5
3-21	2.2	1.50		3.3	5-13	2.5	1.47		3.7

OLD SOW BELLY CANAL—D-533

Diverted from Sow Belly Creek, Headgate—Sec. 7-32-55 W.

4-24	0.8	0.94		0.8	8- 6				0.0
7- 3				.0					

SPOHN CANAL—D-801

Diverted from North Platte River, Rating Flume—Sec. 13-17-45 W.

10- 6				0.0	6-19	12.1	0.85	1.61	10.3
4-14				.0	7-19	8.2	.57	1.02	4.7
4-27				.0	8-10	14.4	.48	1.70	6.9
5-14				.0	8-25	6.6	.53	1.12	3.6
6- 9	10.7	0.84	1.38	9.0					

SPRING CREEK CANAL—D-532

Diverted from Spring Creek, Below Dam—Sec. 7-32-55 W.

4-24	0.5	1.02		0.5					
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SPRING CREEK CANAL NO. 1—D-473

Diverted from Spring Creek, Headgate—Sec. 7-32-51 W.

5-12	0.4	0.33		0.1	8- 4				0.0
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ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

STAFFORD CANAL—A-2114

Diverted from Willow Creek, Headgate—Sec. 15-14-35 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10-24	1.3	1.54		2.1					

STEWART BROTHERS CANAL (NORTH)—A-8

Diverted from Little Cottonwood Creek, Below Headgate—
 Sec. 18-32-52 W.

4-21	1.9	1.89		3.6	7- 4				0.0
5-12	.4	.77		.3					

STEWART-GOLDEN CANAL—A-8, D-425

Diverted from Little Cottonwood Creek—Sec. 17-32-52 W.

7- 4				0.0					
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STUART (THOMAS) CANAL—D-425

Diverted from Little Cottonwood Creek, Below Headgate—
 Sec. 8-32-52 W.

4-21	0.5	0.40		0.0	7- 4				0.0
5-12	.7	.36		.3					

STUART CANAL—A-2408

Diverted from Turkey Creek—Sec. 23-33-23 W.

8-31	0.2	0.69		0.2					
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STUMPH CANAL—D-1023 ½

Diverted from East Ash Creek—Sec. 32-32-50 W.

5-12	1.4	1.49		2.0	8- 4				0.0
7- 4				.0					

SUBURBAN CANAL—D-789

Diverted from North Platte River, Rating Flume—Sec. 12-14-33 W.

10- 9	14.4	3.40	0.90	49.0	6-21	23.8	3.35	1.25	79.7
10-24			.50		7- 1	25.9	3.08	1.35	79.8
4- 6				.0	7-17	23.8	2.99	1.30	71.1
4-13				.0	7-21	19.4	3.40	1.10	65.9
4-30	22.8	3.47	1.22	79.0	7-23	19.4	3.37	1.10	65.5
5- 7	8.5	2.04	.60	17.4	8- 7	24.2	3.11	1.35	75.1
5-17	13.0	3.54	.95	46.2	8-16	26.0	2.95	1.44	76.7
5-24	8.4	2.37	.70	19.9	8-18	23.8	3.21	1.26	76.2
5-28	28.2	2.97	1.45	83.6	9-13	14.2	3.20	.90	45.4
6- 7	26.0	3.25	1.40	84.4	9-22	12.8	3.12	.77	40.0
6- 9	30.4	3.28	1.60	99.8					

ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934

SWIM CANAL—A-2431

Diverted from Chimney Creek—Sec. 24-33-23 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
7-31	0.2	0.20		0.1					

THIRTY MILE CANAL—A-1853, A-1976

Diverted from Platte River, Rating Flume—Sec. 30-12-26 W.

10-11	72.0	3.60	3.58	258.0	5-18	8.0	1.20	0.40	9.6
10-21	90.0	3.74	4.51	337.0	6-18	54.0	3.24	2.70	175.5
4-12	30.0	2.24	1.50	67.2	6-20	60.0	3.31	3.00	198.6
5- 1	80.0	3.51	4.00	281.0	6-25	80.0	3.32	3.98	264.6
5- 5	66.0	3.35	3.32	220.8	9-14	26.0	2.68	1.30	69.7
5-15	11.0	1.36	.55	15.0					

THOMAS CANAL—A-2057

Diverted from East Ash Creek—Sec. 19-32-50 W.

3-20				0.0	8- 4				0.0
5-12				.0	9- 2				.0
7- 4				.0					

THOMAS CANAL—A-1748

Diverted from Big Bordeaux Creek, Headgate—Sec. 34-34-48 W.

5-11	0.8	0.51		0.4	8- 3				0.0
7- 5	.3	.50		.2	8- 4				.0

TRI-STATE CANAL—D-918, A-660

Diverted from North Platte River, to Lateral No. 1—Sec. 13-23-58 W.

5-29	7.6	0.92	1.55	7.0	6-22	3.0	0.42	0.65	1.3
6- 8	4.6	.51	.88	2.3	7- 3	6.2	1.01	1.27	6.3

TRI-STATE CANAL

Diverted from North Platte River, to Lateral No. 2—Sec. 13-23-58 W.

5-29	7.5	1.30	1.30	9.7	7-24	2.1	0.52	0.50	1.1
6- 8	5.5	1.38	1.06	7.7	8- 7	5.1	.93	.77	4.8
6-22	5.1	1.32	.95	6.7	9-17	3.6	.70	.55	2.5
7- 3	6.6	1.10	1.02	7.3					

**ACTUAL MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1934**

TRI-STATE CANAL—D-918, A-660, A-768

Diverted from North Platte River, Gaging Station—Sec. 13-23-58 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
5-15				0.0	7-13	169.0	1.64	4.28	278.0
5-21	311.0	2.34	6.38	728.0	7-24			7.62	963.0
5-29	408.0	2.55	7.77	1040.0	8- 6	141.4	1.28	3.53	182.0
6- 2			7.77	1032.0	8-21	79.3	.58	2.43	46.5
6- 9	323.0	2.28	6.48	736.0	9- 5	148.4	1.18	3.90	210.0
6-22	274.0	2.25	5.78	617.0	9-17	151.0	1.42	3.98	214.0
7- 3	154.0	1.77	3.98	273.0					

TRI-STATE CANAL—D-918, A-660, A-768

Diverted from Sheep Creek—Sec. 8-23-57 W.

5- 1	22.4	1.59	1.68	35.6	7- 3	35.4	1.46	2.11	51.7
5-10	42.5	1.50	2.11	63.7	7-24	31.2	1.54	2.00	48.1
5-15	32.7	1.70	2.12	56.5	8- 7	30.3	1.79	2.06	54.5
5-22	32.4	1.67	2.07	54.1	8-20	39.8	1.72	2.05	51.2
5-30	31.9	1.58	2.04	50.4	9- 6	29.6	1.76	2.11	51.7
6- 8	33.7	1.47	2.07	49.8	9-17	30.6	1.78	2.15	54.5
6-22	36.7	1.45	2.11	54.5					

TRI-STATE CANAL—D-918, A-660, A-768

Diverted from Dry Spotted Tail Creek—Sec. 9-23-56 W.

5-15	5.1	1.54	1.88	7.8	7- 3	6.3	1.29	2.04	8.0
5-23	4.9	1.54	1.95	7.5	7-23	6.4	1.40	2.02	8.9
5-30	5.3	1.46	2.01	7.7	8-20	9.1	1.44	2.24	13.0
6-21	7.3	1.61	2.20	11.7	9-18	6.7	1.24	1.98	8.3

TRI-STATE CANAL—D-918, A-660, A-768

Diverted from Wet Spotted Tail Creek—Sec. 3-23-56 W.

5-15	5.0	1.33	0.31	6.6	7- 3	2.5	1.33	0.15	3.3
5-23	4.2	1.63	.30	6.9	7-23	3.2	1.17	.26	3.7
5-30	3.9	1.38	.29	5.3	8-20	4.1	1.02	.54	5.1
6-21	2.6	1.24	.12	3.2	9-18			.70	5.9

TRI-STATE CANAL—D-918, A-660, A-768

Diverted from Tub Springs—Sec. 27-23-55 W.

5-16	8.8	1.75	0.87	15.3	7-23	9.7	1.72	0.92	16.6
5-23	8.2	1.72	.86	14.2	8-20	10.0	1.92	.98	19.2
6-21	11.5	1.68	1.01	19.2	9-17	7.7	1.64	.81	12.6
7- 4	10.0	1.67	.97	16.7					

ACTUAL MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1934****TURKEY CREEK CANAL****Diverted from Turkey Creek—Sec. 35-33-23 W.**

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
7-31	0.7	0.78		0.5	8-31	1.2	0.72		0.9

UNION CANAL—D-763**Diverted from Blue Creek, Rating Flume—Sec. 18-16-42 W.**

10- 7	4.1	0.34	1.35	1.4	6-26	7.0	0.73	1.72	5.1
10-25				2.0	7-13				.0
4-27	7.4	.85	1.55	6.3	7-20	7.8	1.37	1.76	10.7
4-30	10.6	.97	1.90	10.3	8- 6	11.4	.94	2.00	10.8
5- 8				.0	8-11	12.1	1.04	2.08	12.5
5-21	12.0	1.06	2.10	12.7	8-25	12.0	1.34	2.14	16.1
5-25	10.9	1.24	1.95	13.5					

VICTORIA CANAL NO. 1**Diverted from Victoria Creek—Sec. 1-19-21 W.**

7- 9	0.6	0.52		0.3	8-23	4.9	0.93		4.5
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WALKER CANAL—A-727, A-857, A-869**Diverted from Lodgepole Creek, Headgate—Sec. 36-15-57 W.**

4-20	2.3	0.87		2.0	7-27	1.6	0.52	0.50	0.8
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WARBONNETT CANAL NO. 1 (NORTH)—D-548**Diverted from Warbonnett Creek, Headgate—Sec. 21-33-56 W.**

3-21	1.6	1.50		2.4	4-24	0.2	0.30		0.1
4-24	1.7	1.41		2.4					

WARBONNETT CANAL NO. 2—A-892**Diverted from Warbonnett Creek—Sec. 20-33-56 W.**

4-24	0.2	0.30		0.1	8- 6				0.0
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WARNEKE CANAL—D-505**Diverted from Niobrara River, Headgate—Sec. 27-31-57 W.**

8- 6				0.0					
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WEARIN CANAL—A-1864**Diverted from Lodgepole Creek, Rating Flume—Sec. 8-14-58 W.**

5- 9	2.6	1.52		3.9					
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ACTUAL MEASUREMENTS OF CANALS—Continued**Year Ending September 30, 1934****WESTERN CANAL—A-393**

Diverted from South Platte River, Rating Flume—Sec. 14-12-43 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
11-13	18.2	2.85	1.15	52.1	4-27	14.0	2.95	1.14	41.3
3-28	37.9	4.20	1.80	159.5	5-11	35.2	2.71	1.65	95.3

WESTERN CANAL—A-393, A-1804

Diverted from South Platte River, Headgate—Sec. 29-13-41 W.

4-27	48.2	1.05	0.35	50.8	7-26	40.0	0.66	0.22	26.4
5-16	58.7	1.37	.45	80.3	8-25	41.0	.72	.24	29.4

WESTERN PUBLIC SERVICE CANAL—D-1024, A-1224

Diverted from Doris Lake—Sec. 9-19-19 W.

3-14	105.6	3.61		382.0	8-23	117.6	3.71	8.40	436.0
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WHITE RIVER CANAL—D-477

Diverted from White River, Rating Flume—Sec. 35-32-52 W.

5-12	7.2	0.71	2.05	5.1	8-4				0.0
7-3	11.6	.26		3.0	9-2				.0
7-4	7.7	.49		3.8					

WHITNEY PIPE LINE—A-1603, A-1625

Diverted from White River, Into Reservoir—Sec. 26-32-52 W.

10-2			1.00	18.8	4-21	12.9	2.00	1.15	25.8
11-4			1.05	20.9	5-12				.0
1-16	14.8	1.69	1.20	25.0	7-4				.0
2-14	15.7	1.89	1.23	29.7	8-4				.3
3-20	17.0	2.20	1.25	37.7	9-2				.0

WICKERSHAM CANAL (EAST)—A-701

Diverted from Boggy Creek—Sec. 31-33-54 W.

4-24	1.1	1.27		1.4					
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WINTERS CREEK LATERAL—O. D. A-1466

Diverted from Winters Creek, Headgate—Sec. 19-22-54 W.

10-5	9.3	2.30	2.05	21.4	6-23			0.84	6.2
10-20	8.4	1.94	1.80	16.3	7-4	8.1	1.53	1.16	12.4
11-3	11.2	1.78	2.00	19.9	7-14	10.0	1.50	1.30	15.1
5-2	12.8	1.42	1.95	18.1	7-25	9.2	1.37	1.29	12.6
5-16	5.6	1.10	.53	.0	8-8	7.0	1.32	.84	9.1
5-23	10.9	1.26	1.54	13.7	8-22	7.7	1.52	1.04	11.7
6-1	9.0	1.42	1.32	12.7	9-5	7.9	1.23	1.04	11.1
6-9	8.0	1.32	1.17	10.5	9-19	5.1	1.31	.66	6.6

ACTUAL MEASUREMENTS OF CANALS—Concluded
Year Ending September 30, 1934

WINTERS CREEK CANAL—D-952

Diverted from North Platte River—Sec. 17-22-55 W.

DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.	DATE	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DIS-CHARGE SEC.-FT.
10- 5				2.0	7- 4	18.7	0.92	1.48	17.1
5- 2	15.2	2.61	1.17	39.8	7-13	14.3	1.46	1.10	20.9
5-16	19.2	2.52	1.47	48.5	7-25	15.6	1.33	1.21	20.8
5-23	16.9	1.50	1.31	25.3	8- 7	17.2	1.05	1.35	18.2
5-31	11.7	1.64	.90	19.2	8-20	17.5	1.19	1.35	21.0
6- 9	12.4	1.58	.95	19.5	9- 6	15.9	.70	1.24	11.2
6-21	16.1	1.55	1.24	23.9	9-19			1.25	11.6

WINTERS CREEK CANAL

Diverted from Above Winters Creek—Sec. 19-22-54 W.

5-16	30.2	1.04		31.6
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WINTERS CREEK CANAL—O. D. A-1466

Diverted from Winters Creek, Rating Flume—Sec. 19-22-54 W.

10- 5	9.9	1.07	1.62	10.6	7- 4	21.0	1.76	2.13	36.9
10-20				5.0	7-14	22.0	1.96	2.20	43.1
11- 3	7.7	1.36	1.72	10.5	7-25	27.5	1.69	2.75	46.4
5- 2	27.8	1.60	2.80	45.0	8- 8	26.9	2.26	2.69	61.0
5-16	27.6	2.78	2.80	76.6	8-22	28.5	1.99	2.86	55.8
5-19	23.7	2.24	2.42	53.2	9- 5	27.9	1.79	2.79	49.7
5-23	23.5	.94	2.41	22.2	9- 6	21.9	1.29	2.20	29.3
6- 1	17.8	1.74	1.80	32.0	9-19	26.1	1.78	2.64	46.4
6-23	16.0	1.27	1.60	21.9					

ZIMMERMAN CANAL—A-532

Diverted from Sow Belly Creek, Headgate—Sec. 34-33-55 W.

4-24				1.2	8- 6				0.0
7- 3				.0					

PATHFINDER STORAGE RESERVOIR
DAILY CONTENTS IN ACRE-FEET
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	158230	173620	205150	223620	242620	258380	309330	414680	635080	802630	522080	238750
2	157710	174780	206140	224230	243270	259340	312830	424460	650390	795100	511740	232140
3	157450	175930	207140	224830	243920	260300	315940	433220	665830	787440	501400	221630
4	157190	177690	208130	225430	244560	261260	318910	439880	681950	778300	490580	211000
5	156990	178240	209120	226040	245210	262230	322160	446190	696550	769420	481050	200290
6	156790	179120	209930	226640	245860	263200	325630	452670	709660	759940	472240	193010
7	156530	180020	210430	227250	246510	264180	328940	459020	722000	750560	463420	186820
8	156230	180920	210810	227860	247160	265150	331930	464870	731910	740610	454220	180290
9	155920	181810	211130	228480	247800	266140	334840	470560	741440	732080	445000	174500
10	155660	182710	211440	229100	248450	267120	337920	476060	750890	723620	435750	170320
11	155560	183490	211940	229730	248810	268950	340060	480940	759770	713650	426440	164980
12	155820	184280	212450	230350	249170	270780	341930	485900	767200	704420	417310	160520
13	156070	185200	212950	230970	249530	272630	343890	489890	776350	695290	407980	155410
14	156280	186185	213460	231590	249900	274480	345840	493850	786750	686270	398750	152500
15	156480	187230	213970	232210	250270	276330	347640	497610	795790	677040	388930	148730
16	157040	188330	214480	232830	250630	278180	349530	501280	804210	667780	379120	146000
17	158020	189430	214990	233380	251000	280020	351060	504510	812620	657930	369340	144900
18	159010	190540	215500	233930	251360	281890	353130	507750	819340	649510	359570	143950
19	160100	191660	216020	234490	251730	283760	356290	511500	825070	639860	349440	143000
20	161140	192840	216540	235040	252090	285640	359660	516340	829400	630600	339440	141960
21	162080	194020	217120	235670	252750	287460	363210	521940	833000	622570	329470	140730
22	163020	195140	217700	236300	253410	289220	366950	530160	835870	613780	318990	139020
23	164030	196260	218290	236930	254060	290900	370260	539580	836960	605020	308410	136200
24	165030	197420	218880	237560	254720	292580	373040	550680	835690	596220	298490	133560
25	166040	198580	219460	238190	255380	294260	376000	561350	834430	587480	288740	131260
26	167050	199740	220040	238820	256040	295950	380340	571350	831190	578990	279640	127800
27	168050	200840	220640	239450	256690	297670	385090	580850	826510	569710	271940	124510
28	169080	201930	221240	240080	257420	299470	390080	589110	823450	560820	264330	122690
29	170110	203040	221830	240710	.....	301440	397280	598950	817190	551450	258100	121280
30	171190	204160	222420	241340	.....	304100	404680	609750	809690	541740	251800	121670
31	172430	.....	223020	241980	.....	306590	.....	622280	.....	531670	245640	.....

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
INTO PATHFINDER RESERVOIR
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	350	680	550	350	370	519	1380	5060	6630	2760	640	110
2	330	680	550	360	380	510	1760	4980	7890	2570	510	230
3	410	680	550	350	380	520	1570	4440	8790	2490	710	100
4	340	680	550	350	370	510	1500	3390	9870	1710	490	210
5	390	680	550	360	380	520	1640	3230	10110	1830	670	110
6	410	540	350	350	370	520	1750	3320	10300	1530	770	420
7	380	560	300	360	380	530	1670	3250	10890	1480	730	400
8	350	560	240	360	380	520	1510	3030	10400	1110	560	270
9	340	560	210	360	370	530	1470	2970	10390	1920	380	580
10	370	560	210	360	380	520	1550	2830	10400	2030	430	1460
11	450	500	310	370	230	950	1080	2480	10090	1340	390	930
12	630	510	320	360	250	950	940	2490	9940	1620	480	1320
13	630	570	320	360	260	960	990	2050	10790	1290	680	1050
14	620	600	330	360	260	950	980	2040	11510	1300	390	620
15	610	620	330	360	260	950	910	1960	10780	1130	160	680
16	490	640	330	360	260	950	950	1980	10850	1090	240	650
17	590	630	330	330	260	950	770	1720	10960	830	200	600
18	600	600	330	330	260	960	1040	1750	10060	1560	150	620
19	650	610	330	330	260	970	1590	1980	9830	930	75	620
20	620	650	330	330	260	970	1460	2450	9320	780	130	560
21	580	650	360	370	410	920	2430	3050	8480	1140	150	480
22	580	610	360	370	410	890	1890	4280	8570	780	100	250
23	610	610	370	370	400	850	1670	4790	7750	680	100	360
24	610	640	370	370	380	850	1400	5670	6380	680	100	800
25	610	640	360	360	380	850	1640	5480	6540	770	100	440
26	610	640	370	370	380	850	2040	5140	5550	760	100	250
27	610	600	350	370	380	870	2390	4910	4780	660	820	410
28	630	600	350	370	410	910	2510	4250	4890	610	870	330
29	630	610	350	370	.....	990	3630	5090	3120	490	550	380
30	640	620	350	370	.....	1340	3730	5560	2620	610	390	410
31	670	.....	350	360	.....	1250	.....	6460	.....	510	520	.....
Mean	527	610	367	358	338	817	1661	3615	8629	1258	406	522
Max.	670	680	550	370	410	1340	3730	6460	11510	2760	870	1460
Min.	330	500	210	330	230	510	770	1720	2620	510	75	100
A. F.	32410	36330	22550	22030	18780	50240	98860	222310	513450	77340	24960	31040

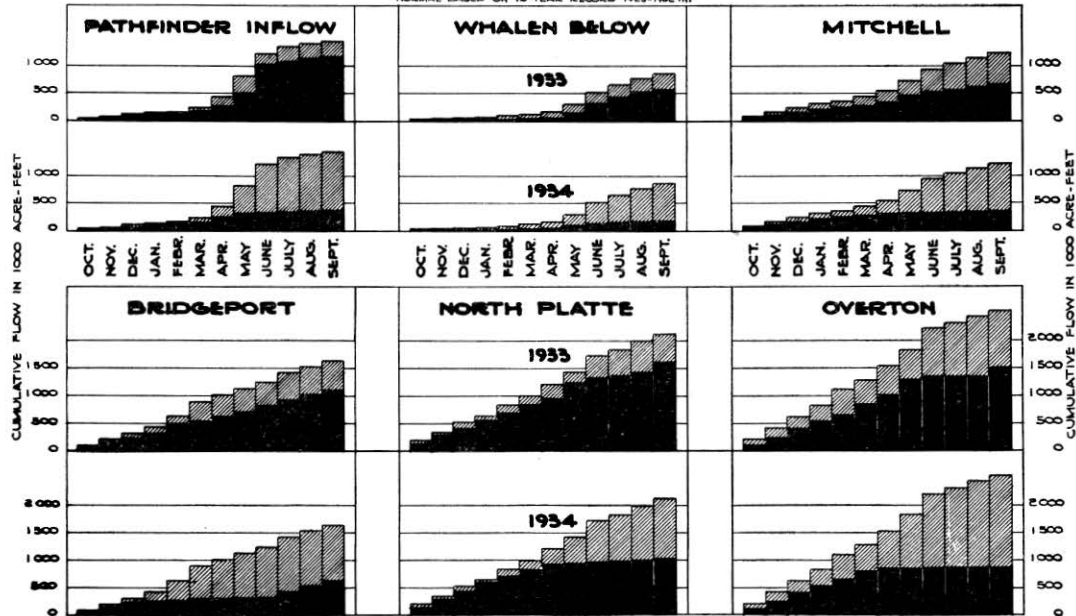
Total Acre-feet 1,150,300

Record furnished by the United States Bureau of Reclamation.

STATE OF NEBRASKA
 DEPARTMENT OF ROADS & IRRIGATION
 BUREAU OF IRRIGATION, WATER POWER & DRAINAGE
 F. B. SHAFER, OFFICE ENGINEER R. H. WILLIS, CHIEF
 GRAPH SHOWING
CUMULATIVE MONTHLY FLOW
 PLATTE RIVER STATIONS
 WATER YEAR OCTOBER 1 - SEPTEMBER 30
 LEGEND

■ ACTUAL
 ▨ NORMAL

NORMAL BASED ON 10 YEAR RECORD 1923-1932 IN.



**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
OUTFLOW PATHFINDER RESERVOIR
Year Ending September 30, 1933**

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	590	80	50	50	50	30	0	0	0	6100	5380	3520
2	590	100	50	50	50	30	0	0	0	6090	5620	3500
3	540	100	50	50	50	30	0	0	830	6090	5850	5240
4	470	100	50	50	50	30	0	0	1550	6100	5860	5500
5	490	100	50	50	50	30	0	0	2540	6100	5330	5440
6	510	100	50	50	50	30	0	0	3460	6090	5040	4050
7	510	100	50	50	50	30	0	0	4340	6070	5030	3460
8	500	100	50	50	50	30	0	0	5280	6060	4940	3510
9	500	110	50	50	50	30	0	0	5420	6060	4970	3490
10	500	110	50	50	50	30	0	0	5420	6100	5000	3560
11	500	110	60	50	50	30	0	0	5420	6090	4980	3570
12	500	110	70	50	75	30	0	0	6070	6070	4980	3550
13	500	110	70	50	75	30	0	0	6060	5640	4940	3080
14	510	110	70	50	75	20	0	0	6040	5660	4960	2560
15	510	90	70	50	75	20	0	0	6040	5640	4980	2520
16	210	90	70	50	75	20	0	0	6410	5640	5030	1960
17	105	70	70	50	75	20	0	0	640	5610	5030	1110
18	105	40	70	50	75	20	0	0	6490	5610	4970	1040
19	100	40	70	50	75	20	0	0	6730	5580	5120	1040
20	100	50	70	50	75	20	260	0	6930	5200	5130	1040
21	105	50	70	50	75	2	140	0	6930	5030	5080	1040
22	105	50	70	50	75	2	0	0	6930	5000	5050	1040
23	105	50	70	50	75	2	0	0	6950	5000	5020	1720
24	105	50	70	50	50	0	0	0	6860	4970	4820	2080
25	105	50	70	50	50	0	0	0	6950	5020	4720	1550
26	105	50	70	50	50	0	0	0	6950	5000	4670	1980
27	105	50	50	50	50	0	0	0	6930	4980	4700	2020
28	105	50	50	50	40	0	0	0	6170	4970	4700	1220
29	105	50	50	50	.....	0	0	0	6120	5030	3630	600
30	95	50	50	50	.....	0	0	0	6100	5360	3550	600
31	40	.....	50	50	.....	0	.....	0	.....	5390	3550	.....
Mean	304	77	60	50	60	17	13	0	5280	5592	4924	2553
Max.	590	110	70	50	75	30	260	0	6950	6100	5860	5500
Min.	40	40	50	50	40	0	0	0	0	4970	3550	600
A. F.	18680	4600	3690	3070	3350	1080	790	0	31450	343840	302780	151920

Total Acre-feet 1,147,950

Record furnished by the United States Bureau of Reclamation.

**GUERNSEY STORAGE RESERVOIR
DAILY CONTENTS IN ACRE-FEET
Year Ending September 30, 1933**

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	56580	42100	43840	38440	40070	39400	46360	67620	66980	45390	44490	55250
2	57220	42040	43710	38350	40120	39580	46400	69670	64700	45330	44430	53920
3	57250	42040	43600	38290	40210	39810	46510	70480	61830	44380	44280	52480
4	57040	41970	43470	38420	40210	40210	46490	70830	58140	45120	45070	51050
5	56830	41900	43530	38420	40140	40170	46530	70370	53900	43800	46360	51700
6	56620	41860	43340	38420	40280	40250	46550	70600	48170	43120	47720	53570
7	56400	42000	42970	38460	40050	40340	46590	70260	42620	43380	47910	55090
8	56160	42000	42360	38510	39710	40720	46740	69810	38820	44990	47780	55030
9	55930	42040	41750	38650	39630	41160	46020	70000	37060	45470	47570	53410
10	55700	42150	41290	38670	39470	41560	46210	70830	36490	46490	47220	52200
11	55420	42170	40920	38830	39320	42000	46360	70830	36630	47490	46740	53610
12	55150	42190	40670	39030	39230	42520	46470	70780	36110	47930	46280	53610
13	54800	42150	40350	39180	39180	43250	46510	70690	35460	48570	45810	54000
14	54470	42320	40120	39370	39050	44050	46570	70720	35920	48880	45240	54230
15	54100	42600	39940	39540	38890	44810	46660	70830	35750	49590	44750	55210
16	53670	42880	39850	39650	38740	45220	46660	70900	35280	49690	44620	54780
17	53230	43160	39670	39630	38670	45560	46700	71240	34690	50220	43730	54230
18	52810	43320	39560	39600	38620	45870	46340	70720	34460	50540	43360	53510
19	52400	43420	39510	39510	38550	46080	46680	71240	34100	50730	43120	51840
20	51920	43570	39300	39440	38620	46210	46080	71400	33420	51200	42930	49540
21	51400	43750	39190	39440	38420	46280	46080	72940	34480	51540	43120	46740
22	50680	43790	39050	39510	38460	46280	45750	72440	35460	51240	43320	43750
23	49890	43880	38960	39630	38510	46360	44710	72440	37050	50680	43320	41100
24	49090	43940	38890	39650	38620	46400	44750	71400	38910	49960	43120	38590
25	48170	44110	38820	39690	38760	46400	45750	69850	40670	49340	42950	36140
26	47320	44110	38820	39830	38910	46460	47220	68635	42520	48700	42580	33690
27	46400	44050	38780	39900	39140	46570	48940	67840	44170	48030	42270	32640
28	45470	44160	38710	39920	39210	46530	51680	68520	45330	47420	45980	32060
29	44510	44140	38640	39870	.....	46470	57020	69090	46130	46640	54580	32060
30	43510	44000	38600	39990	.....	46400	63810	69260	45690	45790	56560	33100
31	42500	.....	38510	40010	.....	46360	.....	68500	.....	44860	56390	.....

Record furnished by the United States Bureau of Reclamation.

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
INTO GUERNSEY RESERVOIR**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1937	299	265	186	220	286	237	5127	2272	6002	5109	3879
2	1426	345	276	144	235	280	267	4327	2074	6051	5222	3763
3	1118	346	263	212	236	342	266	4029	1886	6091	5348	3686
4	971	311	265	287	232	434	259	3815	1632	6873	5413	3670
5	921	306	267	211	207	191	252	3798	1772	6015	5770	4761
6	905	293	250	221	235	230	247	3926	1599	5947	5783	5439
7	868	318	120	190	137	336	257	3818	1910	5931	5194	5387
8	810	307	96	236	181	423	297	3413	3084	6481	4966	4571
9	783	316	74	236	224	480	336	3054	4045	6142	4926	3742
10	791	346	120	242	172	444	266	2686	4999	6030	4900	3907
11	766	268	143	246	146	443	271	2324	5356	5894	4834	5207
12	771	279	106	296	161	478	272	2156	5313	5864	4844	4349
13	732	265	191	275	186	558	231	2034	5322	5839	4839	4053
14	740	302	202	251	140	614	256	1880	5957	5804	4833	3716
15	712	415	183	276	156	620	235	1723	5889	5896	4873	3932
16	690	409	166	240	145	445	212	1590	5865	5655	4873	2955
17	693	399	130	237	165	387	195	1726	5857	5673	4853	2697
18	703	366	182	232	150	346	235	1754	6142	5589	4934	2595
19	685	357	170	228	165	306	218	1867	6180	5480	4933	2052
20	603	356	152	218	151	292	401	2134	6175	5423	4958	1687
21	568	338	160	221	141	309	716	2946	7052	5401	5150	1403
22	467	338	166	225	185	285	663	2920	6882	5101	5155	1243
23	432	336	192	221	200	309	344	3752	7137	4947	5054	1264
24	435	326	177	210	195	300	918	6150	7092	4889	4953	1245
25	366	328	160	205	180	274	1402	6519	6837	4873	4924	1245
26	402	307	150	266	202	262	1624	5593	6832	4863	4824	1215
27	358	277	170	241	238	230	1788	4373	6831	4870	4875	1837
28	346	307	191	231	256	271	2326	3333	6766	4945	6814	1712
29	331	303	191	228	.....	261	3637	3181	6713	4881	9063	1854
30	326	270	196	211	.....	229	5333	2980	6140	4868	5557	2119
31	321	.....	191	221	.....	212	.....	2591	.....	4827	4347	.....
Mean	709	324	180	230	187	351	799	3275	5053	5585	5230	3040
Max.	1937	415	276	296	256	620	5333	6519	7137	6873	9063	5439
Min.	321	265	74	144	137	191	195	1590	1599	4827	4347	1215
A. F.	43590	19300	11040	14170	10400	21570	47530	201360	300720	343430	321570	180860

Total Acre-feet 1,515,540

Record furnished by the United States Bureau of Reclamation.

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
OUTFLOW OF GUERNSEY RESERVOIR**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1060	501	346	221	190	190	237	3206	3038	6154	5296	4454
2	1103	375	341	190	211	190	247	3294	3223	6232	5252	4433
3	1103	346	318	242	190	226	211	3620	3333	6418	5252	4412
4	1077	346	330	221	232	232	269	3638	3493	6500	5186	4391
5	1027	341	237	211	242	211	232	4030	3910	6680	5120	4433
6	1011	313	346	221	165	190	237	3810	4488	6290	5098	4496
7	979	247	307	170	253	291	237	3990	4708	5800	5098	4621
8	931	307	404	211	352	232	221	3640	5000	5670	5032	4601
9	899	296	381	165	264	258	195	2958	4932	5900	5032	4559
10	907	291	352	232	253	242	170	2268	5286	5516	5076	4517
11	907	258	330	165	221	221	195	2324	5286	5516	5076	4496
12	907	269	232	195	206	216	216	2181	5575	5516	5076	4349
13	907	285	352	200	211	190	211	2079	5650	5516	5076	3856
14	907	216	318	155	206	211	226	1865	5725	5648	5120	3600
15	899	274	274	190	237	237	190	1668	5975	5538	5120	3438
16	907	268	211	185	221	237	212	1555	6102	5604	5120	3172
17	915	258	221	247	200	216	175	1555	6154	5406	5120	2974
18	915	285	237	247	175	190	416	2016	6258	5428	5120	2958
19	891	307	195	274	200	200	551	1605	6362	5384	5054	2894
20	845	280	258	253	116	226	703	2053	6518	5186	5054	2846
21	830	247	216	221	242	274	716	2170	6518	5230	5054	2814
22	830	318	237	190	165	285	830	3172	6388	5252	5054	2750
23	830	291	237	160	175	269	868	3752	6336	5230	5054	2600
24	838	296	212	200	140	280	898	6674	6154	5252	5054	2510
25	830	242	195	185	109	274	898	7300	5900	5186	5010	2480
26	830	307	150	195	126	232	883	6206	5900	5186	5010	2450
27	822	307	190	206	122	175	921	4774	6000	5208	5032	2366
28	815	247	226	221	221	291	945	2990	6180	5252	4944	2004
29	815	313	226	253	.....	291	945	2894	6310	5274	4727	1854
30	830	346	216	150	.....	264	1910	2894	6362	5296	4559	1595
31	830	.....	237	211	.....	232	.....	2974	.....	5296	4433	.....
Mean	910	299	269	206	202	235	505	3198	5437	5599	5042	3438
Max.	1103	501	404	274	352	291	1910	7300	6518	6680	5296	4621
Min.	815	216	150	150	109	175	170	1555	3038	5186	4433	1595
A. F.	55930	17800	16530	12670	11200	14420	30080	196670	323530	344260	310040	204150

Total Acre-feet 1,537,280

Record furnished by the United States Bureau of Reclamation.

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
PASSING WHALEN, WYOMING**

Year Ending September 30, 1933												
DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	45	450	215	58	26	90	112	2336	1225	2627	1641	1373
2	96	271	210	30	51	127	122	2166	1323	2696	1631	1360
3	41	242	187	81	46	176	86	2392	1230	2852	1628	1346
4	70	242	199	53	64	207	141	2368	1166	2940	1572	1287
5	17	237	87	47	78	135	107	2762	1395	3184	1579	1245
6	26	182	196	38	29	95	97	2533	1654	2787	1611	1181
7	25	116	157	26	174	201	97	2720	1649	2287	1616	1273
8	25	176	248	51	175	196	81	2441	1971	2160	1536	1254
9	25	165	200	27	91	208	55	1841	1973	2391	1509	1195
10	25	160	184	58	80	168	30	1146	2267	1993	1529	1203
11	25	127	149	29	57	151	55	1224	2262	1984	1520	1187
12	25	138	67	47	58	141	76	1124	2503	1984	1518	1114
13	25	158	183	20	51	108	71	1036	2507	1980	1483	944
14	25	85	145	23	62	124	88	829	2514	2066	1492	862
15	25	143	104	48	47	150	50	621	2623	1933	1499	781
16	25	137	51	52	48	142	72	624	2669	1983	1516	640
17	25	127	67	99	14	110	35	692	2648	1814	1499	587
18	25	154	85	87	18	93	20	1163	2711	1861	1496	606
19	25	176	26	117	23	113	25	619	2810	1830	1442	581
20	25	149	95	85	16	130	80	878	2949	1634	1444	577
21	25	116	42	49	61	174	62	960	2963	1710	1451	599
22	25	187	71	28	15	185	27	1936	2907	1724	1451	580
23	25	177	62	16	15	169	27	2825	3000	1693	1451	532
24	25	188	52	52	15	173	37	5597	2958	1685	1449	476
25	25	134	43	29	19	169	35	6168	2829	1600	1413	449
26	25	199	22	43	26	119	24	5256	2802	1588	1417	438
27	25	199	26	53	22	72	41	3464	2861	1596	1444	460
28	25	128	53	83	109	166	43	1556	2861	1614	1851	144
29	25	182	57	20	.....	166	43	1446	2836	1636	1537	158
30	25	215	48	20	.....	139	1008	1377	2838	1614	1410	133
31	505	.....	66	47	.....	112	.....	1313	.....	1601	1348	.....
Mean	47	179	110	49	53	145	95	2045	2363	2043	1516	819
Max.	505	450	248	117	175	208	141	6168	3000	3184	1851	1373
Min.	17	85	22	16	15	72	20	621	1166	1588	1348	133
A. F.	2880	10630	6730	3010	2960	8940	5650	125780	140640	125050	93190	48710
Total Acre-feet 574,170												
Record furnished by the United States Bureau of Reclamation.												

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT TORRINGTON, WYOMING**

Year Ending September 30, 1933												
DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	718	635	560	390	440	502	407	2180	1590	2660	1590	1650
2	622	689	535	390	440	502	389	2180	1540	2640	1680	1650
3	560	635	548	390	440	502	398	2520	1500	2910	1740	1650
4	524	635	560	390	440	560	380	2660	1430	3270	1720	1630
5	491	622	585	390	440	535	380	3150	1460	3390	1740	1500
6	458	635	524	435	350	524	371	3320	1520	3060	1680	1390
7	458	610	470	435	228	502	371	3440	1700	2570	1650	1460
8	447	585	410	435	300	535	362	3250	1870	2410	1590	1410
9	447	598	350	435	300	502	380	2680	2030	2520	1520	1480
10	425	572	280	435	300	524	371	2120	2250	2200	1520	1480
11	425	635	370	440	375	480	362	1920	2360	2030	1540	1500
12	416	535	370	441	375	480	362	1830	2480	1980	1590	1460
13	398	572	370	445	375	480	353	1720	2480	1960	1570	1370
14	389	560	370	445	375	469	380	1520	2430	1980	1610	1370
15	380	585	370	445	375	469	398	1210	2340	1920	1610	1350
16	389	585	560	435	412	458	362	1150	2270	1900	1610	1280
17	371	585	560	435	420	447	380	1170	2270	1940	1610	1190
18	389	598	560	435	420	458	335	1460	2360	1870	1630	1170
19	425	622	560	435	420	447	290	1300	2480	1830	1540	1130
20	398	610	560	435	420	436	362	1210	2780	1650	1520	1050
21	398	572	490	455	475	447	436	1460	2890	1650	1520	1050
22	398	585	490	450	475	480	316	1980	2980	1760	1520	1050
23	407	585	490	443	475	469	276	3320	3080	1650	1480	1030
24	398	560	490	440	475	469	276	5720	3200	1650	1480	1010
25	398	560	490	425	475	458	398	6620	3100	1610	1480	994
26	407	535	480	425	458	447	436	5580	3030	1590	1480	1010
27	398	535	480	425	447	436	491	4220	3030	1590	1570	994
28	407	548	480	425	436	407	502	2730	3010	1700	2800	907
29	389	548	462	425	.....	416	622	2270	2840	1740	1980	873
30	398	560	330	425	.....	407	1130	2010	2710	1680	1900	890
31	407	.....	370	425	.....	398	.....	1790	.....	1610	1760	.....
Mean	437	590	469	428	406	472	409	2570	2370	2090	1650	1270
Max.	718	689	585	455	475	560	1130	6620	3200	3390	2800	1650
Min.	371	535	280	390	228	398	276	1150	1430	1590	1480	873
A. F.	26900	35100	28800	26300	22500	29000	24300	158000	141000	129000	101000	75600
Total Acre-feet 798,000												

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT WYOMING-NEBRASKA LINE**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	722	654	631	450	480	511	440	2030	1550	2520	1500	1570
2	556	699	606	450	480	474	440	2460	1500	2440	1570	1550
3	503	640	623	450	480	468	454	2570	1430	2590	1570	1550
4	503	633	623	450	468	556	447	2720	1270	2820	1640	1520
5	488	694	640	450	468	549	434	2980	1270	2930	1640	1430
6	461	722	549	500	350	541	427	3340	1330	2790	1550	1280
7	549	703	500	500	350	503	427	3400	1470	2440	1550	1320
8	581	623	440	500	350	572	420	3420	1630	2330	1500	1330
9	549	676	360	500	350	564	427	2950	1660	2420	1450	1360
10	534	666	300	500	350	556	414	2440	1790	2210	1470	1380
11	534	614	400	510	400	541	402	2090	1930	2010	1470	1400
12	503	606	400	510	400	526	408	1890	2050	1930	1500	1470
13	488	631	400	511	400	526	396	1870	2110	1910	1470	1450
14	474	598	400	526	400	518	360	1760	2130	1890	1480	1320
15	474	549	400	511	400	488	384	1500	2190	1810	1430	1270
16	461	589	590	511	440	503	360	1350	2250	1830	1380	1180
17	488	589	590	468	449	518	366	1320	2230	1890	1420	1110
18	491	598	590	490	450	503	334	1500	2290	1830	1420	1080
19	521	657	590	505	450	481	292	1480	2350	1790	1430	1070
20	488	648	593	515	450	468	830	1220	2520	1660	1400	1010
21	482	589	520	520	506	474	623	1400	2770	1610	1400	1000
22	474	598	520	505	506	526	427	1700	2840	1630	1400	975
23	488	614	520	481	500	518	355	3600	2930	1610	1360	923
24	470	623	520	461	500	496	262	5410	2910	1550	1400	862
25	462	598	520	454	500	511	296	6730	2660	1540	1360	826
26	463	556	500	447	454	511	396	5720	2660	1500	1430	826
27	455	541	500	434	468	503	447	4400	2630	1480	1480	850
28	429	526	500	468	454	434	454	2980	2630	1480	2480	850
29	425	564	500	488	.....	440	474	2230	2660	1540	1990	746
30	434	623	365	481	.....	481	800	1930	2610	1480	1760	702
31	437	.....	400	480	.....	461	.....	1740	.....	1500	1680	.....
Mean	496	621	503	485	437	507	433	2650	2140	1970	1530	1170
Max.	722	722	640	526	500	572	830	6730	2930	2930	2480	1570
Min.	425	526	300	434	350	434	262	1220	1270	1480	1360	702
A. F.	30500	37000	30900	29800	24300	31200	25800	163000	127000	121000	94100	69600
Total Acre-feet	784,200											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT MITCHELL**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1480	695	845	770	770	740	606	1150	935	1220	457	832
2	1290	968	785	770	785	770	606	2230	748	1150	490	790
3	1060	1060	770	770	770	770	620	2330	670	1110	501	804
4	936	1020	755	770	770	750	620	2670	536	1270	582	762
5	875	1000	875	770	740	750	635	2940	478	1410	776	644
6	860	952	830	800	600	740	635	3480	457	1520	720	536
7	890	936	650	800	520	760	635	3600	446	1380	657	490
8	890	920	650	800	442	780	650	3540	425	1150	607	490
9	936	984	650	800	450	780	650	3120	513	1110	559	446
10	890	1080	650	800	475	785	635	2720	571	1040	478	467
11	952	1030	700	750	575	755	620	2470	682	935	436	548
12	936	1050	700	780	575	740	606	2350	748	875	446	818
13	920	1020	700	780	575	695	592	2230	890	860	446	1090
14	905	875	700	740	575	665	578	2080	875	832	436	1150
15	845	830	700	725	575	635	578	1770	905	762	425	1140
16	830	920	780	770	700	665	564	1540	920	707	383	1140
17	815	952	822	725	749	710	536	1430	875	720	372	1220
18	830	936	830	760	700	695	508	1310	875	695	393	1140
19	860	905	830	760	700	635	456	1390	950	594	404	1070
20	800	920	830	760	680	620	905	1120	1110	559	404	935
21	740	860	850	760	740	635	1460	1110	1590	513	393	875
22	725	830	850	760	800	665	968	1240	1610	524	404	790
23	770	830	850	760	820	665	845	2580	1810	571	414	720
24	770	920	850	710	780	695	710	3830	1950	548	404	695
25	770	920	850	710	740	680	536	5920	1920	524	425	682
26	815	875	800	710	800	695	480	5440	1740	467	457	720
27	800	890	800	710	770	725	522	4150	1570	446	548	790
28	815	845	800	695	755	695	564	2840	1520	425	920	875
29	800	860	800	710	.....	665	592	1880	1430	446	1740	950
30	785	890	800	710	.....	650	620	1480	1310	425	1070	995
31	695	.....	679	725	.....	620	.....	1170	.....	414	980	.....
Mean	880	926	774	755	676	704	651	2490	1040	813	572	820
Max.	1480	1080	875	800	820	785	1460	5920	1950	1520	1740	1220
Min.	695	695	650	695	442	620	456	1110	425	414	372	446
A. F.	54100	55100	47600	46400	37500	43300	38700	153000	61900	50000	35200	48800
Total Acre-feet	671,600											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT MINATARE**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1660	1330	1370	1200	1000	850	836	1170	1420	1080	572	1400
2	1870	1440	1370	1200	1000	850	890	1920	1080	1060	640	1290
3	1700	1520	1410	1200	1000	850	926	2590	924	1100	664	1250
4	1680	1460	1440	1200	1000	850	962	2880	807	1340	753	1180
5	1590	1410	1500	1200	1000	800	944	3120	640	1670	807	1050
6	1460	1310	1480	1220	950	850	1040	3690	510	1980	878	848
7	1370	1390	850	1220	850	900	1040	4140	572	1710	807	688
8	1390	1440	850	1220	750	1020	980	3900	510	1360	753	652
9	1330	1410	850	1230	649	1060	980	3720	490	1230	726	652
10	1270	1370	850	1240	660	1080	999	3520	531	1250	652	766
11	1330	1270	800	1250	700	1090	944	3260	664	1030	616	970
12	1390	1370	800	1250	700	1130	908	2960	794	939	541	1440
13	1370	1390	800	1250	700	1150	818	2780	939	863	531	1790
14	1270	1050	800	1250	700	1130	836	2680	1030	821	531	1810
15	1110	1000	800	1250	700	1060	732	2350	894	924	531	1810
16	1170	1290	1000	1150	880	999	698	2150	878	878	521	1900
17	1110	1310	1000	1150	880	1040	698	2040	834	970	500	1980
18	1080	1250	1000	1150	880	1060	681	1900	807	924	510	1960
19	1150	1210	1000	1150	880	1090	681	1770	939	821	531	1860
20	1230	1170	1000	1150	859	1110	1060	1530	1110	753	561	1690
21	1250	1230	1180	1050	950	1060	1940	1570	1450	700	541	1510
22	1210	1270	1180	1050	950	999	1370	1650	1650	664	541	1490
23	1250	1250	1180	1050	950	962	1150	2220	1730	700	541	1490
24	1170	1250	1180	1050	950	980	1020	3930	1880	753	541	1420
25	1150	1290	1180	940	950	962	872	5580	1980	726	541	1290
26	1170	1270	1200	950	870	962	854	6020	1790	652	894	1320
27	1250	1290	1200	950	870	962	818	5070	1650	582	954	1470
28	1290	1330	1200	950	870	944	872	3930	1510	572	1100	1490
29	1290	1290	1200	950	.....	908	890	2750	1360	531	1980	1470
30	1390	1310	1200	950	.....	836	836	2190	1230	541	1810	1440
31	1370	.....	1200	950	.....	818	.....	1790	.....	531	1590	.....
Mean	1330	1310	1100	1130	861	979	942	2930	1090	957	763	1380
Max.	1870	1520	1500	1250	1000	1150	1940	6020	1980	1980	1980	1980
Min.	1080	1000	800	940	649	800	681	1170	490	531	500	652
A. F.	81800	78000	67600	69500	47800	60200	56100	180000	64900	58800	46900	82100
Total Acre-feet	894,000											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT BRIDGEPORT**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1880	1630	1660	1600	1380	1150	1230	1270	1810	1210	718	2420
2	2150	1660	1660	1600	1380	1150	1250	1570	1460	1110	862	2220
3	2310	1780	1660	1600	1380	1150	1230	2490	1230	1150	918	2010
4	2050	1850	1660	1600	1380	1150	1230	3120	1010	1270	899	1990
5	1950	1630	1600	1600	1380	1150	1080	3370	862	1880	956	1790
6	1920	1680	1550	1610	1250	1200	1020	3550	666	2220	1150	1550
7	1920	1730	1120	1610	1080	1250	1020	4180	666	2170	1170	1330
8	1920	1780	1050	1610	900	1320	1020	4360	683	1940	1090	1170
9	1900	1780	1000	1610	700	1430	1020	4250	615	1610	956	1070
10	1880	1780	971	1620	718	1430	1020	3940	615	1550	880	1170
11	1920	1560	1200	1650	900	1500	1000	3740	615	1380	754	1550
12	1920	1660	1200	1650	900	1500	1000	3320	632	1110	649	1970
13	1900	1680	1200	1650	900	1470	1000	3090	683	975	718	2270
14	1880	1730	1200	1650	900	1470	1000	2980	808	918	718	2540
15	1730	1780	1200	1650	900	1520	980	2800	880	1110	683	2620
16	1680	1850	1300	1550	1150	1500	960	2520	826	1090	666	2540
17	1730	1850	1300	1550	1150	1500	923	2250	808	1030	649	2590
18	1730	1800	1300	1550	1150	1470	942	2080	790	1110	615	2590
19	1730	1780	1300	1550	1150	1430	942	1920	790	1010	615	2440
20	1710	1780	1300	1550	1150	1430	1140	2040	918	880	649	2420
21	1710	1780	1450	1400	1250	1380	1750	1810	1330	736	649	2340
22	1710	1780	1450	1400	1250	1380	2150	1700	1610	700	683	2270
23	1710	1680	1450	1400	1250	1380	1780	1970	1660	790	718	2150
24	1680	1590	1460	1400	1250	1310	1500	3040	1810	844	700	2100
25	1630	1560	1500	1400	1250	1310	1270	4580	1940	862	1070	2080
26	1660	1540	1600	1310	1150	1270	1200	6570	2060	862	2220	2290
27	1660	1520	1600	1350	1150	1270	1200	6130	1940	790	1940	2250
28	1660	1590	1600	1350	1150	1250	1230	4920	1770	649	2100	2290
29	1540	1610	1600	1350	.....	1250	1270	3680	1550	615	2420	2320
30	1500	1630	1600	1350	.....	1230	1340	2590	1350	547	3060	2420
31	1540	.....	1600	1350	.....	1230	.....	2080	.....	632	2590	.....
Mean	1800	1700	1400	1520	1120	1340	1190	3160	1150	1120	1110	2090
Max.	2310	1850	1660	1650	1380	1520	2150	6570	2060	2220	3060	2620
Min.	1500	1520	971	1310	700	1150	923	1270	615	547	615	1070
A. F.	111000	101000	86100	93500	62200	82400	70800	194000	68400	68900	68200	124000
Total Acre-feet	1,130,000											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT LISCO**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1490	1820	1760	1800	1400	1650	1340	1430	2040	1030	587	2620
2	1620	1820	1760	1800	1400	1650	1320	1500	1760	1010	660	2300
3	2020	1900	1760	1800	1400	1650	1210	1980	1480	1030	720	2100
4	2140	2020	1700	1800	1400	1650	1230	3390	1360	1240	780	2000
5	2020	2100	1720	1800	1400	1650	1110	3660	1180	1360	765	1910
6	2000	2060	1700	1900	1000	1600	1140	3820	1080	1730	919	1800
7	2060	2140	1250	1900	1000	1600	1190	4150	919	2000	950	1620
8	2100	2100	1250	1900	1000	1600	1230	4660	760	1890	998	1440
9	2060	2000	1250	1900	1000	1600	1250	4620	610	1640	982	1340
10	2040	2040	1250	1900	1000	1600	1160	4700	472	1480	888	1310
11	2040	1980	1300	1950	780	1550	1160	4480	558	1360	765	1440
12	2020	1900	1300	2000	1100	1530	1160	4150	810	1080	690	1980
13	2020	1960	1300	2000	1100	1570	1180	3620	810	810	602	2200
14	2080	1940	1300	2000	1100	1530	1120	3280	795	765	587	2440
15	1980	1920	1300	2000	1100	1470	1040	3200	919	826	572	2850
16	1820	1960	1400	1850	1600	1430	1040	3020	857	1010	544	2880
17	1880	1880	1400	1850	1600	1380	1020	2690	705	1060	500	2720
18	1880	1900	1400	1850	1600	1400	1060	2420	765	1030	486	2920
19	1940	1940	1400	1850	1600	1250	1090	2220	780	904	458	2920
20	1900	1940	1400	1850	1600	1280	1820	2100	1010	735	472	2590
21	1900	1880	1530	1750	1960	1250	2310	2140	1050	602	544	2530
22	2120	1880	1530	1750	1960	1400	2570	1870	1340	587	660	2470
23	2120	1840	1530	1750	1960	1430	2490	2390	1600	660	660	2300
24	2060	1820	1530	1750	1960	1400	1880	2590	1640	645	587	2220
25	2000	1860	1530	1750	1960	1230	1570	4440	1710	765	630	2200
26	2020	1820	1650	1550	1720	1280	1470	6480	1820	765	1730	2470
27	2000	1800	1650	1460	1720	1320	1470	7750	1760	675	2590	2390
28	2020	1780	1650	1500	1720	1340	1340	6820	1580	529	2590	2330
29	1900	1780	1650	1500	.....	1380	1320	5230	1360	388	2390	2240
30	1900	1800	1650	1500	.....	1360	1380	3700	1190	374	2560	2380
31	1840	.....	1650	1500	.....	1300	.....	2560	.....	444	3350	.....
Mean	1970	1920	1500	1790	1430	1460	1390	3580	1160	981	1040	2230
Max.	2140	2140	1700	2000	1960	1650	2570	7750	2040	2000	3350	2920
Min.	1490	1780	1250	1460	780	1230	1020	1430	472	374	458	1310
A. F.	121000	114000	92200	110000	79400	89800	82700	220000	69000	60300	64000	133000
Total Acre-feet	1,240,000											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT OSHKOSH**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1320	2000	1910	1850	1700	2200	1300	1850	2470	1010	412	3480
2	1380	1910	1960	1850	1700	2200	1260	1800	2250	890	512	2700
3	1980	1960	2000	1850	1700	2200	1240	2200	1780	722	540	2540
4	2320	2030	2000	1850	1700	2100	1240	3270	1490	991	626	2130
5	2280	2120	1960	1850	1700	880	1240	3840	1360	1140	642	2010
6	2100	2120	1860	2000	1100	1550	1340	3950	1180	1470	674	1920
7	2000	2100	1360	2270	1100	2380	1320	4140	1080	1800	754	1830
8	2000	1910	1260	2150	1100	3140	1320	4620	770	2060	991	1600
9	1980	1960	1260	2150	1100	2650	1220	4740	658	1900	950	1420
10	1880	1960	1260	2150	1100	1880	1170	4860	610	1600	850	1330
11	1980	1860	1320	2100	930	1810	1150	4680	512	1510	706	1380
12	1880	1860	1320	2100	950	1810	1080	4310	626	1270	596	1740
13	1910	1930	1320	2100	973	1810	1130	3950	674	1050	526	2060
14	1960	1950	1320	2100	1200	1810	1200	3540	582	810	458	2300
15	1980	1900	1320	2100	1400	1810	1200	3350	610	830	390	2600
16	2180	2050	1430	2000	1850	1740	1200	3170	610	870	401	2780
17	2050	2100	1430	2000	1850	1720	1180	2910	526	870	378	2800
18	2100	2030	1430	2000	1850	1680	1280	2700	498	810	378	2880
19	1980	2030	1430	2000	1850	1680	1630	2500	568	754	401	2960
20	1960	1910	1430	2000	1850	1630	1980	2520	754	626	458	3010
21	2050	1880	1550	1850	2150	1650	2480	2540	810	540	470	3040
22	2400	1810	1550	1850	2150	1720	2900	2440	950	568	526	2990
23	2480	1910	1550	1850	2150	1720	3300	2650	1220	568	554	2960
24	2280	1930	1550	1850	2150	1650	2700	2910	1530	610	610	3090
25	2200	1960	1550	1850	2150	1590	2130	3250	1470	738	610	2700
26	2180	1880	1700	1600	2100	1500	1900	4680	1600	790	1420	2650
27	2100	1860	1700	1550	2100	1420	1850	6130	1740	658	2650	2700
28	2080	1960	1700	1530	2100	1460	1900	5860	1620	498	3300	2700
29	2050	1960	1700	1750	.....	1480	1830	5090	1420	321	2540	2620
30	2050	1860	1700	1750	.....	1460	1800	4090	1200	287	2780	2600
31	2050	.....	1700	1750	.....	1360	.....	3140	.....	312	3300	.....
Mean	2040	1960	1570	1920	1630	1800	1620	3600	1110	931	981	2450
Max.	2480	2120	2000	2270	2150	3140	3300	6130	2470	2060	3300	3480
Min.	1320	1810	1260	1530	930	880	1080	1800	498	287	378	1330
A. F.	125000	117000	96500	118000	90500	111000	96400	221000	66000	57200	60300	146000
Total Acre-feet	1,300,000											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT SUTHERLAND**

Year Ending September 30, 1933

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	*	*	*	*	1975	4465	841	114	*	*	*	*
2					1725	2727	714	180				
3					2010	2370	587	241				
4					2590	2080	529	303				
5					2845	1282	472	572				
6					3665	985	665	841				
7					5020	939	858	634				
8					4455	893	1206	427				
9					5315	727	1555	534				
10					5980	561	1496	641				
11					6875	637	1437	684				
12					6330	713	966	728				
13					6040	545	911	837				
14					5155	378	755	947				
15					4560	343	600	653				
16					4235	291	495	360				
17					3970	240	389	310				
18					3775	194	403	260				
19					3585	149	417	231				
20					3240	141	360	203				
21					2845	134	378	320				
22					2735	197	425	438				
23					2705	260	472	539				
24					2405	391	391	641				
25					1875	522	311	588				
26					2695	681	311	535				
27					3055	841	221	1131				
28					4395	932	203	1728				
29					9775	1023	185	4990				
30					7855	932	116	5730				
31					7205		48	3370				
Mean					4210	886	604	960				
Max.					9775	4465	1555	5730				
Min.					1725	134	48	114				
A. F.					259620	52707	37125	58930				

* No record.

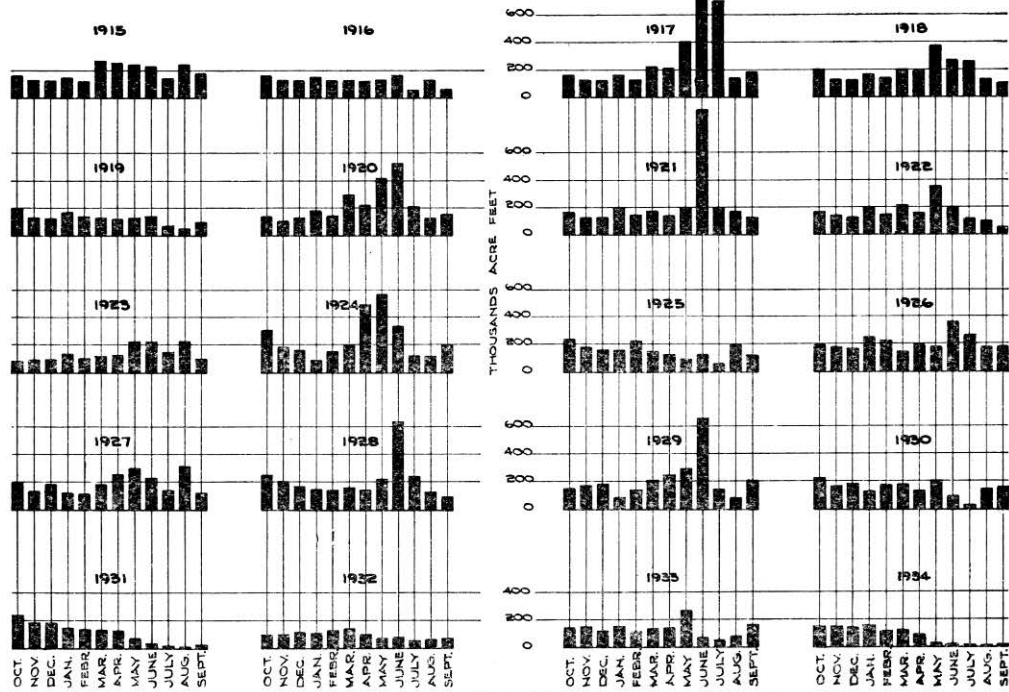
**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT NORTH PLATTE**

Year Ending September 30, 1933

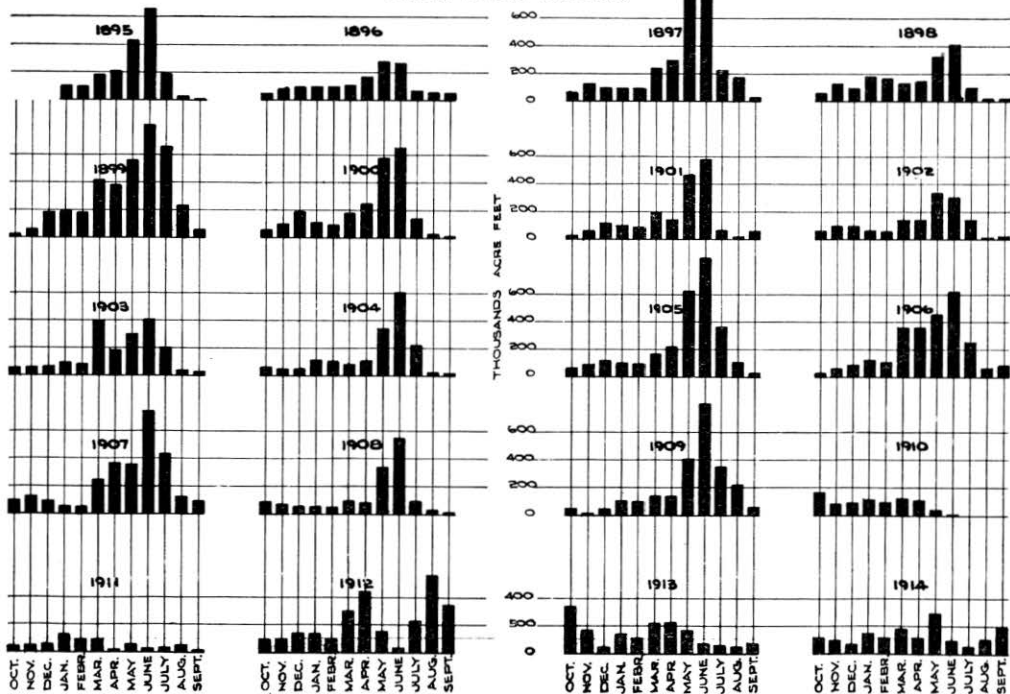
DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1580	2590	2520	2550	2700	2800	2240	2170	4660	1110	612	3120
2	1510	2520	2520	2550	2700	2800	2140	1950	3660	1010	767	3250
3	1480	2620	2520	2550	2700	2800	1920	2300	2480	894	612	3750
4	1600	2620	2480	2590	2700	2800	1810	2850	2140	767	633	3000
5	1840	2660	2520	2600	2700	2800	1680	3120	1840	698	622	2740
6	2550	2620	2140	2700	1800	907	1600	3880	1530	675	842	3170
7	2850	2660	1810	2700	1800	1270	1630	5250	1380	1060	995	2200
8	2740	2740	1500	2700	1800	1440	1650	4660	1700	1040	950	2170
9	2590	2590	1500	2700	1880	1600	1650	5560	1400	1210	920	1980
10	2620	2340	1500	2700	1800	2800	1600	6240	1010	1330	950	1680
11	2660	2200	1550	2850	950	3000	1510	7160	816	1920	980	1560
12	2620	2590	1550	2850	950	3330	1560	6620	868	1460	950	2270
13	2550	2410	1550	2850	950	2770	1510	6320	767	1040	920	2930
14	2550	2480	1550	2850	950	2440	1560	5440	686	920	907	3000
15	2550	2410	1550	2850	950	2440	1600	4830	633	756	855	2770
16	2590	2520	1650	2750	1200	2370	1630	4490	612	654	1010	2850
17	2590	2440	1650	2750	1400	2270	1580	4230	522	602	829	3040
18	2590	2590	1650	2750	1400	2140	1460	3980	432	560	721	3290
19	2550	2700	1650	2750	1400	1780	1380	3790	390	504	664	3250
20	2370	2620	1650	2750	1400	2200	2100	3440	432	494	644	3120
21	2440	2620	2300	2450	2500	2170	3200	3040	375	407	664	3170
22	2410	2700	2300	2450	2500	2080	5200	2930	375	602	855	3170
23	2930	2700	2300	2450	2500	2240	5800	2960	441	767	855	3120
24	2890	2700	2300	2450	2500	2410	4700	2620	504	710	920	3000
25	3040	2590	2300	2450	2500	2340	4000	2110	544	675	1180	2890
26	3080	2550	2500	2600	2800	2240	3800	2930	744	686	950	2810
27	2770	2590	2500	2570	2800	2200	3440	3290	995	622	1140	2590
28	2660	2550	2500	2650	2800	2240	2740	4600	995	551	1810	2410
29	2700	2590	2500	2650		2370	2110	9980	1120	466	5130	2620
30	2590	2590	2500	2650		2340	2110	8050	1250	390	5900	2520
31	2620		2500	2650		2340		7400		329	3530	
Mean	2490	2570	2050	2660	1960	2310	2360	4460	1180	804	1270	2780
Max.	3080	2740	2520	2850	2800	3330	5800	9980	4660	1920	5900	3750
Min.	1480	2200	1500	2450	950	907	1380	1950	375	329	612	1560
A. F.	153000	153000	126000	164000	109000	142000	140000	274000	70200	49400	78100	165000

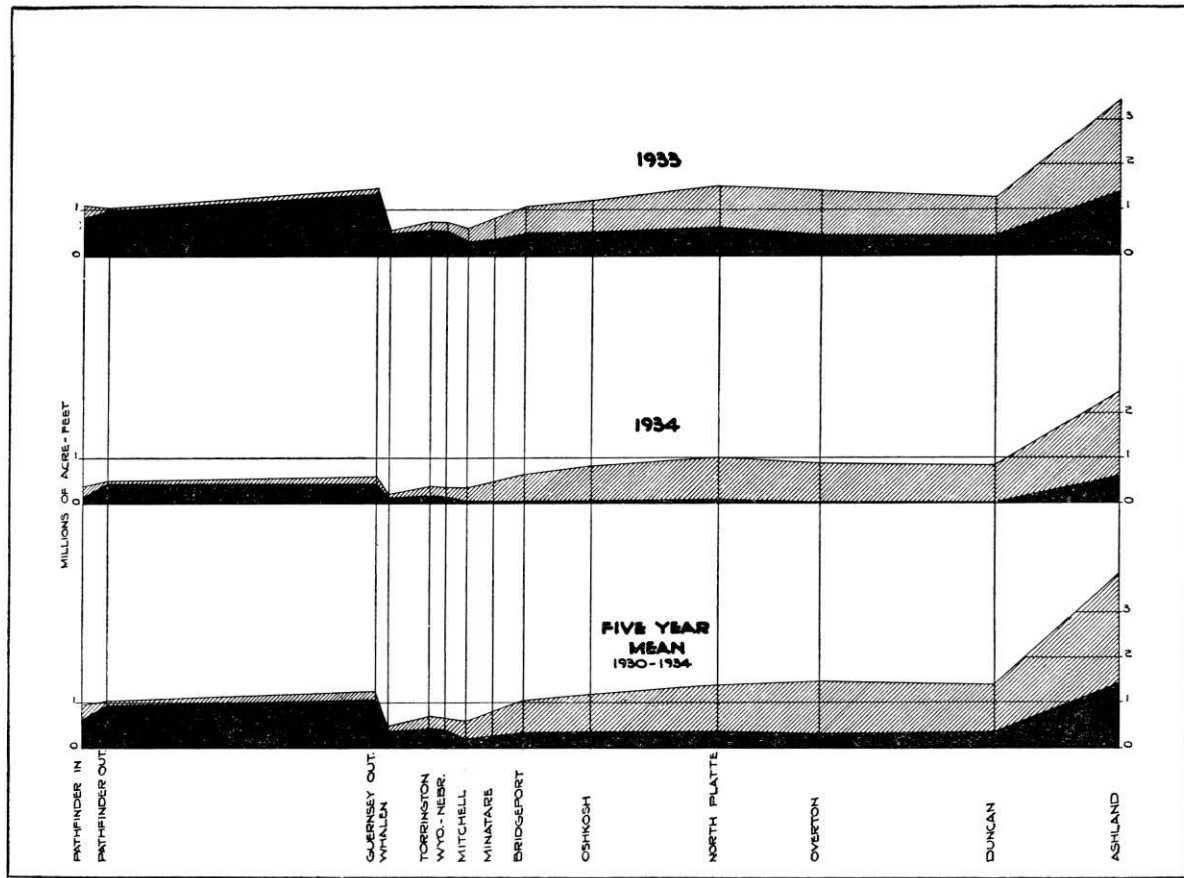
Total Acre-feet 1,620,000

STATE OF NEBRASKA
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF IRRIGATION, WATER, POWER & DRAINAGE
 R. H. WILLIS, CHIEF
DISCHARGE OF NORTH PLATTE RIVER
 AT
NORTH PLATTE
 WATER YEARS 1915-1934




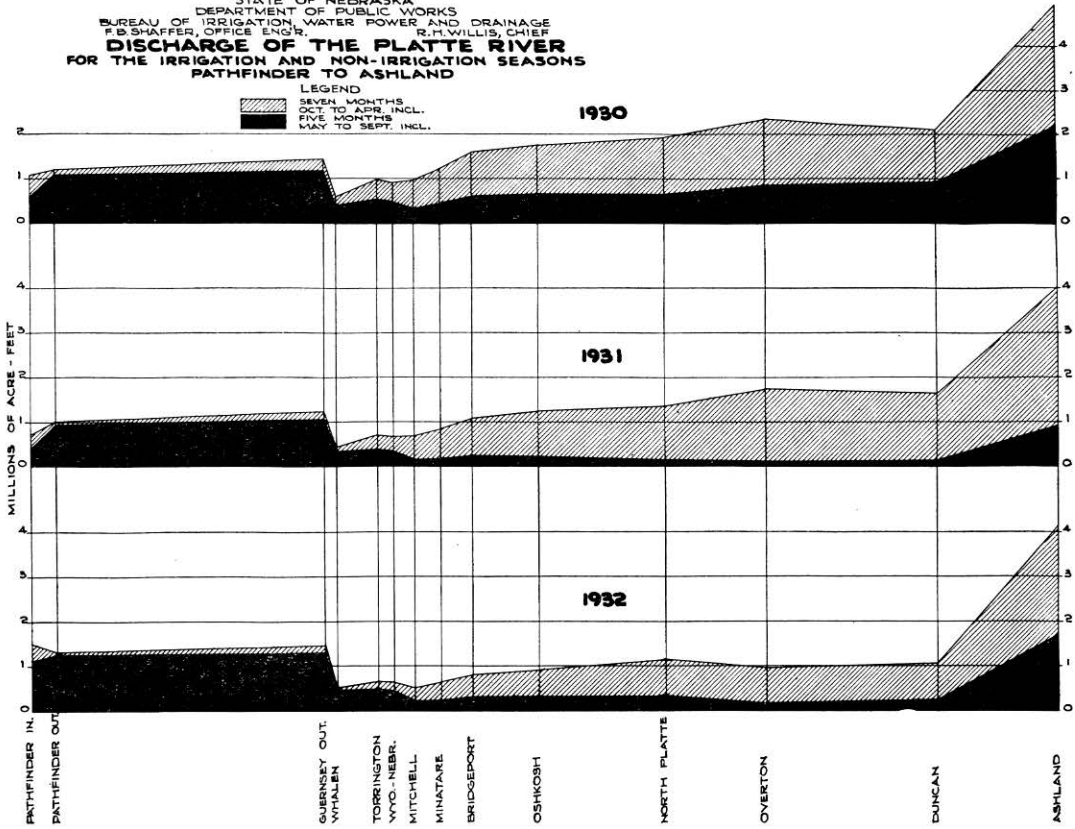
STATE OF NEBRASKA
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF IRRIGATION, WATER POWER & DRAINAGE
 R. H. WILLIS, CHIEF
DISCHARGE OF NORTH PLATTE RIVER
 AT
NORTH PLATTE
 WATER YEARS 1895-1914





STATE OF NEBRASKA
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE
 F. B. SHAFER, OFFICE ENGINEER
DISCHARGE OF THE PLATTE RIVER
 FOR THE IRRIGATION AND NON-IRRIGATION SEASONS
 PATHFINDER TO ASHLAND

LEGEND
 SEVEN MONTHS
 OCT. TO APR. INCL.
 FIVE MONTHS
 MAY TO SEPT. INCL.



**DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT JULESBURG, COLORADO
CHANNELS 1 TO 4 INCLUSIVE
Year Ending September 30, 1933**

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	22	67	121	123	299	357	52	117	121	20	27	470
2	22	67	118	142	254	324	52	84	92	21	27	481
3	22	96	117	144	278	307	53	115	84	20	27	482
4	27	82	112	163	265	301	51	159	74	21	27	490
5	25	77	116	165	249	310	46	183	65	21	27	399
6	25	80	120	186	224	380	43	184	61	20	25	323
7	26	77	124	206	270	285	44	183	60	29	23	253
8	30	108	161	208	327	270	42	183	69	29	43	169
9	32	98	88	229	353	473	43	223	65	55	250	134
10	33	88	85	212	316	427	43	222	52	538	149	116
11	33	103	85	216	308	405	44	337	52	160	77	107
12	33	123	84	237	330	385	44	495	52	97	61	130
13	32	119	94	247	343	376	44	659	52	72	50	151
14	32	112	94	270	301	345	44	584	53	57	45	126
15	32	113	168	287	348	313	43	559	50	51	34	151
16	33	112	148	290	446	311	44	515	49	55	31	186
17	31	117	128	278	547	304	44	473	45	49	29	305
18	35	117	125	302	505	290	37	440	42	44	28	437
19	41	118	152	324	492	271	37	409	36	41	23	462
20	48	112	103	306	480	269	45	373	29	33	25	351
21	48	111	119	308	432	232	65	342	28	33	25	280
22	47	111	105	310	402	215	81	312	42	31	29	232
23	54	113	137	309	402	182	80	260	39	32	27	205
24	56	108	139	280	390	153	79	363	36	30	33	172
25	50	110	126	298	392	142	93	302	34	31	33	152
26	50	110	127	272	379	111	64	271	32	30	67	143
27	49	117	146	312	390	92	44	304	29	28	72	146
28	54	117	147	250	376	80	54	281	28	27	224	143
29	47	119	150	231	.....	76	55	251	28	23	437	139
30	49	119	152	291	.....	65	89	207	25	23	528	135
31	63	.....	153	250	.....	57	.....	163	.....	23	529	.....
Mean	38	104	124	247	361	262	53	308	51	56	98	249
Max.	63	123	168	324	547	473	93	659	121	538	529	490
Min.	22	67	84	123	224	57	37	84	25	20	23	107
A. F.	2340	6190	7620	15200	20000	16100	3170	18900	3020	3460	6010	14800
Total Acre-feet	116,810											

**DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT NORTH PLATTE
Year Ending September 30, 1933**

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	200	425	40	104	57	0	0	80
2	0	0	0	0	200	425	40	83	113	0	0	120
3	0	0	0	0	200	425	40	128	113	0	0	155
4	0	0	0	0	200	425	40	409	83	0	0	194
5	0	0	0	0	200	425	40	409	66	0	0	195
6	0	0	0	0	100	425	40	409	51	0	10	200
7	0	0	0	0	100	425	40	289	40	0	20	200
8	0	0	0	0	100	425	40	202	54	0	23	200
9	0	0	0	0	100	425	40	268	72	0	26	200
10	0	0	0	0	100	425	40	526	28	0	22	200
11	0	0	0	0	75	475	40	381	24	0	17	500
12	0	0	0	0	75	475	40	451	75	0	20	823
13	0	0	0	0	75	475	22	381	42	0	23	542
14	0	0	0	0	75	475	40	247	32	0	20	332
15	0	0	0	0	75	529	40	576	26	0	17	258
16	0	0	0	0	65	500	40	658	17	0	15	194
17	0	0	0	0	100	500	40	658	5	0	12	161
18	0	0	0	100	200	500	40	493	4	0	12	144
19	0	0	0	200	300	500	40	493	3	0	13	144
20	0	0	0	275	400	500	40	353	3	0	9	60
21	0	0	0	295	450	300	40	353	3	0	5	161
22	0	0	0	295	450	300	40	247	1	0	14	232
23	0	0	0	295	450	300	40	268	1	0	23	232
24	0	0	0	295	450	300	40	232	1	0	24	268
25	0	0	0	295	450	300	40	210	0	0	26	232
26	0	0	0	295	450	150	40	210	0	0	32	232
27	0	0	0	295	450	150	75	247	0	0	39	232
28	0	0	0	295	450	150	90	247	0	0	48	210
29	0	0	0	295	.....	150	90	232	0	0	57	161
30	0	0	0	295	.....	150	90	210	0	0	51	161
31	0	.....	0	295	.....	75	.....	172	.....	0	45	.....
Mean	0	0	0	123	234	371	46	327	31	0	20	234
Max.	0	0	0	295	450	529	90	658	114	0	57	823
Min.	0	0	0	0	65	75	22	82	0	0	0	60
A. F.	0	0	0	7560	13000	22800	2710	20100	1810	0	1240	13900
Total Acre-feet	83,100											

**DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT OVERTON**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	871	1990	2880	2700	2750	2500	2270	2970	6800	0	0	3600
2	964	1990	2880	2700	2750	2500	2160	2450	5620	0	0	2490
3	1110	1830	2970	2700	2750	2500	2050	2490	4470	0	0	2510
4	1160	2050	2720	2700	2750	2500	1830	3220	3460	0	0	2540
5	1230	1920	2800	2700	2750	2500	1730	3720	2760	0	0	2560
6	1230	1920	2760	2800	1900	1400	1560	4300	2260	0	0	2290
7	1310	2230	2600	2800	1900	2100	1470	4640	1760	0	0	2030
8	1730	2340	1650	2800	1900	2230	1440	5340	1370	0	0	1720
9	2190	2020	1650	2800	1900	1790	1470	5810	1030	0	0	1500
10	2410	2050	1650	2800	1900	1580	1500	5910	900	0	0	1370
11	2370	1640	1700	2900	1000	2410	1310	6750	760	0	0	1280
12	2370	2340	1700	2900	1000	4490	1260	7560	670	0	0	2030
13	2340	2680	1700	2900	1000	4590	1340	7600	541	0	0	2450
14	2270	3140	1700	2900	1000	4010	1260	7600	444	0	0	2490
15	2120	2160	1700	2900	1000	3580	1180	6720	294	0	0	2600
16	1990	2090	1800	2800	1450	3140	1130	5690	191	0	0	2720
17	1860	2050	1800	2800	1450	2930	1040	5150	113	0	0	2450
18	1950	1760	1800	2800	1450	2880	917	4830	60	0	0	2290
19	2020	2200	1800	2800	1450	2570	825	4470	23	0	0	2370
20	2020	2600	1800	2800	1540	3490	1860	4070	11	0	0	2370
21	2190	2900	2450	2500	2500	3810	4150	3960	67	0	0	2600
22	2410	3360	2450	2500	2500	3960	7190	3420	56	0	0	2600
23	2570	3220	2450	2500	2500	3490	7840	3420	21	0	0	2850
24	3090	2760	2450	2500	2500	3090	6170	3760	8	0	0	2890
25	2680	3050	2450	2160	2500	3090	4890	3370	5	0	0	2890
26	2490	2720	2600	2700	3200	2970	4250	3280	4	0	0	2890
27	2300	2570	2600	2700	3200	2840	3960	3060	3	0	0	2890
28	2410	2620	2600	2700	3200	2640	3770	2890	2	0	0	2890
29	1890	2680	2600	2700	.....	2450	3360	2850	1	0	0	2720
30	2050	2760	2600	2700	.....	2600	3400	4410	1	0	0	2600
31	2050	.....	2600	2700	.....	2410	.....	8190	.....	0	1800	.....
Mean	1990	2390	2260	2720	2060	2870	2620	4640	1120	0	58	2450
Max.	3090	3360	2970	2900	3200	4590	7840	8190	6800	0	1800	3600
Min.	871	1640	1650	2160	1000	1400	825	2450	1	0	0	1280
A. F.	122000	142000	139000	167000	114000	176000	156000	285000	66600	0	3570	146000
Total Acre-feet	1,520,000											

**DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT DUNCAN**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	15	1710	*	1400	1600	5390	2310	3240	2530	0	71	2
2	14	1470	.....	1400	1600	4730	2040	2970	3170	0	14	2
3	15	1570	.....	1400	1600	4880	1800	2620	5880	0	0	2
4	17	1750	.....	1400	1600	6130	1620	2020	4880	0	0	0
5	19	1750	.....	1400	1600	6250	1530	1870	4070	0	2	0
6	17	1620	.....	1800	750	6130	1450	2500	3000	0	5	0
7	17	1490	.....	1800	750	5550	1430	3000	2250	25	6	0
8	17	1280	.....	1800	750	3980	1430	3750	1410	52	5	0
9	19	1660	.....	1800	750	3630	1390	4600	1050	61	5	0
10	21	2150	.....	1800	750	3420	1120	4500	948	34	5	29
11	20	1770	.....	2000	450	2040	1100	5230	675	5	5	262
12	21	1660	.....	2000	450	2750	934	5080	540	10	4	460
13	19	1660	.....	2000	450	2870	802	5500	590	15	3	864
14	96	1350	.....	2300	450	3200	778	5820	478	6	2	1020
15	675	1170	.....	2200	450	3600	990	6070	420	7	1	1190
16	850	334	.....	2500	500	3670	906	6320	295	6	0	1370
17	948	800	.....	2500	550	3560	892	5180	176	20	0	1330
18	962	800	.....	2500	571	3380	778	4690	101	71	0	1220
19	934	800	.....	2500	900	3200	802	4280	47	38	2	1120
20	934	800	.....	2500	1800	1800	802	3900	15	21	2	1050
21	934	1000	.....	2400	3500	1280	802	3710	71	6	0	1050
22	1330	1000	.....	2400	5200	1470	1450	3820	15	6	4	1020
23	284	1000	.....	2400	7870	3980	4320	4190	2	8	6	1050
24	778	1000	.....	2400	6800	4780	5230	4110	0	8	5	1150
25	1750	1000	.....	2400	6380	4240	8130	3000	0	5	2	1120
26	1750	1600	.....	2500	6010	3940	6130	3000	0	5	2	1150
27	1870	1600	.....	2500	4410	2940	4980	3140	0	4	1	1370
28	1970	1600	.....	2500	4880	2750	3670	3310	0	2	1	1410
29	1750	1600	.....	2500	.....	2620	3480	3280	0	2	2	1280
30	1750	1600	.....	2500	.....	2650	3520	2750	0	1	2	1260
31	1770	.....	*	2500	.....	2620	.....	2530	.....	13	2	.....
Mean	696	1350	†800	2130	2260	3660	2220	3870	1090	14	5	726
Max.	1970	2150	.....	2500	7870	6250	8130	6320	5880	71	11	1410
Min.	14	334	.....	1400	450	1280	778	1870	0	0	0	0
A. F.	42800	80300	†49200	131000	126000	225000	132000	238000	64900	855	314	43200
Total Acre-feet	1,133,569											

* No record.
† Estimated.

**DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT ASHLAND**

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3310	4540	4490	2700	3500	14400	12600	12300	5080	1680	1900	2220
2	3420	4440	5080	2700	3500	12900	10800	10900	4640	1650	2090	2560
3	3340	3880	5020	2700	3500	11000	7900	10900	4540	1620	2220	2480
4	3240	3710	5020	2700	3500	9700	8050	9210	6160	1600	2300	2280
5	3130	3790	5130	2700	3500	12900	7200	7690	9450	1660	2180	2200
6	3310	4640	4960	5000	1800	11200	7270	6410	8200	2430	2260	2200
7	3270	4390	2200	5000	1800	11200	6800	6220	7200	1710	3130	2140
8	3670	4340	2200	5000	1800	11600	6610	12600	6540	2180	3240	2090
9	3670	4490	2200	5000	1800	10300	6090	11000	5540	9210	2800	2010
10	3340	4440	2200	5000	1800	8280	5360	11500	4910	15900	2670	1900
11	3540	4440	1150	4500	1200	7200	4960	9540	4850	7690	3160	1850
12	3630	3380	1150	4500	1200	6670	4590	10400	4340	9620	2800	1900
13	3630	3420	1150	4500	1200	6090	4740	11600	3710	12300	2730	3060
14	3500	3670	1150	4500	1200	5190	4150	11100	3580	7690	2410	3790
15	3090	3200	1150	4500	1200	6870	4060	10600	3130	6350	2160	4740
16	2700	2600	1400	4200	1490	7900	3920	10800	2860	4540	1980	5900
17	3200	2600	1400	4200	2200	9290	3380	10400	2430	4290	1960	6940
18	3460	2600	1400	4200	2200	8280	3380	9700	2240	10600	1980	8120
19	3420	2600	1400	4850	2200	10300	3200	9050	2200	8810	2650	8500
20	3710	2600	1400	5000	2200	7550	2860	7900	1980	7270	2660	7000
21	3420	3000	1600	5200	6000	5300	2960	7340	1830	4440	2480	4060
22	4440	3000	1600	5200	6000	4490	3240	6480	1760	3840	2700	3460
23	4290	3000	1600	5200	6000	5300	3090	6940	1730	3500	2960	3130
24	4240	3000	1600	5200	9500	8650	10500	7070	1650	3630	3200	2890
25	4540	3000	1600	5200	10600	9880	8810	8280	1650	2460	3420	2890
26	4800	3400	2200	5000	13400	7200	11400	6540	1600	2370	2990	3340
27	5360	3600	2200	5000	13800	7550	10500	6670	1620	2350	2890	2960
28	3060	3800	2200	5000	12900	6540	10000	6090	1580	2460	2700	3090
29	1730	3970	2200	5000	.....	7200	8420	6090	1570	2320	2620	3090
30	4290	3970	2200	5000	.....	8120	8050	6030	1630	2070	2510	3220
31	4240	.....	2200	5000	.....	12600	.....	5780	.....	1960	2350	.....
Mean	3610	3580	2400	4500	4320	8760	6500	8810	3670	4850	2590	3530
Max.	5360	4640	5130	5200	13800	14400	12600	12600	9450	15900	3420	8500
Min.	1730	2600	1150	2700	1200	4490	2860	5780	1570	1600	1900	1850
A. F.	222000	213000	148000	277000	240000	539000	387000	542000	218000	298000	159000	210000
Total Acre-feet	3,450,000											

PATHFINDER STORAGE RESERVOIR

DAILY CONTENTS IN ACRE-FEET
Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	121210	111710	139850	165350	189200	218880	263950	331670	241270	179180	69440	2380
2	120890	112500	140780	166410	190120	220380	266060	331400	231660	178350	63490	2395
3	120620	113340	141610	167360	191070	221830	268110	329640	222620	177470	57520	2450
4	120340	114450	142450	168220	192010	223290	270400	327110	213520	176650	51600	2460
5	120020	114900	143300	169080	192960	224700	272710	326150	211880	175840	45240	2460
6	119600	115350	143900	169620	193900	226040	274790	326060	210370	176040	39700	2450
7	118410	116030	144500	170160	195020	227320	276870	326150	207380	175600	34750	2440
8	116970	117020	144900	170700	196140	228620	278480	326060	203290	173240	30240	2430
9	115670	118010	145300	171240	197300	229930	280260	326240	203900	168430	25980	2460
10	114450	118960	145700	171780	198760	231170	282040	326410	199980	163500	22600	2500
11	112990	120110	146300	172480	199800	232490	283680	326930	199130	158640	18460	2500
12	111580	121490	147000	173180	200840	233870	286110	326930	198270	153880	15610	2510
13	110040	122870	147810	173950	201870	235250	288660	327370	197240	147910	13120	2530
14	108480	123810	148730	174610	202920	236650	291540	328150	196140	142010	11040	2590
15	106980	124560	149490	175270	204040	238120	294500	330170	194960	136970	9290	2610
16	105820	125590	150210	175990	205210	239590	297590	331930	193840	132070	7720	2650
17	104670	126630	150920	176760	206390	241130	300540	333160	192780	127000	6440	2680
18	104960	127610	151530	177530	207510	242690	303930	333080	191600	124890	5110	2710
19	105220	128620	152150	178300	208620	244280	306920	331930	190600	122870	4580	2720
20	105430	129620	152810	179070	209740	245860	309410	329820	189720	120800	4260	2720
21	105640	130440	153730	179800	210810	247370	312240	325890	188560	116880	3870	2720
22	105860	131260	154640	180520	211880	248810	314590	321390	187330	112110	3370	2740
23	106120	132120	155560	181250	212950	250200	316870	315770	185830	107190	2890	2720
24	106590	133030	156530	182040	214100	251580	319500	309410	184960	102400	2440	2760
25	107020	134040	157500	182880	214930	252970	322160	301940	184270	100650	2450	2780
26	107670	135050	158490	183770	215760	254430	324670	294500	183490	98230	2520	2910
27	108310	136100	159580	184670	216600	255890	327280	286980	182540	94360	2520	2980
28	108960	137060	160620	185600	217450	257350	329120	278560	181700	89600	2510	3050
29	109600	137990	161820	186530	.....	258900	330790	269740	180920	84890	2510	3150
30	110260	138970	163020	187400	.....	260450	331760	260970	180070	80200	2435	3230
31	110920	.....	164290	188270	.....	261930	.....	251290	.....	75240	2380	.....

Record furnished by the United States Bureau of Reclamation.

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
INTO PATHFINDER RESERVOIR**
Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	390	400	440	530	470	720	1020	1110	620	130	30	80
2	450	400	470	540	460	760	1060	1300	830	170	50	96
3	470	420	420	480	480	730	1030	1010	1050	150	20	111
4	480	560	420	430	470	740	1150	1160	940	140	15	91
5	450	230	300	440	480	710	1170	1210	850	170	15	84
6	410	230	300	270	470	670	1050	1500	820	640	300	80
7	400	340	300	270	570	650	1050	1600	930	340	320	80
8	340	500	200	280	570	650	810	1510	510	240	240	78
9	450	500	200	270	580	660	900	1670	470	180	170	79
10	440	480	200	270	740	630	900	1630	540	130	60	103
11	320	580	300	350	520	660	830	1820	480	100	160	89
12	340	700	350	350	530	700	1220	1590	470	180	180	85
13	270	700	410	390	520	700	1290	1730	390	60	100	96
14	260	470	470	330	530	700	1450	1910	340	90	10	114
15	270	380	380	330	560	740	1490	2070	290	90	5	93
16	440	520	370	360	590	740	1560	1940	300	90	35	105
17	440	520	360	390	600	770	1490	1700	320	100	150	98
18	470	490	310	390	560	790	1710	1530	290	90	85	98
19	440	510	310	390	560	800	1510	1470	390	30	160	88
20	370	500	330	390	560	800	1250	1380	450	30	200	83
21	360	410	460	370	540	760	1430	1070	290	40	170	83
22	310	410	460	360	540	720	1190	1230	260	40	90	93
23	330	430	460	370	540	700	1150	1200	210	80	90	73
24	400	460	490	400	580	700	1330	1200	220	110	95	103
25	360	510	490	420	420	700	1340	1040	230	60	140	93
26	430	510	500	450	420	740	1270	1090	190	160	120	149
27	420	530	550	450	420	730	1630	1010	160	550	110	123
28	400	480	520	470	430	740	1570	850	170	140	105	133
29	400	480	610	470	-----	780	1530	970	210	240	110	113
30	410	490	610	440	-----	780	1180	1120	160	190	70	124
31	410	-----	640	440	-----	750	-----	640	-----	50	80	-----
Mean	391	471	412	390	525	720	1252	1363	446	155	112	98
Max.	480	700	640	540	740	800	1710	2070	1050	640	320	149
Min.	260	230	200	270	420	630	830	640	160	30	5	73
A. F.	24070	28050	25320	23980	29180	44470	74500	83820	26540	9560	6910	5830

Total Acre-feet 382,230
Record furnished by the United States Bureau of Reclamation.

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
OUTFLOW PATHFINDER RESERVOIR**
Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	600	0	0	0	0	0	0	1020	5660	510	2900	80
2	590	0	0	0	0	0	0	1400	5570	510	3000	83
3	590	0	0	0	0	0	0	1840	5530	510	2980	83
4	590	0	0	0	0	0	0	2390	5470	510	2950	84
5	590	0	0	0	0	0	0	1620	1600	500	3200	83
6	590	0	0	0	0	0	0	1470	1520	500	3070	83
7	980	0	0	0	0	0	0	1480	2390	500	2800	83
8	1040	0	0	0	0	0	0	1480	2510	1340	2510	83
9	1030	0	0	0	0	0	0	1480	1630	2540	2240	83
10	1030	0	0	0	0	0	0	1480	960	2540	2020	83
11	1030	0	0	0	0	0	0	1480	830	2510	1810	83
12	1030	0	0	0	0	0	0	1480	830	2510	1600	83
13	1030	0	0	0	0	0	0	1480	830	2970	1340	83
14	1020	0	0	0	0	0	0	1480	830	2980	1050	83
15	1020	0	0	0	0	0	0	1000	830	2550	880	83
16	1020	0	0	0	0	0	0	950	830	2470	820	83
17	1020	0	0	0	0	0	0	950	830	2590	790	83
18	330	0	0	0	0	0	0	1470	830	1090	750	83
19	310	0	0	0	0	0	0	1950	830	990	420	83
20	260	0	0	0	0	0	0	2360	830	990	360	83
21	250	0	0	0	0	0	0	2930	830	1930	360	83
22	200	0	0	0	0	0	0	3410	830	2380	340	83
23	195	0	0	0	0	0	0	3940	830	2510	330	83
24	165	0	0	0	0	0	0	4310	600	2480	320	83
25	140	0	0	0	0	0	0	4750	530	890	130	83
26	100	0	0	0	0	0	0	4760	520	1360	80	83
27	100	0	0	0	0	0	280	4730	520	2490	110	83
28	75	0	0	0	0	0	580	5030	520	2500	110	83
29	75	0	0	0	0	0	600	5310	510	2570	110	83
30	75	0	0	0	0	0	600	5460	510	2510	110	83
31	80	-----	0	0	0	0	-----	5430	-----	2520	105	-----
Mean	553	0	0	0	0	0	69	2591	1578	1798	1277	83
Max.	1040	0	0	0	0	0	600	5460	5660	2980	3200	84
Min.	75	0	0	0	0	0	0	950	510	500	80	80
A. F.	34070	0	0	0	0	0	4090	159310	93899	110560	78537	4930

Total Acre-feet 485,396
Report furnished by the United States Bureau of Reclamation.

GUERNSEY STORAGE RESERVOIR
DAILY CONTENTS IN ACRE-FEET
Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	33500	46980	48340	42140	41530	39380	38690	36380	23620	42610	30860	11970
2	32700	47110	48170	42300	41630	39250	38920	35190	23700	43130	30080	12000
3	31640	47300	48050	42340	41900	39180	39250	34110	24300	43470	28910	11980
4	29880	47430	48090	42360	41950	39570	39470	33740	30160	43620	28180	11980
5	27970	47510	48850	42370	42000	39860	39720	34490	35990	43840	27200	11920
6	27600	47510	48400	42410	42000	40300	40030	36600	38320	43640	26520	11910
7	27460	47510	48090	42150	41990	40320	40350	39740	38480	43390	26270	11880
8	27090	47620	46900	42000	41930	40390	40650	42410	35860	41850	26110	11870
9	26720	47870	46740	41860	41910	40410	41080	44370	33000	38380	25510	11860
10	26500	48260	46590	41710	41880	40320	41530	46300	32590	34350	24490	11900
11	26950	48510	46490	41510	41860	40230	42020	48190	32960	30270	23550	11950
12	27530	48860	46250	41440	41860	40170	42600	50020	32420	27940	23060	11870
13	28020	48990	46020	41470	41820	40030	43440	51840	31950	25920	23080	12150
14	28590	49200	45830	41440	41760	39890	44220	53760	32020	24190	22690	12160
15	29640	49300	45640	41530	41760	39760	44950	55660	32300	22450	21930	12010
16	31350	49360	45410	41490	41760	39590	45700	57390	32890	22220	22480	12050
17	33360	49400	45110	41440	41750	39490	46460	58730	33090	23320	23700	11860
18	35340	49440	44600	41440	41690	39350	46800	58820	33900	24430	25180	11760
19	37350	49540	44130	41540	41670	39180	46760	57160	34680	26680	26360	11700
20	39370	49690	43750	41560	41600	39060	46530	54820	35440	29180	26590	11580
21	41120	49630	43490	41650	41490	38890	46020	52400	36150	29160	25600	11640
22	42120	49570	43300	41730	41420	38690	45220	49670	36830	28540	24130	11770
23	42990	49570	43340	41750	41200	38620	44390	47410	37510	26810	22430	11770
24	43640	49440	43420	41750	41940	38530	43380	45300	38260	25570	20500	11800
25	44260	49280	43250	41670	41500	38500	42510	43180	39100	25570	18310	11820
26	44820	49090	43120	41530	41140	38500	41560	40980	40030	26780	16160	11900
27	45350	49090	42730	41420	41790	38470	40540	40230	40900	30400	14130	12000
28	45870	48840	42450	41250	41490	38470	39540	38620	41460	29050	12360	12060
29	46190	48560	42210	41250	.....	38420	38670	37120	41950	28200	11560	12160
30	46510	48410	42000	41300	.....	38500	37600	35760	42310	29670	11840	12320
31	46740	.....	42000	41380	.....	38600	.....	35010	.....	30650	12060	.....

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
INTO GUERNSEY RESERVOIR
Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1717	374	283	240	323	225	261	284	4969	544	2250	290
2	982	350	302	280	320	220	291	331	5087	563	2117	262
3	814	354	304	246	389	233	367	419	5209	524	2176	297
4	688	305	295	274	327	450	317	666	6302	521	2574	313
5	684	309	283	252	272	393	311	891	5283	606	2644	277
6	848	247	208	246	279	507	341	1533	5012	508	2711	286
7	869	291	241	127	249	312	361	1912	3501	490	2864	265
8	769	292	286	114	239	337	362	1733	2063	524	2989	269
9	768	384	288	110	259	295	387	1386	1869	519	2738	261
10	828	488	271	114	265	235	433	1325	2318	508	2556	257
11	1166	390	257	115	254	246	458	1305	2280	438	2420	289
12	1223	376	284	160	216	217	482	1303	1768	1561	2119	278
13	1202	303	266	210	233	214	603	1247	1358	1972	1930	482
14	1218	364	292	243	244	209	605	1275	1095	2070	1723	386
15	1287	271	297	245	247	215	605	1293	1072	2001	1573	299
16	1308	288	254	222	237	210	558	1282	1236	2544	1451	267
17	1309	311	190	160	242	235	578	1351	1024	2558	1401	229
18	1305	284	124	200	234	236	535	1148	1084	2229	1216	230
19	1320	297	122	245	206	205	500	963	989	2169	947	207
20	1298	271	160	226	229	247	467	901	960	2271	874	198
21	1167	277	205	266	224	216	419	1118	928	1385	848	195
22	746	316	245	240	229	212	373	1502	920	1092	784	196
23	651	334	366	290	147	278	390	1948	907	894	658	190
24	608	310	381	291	154	251	299	2501	866	1295	522	205
25	577	301	228	197	70	259	332	3022	834	1932	401	170
26	514	291	109	156	29	237	329	3441	855	2321	411	205
27	499	285	100	166	93	259	301	4308	813	3657	431	210
28	494	284	101	156	117	258	296	4235	657	1799	436	200
29	382	275	137	195	.....	207	362	4338	616	1283	449	226
30	351	282	158	288	.....	261	276	4529	551	2346	443	220
31	374	.....	247	299	.....	256	.....	4860	.....	2238	337	.....
Mean	902	317	235	212	226	262	407	1882	2081	1463	1516	255
Max.	1717	488	304	299	389	507	605	4860	6302	2558	2989	482
Min.	351	247	100	110	29	205	261	284	551	438	337	170
A. F.	55470	18850	14450	13040	12550	16130	24200	115730	123828	89970	93210	15190

Total Acre-feet 592,610

Record furnished by the United States Bureau of Reclamation.

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
OUTFLOW OF GUERNSEY RESERVOIR
Year Ending September 30, 1934**

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1515	253	318	170	247	280	216	899	5166	393	2144	335
2	1385	285	387	200	269	285	175	931	5047	301	2510	247
3	1348	258	364	226	253	269	200	963	4906	352	2766	307
4	1575	239	274	264	302	253	206	852	3348	446	2942	313
5	1647	269	404	247	247	247	185	513	2798	495	3138	307
6	1035	247	434	226	269	285	185	470	3384	609	3054	291
7	939	291	397	258	264	302	200	330	3420	616	2990	280
8	955	237	381	190	269	302	211	387	3384	1300	3070	274
9	955	258	369	180	269	285	170	398	3310	2268	3040	266
10	939	291	346	190	280	280	206	352	2525	2540	3070	237
11	939	264	307	216	264	291	211	352	2093	2495	2894	264
12	931	200	404	195	216	247	190	381	2040	2735	2366	318
13	955	237	381	195	253	285	180	330	1595	2990	1920	341
14	931	258	387	258	274	280	211	307	1060	2942	1920	381
15	758	221	393	200	247	280	237	335	931	2878	1956	375
16	446	258	369	242	237	296	180	410	939	2660	1174	247
17	296	291	341	185	247	285	195	676	923	2004	786	324
18	307	264	381	200	264	307	364	1103	675	1669	470	280
19	307	247	369	195	216	291	520	1799	596	1035	352	237
20	280	195	352	216	264	307	583	2080	577	1011	758	258
21	285	307	335	221	280	302	676	2338	570	1395	1347	165
22	242	346	341	200	264	313	779	2878	577	1405	1525	131
23	212	334	346	280	258	313	808	3087	564	1766	1515	190
24	280	375	341	291	285	296	808	3564	488	1920	1495	190
25	264	381	313	237	291	274	770	4090	410	1932	1505	160
26	232	387	175	226	211	237	808	4550	386	1711	1495	165
27	232	285	296	221	269	274	815	4686	375	1832	1455	160
28	232	410	242	242	269	258	800	5047	375	2480	1328	170
29	2221	416	258	195	.....	232	800	5094	369	1711	852	175
30	190	358	264	258	.....	221	815	5214	369	1605	302	140
31	258	.....	247	264	.....	206	.....	5238	.....	1744	226	.....
Mean	21091	288	339	222	260	276	423	1912	1773	1653	1718	251
Max.	1647	416	434	291	302	313	815	5238	5166	2990	3138	381
Min.	190	195	175	170	211	206	170	307	369	302	226	131
A. F.	41830	17180	20860	13660	14440	17020	25200	118320	105522	101630	111800	14930

Total Acre-feet 602,390
Record furnished by the United States Bureau of Reclamation.

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
PASSING WHALEN, WYOMING
Year Ending September 30, 1934**

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	156	87	108	49	157	230	116	52	1710	137	295	91
2	431	121	177	58	174	222	65	52	1678	117	343	41
3	499	88	157	76	161	206	80	57	1673	117	315	40
4	700	71	76	94	205	173	86	67	2022	209	207	68
5	745	76	194	97	147	162	65	86	1488	259	187	74
6	135	63	224	76	159	210	65	80	1526	387	140	69
7	39	92	187	78	154	227	80	75	1081	394	65	59
8	53	61	171	60	159	227	111	75	854	470	72	40
9	53	111	159	30	159	210	70	98	793	784	41	42
10	37	118	136	30	170	205	96	80	866	730	52	39
11	42	88	102	51	172	208	91	75	811	472	50	31
12	36	64	194	30	116	157	70	70	777	418	54	70
13	55	78	171	30	153	195	70	60	826	424	50	67
14	44	78	177	88	174	190	101	60	799	366	50	127
15	30	63	183	32	172	205	127	60	810	312	50	120
16	221	83	159	72	162	221	70	130	817	233	50	54
17	96	119	151	38	155	210	95	386	732	245	50	36
18	115	79	191	50	164	232	54	781	484	248	50	38
19	117	85	179	50	116	201	60	1213	385	215	50	32
20	88	47	162	80	164	217	56	1499	385	671	50	20
21	89	142	155	171	180	212	65	1531	379	1133	50	20
22	63	181	161	150	164	223	60	1505	386	1143	74	20
23	72	169	166	205	158	202	60	1414	373	1182	48	20
24	99	217	161	209	185	186	60	1456	297	1092	54	20
25	90	223	133	149	161	164	50	1677	330	1109	33	20
26	60	204	35	138	86	127	60	1902	135	1051	36	15
27	62	103	86	121	144	164	60	1750	125	1021	37	10
28	55	220	42	154	144	148	55	1867	127	1335	33	10
29	52	226	71	95	.....	122	55	1784	121	407	40	10
30	30	168	67	163	.....	111	60	1814	117	292	30	10
31	106	.....	68	169	.....	96	.....	1802	.....	364	30	.....
Mean	144	118	142	93	158	189	738	763	764	559	87	41
Max.	745	226	224	209	205	230	127	1867	2022	1335	343	127
Min.	30	47	35	30	86	96	50	52	117	117	30	10
A. F.	8860	6990	8740	5740	8757	11630	4390	46930	45436	34390	5328	2620

Total Acre-feet 189,810
Record furnished by the United States Bureau of Reclamation.

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT TORRINGTON, WYOMING**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	856	560	600	524	440	400	436	192	1570	447	548	282
2	805	560	610	491	425	415	447	208	1630	415	491	299
3	856	598	610	502	436	458	447	223	1700	365	458	308
4	941	585	570	524	447	469	458	208	2050	365	425	345
5	1090	572	490	535	469	415	458	200	1830	425	395	325
6	689	535	570	560	458	425	447	192	1700	480	345	365
7	572	524	580	470	458	447	436	223	1370	502	316	325
8	513	535	580	480	458	469	425	238	1030	513	290	325
9	491	560	585	502	447	458	415	215	941	598	264	345
10	469	513	585	490	458	458	405	223	924	689	223	335
11	458	513	585	490	469	436	405	192	890	610	192	335
12	436	502	560	490	447	425	395	177	907	524	192	335
13	425	480	572	480	425	436	385	150	924	502	185	355
14	415	491	513	475	436	425	385	101	975	491	170	345
15	415	524	500	490	447	425	385	93	1170	469	162	365
16	635	524	495	480	436	469	415	80	1170	469	162	375
17	660	535	510	450	425	458	355	144	1150	480	156	345
18	648	535	513	436	425	447	335	415	1010	469	170	365
19	622	548	585	425	425	480	247	689	873	415	247	345
20	635	535	585	425	425	480	230	1030	822	535	185	335
21	635	535	585	425	458	502	208	1090	747	958	144	308
22	635	491	560	415	480	524	177	1110	732	1240	138	308
23	622	530	535	395	458	502	177	1030	689	1260	132	282
24	598	570	524	425	395	502	177	994	648	1260	119	282
25	625	570	535	447	345	491	177	1260	718	1350	113	308
26	622	570	598	420	300	480	185	1390	776	1350	113	316
27	585	570	524	410	325	480	192	1320	622	1280	208	316
28	572	490	535	390	350	480	200	1390	572	1320	223	308
29	535	520	598	380	.....	480	215	1480	513	1110	230	299
30	572	570	535	420	.....	480	200	1520	458	689	282	316
31	535	.....	513	458	.....	469	.....	1540	.....	598	299	.....
Mean	618	538	556	461	427	461	327	623	1037	715	244	327
Max.	1090	598	610	560	480	524	458	1540	2050	1350	548	375
Min.	415	480	490	380	300	400	177	80	458	365	113	282
A. F.	38020	32020	34200	28370	23740	28330	19480	38310	61710	43990	15030	19430
Total Acre-feet	382,600											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER,
WYOMING- NEBRASKA LINE**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	700	623	642	561	456	604	495	87	1390	314	419	193
2	711	595	652	535	456	595	518	93	1390	297	377	220
3	799	587	642	518	463	570	510	93	1410	292	364	206
4	870	604	595	544	440	570	518	91	1760	276	327	249
5	1070	604	518	561	412	544	510	93	1720	292	303	259
6	858	623	587	578	440	544	487	96	1520	327	270	254
7	614	614	587	487	440	544	471	108	1140	398	225	225
8	518	662	604	487	448	552	440	114	810	391	198	202
9	535	623	587	502	463	561	448	100	690	448	160	249
10	561	544	623	487	471	570	440	98	700	552	139	230
11	561	535	604	502	463	535	440	78	681	487	120	249
12	518	578	578	502	471	495	297	74	681	405	106	265
13	510	561	604	495	440	495	270	45	690	370	96	270
14	518	570	614	495	448	518	281	40	777	384	87	249
15	502	595	614	527	479	518	286	28	944	370	76	249
16	604	587	595	527	495	527	297	21	1080	364	72	303
17	722	578	614	510	495	510	281	24	1010	391	66	249
18	690	604	487	471	487	518	286	93	944	370	64	270
19	662	552	510	456	479	510	244	384	799	314	80	259
20	633	518	561	471	479	527	181	672	700	364	89	240
21	652	535	570	456	518	527	198	870	662	834	64	189
22	662	535	561	495	518	527	181	986	604	1250	58	198
23	652	578	570	437	495	535	185	972	570	1290	58	202
24	623	623	561	518	450	561	164	918	552	1240	56	177
25	642	633	578	510	430	552	142	1080	570	1290	60	193
26	642	614	544	471	380	544	142	1320	604	1220	66	206
27	642	614	502	433	400	527	128	1360	518	1200	120	216
28	642	527	518	426	450	518	106	1340	456	1140	142	225
29	614	561	544	398	.....	518	96	1370	398	986	142	206
30	604	604	544	398	.....	535	93	1340	351	614	172	211
31	623	.....	544	448	.....	518	.....	1410	.....	463	206	.....
Mean	650	586	576	492	460	538	304	497	871	611	154	230
Max.	1070	662	652	578	518	604	518	1410	1760	1290	419	303
Min.	502	518	487	398	380	495	93	21	351	276	56	177
A. F.	39970	34870	35410	30260	25520	33060	18120	30540	51810	37550	9480	13710
Total Acre-feet	360,300											

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT MITCHELL

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1140	880	832	817	728	912	548	150	196	95	115	60
2	1400	880	817	832	748	896	562	135	184	95	102	66
3	1460	864	802	817	758	848	616	140	184	87	99	76
4	1510	802	832	758	748	786	530	125	292	83	99	69
5	1600	773	802	714	748	802	657	106	616	95	102	63
6	1640	832	848	714	748	802	630	95	422	91	102	66
7	1330	896	912	714	773	758	589	80	301	87	102	66
8	1160	912	832	748	788	748	535	66	166	80	102	63
9	1090	832	839	758	802	728	523	54	130	76	95	72
10	1140	802	864	748	802	728	589	45	120	76	87	80
11	1110	817	848	728	788	728	589	48	125	91	83	72
12	1040	817	817	728	788	748	548	54	135	106	80	69
13	992	832	848	773	748	748	472	57	135	80	76	72
14	960	802	848	728	699	748	422	57	150	66	76	72
15	912	817	864	714	684	788	411	54	196	60	76	72
16	864	788	864	748	657	773	411	51	220	57	76	72
17	992	758	848	786	670	748	388	51	214	60	80	72
18	1030	1050	788	802	684	773	377	48	190	66	76	72
19	1060	786	788	758	684	728	366	60	172	69	69	72
20	1060	758	864	758	684	714	344	63	160	72	66	80
21	1080	802	896	748	670	684	332	69	150	72	63	87
22	1060	832	880	748	619	670	332	72	150	87	63	87
23	1030	864	848	728	630	670	310	72	140	115	66	91
24	992	848	832	728	550	684	310	76	140	145	66	95
25	976	848	817	714	500	699	301	72	140	190	66	95
26	1010	864	758	748	450	616	283	102	140	178	63	99
27	992	912	773	748	480	616	247	172	130	166	63	102
28	992	864	802	748	650	657	196	172	115	155	63	102
29	976	864	817	773	.....	684	178	178	110	140	63	99
30	928	896	817	748	.....	643	160	184	102	135	63	99
31	944	.....	802	728	.....	602	.....	196	.....	130	63	.....
Mean	1112	843	832	752	668	733	429	93	188	100	79	78
Max.	1640	1050	912	832	802	912	657	196	616	190	115	102
Min.	864	758	758	714	450	602	160	45	102	57	63	60
A. F.	68370	50170	51170	46220	38240	45080	25500	5760	11160	6160	4890	4680
Total Acre-feet	357,400											

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT MINATARE

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1500	1290	1280	1100	1040	1050	1060	232	154	110	94	106
2	1640	1240	1410	1040	1040	1280	1040	210	128	105	86	117
3	1640	1280	1330	977	1080	1030	1030	210	887	103	80	128
4	1660	1200	1290	1040	1080	928	994	210	396	96	74	143
5	1870	1130	1200	1040	1080	862	977	200	486	98	76	138
6	1920	1220	1130	1030	1040	830	911	174	505	95	82	143
7	1590	1280	1180	977	1060	800	894	160	440	96	74	134
8	1440	1280	1150	994	1080	800	911	141	315	94	70	134
9	1310	1330	1130	1060	1060	820	894	117	238	103	69	211
10	1220	1280	1180	1100	1040	840	878	113	219	105	108	270
11	1240	1280	1150	1060	994	830	894	92	226	101	105	237
12	1310	1240	1130	960	977	870	815	68	230	102	86	225
13	1410	1160	1130	928	1010	870	695	57	185	100	75	219
14	1460	1130	1200	1030	994	890	695	52	172	86	73	206
15	1480	1080	1200	1010	994	890	695	36	302	77	63	206
16	1410	1150	1180	1040	994	900	653	23	452	68	61	205
17	1460	1130	1130	977	1030	900	639	20	380	60	63	202
18	1520	1110	1100	1030	960	900	611	18	284	76	63	187
19	1460	1080	1080	994	931	910	597	18	252	70	56	143
20	1370	1040	1130	944	931	950	555	18	247	60	55	136
21	1290	1110	1150	960	928	970	516	18	232	60	56	234
22	1370	1200	1150	960	944	977	529	18	246	55	54	242
23	1330	1240	1100	994	960	994	503	17	234	60	69	241
24	1290	1200	1040	994	800	928	451	74	224	87	68	229
25	1240	1130	1010	960	650	1010	451	19	233	122	77	233
26	1310	1060	930	1030	550	1010	401	19	216	178	82	235
27	1350	1040	950	1060	600	1100	341	41	171	164	80	247
28	1390	1040	1100	1040	700	1150	274	91	136	147	85	253
29	1310	1130	1100	1040	.....	1150	284	98	139	136	116	251
30	1310	1240	1120	1060	.....	1150	242	114	115	124	115	261
31	1350	.....	1100	1010	.....	1100	.....	129	.....	122	106	.....
Mean	1434	1177	1144	1014	948	958	681	90	281	98	78	197
Max.	1920	1330	1410	1100	1080	1280	1060	232	887	178	116	270
Min.	1220	1040	930	928	550	800	242	17	115	55	54	106
A. F.	88170	70060	70330	62360	52660	58910	40520	5570	16750	6070	4800	11730
Total Acre-feet	487,900											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT BRIDGEPORT**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2380	1900	1590	1350	1270	1770	1180	363	166	197	64	68
2	2410	1740	1970	1300	1250	1790	1160	424	156	186	61	75
3	2350	1690	1900	1400	1250	1720	1110	424	280	163	61	117
4	2330	1660	1820	1480	1230	1540	1070	306	868	153	59	130
5	2410	1770	1820	1550	1230	1390	1070	277	482	197	84	124
6	2410	1660	1770	1720	1300	1350	1020	277	588	190	81	119
7	2330	1740	1790	1660	1350	1320	1020	257	490	139	124	127
8	2050	1790	1800	1490	1420	1250	1090	257	398	149	80	129
9	1950	1770	1810	1450	1440	1250	1140	180	318	168	88	160
10	1840	1740	1820	1380	1540	1250	1070	129	268	194	281	249
11	1840	1720	1840	1590	1520	1270	998	142	290	183	151	299
12	1840	1690	1790	1490	1440	1260	1040	135	310	170	140	271
13	1900	1590	1720	1370	1420	1260	1020	164	272	176	123	266
14	1900	1520	1720	1350	1370	1240	954	164	275	163	129	262
15	1900	1440	1620	1200	1300	1200	976	164	292	136	118	258
16	1920	1420	1540	1200	1270	1180	998	135	582	147	126	248
17	1920	1440	1540	1270	1320	1100	954	116	614	103	93	260
18	2050	1520	1590	1300	1270	1020	998	90	465	80	73	253
19	2080	1690	1560	1200	1270	1020	954	79	401	65	80	200
20	1950	1660	1620	1180	1300	1040	1040	70	322	60	71	172
21	1820	1590	1660	1270	1200	1090	998	70	310	58	64	215
22	1790	1540	1640	1300	1250	1110	844	70	387	59	76	265
23	1820	1560	1590	1300	1230	1180	800	84	358	60	81	274
24	1790	1620	1490	1270	1150	1180	720	90	333	58	74	295
25	1820	1640	1440	1300	1000	1250	660	103	340	72	78	313
26	1920	1590	1300	1320	700	1250	585	122	273	97	87	355
27	1950	1520	1250	1320	800	1230	554	84	240	121	87	332
28	1970	1490	1200	1320	1000	1230	539	55	238	94	71	339
29	2000	1440	1150	1320	.....	1180	524	60	232	76	70	345
30	2000	1440	1200	1320	.....	1180	448	129	208	65	76	355
31	1900	.....	1250	1320	.....	1200	.....	156	.....	68	63	.....
Mean	2017	1619	1606	1364	1253	1268	918	167	359	124	94	229
Max.	2410	1900	1970	1720	1540	1790	1180	424	868	197	281	355
Min.	1790	1420	1150	1180	700	1020	448	55	156	58	59	68
A. F.	124000	96360	98780	83880	69600	77950	54510	10270	21230	7630	5780	13640
Total Acre-feet	663,600											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT LISCO**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2310	1670	1650	1550	1690	1500	1200	563	135	248	12	37
2	2280	1580	1990	1550	1580	1700	1220	563	140	170	11	43
3	2510	1530	2050	1550	1580	1900	1240	2440	162	140	9	43
4	2480	1650	1800	1550	1510	2180	1340	1050	333	140	8	46
5	2480	1600	1650	1550	1450	1720	1380	700	1060	257	9	104
6	2440	1720	1560	1650	1430	1670	1240	552	846	203	11	87
7	2540	1850	1620	1650	1360	1600	1240	519	608	148	15	64
8	2510	1880	1620	1650	1430	1580	1170	486	508	125	9	58
9	2080	1800	1670	1650	1400	1600	1170	465	413	87	22	98
10	1910	1850	1690	2006	1560	1580	1240	403	248	75	28	118
11	1800	1850	1580	1850	1470	1560	1200	362	178	110	508	185
12	1720	1850	1620	1850	1490	1560	1170	343	403	212	304	294
13	1690	1770	1560	1850	1560	1580	1150	314	333	178	203	324
14	1670	1690	1600	1850	1580	1510	1170	330	333	170	140	343
15	1650	1690	1560	1850	1510	1530	1110	300	574	178	69	353
16	1650	1690	1560	1700	1490	1580	1190	230	820	140	49	343
17	1740	1690	1450	1700	1620	1510	1130	148	748	98	104	304
18	1850	1650	1580	1700	1560	1560	1150	140	585	58	98	248
19	2020	1650	1600	1700	1510	1530	1130	148	541	43	46	203
20	1990	1670	1560	1700	1510	1530	1060	132	424	14	22	203
21	1880	1580	1560	1640	1510	1490	1060	132	382	11	14	148
22	1820	1530	1560	1640	1580	1490	966	98	454	11	28	125
23	1850	1490	1560	1640	1510	1490	950	81	508	28	28	148
24	1820	1470	1450	1620	1450	1450	950	104	486	104	37	178
25	1850	1530	1320	1550	1200	1430	911	194	486	52	19	203
26	1880	1510	1450	1500	800	1380	885	178	403	64	15	230
27	1880	1600	1450	1500	900	1340	846	155	285	18	52	257
28	1850	1650	1450	1500	1100	1320	846	118	230	16	28	314
29	1820	1580	1450	1500	.....	1260	796	98	230	16	16	343
30	1690	1580	1450	1500	.....	1200	677	110	257	12	19	353
31	1670	.....	1450	1500	.....	1280	.....	130	.....	12	22	.....
Mean	1978	1662	1585	1651	1441	1536	1093	374	437	101	63	193
Max.	2540	1880	2050	2000	1690	2180	1380	2440	1060	257	508	353
Min.	1650	1470	1320	.....	800	1200	677	81	135	11	8	37
A. F.	121600	98880	97430	101500	80010	94430	65030	22980	26010	6220	3880	11500
Total Acre-feet	729,500											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT OSHKOSH**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2540	2180	2260	1750	1580	1400	1350	611	95	167	0	26
2	2570	2180	2570	1750	1630	1600	1350	650	222	106	0	24
3	2730	2130	2520	1750	1660	2000	1350	1500	174	66	0	26
4	2620	2180	2340	1750	1630	2280	1390	2400	247	57	0	26
5	2520	2570	2030	1750	1510	1760	1510	2200	400	112	0	30
6	2490	2600	1700	1730	1490	1630	1560	1400	611	118	0	45
7	2490	2600	1860	1730	1540	1560	1610	750	460	77	0	31
8	2490	2840	1830	1730	1560	1510	1680	600	539	54	0	23
9	2310	2280	1800	1730	1580	1510	1700	472	400	50	0	54
10	2130	2360	1780	1790	1760	1590	1660	400	293	47	0	77
11	2080	2410	1580	1850	1760	1440	1540	345	213	47	0	82
12	1960	2440	1780	1850	1700	1370	1400	345	272	60	83	152
13	2000	2260	1880	1850	1700	1370	1360	388	293	112	160	251
14	2030	2210	1830	1850	1660	1350	1320	376	255	89	118	290
15	2130	2160	1830	1850	1560	1390	1320	272	496	83	72	313
16	2100	2160	1830	1800	1560	1390	1320	196	878	101	34	338
17	2130	2210	1700	1800	1630	1390	1260	188	768	83	20	334
18	2180	2230	1900	1800	1560	1390	1230	167	656	47	16	316
19	2310	2230	1930	1800	1540	1370	1170	132	582	27	13	281
20	2360	2280	1860	1800	1660	1350	1100	118	472	1	1	237
21	2260	2260	1800	1780	1630	1280	1100	66	345	0	0	210
22	2260	2180	1780	1780	1560	1300	1060	28	412	0	2	154
23	2260	2360	1780	1780	1460	1420	995	23	345	0	5	157
24	2360	2230	1630	1780	1250	1490	956	24	400	0	0	205
25	2280	2340	1540	1780	1100	1580	917	66	436	0	0	222
26	2280	2310	1600	1750	900	1580	858	146	388	0	0	231
27	2210	2440	1600	1750	950	1560	784	132	355	0	0	234
28	2180	2440	1600	1750	1050	1540	752	125	272	0	0	304
29	2180	2390	1600	1640	.....	1440	672	106	230	0	0	311
30	2260	2310	1600	1540	.....	1370	640	77	247	0	0	336
31	2130	.....	1600	1470	.....	1460	.....	66	.....	0	0	.....
Mean	2285	2326	1837	1758	1506	1505	1230	464	392	48	16	177
Max.	2730	2840	2570	.....	1760	2280	1700	2400	878	167	160	338
Min.	1960	2130	1540	1470	900	1280	640	23	95	0	0	23
A. F.	140500	138400	112900	108100	83640	92570	73220	28500	23320	2980	1040	10550
Total Acre-feet	815,700											

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT MARTIN**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2600	2200	2180	1900	2210	1500	1760	561	114	443	0	4
2	2600	2200	2210	1900	2030	2200	1760	610	127	299	0	7
3	2600	2200	2650	1900	1930	2700	1600	961	218	227	0	6
4	2600	2200	2680	1900	1810	3480	1640	2650	280	201	0	5
5	2600	2200	2430	1900	1780	2370	1810	2560	236	398	0	2
6	2500	2650	2180	1950	1780	1930	1850	1480	70	271	0	8
7	2500	2650	2000	1950	1810	1850	1760	1120	537	178	0	6
8	2500	2650	2050	1950	1880	1810	1620	894	398	163	0	5
9	2040	2650	2000	2080	1830	1880	1550	879	432	156	0	54
10	2020	2650	1980	2000	1830	1930	1480	682	347	134	0	149
11	2000	2400	1780	2050	1900	1880	1400	525	299	134	0	104
12	2000	2400	1400	2050	1980	1850	1290	500	299	98	0	87
13	2000	2400	1730	2050	1880	1850	1310	454	387	104	0	104
14	2000	2400	2000	2050	1850	1730	1310	477	500	104	0	201
15	2000	2400	2130	2050	1730	1750	1330	454	863	104	61	290
16	2300	2380	2160	2000	1780	1790	1380	357	1290	82	92	328
17	2300	2380	2000	2000	1900	1670	1440	290	1600	76	23	421
18	2300	2380	1880	2000	1810	1630	1420	245	1210	46	4	421
19	2300	2380	2180	2000	1780	1600	1350	262	1010	26	2	432
20	2300	2370	2400	2000	1900	1500	1160	236	894	9	2	376
21	2300	2320	2400	1950	2000	1420	1160	210	740	6	2	347
22	2300	2290	2160	1950	2180	1530	1140	142	711	2	3	262
23	2300	2260	2210	1950	1600	1640	1140	104	785	2	3	227
24	2300	2110	1980	1950	1500	1600	927	109	668	1	3	218
25	2260	2080	1620	2050	1100	1550	944	98	770	0	2	245
26	2220	2000	1750	1950	870	1550	1010	82	639	0	1	262
27	2220	2050	1750	2260	900	1530	961	142	573	0	0	254
28	2220	2130	1750	2240	1020	1660	894	156	488	0	1	290
29	2220	2110	1750	2080	.....	1640	832	120	443	0	0	328
30	2220	2050	1750	1880	.....	1600	696	142	410	0	0	338
31	2220	.....	1750	2210	.....	1730	.....	163	.....	0	0	.....
Mean	2285	2318	2029	2005	1735	1818	1331	570	578	105	6	193
Max.	.....	.....	2680	2260	2210	3480	1850	2650	1600	443	92	432
Min.	.....	2000	1400	1880	870	1420	696	82	70	0	0	2
A. F.	140500	137900	124700	123300	96340	111800	79190	35040	34390	6470	395	11470
Total Acre-feet	901,500											

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT NORTH PLATTE

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2520	2700	2820	1900	2360	1200	1870	593	55	123	41	192
2	2560	2560	3230	2150	2420	2000	1890	494	78	108	44	219
3	2740	2420	2820	2150	2560	2600	1840	434	171	118	44	242
4	2930	2390	2970	2150	2740	3200	1870	556	185	92	44	185
5	3180	1980	3270	2150	2490	3800	1920	1870	171	128	41	158
6	3310	2140	2890	2700	2360	3230	1980	3100	151	134	41	134
7	3140	2300	2670	2600	2360	2520	2000	1610	158	205	44	134
8	2930	3230	2330	2600	2230	2300	2030	1110	113	264	50	128
9	3020	3060	2300	2600	2260	2170	1870	843	68	212	50	192
10	3100	2780	2260	2600	2300	2000	1820	761	65	205	52	538
11	2850	2520	2120	2700	2260	2120	1430	449	58	205	47	449
12	2630	2520	2030	2700	2300	2060	1480	390	68	198	52	328
13	2520	2590	2120	2700	2390	2060	1530	369	97	185	55	264
14	2490	2590	2120	2700	2490	1980	1530	390	178	151	61	192
15	2630	2630	2630	2700	2490	1950	1530	405	556	118	72	192
16	2630	2560	2850	2500	2490	1980	1610	369	1140	118	82	205
17	2490	2520	2740	2500	2560	1450	1610	307	1040	113	144	256
18	2460	2490	2850	2500	2670	2000	1580	264	1070	68	317	271
19	2420	2420	2700	2500	2060	2090	1350	219	1040	55	185	307
20	2300	2460	2700	2500	2170	2060	1300	185	843	50	123	338
21	2260	2560	2890	2550	2330	1920	1140	192	647	50	102	420
22	2420	2670	3060	2550	2170	1890	1110	178	720	44	134	449
23	2460	2300	2630	2550	1700	1870	1110	151	574	44	198	449
24	2490	2390	2170	2550	1300	1870	1020	144	434	44	164	390
25	2420	2490	2000	2550	1100	1840	1040	164	405	41	158	380
26	2490	2390	684	2460	850	1840	904	164	286	55	134	380
27	2460	2390	538	2360	900	1870	802	134	205	75	123	359
28	2420	2390	948	2490	1000	1870	843	118	198	58	118	317
29	2490	2490	1350	2170	.....	1760	802	92	171	50	134	317
30	2590	2590	1690	2060	.....	1690	802	78	134	47	279	338
31	2630	.....	1890	2520	.....	1840	.....	65	.....	47	192	.....
Mean	2645	2517	2331	2465	2118	2098	1454	523	369	110	107	291
Max.	3310	3230	3270	.....	2740	3800	2030	3100	1140	264	317	538
Min.	2260	1980	538	1900	850	1200	802	65	55	41	41	128
A. F.	162600	149800	143300	151600	117600	129000	86510	32130	21970	6750	6600	17300
Total Acre-feet	1,025,000											

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT JULESBURG, COLORADO

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	135	251	183	305	294	386	102	40	27	73	18	21
2	131	241	218	314	294	587	100	41	26	65	17	22
3	131	232	248	316	284	610	98	50	28	64	18	23
4	135	240	275	319	264	522	105	122	29	57	17	22
5	136	229	296	316	214	431	119	256	27	51	17	21
6	132	237	291	317	191	314	119	381	26	46	19	22
7	134	251	301	306	179	315	111	354	26	44	19	23
8	134	255	305	351	165	307	99	243	24	41	19	23
9	134	259	310	340	147	270	103	184	24	42	19	27
10	133	263	314	307	156	249	97	144	25	43	19	31
11	133	268	308	306	170	232	90	108	24	44	19	26
12	129	265	318	314	176	201	84	89	23	43	19	24
13	122	217	318	317	183	185	71	83	23	42	19	23
14	122	207	321	319	176	167	67	75	56	37	16	22
15	121	168	315	304	159	158	69	68	814	35	16	23
16	127	139	318	313	152	148	70	61	1190	32	18	23
17	138	124	306	307	170	179	74	55	1610	30	26	26
18	144	124	314	308	185	195	71	49	1390	31	25	31
19	148	127	316	314	184	217	66	47	776	29	19	31
20	149	122	311	312	197	177	62	43	543	25	18	35
21	153	132	308	309	219	135	59	41	410	24	17	39
22	154	128	313	309	246	109	61	37	292	23	23	38
23	158	128	318	302	275	108	62	34	228	28	24	38
24	159	142	304	306	298	162	57	33	193	24	23	40
25	156	145	300	305	215	187	53	32	152	23	22	43
26	184	137	318	307	151	208	49	31	130	22	22	42
27	211	133	304	305	205	196	47	31	111	22	26	42
28	226	133	340	303	296	169	42	31	98	19	26	41
29	239	147	332	302	.....	143	40	30	88	19	23	35
30	242	174	309	302	.....	120	40	28	81	17	23	35
31	247	.....	315	302	.....	109	.....	28	.....	17	23	.....
Mean	154	187	302	312	209	242	76	92	283	36	20	30
Max.	247	268	340	351	298	610	119	381	1610	73	26	43
Min.	121	122	183	302	147	108	40	28	23	17	16	21
A. F.	9470	11100	18600	19200	11600	14900	4530	5650	16800	2210	1250	1770
Total Acre-feet	117,080											

Record furnished by the State of Colorado.

**DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT NORTH PLATTE**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	161	70	100	400	202	550	54	3	0	37	0	0
2	144	70	202	400	232	740	54	3	0	28	0	0
3	113	70	161	400	232	592	39	3	0	10	0	0
4	100	80	139	400	217	437	63	13	0	5	0	0
5	96	180	139	400	194	367	57	39	0	4	0	0
6	92	200	139	387	194	367	39	39	0	3	0	0
7	88	200	202	387	194	311	39	39	0	1	0	0
8	83	195	202	387	161	437	43	42	0	0	0	0
9	79	195	202	387	161	311	42	39	0	0	0	5
10	79	195	289	387	134	311	39	54	0	0	0	5
11	79	195	202	500	144	311	23	63	0	0	0	4
12	60	194	250	500	134	202	23	69	0	0	0	3
13	66	194	310	500	117	289	23	69	0	0	0	3
14	79	194	364	500	144	202	35	69	0	0	0	1
15	88	194	350	500	172	202	35	75	0	0	0	2
16	79	202	360	550	144	128	42	57	0	0	0	2
17	72	202	360	625	144	128	42	42	0	0	0	1
18	66	202	360	720	117	187	32	32	0	0	0	2
19	72	150	360	493	117	104	26	17	0	0	0	2
20	72	139	360	493	117	92	26	6	0	0	0	2
21	72	128	400	465	100	75	17	5	720	0	0	2
22	66	109	437	332	100	75	14	0	1060	0	0	2
23	72	109	353	232	100	75	13	0	699	0	0	0
24	72	92	172	232	100	75	11	0	559	0	0	0
25	66	92	165	109	100	96	6	0	409	0	0	2
26	70	92	320	332	60	69	6	0	258	0	0	0
27	70	100	320	289	120	69	6	0	166	0	0	0
28	70	100	320	268	350	54	6	0	113	0	0	0
29	70	83	320	109	.....	42	5	0	113	0	0	0
30	70	92	320	332	.....	26	4	0	72	0	0	0
31	70	.....	320	395	.....	75	.....	0	.....	0	0	.....
Mean	82	144	274	400	154	226	29	25	139	3	0	1
Max.	161	202	437	720	350	740	63	75	1060	37	0	5
Min.	60	70	100	109	60	26	4	0	0	0	0	0
A. F.	5030	8560	16860	24620	8530	13880	1710	1540	8270	170	0	79
Total Acre-feet	89,200											

**DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT OVERTON**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2520	1890	2930	.....	3700	1000	2000	214	0	0	0	0
2	2560	1890	3910	.....	3320	2000	1960	160	0	0	0	0
3	2450	1820	3910	.....	3100	2600	2110	144	0	0	0	0
4	2410	1960	3860	.....	2890	3000	2180	123	0	0	0	0
5	2330	1820	3320	1550	2640	3500	2140	92	0	0	0	0
6	2290	1760	3510	.....	2410	3600	2140	70	0	0	0	0
7	2220	2140	3860	.....	2180	3280	2140	53	0	0	0	0
8	2140	2290	3650	.....	2030	2970	2070	206	0	0	0	0
9	2110	2260	3510	.....	1960	2520	1960	323	0	0	0	0
10	2140	2930	3460	.....	1890	2260	1820	144	0	0	0	0
11	2220	2760	3060	.....	1890	2030	1720	63	0	0	0	0
12	2030	2680	1960	.....	1930	1860	1590	29	0	0	0	0
13	2070	2290	1310	.....	1930	1760	1340	9	0	0	0	0
14	2030	2410	1370	.....	1930	1760	1250	7	0	0	0	0
15	1890	2450	1620	.....	2000	1690	1170	5	0	0	0	0
16	1820	2410	2070	.....	2030	1560	1090	3	0	0	0	0
17	1820	2410	2200	.....	2070	1500	1030	3	0	0	0	0
18	1760	2410	2200	.....	2220	980	1030	2	0	0	0	0
19	1690	2450	2200	.....	2260	2030	1060	1	0	0	0	0
20	1620	2450	2200	.....	1960	2290	980	0	0	0	0	0
21	1690	2330	2500	.....	2220	2110	930	0	0	0	0	0
22	1620	2490	2500	.....	2030	2000	855	0	0	0	0	0
23	1620	2490	2500	.....	2070	1890	805	0	0	0	0	0
24	2000	2410	2500	.....	1700	1860	714	0	0	0	0	0
25	2030	2520	2500	.....	1100	1790	670	0	0	0	0	0
26	2070	2490	780	.....	800	1760	582	0	0	0	0	0
27	2110	2410	352	.....	650	1720	502	0	0	0	0	0
28	2140	2290	444	.....	900	1690	424	0	0	0	0	0
29	2140	2260	1230	.....	.....	1690	352	0	0	0	0	0
30	2110	2180	1090	.....	.....	1690	308	0	0	0	0	0
31	2000	.....	1280	.....	.....	1930	.....	0	.....	0	0	.....
Mean	2053	2312	2380	2700	2065	2075	1297	53	0	0	0	0
Max.	2560	2930	3910	.....	3700	3600	2180	323	0	0	0	0
Min.	1620	1760	352	.....	650	980	308	0	0	0	0	0
A. F.	126200	137600	146400	166000	114700	127600	77200	3270	0	0	0	0
Total Acre-feet	899,000											

**DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT GRAND ISLAND**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1540	1330	2600	*	1700	2500	2170	384	0	0	0	0
2	1540	1330	3970	.....	2640	2500	2400	290	0	0	0	0
3	1540	1510	3560	.....	4250	2500	1980	226	0	0	0	0
4	1510	1400	3090	.....	3840	2500	2170	180	0	0	0	0
5	1450	1280	2840	.....	2840	5700	2280	172	0	0	0	0
6	1350	1480	2640	.....	2560	5130	2090	90	0	0	0	0
7	1350	1430	2360	.....	2320	5240	2050	52	0	0	0	0
8	1350	1730	2520	.....	2170	4010	2010	19	0	0	0	0
9	1350	1630	2720	.....	2280	3350	1830	2	0	0	0	0
10	1350	1700	2640	.....	2200	2880	1660	0	0	0	0	0
11	1570	1760	1980	.....	2440	2680	1430	0	0	0	0	0
12	1570	2280	1430	.....	2440	2360	1160	25	0	0	0	0
13	1570	2200	1380	.....	2600	2130	1210	83	0	0	0	0
14	1640	2090	1460	.....	2800	2090	1100	66	0	0	0	0
15	1600	2050	1500	.....	2840	2130	1070	23	0	0	0	0
16	1200	2130	1630	.....	2880	2050	1040	0	0	0	0	0
17	1200	2010	2100	.....	3010	1460	1020	0	0	0	0	0
18	1200	2050	2100	.....	2800	1300	992	0	0	0	0	0
19	1200	2090	2100	.....	2400	1560	890	0	0	0	0	0
20	1200	2170	2100	.....	2280	3700	946	0	0	0	0	0
21	1020	2050	2900	.....	1400	2200	1010	0	0	0	0	0
22	1090	2010	2900	.....	1400	1700	946	0	0	0	0	0
23	1230	2130	2900	.....	1400	1700	904	0	0	0	0	0
24	1170	2240	2900	.....	1400	1700	848	0	0	0	0	0
25	1260	2010	2900	.....	1400	1940	834	0	0	0	0	0
26	1330	2130	1300	.....	400	1900	781	0	0	0	0	0
27	1480	2240	1300	.....	400	1870	666	0	0	0	0	0
28	1560	2200	1300	.....	400	1900	618	0	0	0	0	0
29	1560	2280	1300	*	.....	1730	538	0	0	0	0	0
30	1510	2320	1300	1400	.....	1730	465	0	0	0	0	0
31	1530	.....	1300	1380	.....	1940	.....	0	.....	0	0	.....
Mean	1388	1909	2226	†1900	2196	2519	1304	52	0	0	0	0
Max.	1640	2320	3970	*	4250	5700	2400	384	0	0	0	0
Min.	1020	1280	1300	*	400	1300	465	0	0	0	0	0
A. F.	85330	113600	137000	†116800	122000	154900	77570	3200	0	0	0	0
Total Acre-feet 810,400												
* No record												
† Estimated												

**DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT DUNCAN**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1120	1240	*	*	*	1500	1820	347	0	0	0	0
2	1050	1310	.....	.....	.....	2500	2250	284	0	0	0	0
3	1020	1530	.....	.....	.....	3860	2420	216	0	0	0	0
4	1020	1620	.....	.....	.....	4410	2090	192	0	0	0	0
5	1070	1530	.....	.....	.....	8580	1890	176	1	0	0	0
6	1050	1510	.....	.....	*	5500	2200	168	53	0	0	0
7	990	1660	.....	.....	3340	5800	2170	138	30	0	0	0
8	934	1450	.....	.....	*	6140	2040	79	76	0	0	0
9	962	1660	.....	.....	.....	5000	1890	16	28	0	0	0
10	1010	1920	.....	.....	.....	4000	1820	14	5	0	0	0
11	1120	1940	.....	.....	.....	3170	1290	11	2	0	0	0
12	1200	1890	.....	.....	.....	2840	1330	7	2	0	0	0
13	1310	2250	.....	.....	.....	2420	1570	12	2	0	0	0
14	1290	2330	.....	.....	.....	2450	1570	11	2	0	0	0
15	1290	2070	.....	.....	*	2200	1410	11	2	0	0	0
16	1350	2090	.....	.....	2590	2310	1370	9	5	0	0	0
17	1240	2090	.....	.....	2720	1800	1220	7	7	0	0	0
18	1190	2120	.....	.....	*	2000	1050	5	3	0	0	0
19	976	2220	.....	.....	.....	2150	920	3	2	0	0	0
20	826	2250	.....	.....	.....	1680	1020	3	2	0	0	0
21	802	2310	.....	.....	.....	3450	1150	3	2	0	0	0
22	864	2200	.....	.....	.....	2720	962	3	2	0	0	0
23	920	2150	.....	.....	.....	2250	878	9	3	0	0	0
24	934	2150	.....	.....	.....	2090	864	7	2	0	0	0
25	1010	1820	.....	.....	.....	2040	934	3	2	0	0	0
26	1120	2120	.....	.....	.....	1850	686	7	0	0	0	0
27	1170	1850	.....	.....	.....	2150	708	7	0	0	0	0
28	1280	1970	.....	.....	*	2070	708	7	0	0	0	0
29	1370	1990	.....	.....	.....	1990	520	7	0	0	0	0
30	1450	2120	.....	.....	.....	2020	420	2	0	0	0	0
31	1490	.....	*	*	.....	2020	.....	1	.....	0	0	.....
Mean	1111	1912	†2100	†2000	†2300	3063	1372	57	8	0	0	0
Max.	1490	2330	*	*	*	8580	2420	347	76	0	0	0
Min.	802	1240	*	*	*	1500	420	1	0	0	0	0
A. F.	68290	113800	†129100	†123000	†127700	188400	81660	3500	462	0	0	0
Total Acre-feet 835,900												
* No record.												
† Estimated.												

**DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT ASHLAND**

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3380	3610	5210	1000	7100	1200	5800	2660	1270	1300	1300	1750
2	2920	3930	7110	1000	7100	3000	5420	2700	1280	1250	1100	1750
3	2800	3840	10500	1000	7100	4500	5360	2440	1270	1380	873	1750
4	2730	4120	10200	1600	7100	7000	6640	2630	1220	1340	828	1750
5	2650	5160	9630	1000	7100	9050	9140	2550	1280	1340	733	4160
6	2620	4550	8310	1500	8820	11300	5630	2440	1380	1340	704	3000
7	2650	4160	7760	1500	7200	10500	5860	2480	1600	1470	733	2740
8	2700	3840	6640	1500	7200	9220	5580	2440	2900	1490	920	2130
9	2700	3650	6140	1500	7200	10600	5260	3560	7460	1750	880	1780
10	2700	3800	5630	1500	6900	8000	4650	3200	12000	5000	750	1700
11	3200	4260	5860	3300	6700	6000	4650	2550	8140	5000	733	1800
12	3200	4360	5210	3300	9550	4400	3840	2480	4210	3380	752	1650
13	3200	4210	2630	3300	9720	4800	4020	2330	2740	2480	795	1670
14	3610	4160	1430	3300	6200	4800	4500	2330	2370	1750	828	1720
15	3650	4550	1560	4110	5970	4800	3700	2200	1750	1380	964	2860
16	3740	5000	1780	5000	5520	4800	3700	2000	1650	1120	4800	2370
17	3740	4500	2780	5000	5360	4850	3070	1970	1720	1060	5200	2230
18	3610	4210	3340	5000	5000	4800	3110	1940	1970	990	3600	2160
19	3520	4160	3160	5000	5000	4750	2740	1720	2030	912	2200	2230
20	3650	4400	4260	5000	5000	3650	2440	1560	7180	849	1800	1970
21	3650	4400	4310	6000	2500	4210	2550	1540	3740	784	1600	1630
22	3160	4450	4310	6000	2500	4260	2860	1470	2820	733	1600	1780
23	3240	4400	6700	6000	2500	5970	2550	1430	2330	685	1600	1720
24	3290	5050	5500	6000	2500	6640	2130	1400	2000	648	1600	1860
25	3290	5260	4500	6000	2500	6270	2030	1380	1720	631	1600	2030
26	3470	5360	1000	4500	386	5520	1970	1360	1750	614	1500	2260
27	3560	4950	1000	4500	450	5000	2200	1380	1580	597	1500	2480
28	3840	5000	1000	4500	750	4950	2330	1400	1400	700	1500	3070
29	3380	4750	1000	4500	.....	5100	2480	1380	1270	880	1500	3200
30	3560	5000	1000	4500	.....	5210	2550	1340	1380	1200	1500	2300
31	3520	.....	1000	4500	.....	5210	.....	1320	.....	1600	1500	.....
Mean	3256	4436	4531	3607	5390	5818	3959	2051	2847	1473	1532	2183
Max.	3840	5360	10500	6000	9720	11300	9140	3560	12000	5000	5200	4160
Min.	2620	3610	1000	1000	386	1200	1970	1320	1220	597	704	1630
A. F.	200200	264000	278600	221800	299400	357700	235600	126100	169400	90550	94200	129900
Total Acre-feet	2,467,000											

**TABULATION SHOWING FLOW OF THE PLATTE RIVER IN
PERCENTAGE FOR COMPARISON WITH TEN YEAR MEAN
IRRIGATION AND NON-IRRIGATION SEASONS
1933-1934**

STATION	*MEAN ACRE-FEET			PER CENT OF MEAN					
				1933			1934		
	7 Mo.	5 Mo.	12 Mo.	7 Mo.	5 Mo.	12 Mo.	7 Mo.	5 Mo.	12 Mo.
Pathfinder Inflow.....	452290	985550	1437840	62	87	79	55	13	27
Whalen (Below).....	181700	682290	863990	23	78	66	30	20	22
Mitchell.....	549450	667010	1216460	58	52	53	58	5	29
Bridgeport.....	831750	834000	1665750	73	63	68	72	7	39
North Platte.....	1217720	927070	2144790	79	69	74	77	9	47
Overton.....	1558760	990670	2549430	65	51	59	58	0	35
Average.....	.....	.....	.....	62	67	67	58	9	33

* Mean based on 10 year record (1923-1932 inclusive).

VISIBLE RETURN FLOW, IN ACRE-FEET, BETWEEN WYOMING-NEBRASKA STATE LINE
AND BRIDGEPORT

For the Year Ending September 30, 1933

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
Bald Drain	619	327	266	246	196	214	329	815	904	1020	885	1750	7571
Bayard Sugar Factory Drain	4640	3280	2930	2700	2150	2290	1980	2400	1240	1770	2930	4580	32890
Camp Clark Seep	428	298	194	153	91	91	137	87	119	278	847	649	3372
Cleveland Drain	153	119	103	123	91	61	81	210	938	627	434	284	3224
Degraw Drain	593	506	337	339	313	369	280	307	208	145	407	774	4578
Dugout, Upper	764	555	369	276	218	260	339	976	331	224	918	1250	6480
Fairfield Seep	194	119	10	0	16	61	40	61	89	123	184	104	1001
Fanning Seep	419	347	329	347	258	296	210	246	179	216	278	327	3450
Gering Drain	3190	2330	2080	1940	1480	1800	2090	3500	3740	3820	4010	6720	36700
Horse Creek	5210	2160	1320	1540	989	1860	2090	10400	7740	5950	8240	14300	61799
Indian Creek	1010	704	502	460	355	456	357	456	506	391	1370	2090	8657
Lane Drain	286	208	133	123	85	92	70	92	149	278	432	377	2325
Melbeta Seep	419	278	175	153	131	180	179	123	89	262	298	474	2761
Mitchell Spillway	496	1330	327	591	276	113	200	1500	0	0	95	4650	9578
Nine Mile Drain	12200	8980	7440	6890	5480	6100	5640	7260	7500	10900	13300	15100	106790
Red Willow Drain	7990	6070	5270	4820	3800	3920	3620	7010	3090	4770	9900	10800	71060
Scottsbluff Drain No. 1	1240	833	768	684	488	538	597	770	893	1200	1520	1430	10961
Scottsbluff Drain No. 2	631	347	288	266	222	246	200	278	367	609	833	734	5021
Sheep Creek	7260	6250	5710	5600	4500	5100	4780	4500	655	210	263	3990	48818
Spotted Tail, Dry	4620	2797	2770	2230	1680	1900	2050	2290	2760	2670	3310	5890	34967
Spotted Tail, Wet	1130	1180	1140	1120	845	883	908	1090	1040	1260	1250	1240	13086
Tub Springs	5640	3550	2690	2550	1980	2160	2130	2830	1150	637	1260	3180	29757
Toohey Drain	246	198	184	153	137	184	141	184	179	184	228	268	2286
Toohey Spillway	1540	1600	1300	1210	982	956	754	2000	0	0	0	734	11076
Winters Creek	7303	5260	4508	4050	3220	3630	2840	3460	1040	4250	5080	6780	51421
Total	68221	49626	41143	38564	29983	33758	32042	52845	34906	41794	58272	88475	569629

VISIBLE RETURN FLOW, IN ACRE-FEET, BETWEEN WYOMING-NEBRASKA STATE LINE
AND BRIDGEPORT

For the Year Ending September 30, 1934

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
Bald Drain	430	337	307	276	167	133	119	123	169	173	111	129	2474
Bayard Sugar Factory Drain	3710	2950	2690	2500	2050	2150	1910	1200	567	882	1380	1270	23259
Camp Clark Seep	393	238	214	184	111	61	30	0	0	0	0	0	1231
Cleveland Drain	93	60	61	49	28	61	60	327	407	347	349	438	2280
Degraw Drain	615	446	369	339	278	246	198	123	129	61	123	119	3046
Dugout, Upper	712	476	389	264	161	153	79	60	188	68	285	22	2857
Fairfield Seep	61	60	49	31	22	18	30	49	30	25	18	24	417
Fanning Seep	369	357	337	256	216	173	119	214	129	184	153	159	2666
Gering Drain	2740	2200	2110	1820	1620	1610	1680	1470	2270	1160	1180	795	29655
Horse Creek	5480	1830	1550	1410	1080	1230	1090	516	1110	1000	1030	768	18064
Indian Creek	845	547	518	422	383	357	238	216	270	177	377	129	4479
Lane Drain	276	188	143	99	56	41	33	93	139	123	123	119	1433
Melbeta Seep	329	270	246	246	167	184	123	20	24	0	0	0	1609
Mitchell Spillway	1182	758	1133	797	655	353	48	10	20	0	0	0	4956
Nine Mile Drain	11590	9260	7980	6850	5750	5490	4410	4690	5870	4760	4990	5630	77270
Red Willow Drain	7100	5780	5160	4680	3660	3720	3270	2420	2610	2060	1920	1830	44210
Scottsbluff Drain No. 1	1061	704	706	583	454	492	476	645	912	837	902	853	8625
Scottsbluff Drain No. 2	551	595	317	296	222	246	208	401	417	472	492	377	4594
Sheep Creek	7320	6450	5900	5290	4630	4600	4370	480	178	110	383	433	40144
Spotted Tail, Dry	3999	2876	3160	2380	1876	2019	2073	754	1426	918	702	942	23125
Spotted Tail, Wet	1105	1097	1053	873	778	799	813	926	926	946	930	960	11206
Tub Springs	4588	3348	3106	2608	2087	1870	1428	303	2852	645	262	1934	25031
Toohey Drain	307	258	204	161	111	133	60	61	60	61	61	89	1566
Toohey Spillway	992	744	1383	1131	1063	123	188	163	0	0	0	0	5787
Winters Creek	6232	5493	4511	3650	3090	3280	2750	1391	1360	522	666	2010	33955
Total	62080	47322	43596	37195	30715	29512	25803	15655	22063	15531	16437	19030	364939

VISIBLE RETURN FLOW, IN ACRE-FEET, BETWEEN BRIDGEPORT AND NORTH PLATTE

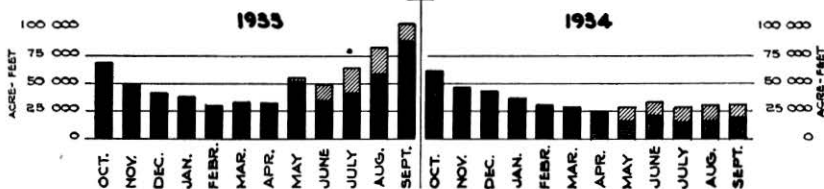
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
For the Year Ending September 30, 1933													
Keith-Lincoln County	123	119	125	182	129	184	179	184	149	123	123	99	1719
Lewellen Drain	135	119	71	123	115	123	141	143	69	61	73	119	1292
Lincoln County Drain No. 1	4890	3370	3010	3100	2630	2610	3830	4080	5390	6600	6830	5510	51850
Lincoln County Drain No. 2	488	377	349	246	222	246	260	450	278	381	417	288	4002
Oshkosh Drain	341	159	177	371	307	329	538	1200	190	99	385	351	4447
Plum Creek	276	238	238	317	309	234	184	301	268	224	198	238	3025
Sarben Slough	123	119	127	307	252	224	141	184	69	61	49	169	1825
Silvernail Drain	787	664	565	591	440	470	373	456	530	468	881	992	7217
Scout Creek													
Total	7163	5165	4662	5237	4404	4420	5646	6998	6943	8017	8956	7766	75377
For the Year Ending September 30, 1934													
Keith-Lincoln County	81	60	61	61	56	101	60	61	60	61	61	60	783
Lewellen Drain	123	137	123	123	111	123	60	61	119	61	31	30	1102
Lincoln County Drain No. 1	4497	3703	3640	3416	2541	2519	2493	4161	3985	4058	3739	3572	42324
Lincoln County Drain No. 2	307	268	246	204	167	214	198	218	208	250	155	222	2657
Oshkosh Drain	153	149	216	377	236	184	169	163	109	91	4	107	1958
Plum Creek	246	238	246	246	177	246	159	91	60	49	61	99	1918
Sarben Slough	153	208	288	242	111	123	119	123	71	75	73	131	1717
Silvernail Drain	674	645	583	516	494	577	327	347	522	321	325	286	5617
Scout Creek	1246	367	64	43	33	31	351	554	440	76	44	194	3443
Total	7480	5775	5467	5228	3926	4118	3936	5779	5574	5042	4493	4701	61519

SUMMARY OF VISIBLE RETURN FLOW, IN ACRE-FEET, BETWEEN WYOMING-NEBRASKA LINE
AND NORTH PLATTE

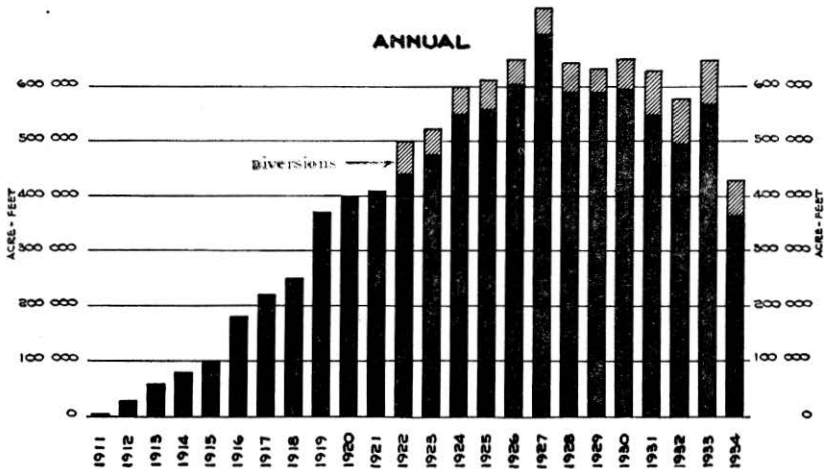
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
For the Year Ending September 30, 1933													
Wyoming-Nebraska Line to Bridgeport.....	68221	49626	41143	38564	29983	33758	32042	52845	34906	41794	58272	88475	569629
Bridgeport to North Platte.....	7163	5165	4662	5237	4404	4420	5646	6998	6943	8017	8956	7766	75377
Grand Total	75384	54791	45805	43801	34387	38178	37688	59843	41849	49811	67228	96241	645006
For the Year Ending September 30, 1934													
Wyoming-Nebraska Line to Bridgeport.....	62080	47322	43596	37195	30715	29512	25803	15655	22063	15531	16437	19030	364939
Bridgeport to North Platte.....	7480	5775	5467	5228	3926	4118	3936	5779	5574	5042	4493	4701	61519
Grand Total	69560	53097	49063	42423	34641	33630	29739	21434	27637	20573	20930	23731	426458

STATE OF NEBRASKA
 DEPARTMENT OF ROADS & IRRIGATION
 BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE
 F. B. SHAFER, OFFICE ENGINEER R. H. WILLIS, CHIEF
VISIBLE RETURN FLOW
 NORTH PLATTE RIVER BASIN
 WYO. NEBR LINE - BRIDGEPORT

MONTHLY



ANNUAL



**CANAL DIVERSIONS FROM RETURN FLOW
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
For the Year Ending September 30, 1932**

	MAY	JUNE	JULY	AUG.	SEPT.	TOTALS
Tri-State Canal from:						
Sheep Creek	2317	4838	5340	5790	6424	24709
Akers Draw	317	684	861	922	932	3716
Tub Springs	0	706	2136	2090	2878	7810
Spotted Tail, Dry	0	0	1404	1589	2063	5056
Spotted Tail, Wet	286	972	910	1054	1251	4473
Moffat Drain	0	0	0	0	0	0
Alliance Drain	0	0	1115	1589	1439	4143
Enterprise Canal from:						
Stewarts Drain	51	28	93	184	119	475
Morrill Drain	0	24	123	216	238	601
Spotted Tail, Wet	309	655	678	740	799	3181
Spotted Tail, Dry	109	0	42	0	0	151
Tub Springs	0	1170	1043	1011	446	3670
Winters Creek Canal from:						
Winters Creek	633	2196	2364	2198	1874	9265
Alliance Canal from:						
Bayard Drain	0	952	1448	343	0	2743
Red Willow	565	2231	3707	3371	3096	12970
Total	4587	14456	21264	21097	21559	82963

**DIVERSIONS IN ACRE-FEET FROM RETURN FLOW BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
For the Year Ending September 30, 1933**

	MAY	JUNE	JULY	AUG.	SEPT.	TOTALS
Tri-State Canal from:						
Akers Draw	515	694	780	922	922	3833
Sheep Creek	266	3689	5127	6212	3021	18315
Spotted Tail, Dry	0	647	1967	2241	1174	6029
Spotted Tail, Wet	525	662	1420	1958	1987	6552
Tub Springs	0	1107	2695	3050	2398	9250
Alliance Drain	0	452	738	1686	892	3768
Moffat Drain	0	0	0	773	555	1328
Enterprise Canal from:						
Stewarts Drain	61	85	117	61	89	413
Morrill Drain	0	71	129	184	161	545
Spotted Tail, Dry						
Spotted Tail, Wet	490	555	738	738	666	3187
Tub Springs	40	1027	1134	1188	397	3786
Winters Creek Canal from:						
Winters Creek	501	3844	2983	2912	2643	12883
Nine Mile Canal from:						
Nine Mile Drain	0	0	0	0	0	0
Alliance Canal from:						
Bayard Drain	0	1287	2475	625	0	4387
Red Willow	57	1440	2888	2392	613	7390
Total	2455	15560	23191	24942	15518	81666

**DIVERSIONS IN ACRE-FEET FROM RETURN FLOW BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
For the Year Ending September 30, 1934**

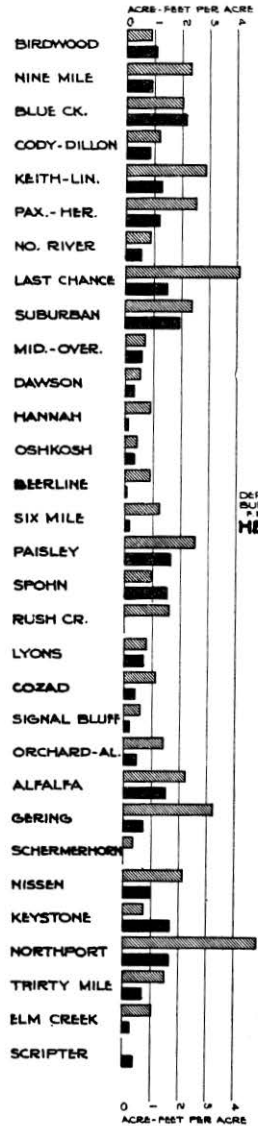
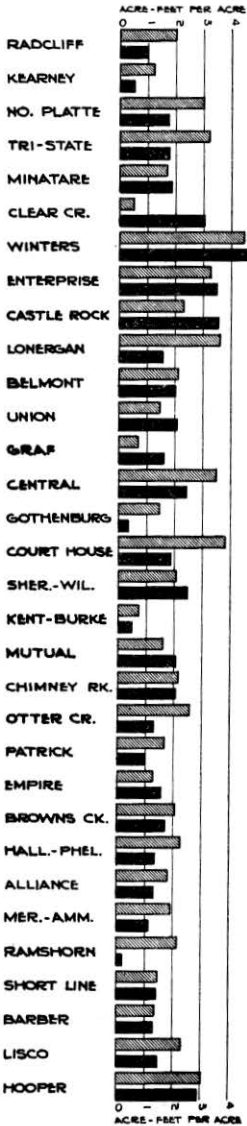
	MAY	JUNE	JULY	AUG.	SEPT.	TOTALS
Tri-State Canal from:						
Akers Draw	621	555	637	728	664	3205
Sheep Creek	3318	3257	3136	3172	3289	16172
Spotted Tail, Dry	482	595	530	647	526	2780
Spotted Tail, Wet	409	180	169	345	484	1587
Tub Springs	902	982	1022	1093	728	4727
Alliance Drain	353	526	543	506	190	2118
Moffat Drain	0	0	61	123	0	184
Enterprise Canal from:						
Stewarts Drain	0	49	71	12	0	132
Morrill Drain	0	73	61	61	59	254
Spotted Tail, Dry	0	0	0	0	0	0
Spotted Tail, Wet	383	446	587	369	397	2182
Tub Springs	1134	170	906	1112	276	3598
Winters Creek Canal from:						
Winters Creek	3758	2291	3124	3564	2495	15232
Nine Mile Canal from:						
Nine Mile Drain	149	1182	942	988	2238	5499
Alliance Canal from:						
Bayard Drain	651	1053	583	137	327	2751
Red Willow	611	1259	1178	1327	1396	5771
Total	12771	12618	13550	14184	13069	66192

**SUMMARY OF WATER DIVERTED IN THE PLATTE RIVER BASIN
IN ACRE-FEET BETWEEN WYOMING-NEBRASKA LINE
AND OVERTON**

	MAY	JUNE	JULY	AUG.	SEPT.	TOTALS
For the Year Ending September 30, 1933						
Wyoming-Nebraska Line-Mitchell	27795	86490	91740	87950	64977	358952
Mitchell-Minatare	5391	18590	20480	17950	13280	75691
Minatare-Bridgeport	4148	18720	26620	21938	7858	79284
Bridgeport-Lisco	2585	10014	10149	9597	2742	35087
Lisco-Oshkosh	773	1463	2249	1263	131	5879
Oshkosh-North Platte	12005	35057	43814	30360	18786	140022
North Platte-Overton	13864	23672	38210	41843	36000	153589
Total	66561	194006	233262	210901	143774	848504

	MAY	JUNE	JULY	AUG.	SEPT.	TOTALS
For the Year Ending September 30, 1934						
Wyoming-Nebraska Line-Mitchell	34799	54776	43395	17175	21193	171338
Mitchell-Minatare	17522	12900	16856	16894	13716	77888
Minatare-Bridgeport	8779	14423	13018	12310	12100	60630
Bridgeport-Lisco	3103	5366	3858	5229	6558	24114
Lisco-Oshkosh	290	504	842	1099	1585	4320
Oshkosh-North Platte	26271	22001	14830	14019	16683	93804
North Platte-Overton	25641	19672	1157	270	12543	59283
Total	116405	129642	93956	66996	84378	491377

Note: The Mitchell Irrigation District diversion is not included, because its headgate is located in Wyoming.



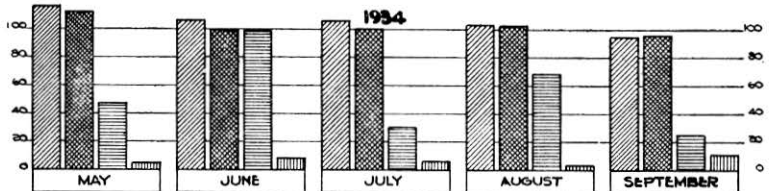
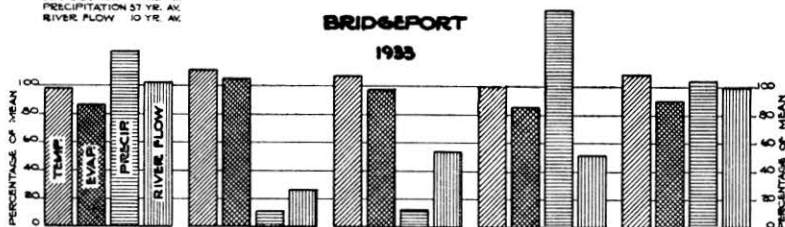
STATE OF NEBRASKA
 DEPARTMENT OF ROADS & IRRIGATION
 BUREAU OF IRR. WATER POW. & DRAIN.
 F. B. SHANNON, CHIEF ENGINEER, WOLFE, CHIEF
HEADGATE DIVERSIONS
 IN ORDER OF PRIORITY
 PLATTE RIVER BASIN
 1933 - 1934
 MAY - SEPT. INCLUSIVE
 LEONHO
 1933
 1934

STATE OF NEBRASKA
 DEPARTMENT OF ROADS AND IRRIGATION
 BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE
 F. B. SHAWPER, OFFICE ENGINEER R. H. WILLIAMS, CHIEF
CLIMATOLOGICAL DATA AND NORTH PLATTE RIVER FLOW
 EXPRESSED IN PERCENTAGE OF MONTHLY MEAN

TEMPERATURE 37 YR. AV.
 EVAPORATION 4 YR. AV.
 PRECIPITATION 37 YR. AV.
 RIVER FLOW 10 YR. AV.

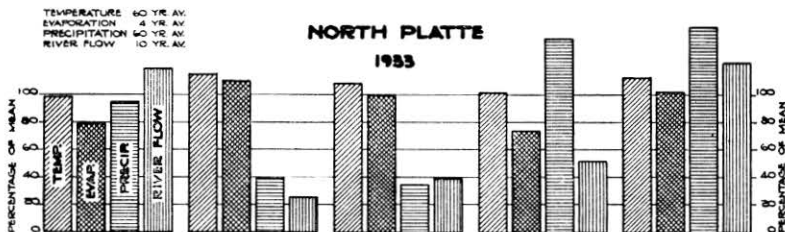
BRIDGEPORT

1935

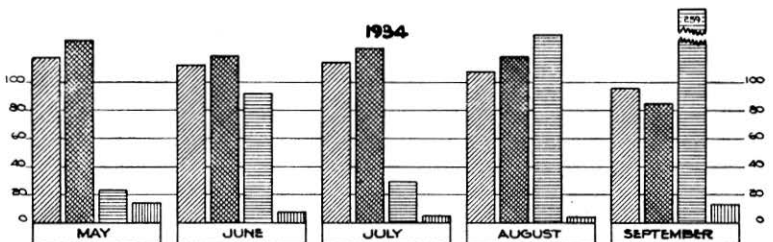


NORTH PLATTE

1935



1934



**DAILY EVAPORATION IN INCHES
BRIDGEPORT STATION 1933**

DATE	OCT.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.123	.213	.173	.236	.352	.092	.201
2	.239	.176	.172	.317	.322	.192	.247
3	.054	.240	.038	.293	.453	.205	.210
4	.081	.318	.000	.330	.200	.259	.235
5	.083	.156	.038	.226	.293	.173	.252
6	.157	.097	.068	.276	.246	.318	.130
7	.110	.142	.244	.279	.115	.251	.263
8	.037	.201	.086	.212	.194	.245	.233
9	.039	.175	.127	.334	.281	.212	.157
10	.060	.160	.069	.352	.188	.281	.062
11	.072	.173	.000	.365	.443	.215	.077
12	.122	.194	.089	.123	.363	.281	.073
13	.171	.097	.170	.230	.316	.357	.086
14	.108	.165	.196	.346	.306	.335	.137
15	.165	.154	.292	.378	.203	.368	.238
16	.327	.307	.229	.402	.287	.308	.186
17	.082	.333	.332	.402	.223	.253	.258
18	.006	.252	.239	.343	.247	.222	.106
19	.003	.255	.269	.280	.321	.135	.246
20	.030	.005	.191	.314	.428	.208	.170
21	.033	.005	.253	.300	.372	.151	.120
22	.002	.015	.345	.372	.277	.090	.189
23	.095	.038	.222	.287	.249	.275	.216
24	.109	.172	.188	.317	.209	.228	.210
25	.076	.164	.183	.366	.285	.341	.118
26	.059	.106	.199	.290	.347	.020	.072
27	.098	.100	.468	.304	.313	.027	.134
28	.118	.239	.357	.262	.412	.061	.061
29	.084	.242	.225	.218	.319	.110	.327
30	.054	.101	.218	.372	.504	.209	.124
31	.043	.....	.452	.....	.203	.250	.....
Total	2.840	4.995	6.132	9.126	9.271	6.672	5.138
Mean	.092	.166	.198	.304	.299	.215	.171
Max.	.327	.333	.468	.402	.504	.368	.327
Min.	.002	.005	.000	.123	.115	.020	.061

U. S. W. B. Class "A" Pan (10 inches x 4 feet circular)

**DAILY EVAPORATION IN INCHES
BRIDGEPORT STATION 1934**

DATE	OCT.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.177	.119	.280	.292	.320	.369	.217
2	.096	.228	.316	.190	.312	.297	.213
3	.100	.018	.054	.150	.206	.337	.193
4	.117	.000	.102	.240	.192	.443	.184
5	.110	.021	.172	.345	.311	.345	.281
6	.144	.065	.267	.355	.273	.276	.165
7	.128	.143	.171	.413	.370	.382	.263
8	.089	.290	.216	.347	.320	.401	.232
9	.102	.160	.346	.324	.265	.265	.035
10	.225	.303	.169	.311	.250	.219	.118
11	.133	.297	.323	.301	.259	.250	.126
12	.121	.145	.263	.302	.320	.285	.258
13	.117	.175	.141	.399	.462	.263	.335
14	.093	.134	.188	.323	.269	.222	.196
15	.138	.029	.284	.149	.256	.396	.102
16	.091	.093	.351	.138	.340	.172	.275
17	.119	.155	.291	.230	.317	.191	.234
18	.101	.267	.287	.315	.317	.229	.185
19	.098	.266	.320	.361	.405	.330	.275
20	.099	.232	.340	.259	.390	.227	.106
21	.101	.322	.322	.260	.341	.305	.113
22	.082	.208	.340	.286	.360	.179	.235
23	.149	.233	.145	.302	.232	.151	.121
24	.084	.307	.218	.237	.186	.161	.109
25	.099	.243	.210	.275	.245	.164	.058
26	.099	.272	.320	.329	.226	.221	.149
27	.059	.184	.365	.401	.321	.230	.163
28	.126	.340	.308	.231	.346	.270	.205
29	.119	.290	.302	.316	.354	.187	.169
30	.085	.255	.290	.274	.344	.210	.135
31	.082	.....	.218	.....	.418	.133	.....
Total	3.483	5.794	7.919	8.655	9.527	8.110	5.450
Mean	.112	.193	.255	.289	.307	.262	.182
Max.	.225	.340	.365	.413	.462	.443	.335
Min.	.059	.000	.054	.138	.186	.151	.035

U. S. W. B. Class "A" Pan (10 inches x 4 feet circular)

CLIMATOLOGICAL DATA

Precipitation in Inches for Water Year

MONTH	*NORMAL		1933		1934	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
MITCHELL STATION, SCOTTS BLUFF COUNTY—ELEVATION, 4080						
October	1.11	1.11	0.45	0.45	T	T
November	.27	1.38	.21	.66	0.23	0.23
December	.29	1.67	.22	.88	.44	.67
January	.13	1.80	T	.88	.06	.73
February	.24	2.04	T	.88	.19	.92
March	.61	2.65	.79	1.67	.16	1.08
April	1.69	4.34	3.22	4.89	.67	1.75
May	2.47	6.81	3.02	7.91	.79	2.54
June	2.68	9.49	.30	8.21	5.27	7.81
July	1.91	11.40	1.33	9.54	.52	8.33
August	2.38	13.78	2.16	11.70	.47	8.80
September	1.68	15.46	1.54	13.24	1.21	10.01

* Normal based on 20 year record.

BRIDGEPORT STATION, MORRILL COUNTY—ELEVATION, 3666						
October	1.09	1.09	0.46	0.46	0.00	0.00
November	.46	1.55	.10	.56	.10	.10
December	.63	2.18	.13	.69	.96	1.06
January	.40	2.58	.05	.74	.20	1.26
February	.48	3.06	.03	.77	.84	2.10
March	.83	3.89	.97	1.74	.18	2.28
April	2.17	6.06	1.81	3.55	.23	2.51
May	2.85	8.91	3.52	7.07	1.33	3.84
June	2.46	11.37	.26	7.33	2.42	6.26
July	2.06	13.43	.25	7.58	.62	6.88
August	1.78	15.21	2.75	10.33	1.21	8.09
September	1.37	16.58	1.43	11.76	.34	8.43

* Normal based on 36 year record.

OSHKOSH STATION, GARDEN COUNTY—ELEVATION, 3393						
October	1.34	1.34	0.69	0.69	0.00	0.00
November	.73	2.07	.24	.93	.08	.08
December	.62	2.69	.30	1.23	.89	.97
January	.35	3.04	.08	1.31	.69	1.66
February	.51	3.55	.14	1.45	.79	2.45
March	.82	4.37	.88	2.33	.51	2.96
April	2.36	6.73	3.98	6.31	.34	3.30
May	3.09	9.82	3.02	9.33	3.05	6.35
June	2.56	12.38	.98	10.31	3.87	10.22
July	2.63	15.01	2.28	12.59	1.71	11.93
August	2.63	17.64	4.65	17.24	1.39	13.32
September	1.52	19.16	1.95	19.19	.95	14.27

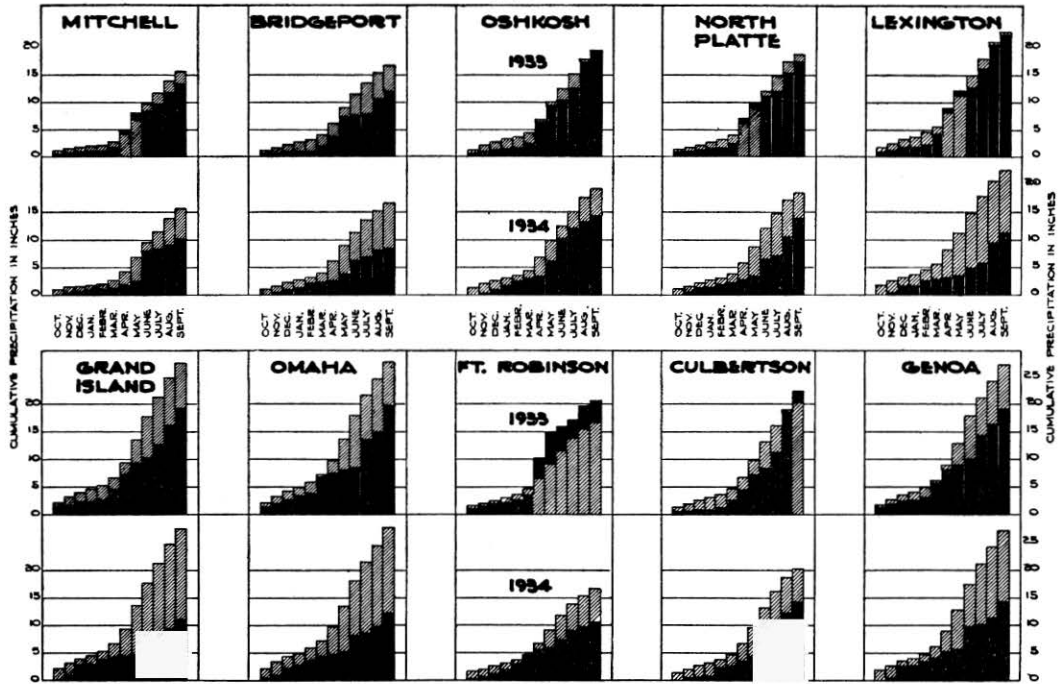
* Normal based on 21 year record.

NORTH PLATTE STATION, LINCOLN COUNTY—ELEVATION, 2821						
October	1.07	1.07	1.03	1.03	T	T
November	.47	1.54	T	1.03	0.17	0.17
December	.53	2.07	.27	1.30	1.06	1.23
January	.39	2.46	.16	1.46	.05	1.28
February	.53	2.99	.15	1.61	.52	1.80
March	.86	3.85	.62	2.23	.36	2.16
April	2.06	5.91	4.78	7.01	.62	2.78
May	2.78	8.69	2.61	9.62	.65	3.43
June	3.22	11.91	1.27	10.89	2.98	6.41
July	2.74	14.65	.94	11.83	.79	7.20
August	2.39	17.04	3.35	15.18	3.20	10.40
September	1.35	18.39	2.01	17.19	3.50	13.90

* Normal based on 59 year record.

STATE OF NEBRASKA
 DEPARTMENT OF ROADS & IRRIGATION
 BUREAU OF IRRIGATION, WATER, POWER AND DRAINAGE
 F.B. SHAFER, OFFICE ENGINEER; E.H. WILLIS, CHIEF
 GRAPHIC SHOWING
CUMULATIVE MONTHLY PRECIPITATION
 WATER YEAR OCTOBER 1-SEPTEMBER 30

LEGEND
 ■ ACTUAL
 ▨ NORMAL



CLIMATOLOGICAL DATA—Continued
Precipitation in Inches for Water Year

MONTH	*NORMAL		1933		1934	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
LEXINGTON STATION, DAWSON COUNTY—ELEVATION, 2385						
October	1.68	1.68	1.11	1.11	0.00	0.00
November	.75	2.43	.03	1.14	.08	.08
December	.72	3.15	.62	1.76	1.50	1.58
January	.48	3.63	T	1.76	T	1.58
February	.80	4.43	.20	1.96	†1.11	2.69
March	1.03	5.46	2.28	4.24	.19	2.88
April	2.51	7.97	4.55	8.79	.30	3.18
May	3.11	11.08	3.16	11.95	.38	3.56
June	3.66	14.74	.59	12.54	1.14	4.70
July	3.03	17.77	3.40	15.94	1.09	5.79
August	2.86	20.63	4.60	20.54	3.44	9.23
September	1.95	22.58	1.82	22.36	2.07	11.30

* Normal based on 44 year record.

† Estimated.

GRAND ISLAND STATION, HALL COUNTY—ELEVATION, 1860

October	2.17	2.17	1.39	1.39	0.00	0.00
November	1.02	3.19	.33	1.72	.46	.46
December	.74	3.93	.53	2.25	2.07	2.53
January	.52	4.45	T	2.25	.16	2.69
February	.76	5.21	.30	2.55	1.14	3.83
March	1.29	6.50	2.00	4.55	.26	4.09
April	2.79	9.29	2.70	7.25	.17	4.26
May	4.20	13.49	1.96	9.21	.34	4.60
June	4.13	17.62	1.06	10.27	2.82	7.42
July	3.51	21.13	2.40	12.67	.25	7.67
August	3.50	24.63	3.42	16.09	1.55	9.22
September	2.72	27.35	3.17	19.26	1.78	11.00

* Normal based on 42 year record.

OMAHA STATION, DOUGLAS COUNTY—ELEVATION, 1105

October	2.17	2.17	1.36	1.36	0.36	0.36
November	1.07	3.24	.56	1.92	.37	.73
December	.93	4.17	.71	2.63	1.39	2.12
January	.70	4.87	.94	3.57	.53	2.65
February	.89	5.76	.25	3.82	.87	3.52
March	1.37	7.13	3.25	7.07	.77	4.29
April	2.51	9.64	.38	7.45	.28	4.57
May	3.77	13.41	.73	8.18	.60	5.17
June	4.56	17.97	.25	8.43	2.97	8.14
July	3.54	21.51	5.03	13.46	.52	8.66
August	3.05	24.56	1.63	15.09	1.11	9.77
September	3.21	27.77	4.72	19.81	2.32	12.09

* Normal based on 67 year record.

CLIMATOLOGICAL DATA—Concluded
Precipitation in Inches for Water Year

MONTH	*NORMAL		1933		1934	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
FORT ROBINSON STATION, DAWES COUNTY—ELEVATION, 3807						
October	1.33	1.33	1.22	1.22	0.11	0.11
November	.46	1.79	.26	1.48	.43	.54
December	.68	2.47	.50	1.98	.52	1.06
January	.56	3.03	.06	2.04	.69	1.75
February	.62	3.65	.49	2.53	1.13	2.88
March	.99	4.64	1.15	3.68	1.07	3.95
April	1.79	6.43	6.60	10.28	1.53	5.48
May	2.64	9.07	4.62	14.90	.16	5.64
June	2.52	11.59	.88	15.78	1.70	7.34
July	2.12	13.71	1.12	16.90	1.51	8.85
August	1.62	15.33	2.64	19.54	.58	9.43
September	1.24	16.57	1.01	20.55	1.00	10.43

* Normal based on 48 year record.

CULBERTSON STATION, HITCHCOCK COUNTY—ELEVATION, 2565

October	1.29	1.29	0.64	0.64	0.00	0.00
November	.61	1.90	.00	.64	.30	.30
December	.63	2.53	.15	.79	.10	.40
January	.37	2.90	.03	.82	.20	.60
February	.56	3.46	.30	1.12	1.56	2.16
March	1.01	4.47	1.53	2.65	.07	2.23
April	2.22	6.69	1.93	4.58	1.22	3.45
May	2.87	9.56	2.79	7.37	.80	4.25
June	3.39	12.95	.98	8.35	4.81	9.06
July	3.00	15.95	2.88	11.23	1.10	10.16
August	2.74	18.69	7.33	18.56	2.01	12.17
September	1.53	20.22	3.81	22.37	2.13	14.30

* Normal based on 46 year record.

GENOA STATION, NANCE COUNTY—ELEVATION, 1584

October	1.72	1.72	1.34	1.34	T	T
November	.82	2.54	.48	1.82	0.37	0.37
December	.91	3.45	.62	2.44	2.08	2.45
January	.62	4.07	.12	2.56	.08	2.53
February	.72	4.79	.24	2.80	.81	3.34
March	1.15	5.94	2.82	5.62	.59	3.93
April	2.76	8.70	2.40	8.02	1.18	5.11
May	4.08	12.78	.80	8.82	.47	5.57
June	4.37	17.15	1.13	9.95	4.15	9.73
July	3.75	20.90	4.24	14.19	.35	10.08
August	3.10	24.00	2.14	16.33	1.24	11.32
September	3.07	27.07	2.77	19.10	2.93	14.25

* Normal based on 26 year record.

ARIKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	19	10	14	20	34	16	56	14	1	2	29
2	8	19	10	14	20	34	15	40	14	1	313	58
3	8	18	10	14	20	34	15	38	14	1	40	24
4	9	18	10	14	20	34	14	92	12	1	18	53
5	12	18	10	14	20	30	14	106	10	1	13	18
6	13	19	12	16	10	25	14	71	8	1	10	16
7	12	16	12	16	10	25	14	56	6	1	7	14
8	11	14	12	16	10	25	14	48	12	1	56	11
9	13	14	12	16	10	25	14	46	11	3300	38	8
10	17	15	12	16	10	25	14	53	10	90	17	8
11	18	15	12	16	12	26	14	47	10	41	10	12
12	14	18	12	16	12	28	14	52	11	30	8	34
13	13	19	12	16	12	30	22	44	11	24	5	29
14	13	14	12	16	12	29	27	37	11	14	5	510
15	13	15	12	16	12	29	24	36	7	17	4	56
16	13	15	12	17	40	29	22	29	4	22	14	31
17	13	15	12	17	40	29	21	34	2	21	6	26
18	13	15	12	17	40	30	21	29	2	15	4	22
19	13	15	12	17	40	30	21	29	2	12	4	22
20	16	15	12	17	40	29	21	29	1	11	121	21
21	16	14	14	18	65	28	31	26	4	7	320	19
22	18	12	14	18	71	29	49	21	2	8	46	16
23	19	12	14	18	66	35	46	27	1	5	9	16
24	15	12	14	18	60	34	36	22	1	6	148	15
25	14	11	14	18	48	26	30	27	1	5	24	14
26	14	11	14	20	46	26	30	27	1	3	14	16
27	15	11	14	20	38	24	30	21	1	3	15	16
28	14	11	14	20	36	24	30	21	1	2	441	15
29	14	10	14	20	.....	20	30	21	1	2	85	14
30	14	9	14	20	.....	17	31	19	1	2	26	13
31	15	.....	.....	20	.....	17	.....	15	.....	2	26	.....
Mean	13	15	12	17	30	28	23	39	6	118	60	39
Max.	19	19	14	20	71	35	49	106	14	3300	441	510
Min.	5	9	10	14	12	17	14	15	1	1	2	8
A. F.	824	869	762	1040	1670	1700	1370	2420	363	7260	3660	2290
Total Acre-feet	24,200											

BALD DRAIN—Sec. 32-23-56 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	20	6	5	4	4	4	3	2	16	32	22	13
2	20	6	5	4	4	4	3	2	13	25	23	13
3	20	6	5	4	4	4	3	3	8	18	18	13
4	20	6	5	4	4	4	3	5	7	23	22	13
5	20	6	5	4	4	4	3	7	10	28	19	13
6	15	6	5	4	3	4	3	9	10	25	16	14
7	15	6	5	4	3	4	3	11	6	22	18	14
8	15	6	5	4	3	4	3	10	2	20	20	14
9	10	6	5	4	3	4	3	8	3	18	17	14
10	10	6	5	4	3	4	3	6	6	13	16	14
11	7	6	4	4	4	4	3	5	8	8	12	25
12	7	6	4	4	4	4	3	4	11	6	15	30
13	7	6	4	4	4	4	3	6	10	11	14	28
14	7	6	4	4	4	4	3	4	8	14	12	28
15	7	6	4	4	4	4	3	4	7	12	10	30
16	7	5	4	4	4	3	3	4	6	12	11	32
17	7	5	4	4	4	3	3	4	6	15	11	34
18	7	5	4	4	4	3	3	4	6	18	9	36
19	7	5	4	4	4	3	3	4	6	16	10	38
20	7	5	4	4	4	3	15	4	20	15	16	40
21	7	5	4	4	3	3	25	4	26	16	22	43
22	7	5	4	4	3	3	20	4	26	17	10	43
23	7	5	4	4	3	3	15	29	26	18	8	43
24	7	5	4	4	3	3	10	48	34	16	10	43
25	7	5	4	4	3	3	6	67	42	15	9	44
26	7	5	4	4	3	3	4	58	32	15	12	44
27	7	5	4	4	3	3	4	10	22	14	12	44
28	7	5	4	4	3	3	4	27	24	12	13	40
29	7	5	4	4	.....	3	3	27	26	11	13	40
30	7	5	4	4	.....	3	3	13	29	12	13	40
31	7	5	4	4	.....	3	.....	18	.....	18	13	.....
Mean	10	6	4	4	4	3	6	13	15	17	14	29
Max.	20	6	5	4	4	4	25	67	42	32	23	44
Min.	7	5	4	4	3	3	2	2	2	6	8	13
A. F.	619	327	266	246	196	214	329	815	904	1020	885	1750
Total Acre-feet	7,571											

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Sec. 34-21-52 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	100	57	50	46	42	40	33	32	34	30	34	62
2	92	57	50	46	42	40	33	32	38	46	36	62
3	96	57	50	46	42	40	33	32	37	37	39	62
4	96	54	50	46	42	40	32	32	37	28	40	62
5	96	57	50	46	42	35	31	37	46	55	42	62
6	96	57	50	45	40	35	31	37	38	82	42	62
7	84	57	50	45	35	38	31	37	44	58	41	62
8	88	54	46	45	35	38	31	37	51	33	40	62
9	84	54	46	45	35	39	30	36	42	42	39	61
10	80	57	46	45	35	44	31	38	33	50	39	62
11	88	54	45	45	35	40	31	46	22	30	39	90
12	88	54	45	45	38	38	31	37	12	10	41	90
13	88	57	46	45	38	42	30	37	10	13	43	90
14	88	54	46	45	38	38	30	35	8	11	40	99
15	88	54	46	44	38	37	31	35	8	16	42	90
16	80	57	48	44	38	37	31	35	7	21	40	85
17	68	57	48	44	38	38	30	34	6	24	37	85
18	64	57	48	44	38	38	28	34	5	28	38	85
19	64	57	48	44	38	34	29	34	6	24	39	82
20	64	54	48	44	38	34	65	36	8	19	44	82
21	64	50	48	42	40	36	56	36	10	20	49	82
22	64	50	48	42	40	39	42	37	11	20	54	82
23	60	54	48	42	40	36	36	43	14	25	58	82
24	60	54	48	42	40	37	34	42	16	30	56	82
25	60	57	48	42	40	34	31	48	15	26	63	82
26	57	57	47	42	40	34	30	49	14	23	72	82
27	57	56	47	42	40	33	30	46	14	14	80	82
28	57	54	47	42	40	34	28	49	15	15	70	80
29	54	54	47	42	.....	37	29	48	14	17	61	80
30	57	50	47	42	.....	34	28	48	13	19	61	80
31	57	.....	47	42	.....	34	.....	49	.....	26	61	.....
Mean	76	55	47	44	39	37	33	39	21	29	48	77
Max.	100	57	50	46	42	44	65	49	51	82	80	99
Min.	54	50	45	42	35	33	28	32	5	10	34	61
A. F.	4640	3280	2930	2700	2150	2290	1980	2400	1240	1770	2930	4580
Total Acre-feet	32,900											

BIRDWOOD CREEK NEAR HERSHEY—Sec. 2-14-33 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	170	199	184	190	185	223	188	188	147	112	179	170
2	170	199	184	190	185	223	195	203	141	118	235	170
3	170	199	181	190	185	219	184	311	141	123	219	170
4	170	203	184	190	185	219	184	227	128	123	203	170
5	170	195	181	194	185	223	184	227	134	123	213	170
6	165	203	178	190	160	215	181	188	134	135	223	160
7	164	178	175	190	160	223	181	227	150	147	206	160
8	160	184	170	190	160	219	184	192	271	147	188	160
9	160	184	170	190	160	211	178	255	160	147	196	160
10	160	184	170	190	160	211	174	271	138	160	203	160
11	160	192	170	190	160	203	150	293	164	259	188	160
12	160	184	170	190	170	203	178	231	181	174	174	200
13	160	184	170	190	170	207	184	211	168	138	172	200
14	164	188	175	190	170	211	181	211	154	178	170	200
15	160	188	175	190	171	203	211	195	141	219	167	195
16	160	188	175	188	175	203	215	178	139	196	164	185
17	160	188	175	188	175	203	207	188	134	174	157	185
18	160	184	175	188	175	203	178	174	131	158	150	185
19	164	188	185	188	175	167	174	167	128	141	150	185
20	160	184	185	188	175	164	293	160	138	138	150	185
21	160	188	185	188	185	178	335	154	147	128	167	174
22	223	192	185	188	185	203	219	144	127	184	184	174
23	211	195	185	188	185	195	211	243	107	239	188	174
24	211	188	185	188	185	211	184	181	104	200	192	174
25	219	184	185	188	185	188	184	195	102	160	196	174
26	211	184	185	188	200	181	184	188	104	181	199	165
27	192	178	185	188	200	184	192	188	107	160	188	165
28	195	178	185	188	200	181	195	174	110	144	178	165
29	203	184	185	188	.....	184	188	154	112	128	174	165
30	211	192	185	188	.....	184	188	154	112	126	170	165
31	199	.....	185	188	.....	184	.....	160	.....	123	170	.....
Mean	177	189	180	189	177	201	196	201	138	158	184	174
Max.	223	203	185	194	200	223	335	311	271	259	235	200
Min.	160	178	170	188	160	164	150	144	102	112	150	160
A. F.	10900	11200	11100	11600	9830	12400	11700	12400	8210	9720	11300	10400
Total Acre-feet	131,000											

BLUE CREEK NEAR LEWELLEN—Sec. 30-16-42 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	39	110	105	135	120	138	131	140	51	1	16	115
2	39	110	105	135	120	138	128	112	44	1	64	110
3	36	110	105	135	120	138	114	118	42	1	52	105
4	36	110	100	135	120	130	114	156	33	1	40	100
5	43	110	100	135	120	100	104	160	32	13	40	95
6	45	110	105	135	100	100	109	139	10	12	41	89
7	54	105	100	135	100	175	108	145	10	12	37	91
8	70	100	90	135	100	191	97	134	16	22	33	80
9	74	100	80	135	100	145	111	156	13	31	30	76
10	79	105	80	135	100	140	96	170	6	18	28	47
11	89	94	80	130	100	145	86	166	12	6	16	39
12	89	100	80	130	110	153	85	152	29	3	3	91
13	89	105	80	130	120	148	82	138	30	1	45	94
14	89	110	90	130	120	144	89	128	32	1	87	98
15	89	100	90	130	120	140	96	127	34	1	64	96
16	79	105	90	125	125	143	86	120	23	1	40	94
17	79	105	90	125	125	140	77	126	12	1	37	82
18	74	105	90	125	125	139	63	127	12	1	34	128
19	74	105	120	125	125	131	64	120	1	1	32	84
20	105	105	120	125	125	127	174	120	1	1	31	82
21	100	110	120	123	130	130	285	114	31	1	28	86
22	100	105	120	123	130	145	190	111	4	1	25	89
23	110	105	120	123	130	144	143	116	1	1	30	90
24	105	105	130	123	130	145	135	134	1	1	35	91
25	105	105	130	123	130	143	114	128	3	1	160	91
26	105	100	130	123	135	139	110	97	1	1	285	96
27	105	105	130	123	135	135	118	90	1	1	257	103
28	105	105	130	123	135	139	118	89	1	1	229	100
29	105	105	130	123	.....	136	116	81	1	1	174	99
30	105	105	130	123	.....	135	151	74	1	1	120	95
31	110	.....	130	123	.....	126	.....	73	.....	.....	118	.....
Mean	82	105	106	128	120	139	116	125	16	4	72	91
Max.	110	110	130	135	135	191	285	170	51	31	285	128
Min.	36	94	80	123	100	100	63	73	1	1	3	39
A. F.	5010	6250	6520	7870	6660	8550	6900	7690	964	255	4430	5430
Total Acre-feet	66,500											

BLUE RIVER, BIG, AT BARNSTON—Sec. 24-1-7 E.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	264	191	106	169	186	162	312	336	258	110	58	186
2	102	104	114	172	131	172	270	489	220	44	64	343
3	87	191	207	144	122	204	261	497	204	84	133	280
4	98	114	151	108	181	199	296	516	174	59	51	186
5	94	162	194	172	76	122	276	474	229	69	66	160
6	258	87	176	160	91	196	226	428	155	66	47	151
7	186	164	114	184	191	267	270	360	155	67	155	108
8	267	162	85	108	144	147	158	417	194	153	246	108
9	59	176	94	162	129	232	155	350	189	114	149	122
10	140	114	160	158	133	125	223	226	110	179	149	62
11	131	176	147	127	140	218	207	176	75	410	59	87
12	84	106	116	149	191	118	151	160	153	442	64	336
13	84	149	114	202	151	129	136	316	127	501	59	704
14	58	160	116	184	223	215	127	174	129	1060	73	305
15	140	169	127	127	149	120	142	267	131	1010	80	240
16	61	110	196	153	100	176	80	240	155	648	78	261
17	73	104	212	158	112	140	120	160	252	453	64	142
18	67	114	160	96	172	186	110	162	73	392	59	199
19	155	144	189	191	118	237	118	174	147	218	91	435
20	151	114	229	184	118	252	122	122	129	296	100	186
21	80	189	189	162	158	258	243	1030	94	535	162	194
22	140	114	207	155	94	169	176	716	100	474	207	140
23	147	142	270	125	153	179	179	744	153	302	2540	155
24	176	138	234	162	136	267	196	823	160	299	4190	160
25	158	176	120	106	162	249	181	497	78	189	2600	160
26	232	179	229	215	108	326	158	410	127	58	2250	656
27	149	106	196	249	194	464	149	360	151	56	2240	438
28	140	169	162	174	158	322	151	1930	75	55	1430	478
29	276	169	158	174	.....	309	116	857	69	75	900	326
30	118	93	147	110	.....	276	184	319	78	62	660	140
31	179	.....	184	151	.....	246	.....	196	.....	75	209	.....
Mean	140	143	165	158	144	216	183	449	145	276	620	248
Max.	276	191	270	249	223	464	312	1930	258	1060	4190	704
Min.	58	87	85	96	76	118	80	122	69	44	47	62
A. F.	8610	8510	10100	9720	8000	13300	10900	27600	8630	17000	38100	14800
Total Acre-feet	175,000											

BLUE RIVER, LITTLE, NEAR ENDICOTT--Sec. 3-1-3 E.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	109	134	119	121	142	123	136	314	150	80	84	189
2	107	132	120	124	142	120	138	235	136	78	84	189
3	107	132	121	132	144	117	134	184	132	75	82	168
4	107	132	123	138	127	113	134	177	132	75	78	160
5	103	139	128	150	100	126	138	163	128	74	82	145
6	109	127	123	163	113	136	139	155	126	73	91	144
7	112	133	102	155	113	138	139	145	124	72	94	145
8	103	132	103	150	113	133	138	153	119	76	96	138
9	110	133	103	160	109	132	138	150	114	83	107	128
10	112	132	103	158	106	130	139	150	113	89	96	124
11	113	126	96	142	106	130	139	148	103	163	95	119
12	112	124	90	142	105	128	136	150	110	123	87	136
13	116	126	92	153	106	132	136	148	102	106	85	348
14	112	132	98	158	107	128	136	148	99	94	82	291
15	117	121	102	161	113	127	134	147	102	152	79	203
16	114	91	105	150	126	128	133	147	95	306	76	177
17	119	110	109	139	130	128	130	158	90	197	79	184
18	144	121	114	128	134	126	128	153	89	209	75	184
19	138	138	120	161	138	132	126	140	85	165	79	180
20	128	150	124	158	139	128	130	139	84	136	91	160
21	126	144	128	160	150	134	150	158	86	121	84	150
22	142	133	130	163	165	134	153	606	87	112	741	138
23	189	127	132	163	170	139	155	342	87	120	2110	138
24	201	128	130	150	152	150	152	685	87	124	1120	128
25	160	130	128	145	140	153	235	748	86	109	1280	128
26	155	120	128	145	132	145	215	627	84	99	418	374
27	147	116	128	144	128	142	180	288	92	95	286	147
28	136	119	127	144	124	140	170	222	107	94	267	132
29	138	117	124	145	.....	139	160	269	89	90	244	124
30	130	120	123	139	.....	139	322	179	83	89	226	126
31	134	.....	113	145	.....	138	.....	165	.....	84	205	.....
Mean	127	127	116	148	128	132	153	245	104	115	281	170
Max.	201	150	132	163	170	153	322	748	150	306	2110	374
Min.	103	91	90	121	100	113	126	139	83	72	75	119
A. F.	7810	7560	7130	9100	7110	8120	9100	15100	6190	7070	17300	10100
Total Acre-feet	111,690											

BUFFALO CREEK--Sec. 33-9-18 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	20	24	8	6	7	7	20	74	153	14	8	43
2	20	24	8	6	7	7	20	78	115	19	7	43
3	20	24	8	6	7	7	20	75	55	25	5	43
4	20	24	8	6	7	7	20	84	42	41	5	43
5	20	24	8	6	7	7	20	115	38	58	18	43
6	20	24	8	6	7	7	20	78	50	37	31	43
7	20	24	8	6	7	7	20	70	33	16	27	43
8	20	24	8	6	7	7	20	142	28	11	23	43
9	20	24	8	6	7	7	20	184	26	6	24	43
10	20	24	8	6	7	7	20	79	38	46	26	43
11	20	16	7	8	7	7	30	47	51	60	23	35
12	20	16	7	8	7	7	30	28	43	39	21	35
13	20	16	7	8	7	7	30	29	36	19	35	35
14	20	16	7	8	7	7	30	26	27	53	50	35
15	20	16	7	8	7	7	54	24	18	88	54	35
16	24	16	7	8	7	7	50	18	34	65	58	35
17	24	16	7	8	7	7	50	16	50	43	35	35
18	24	16	7	8	7	7	50	16	32	34	13	35
19	24	16	7	8	7	7	50	14	15	25	14	35
20	24	16	7	8	7	7	50	14	12	29	16	35
21	24	8	6	10	7	7	40	58	9	15	16	40
22	24	8	6	10	7	7	40	60	8	18	17	40
23	24	8	6	10	7	7	40	51	7	21	38	40
24	24	8	6	10	7	7	40	51	18	28	60	40
25	24	8	6	10	7	7	40	50	29	25	82	40
26	24	8	6	10	7	7	40	51	32	29	105	45
27	24	8	6	10	7	7	40	25	35	33	82	45
28	24	8	6	10	7	7	40	17	34	25	60	45
29	24	8	6	10	.....	7	40	17	33	17	55	45
30	24	8	6	10	.....	7	40	92	23	13	51	45
31	24	.....	6	10	.....	7	.....	105	.....	10	50	.....
Mean	22	16	7	8	7	7	26	58	37	31	36	45
Max.	24	24	8	10	7	7	54	184	153	88	105	45
Min.	20	8	6	6	7	7	20	14	7	6	5	35
A. F.	1365	952	428	496	389	430	1535	3546	2229	1908	2200	2390
Total Acre-feet	17,868											

BULL DRAIN—Sec. 19-13-28 W.
Year Ending September 30, 1933.

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3	3	3	3	2	4	3	7	2	3	3	3
2	3	3	3	3	2	4	3	7	2	3	3	3
3	3	3	3	3	2	4	3	7	2	3	3	3
4	3	3	3	3	2	4	3	7	2	3	3	3
5	3	3	3	3	2	4	3	7	2	3	3	3
6	3	3	3	3	2	4	3	6	2	3	3	3
7	3	3	3	3	2	4	3	5	2	3	3	3
8	3	3	3	3	2	4	3	4	2	3	3	3
9	3	3	3	3	2	4	3	4	2	3	3	3
10	3	3	3	3	2	4	3	5	2	3	3	3
11	3	3	3	3	3	4	3	11	2	3	3	3
12	3	3	3	3	3	4	3	11	2	3	3	3
13	3	3	3	3	3	4	3	8	2	3	3	3
14	3	3	3	3	3	4	3	6	2	3	3	3
15	3	3	3	3	3	4	3	4	2	3	3	3
16	3	3	3	3	4	4	3	2	2	3	3	3
17	3	3	3	3	4	4	3	2	2	3	3	3
18	3	3	3	3	4	4	3	2	2	3	3	3
19	3	3	3	3	4	4	3	2	2	3	3	3
20	3	3	3	3	4	4	7	2	2	3	3	3
21	3	3	3	3	4	4	7	2	2	3	3	4
22	3	3	3	3	4	4	7	2	2	3	3	4
23	3	3	3	3	4	4	7	2	2	3	3	4
24	3	3	3	3	4	4	7	2	2	3	3	4
25	3	3	3	3	4	4	7	2	2	3	3	4
26	3	3	3	3	4	4	7	2	2	3	3	4
27	3	3	3	3	4	4	7	2	2	3	3	4
28	3	3	3	3	4	4	7	2	2	3	3	4
29	3	3	3	3	.....	4	7	2	2	3	3	4
30	3	3	3	3	.....	4	7	2	2	3	3	4
31	3	.....	3	3	.....	4	.....	2	.....	3	3	.....
Mean	3	3	3	3	3	4	4	4	2	3	3	3
Max.	3	3	3	3	4	4	7	11	2	3	3	4
Min.	3	3	3	3	2	4	3	2	2	3	3	3
A. F.	185	179	185	185	164	246	266	260	119	184	184	198
Total Acre-feet	2,355											

CAMP CLARK SEEP—Sec. 9-20-51 W.
Year Ending September 30, 1933.

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	5	4	3	2	2	1	1	1	4	6	10
2	10	5	4	3	2	2	1	1	1	4	6	10
3	10	5	4	3	2	2	1	1	1	4	6	10
4	10	5	4	3	2	2	1	1	1	4	6	10
5	10	5	4	3	2	2	1	2	1	4	6	10
6	8	5	3	3	1	1	1	2	1	4	6	10
7	8	5	3	3	1	1	1	2	1	4	6	10
8	8	5	3	3	1	1	1	2	1	4	6	10
9	8	5	3	3	1	1	1	2	1	4	6	10
10	8	5	3	3	1	1	1	2	1	4	6	10
11	6	5	3	3	1	2	1	2	2	4	7	10
12	6	5	3	3	1	2	1	2	2	4	7	14
13	6	5	3	3	1	2	1	2	2	4	7	14
14	6	5	3	3	1	2	1	1	2	4	7	14
15	6	5	3	3	1	2	1	1	2	4	7	14
16	6	5	3	2	2	2	1	1	2	5	7	10
17	6	5	3	2	2	2	1	1	2	5	7	10
18	6	5	3	2	2	2	1	1	2	5	7	10
19	6	5	3	2	2	2	1	1	2	5	7	10
20	6	5	3	2	2	2	10	1	2	5	7	10
21	6	5	3	2	2	1	10	1	3	5	8	10
22	6	5	3	2	2	1	8	1	3	5	8	10
23	6	5	3	2	2	1	6	2	3	5	8	10
24	6	5	3	2	2	1	4	2	3	5	8	10
25	6	5	3	2	2	1	2	2	3	5	100	10
26	6	5	3	2	2	1	2	2	3	5	100	15
27	6	5	3	2	2	1	2	2	3	5	20	14
28	6	5	3	2	2	1	2	1	3	5	15	12
29	6	5	3	2	.....	1	2	1	3	5	10	10
30	6	5	3	2	.....	1	2	1	3	5	10	10
31	6	.....	3	2	.....	1	.....	1	.....	5	10	.....
Mean	7	5	3	2	2	1	2	1	2	5	14	11
Max.	10	5	4	3	2	2	10	2	3	5	100	15
Min.	6	5	3	2	1	1	1	1	1	4	6	10
A. F.	428	298	194	153	91	91	137	87	119	278	847	649
Total Acre-feet	3,372											

CEDAR CREEK—Sec. 11-18-48 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	13	13	14	13	13	13	4	14	3	3	14
2	10	13	13	14	13	13	13	3	21	3	3	14
3	10	13	13	14	13	13	13	3	3	3	3	14
4	10	13	13	14	13	13	13	15	2	4	3	14
5	10	13	13	14	13	13	13	21	2	4	3	14
6	12	13	11	14	12	13	13	20	2	5	3	20
7	12	13	11	14	12	13	13	5	2	12	3	20
8	12	13	11	14	12	13	13	6	2	8	4	20
9	12	13	11	14	12	13	13	6	2	4	4	20
10	12	13	11	14	12	13	13	7	2	10	3	20
11	10	13	11	14	13	13	13	14	2	15	3	20
12	10	13	11	16	13	13	13	15	4	16	3	22
13	10	13	11	17	13	13	13	10	2	17	3	22
14	10	13	11	18	13	13	13	10	2	16	3	22
15	10	13	11	16	13	13	13	8	2	16	5	22
16	8	13	13	14	13	13	13	3	2	15	10	22
17	8	13	13	14	13	13	13	3	2	14	15	22
18	8	13	13	14	13	13	13	3	2	14	26	22
19	8	13	13	14	13	13	13	3	2	14	10	22
20	8	13	13	14	13	13	25	4	2	12	5	22
21	8	13	14	13	14	13	20	3	2	9	6	23
22	8	13	14	13	14	13	15	4	2	14	6	23
23	8	13	14	13	14	13	13	8	2	19	6	23
24	8	13	14	13	14	13	13	19	3	12	5	23
25	8	13	14	13	14	13	13	27	3	5	40	23
26	10	13	14	13	13	13	13	30	3	4	28	23
27	10	13	14	13	13	13	13	29	3	3	30	23
28	10	13	14	13	13	13	13	26	3	3	30	23
29	10	13	14	13	.....	13	13	14	3	3	22	23
30	10	13	14	13	.....	13	13	14	3	3	14	23
31	10	.....	14	13	.....	13	.....	15	.....	3	14	.....
Mean	10	13	13	14	13	13	14	11	3	9	10	21
Max.	12	13	14	18	14	13	25	30	21	19	40	23
Min.	8	13	11	13	12	13	13	3	2	3	3	14
A. F.	595	774	781	861	722	799	815	698	200	561	627	1230
Total Acre-feet	8,663											

CEDAR BRANCH CREEK—Sec. 17-14-35 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3	2	2	3	3	3	3	3	3	1	2	2
2	3	2	2	3	3	3	3	3	3	1	2	2
3	3	2	2	3	3	3	3	3	3	1	2	2
4	3	2	2	3	3	3	3	3	3	1	2	2
5	3	2	2	3	3	3	3	3	3	1	2	2
6	3	2	1	3	2	3	3	3	3	1	2	2
7	3	2	1	3	2	3	3	3	3	1	2	2
8	3	2	1	3	2	3	3	3	3	1	2	2
9	3	2	1	3	2	3	3	3	3	1	2	2
10	3	2	1	3	2	3	3	3	3	1	2	2
11	3	2	1	3	3	4	2	3	2	1	2	2
12	3	2	1	3	3	4	2	3	2	1	2	2
13	3	2	1	3	3	4	2	3	2	1	2	2
14	3	2	1	3	3	4	2	3	2	1	2	2
15	3	2	1	3	3	4	2	3	2	1	2	2
16	3	2	2	3	3	4	2	3	1	2	2	2
17	3	2	2	3	3	4	2	3	1	2	2	2
18	3	2	2	3	3	4	2	3	1	2	2	2
19	3	2	2	3	3	4	2	3	1	2	2	2
20	3	2	2	3	3	4	3	3	1	2	2	2
21	2	2	2	3	3	4	3	3	1	2	2	2
22	2	2	2	3	3	4	3	3	1	2	2	2
23	2	2	2	3	3	4	3	3	1	2	2	2
24	2	2	2	3	3	4	3	3	1	2	2	2
25	2	2	2	3	3	4	3	3	1	2	2	2
26	2	2	3	3	3	3	3	3	1	2	2	2
27	2	2	3	3	3	3	3	3	1	2	2	2
28	2	2	3	3	3	3	3	3	1	2	2	2
29	2	2	3	3	.....	3	3	3	1	2	2	2
30	2	2	3	3	.....	3	3	3	1	2	2	2
31	2	.....	3	3	.....	3	.....	3	.....	2	2	.....
Mean	3	2	2	3	3	3	3	3	2	2	2	2
Max.	3	2	3	3	3	4	3	3	3	2	2	2
Min.	2	2	1	3	2	3	2	3	1	1	2	2
A. F.	163	119	115	184	157	214	161	184	109	93	123	119
Total Acre-feet	1,741											

CLEAR CREEK--Sec. 5-15-41 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	10	8	17	12	8	11	12	11	0	6	10
2	10	10	8	17	12	8	11	12	11	0	6	10
3	10	10	8	17	12	8	10	12	2	0	6	10
4	10	10	8	17	12	8	1	12	2	0	4	10
5	10	10	8	17	12	8	1	12	2	0	3	10
6	10	10	8	17	10	8	1	14	2	0	2	10
7	10	10	8	17	10	8	1	14	2	4	2	10
8	10	10	8	17	10	8	1	14	2	8	9	10
9	10	10	8	17	10	8	1	14	2	4	9	10
10	10	10	8	17	10	8	1	15	2	0	8	10
11	10	10	8	15	11	6	1	14	2	3	8	11
12	10	10	8	15	11	6	1	14	2	6	8	11
13	10	10	8	15	11	6	1	13	2	6	9	11
14	10	10	8	15	11	6	1	13	2	6	8	11
15	10	10	8	15	11	6	1	12	2	4	8	11
16	10	10	10	15	11	8	1	12	2	1	8	11
17	10	10	10	15	11	8	1	11	2	1	7	11
18	10	10	10	15	11	8	1	11	2	1	7	11
19	10	10	10	15	11	8	1	11	2	2	7	11
20	10	10	10	15	11	8	12	11	2	1	6	11
21	11	8	12	14	10	8	12	11	4	1	6	12
22	11	8	12	14	10	8	12	11	10	1	6	12
23	11	8	12	14	10	8	12	11	9	1	6	12
24	11	8	12	14	10	8	12	11	8	1	6	12
25	11	8	12	14	10	8	12	11	4	1	25	12
26	11	8	14	14	10	10	12	11	0	1	20	10
27	11	8	14	14	10	10	12	11	0	1	11	10
28	11	8	14	14	10	10	12	11	0	1	10	8
29	11	8	14	14	10	10	12	11	0	1	10	8
30	11	8	14	14	10	10	12	11	0	1	9	6
31	11	.....	14	14	.....	10	.....	11	.....	1	9	.....
Mean	10	9	10	15	11	8	6	12	3	2	8	10
Max.	11	10	14	17	12	10	12	15	11	8	25	12
Min.	10	8	8	14	10	6	1	11	0	0	2	6
A. F.	637	555	623	940	595	496	357	742	184	115	494	619
Total Acre-feet	6,357											

CLEVELAND DRAIN--Sec. 6-20-52 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3	2	2	2	2	1	1	2	11	22	9	8
2	3	2	2	2	2	1	1	2	14	20	8	8
3	3	2	2	2	2	1	1	2	13	20	7	8
4	3	2	2	2	2	1	1	2	14	14	12	8
5	3	2	2	2	2	1	1	2	8	9	11	8
6	3	2	1	2	1	1	1	2	9	7	12	8
7	3	2	1	2	1	1	1	2	10	5	12	8
8	3	2	1	2	1	1	1	2	10	3	12	8
9	3	2	1	2	1	1	1	2	14	7	13	7
10	3	2	1	2	1	1	1	2	17	11	8	6
11	3	2	1	2	1	1	1	2	13	12	4	6
12	3	2	1	2	1	1	1	2	9	13	6	5
13	3	2	1	2	1	1	1	2	11	8	7	4
14	3	2	1	2	1	1	1	2	13	3	6	3
15	3	2	1	2	1	1	1	2	16	6	5	3
16	2	2	2	2	2	1	1	2	18	9	4	3
17	2	2	2	2	2	1	1	2	16	10	4	3
18	2	2	2	2	2	1	1	2	13	12	4	3
19	2	2	2	2	2	1	1	3	15	5	4	3
20	2	2	2	2	2	1	2	3	17	13	4	3
21	2	2	2	2	2	1	2	5	18	12	3	3
22	2	2	2	2	2	1	2	7	20	12	3	3
23	2	2	2	2	2	1	2	6	20	14	3	3
24	2	2	2	2	2	1	2	4	21	15	3	3
25	2	2	2	2	2	1	2	2	21	12	3	3
26	2	2	2	2	2	1	2	7	21	9	7	3
27	2	2	2	2	2	1	2	8	22	8	11	3
28	2	2	2	2	2	1	2	6	22	7	10	3
29	2	2	2	2	.....	1	2	7	23	6	8	3
30	2	2	2	2	.....	1	2	7	24	5	8	3
31	2	.....	2	2	.....	1	.....	5	.....	7	8	.....
Mean	2	2	2	2	2	1	1	3	15	10	7	5
Max.	3	2	2	2	2	1	2	8	24	22	13	8
Min.	2	2	1	2	1	1	1	2	8	3	3	3
A. F.	153	119	103	123	91	61	81	210	938	627	434	284
Total Acre-feet	3,224											

COLD WATER CREEK—Sec. 34-18-46 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0.3	2	1	2	1	0	0.2	0.1	0.0	0.2	0.1	1.0
2	.3	2	1	2	1	0	.2	.1	.0	.2	.1	1.0
3	.3	2	1	2	1	0	.2	.1	.0	.2	.1	1.0
4	.3	2	1	2	1	0	.2	.1	.0	.2	.1	1.0
5	.3	2	1	2	1	0	.2	.1	.0	.2	.1	1.0
6	.3	2	0	2	1	0	.2	.1	.3	.2	.1	1.0
7	.3	2	0	2	1	0	.2	.1	.3	.2	.1	1.0
8	.3	2	0	2	1	0	.2	.1	.3	.2	.1	1.0
9	.3	2	0	2	1	0	.2	.1	.3	.2	.1	1.0
10	.3	2	0	2	1	0	.2	.1	.3	.2	.1	1.0
11	1.0	1	0	1	1	0	.2	.1	.3	.1	.1	1.5
12	1.0	1	0	1	1	0	.2	.1	.3	.1	.1	1.5
13	1.0	1	0	1	1	0	.2	.1	.3	.1	.1	1.5
14	1.0	1	0	1	1	0	.2	.1	.3	.1	.1	1.5
15	1.0	1	0	1	1	0	.2	.1	.3	.1	.1	1.5
16	1.0	1	1	1	1	0	.2	.1	.3	.1	.1	1.5
17	1.0	1	1	1	1	0	.2	.1	.3	.1	.1	1.5
18	1.0	1	1	1	1	0	.2	.1	.3	.1	.1	1.5
19	1.0	1	1	1	1	0	.2	.1	.3	.1	.1	1.5
20	1.0	1	1	1	1	0	.2	.1	.3	.1	.1	1.5
21	2.0	0	1	1	1	0	.2	.1	.3	.1	.1	1.5
22	2.0	0	1	1	1	0	.2	.1	.3	.1	.1	1.5
23	2.0	0	1	1	1	0	.2	.1	.3	.1	.1	1.5
24	2.0	0	1	1	1	0	.2	.1	.3	.1	.1	1.5
25	2.0	0	1	1	1	0	.2	.1	.3	.1	2.0	1.5
26	3.0	0	2	1	0	0	.2	.0	.2	.1	2.0	1.5
27	3.0	0	2	1	0	0	.2	.0	.2	.1	2.0	1.5
28	3.0	0	2	1	0	0	.2	.0	.2	.1	1.0	1.5
29	3.0	0	2	1	.....	0	.2	.0	.2	.1	1.0	1.5
30	3.0	0	2	1	.....	0	.2	.0	.2	.1	1.0	1.5
31	3.0	.....	2	1	.....	0	.....	.0	.....	.1	1.0	.....
Mean	1.0	1	1	1	1	0	0.2	0.1	0.2	0.1	0.4	1.0
Max.	3.0	2	2	2	1	0	.2	.1	.3	.2	2.0	1.5
Min.	1.0	0	0	1	0	0	.2	.0	.0	.1	.1	1.0
A. F.	81.0	60	54	81	50	6	12.0	5.0	14.0	8.0	25.0	79.0
Total Acre-feet	475											

DAWSON COUNTY DRAIN—Sec. 25-10-23 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6	6	8	5	4	4	3	6	6	8	9	10
2	6	6	8	5	4	4	3	6	6	8	9	10
3	6	6	8	5	4	4	3	6	6	8	9	10
4	6	6	8	5	4	4	3	6	6	8	9	10
5	6	6	8	5	4	4	3	6	6	8	9	10
6	6	6	6	5	4	4	3	6	7	8	9	10
7	6	6	6	5	4	4	3	6	7	8	9	10
8	6	6	6	5	4	4	3	6	7	8	9	10
9	6	6	6	5	4	4	3	6	7	8	9	10
10	6	6	6	5	4	4	3	6	7	8	9	10
11	6	6	6	4	4	4	3	6	7	8	9	12
12	6	6	6	4	4	4	3	6	7	8	9	12
13	6	6	6	4	4	4	3	6	7	8	9	12
14	6	6	6	4	4	4	3	6	7	8	9	12
15	6	6	6	4	4	4	3	6	7	8	9	12
16	6	6	6	4	4	4	3	6	8	8	9	12
17	6	6	6	5	4	4	3	6	8	8	9	12
18	6	6	6	5	4	4	3	6	8	8	9	12
19	6	6	6	5	4	4	3	6	8	8	9	12
20	6	6	6	5	4	4	6	6	8	8	9	12
21	6	8	5	2	4	4	6	6	8	8	9	10
22	6	8	5	2	4	4	6	6	8	8	9	10
23	6	8	5	2	4	4	6	6	8	8	9	10
24	6	8	5	2	4	4	6	6	8	8	9	10
25	6	8	5	2	4	4	6	6	8	8	9	10
26	6	8	5	2	4	4	6	6	8	8	9	8
27	6	8	5	2	4	4	6	6	8	8	9	8
28	6	8	5	2	4	4	6	6	8	8	9	8
29	6	8	5	2	.....	4	6	6	8	8	9	8
30	6	8	5	2	.....	4	6	6	8	8	9	8
31	6	.....	5	2	.....	4	.....	6	.....	8	9	.....
Mean	6	7	6	4	4	4	4	6	7	8	9	10
Max.	6	8	8	5	4	4	6	6	8	8	9	12
Min.	6	6	5	2	4	4	3	6	6	8	9	8
A. F.	369	397	357	222	222	246	244	369	436	492	553	615
Total Acre-feet	4,522											

DEGRAW DRAIN—Sec. 24-20-51 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	9	9	8	5	6	6	5	5	4	2	4	14
2	9	9	8	5	6	6	5	5	4	2	4	14
3	9	9	8	5	6	6	5	5	4	2	4	14
4	9	9	8	5	6	6	5	5	4	2	4	14
5	9	9	8	5	6	6	5	5	4	2	4	14
6	10	9	5	5	5	6	5	5	4	2	4	13
7	10	9	5	5	5	6	5	5	4	2	4	13
8	10	9	5	5	5	6	5	5	4	2	4	13
9	10	9	5	5	5	6	5	5	4	2	4	13
10	10	9	5	5	5	6	5	5	4	2	4	13
11	10	9	5	5	5	6	4	5	4	2	4	13
12	10	9	5	5	5	6	4	5	4	2	4	13
13	10	9	5	5	5	6	4	5	4	2	4	13
14	10	9	5	5	5	6	4	5	4	2	4	13
15	10	9	5	5	5	6	4	5	4	2	4	13
16	10	8	5	6	6	6	4	5	3	2	5	13
17	10	8	5	6	6	6	4	5	3	2	5	13
18	10	8	5	6	6	6	4	5	3	2	5	13
19	10	8	5	6	6	6	4	5	3	2	5	13
20	10	8	5	6	6	6	5	5	3	2	5	13
21	10	8	5	6	6	6	5	5	3	3	5	13
22	10	8	5	6	6	6	5	5	3	3	5	13
23	10	8	5	6	6	6	5	5	3	3	5	13
24	10	8	5	6	6	6	5	5	3	3	5	13
25	10	8	5	6	6	6	5	5	3	3	10	13
26	9	8	5	6	6	6	5	5	3	3	15	12
27	9	8	5	6	6	6	5	5	3	3	15	12
28	9	8	5	6	6	6	5	5	3	3	15	12
29	9	8	5	6	.....	6	5	5	3	3	15	12
30	9	8	5	6	.....	6	5	5	3	3	15	12
31	9	.....	5	6	.....	6	.....	5	.....	3	15	.....
Mean	10	8	5	6	6	6	5	5	4	2	7	13
Max.	10	9	8	6	6	6	5	5	4	3	15	14
Min.	9	8	5	5	5	6	4	5	3	2	4	12
A. F.	593	506	337	339	313	369	280	307	208	145	407	774
Total Acre-feet	4,578											

DUGOUT CREEK, UPPER—Sec. 21-20-50 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14	10	8	5	4	5	3	10	46	2	6	11
2	14	10	8	5	4	5	3	10	26	2	8	11
3	14	10	8	5	4	5	3	14	22	2	8	11
4	14	10	8	5	4	5	3	16	6	2	8	11
5	14	10	8	5	4	4	3	15	18	2	8	10
6	14	10	5	5	3	4	2	12	10	3	8	10
7	14	10	5	5	3	5	2	14	2	4	10	9
8	14	10	5	5	3	5	2	12	2	3	11	10
9	14	10	5	5	3	5	2	12	1	4	10	11
10	14	10	5	5	3	5	2	13	2	4	9	11
11	13	10	5	5	3	5	2	14	4	3	10	12
12	13	10	5	5	3	5	2	14	3	3	11	13
13	13	10	5	5	3	5	2	14	2	3	12	20
14	13	10	5	5	3	5	2	13	2	4	12	28
15	13	10	5	5	3	5	2	11	1	4	12	28
16	12	10	6	4	4	4	2	13	1	4	12	28
17	12	10	6	4	4	4	2	10	1	4	12	27
18	12	10	6	4	4	4	2	10	1	4	12	27
19	12	10	6	4	4	4	2	8	1	4	12	27
20	12	10	6	4	4	4	15	12	1	4	13	27
21	12	8	6	4	5	4	15	11	1	4	13	29
22	12	8	6	4	5	4	12	8	1	4	13	28
23	12	8	6	4	5	4	12	16	1	4	12	28
24	12	8	6	4	5	4	12	12	1	4	12	28
25	12	8	6	4	5	4	12	12	1	5	160	29
26	10	8	6	4	5	3	10	10	2	5	40	29
27	10	8	6	4	5	3	10	10	2	5	18	29
28	10	8	6	4	5	3	10	10	2	4	14	29
29	10	8	6	4	.....	3	10	10	2	4	13	29
30	10	8	6	4	.....	3	10	80	2	4	12	29
31	10	.....	6	4	.....	3	.....	66	.....	.....	12	.....
Mean	12	9	6	4	4	4	6	16	6	4	15	21
Max.	14	10	8	5	5	5	15	80	46	5	100	29
Min.	10	8	5	4	3	3	2	10	1	2	6	9
A. F.	764	555	369	276	218	260	339	976	331	224	918	1250
Total Acre-feet	6,480											

ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	107	150	174	*	*	286	310	336	160	58	77	90
2	108	156	162	.....	.....	274	290	365	150	63	148	110
3	107	156	156	.....	.....	254	290	326	136	60	319	108
4	105	159	153	.....	.....	232	232	305	134	58	259	92
5	105	162	145	.....	.....	246	208	302	136	58	206	84
6	100	162	145	.....	.....	246	201	298	131	59	218	86
7	100	165	128	156	.....	222	184	363	128	136	200	82
8	100	159	125	*	.....	208	168	459	138	178	173	81
9	98	140	125	.....	.....	201	194	517	134	148	155	86
10	100	125	125	.....	.....	174	201	542	130	116	140	80
11	102	135	120	.....	.....	156	194	565	126	110	128	79
12	102	153	120	.....	.....	201	194	587	123	113	112	89
13	111	180	120	.....	.....	229	180	573	118	113	112	107
14	115	198	120	.....	.....	215	180	506	113	106	107	102
15	116	180	120	.....	.....	201	174	451	111	101	102	100
16	111	170	140	.....	.....	204	167	386	108	98	98	108
17	111	160	140	.....	.....	208	164	329	104	105	99	116
18	113	150	140	.....	.....	262	163	298	98	117	93	117
19	118	160	140	.....	.....	201	157	259	88	111	150	110
20	125	160	140	.....	*	140	167	240	74	104	148	104
21	123	160	140	.....	150	156	191	222	63	95	146	94
22	142	160	140	.....	*	204	191	214	62	100	138	86
23	194	160	140	.....	.....	245	184	202	71	107	134	82
24	184	168	140	.....	.....	294	184	193	81	110	128	75
25	177	156	140	.....	.....	310	184	181	78	99	120	72
26	174	156	140	.....	.....	322	175	175	76	88	117	99
27	153	156	140	.....	.....	338	169	167	73	80	112	107
28	142	171	140	.....	.....	342	166	183	70	69	107	108
29	145	187	140	.....	.....	370	186	200	66	67	102	100
30	138	180	140	.....	.....	410	326	175	61	60	100	107
31	145	.....	140	.....	.....	370	.....	166	.....	60	95	.....
Mean	125	161	138	165	145	249	199	325	105	95	140	95
Max.	194	198	174	156	150	410	326	587	160	178	319	117
Min.	98	125	120	156	150	140	157	166	61	58	77	72
A. F.	7690	9580	8480	10100	8050	15300	11800	20000	6250	5850	8610	5680
Total Acre-feet	117,000											

* Estimated.

ELKHORN RIVER AT WATERLOO—Sec. 3-15-10 E.

Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	526	500	550	475	400	1130	2700	1780	588	292	353	350
2	532	500	550	475	400	1100	1790	1810	554	292	412	384
3	526	500	550	475	400	947	1400	1580	542	289	542	369
4	515	505	550	475	400	848	1300	1300	510	286	434	388
5	515	526	550	475	400	862	1270	1150	485	282	606	396
6	500	520	300	475	250	848	1150	1060	490	253	548	438
7	500	532	300	475	250	825	1060	963	465	317	520	420
8	500	520	300	475	250	832	1020	1190	452	388	542	365
9	510	526	300	475	250	818	1010	1470	465	495	447	317
10	495	495	300	475	250	751	963	1820	542	1330	424	296
11	465	447	300	475	300	676	1010	1270	564	1430	420	282
12	470	447	300	475	300	716	971	1280	470	1390	429	331
13	470	452	300	475	300	795	923	1460	416	6600	376	526
14	452	495	300	475	300	931	862	1460	404	2610	361	404
15	460	456	300	475	300	1120	840	1370	392	2250	338	376
16	442	350	375	508	330	1050	825	1290	369	1210	328	424
17	438	330	375	475	346	908	802	1190	372	1090	310	400
18	424	300	375	475	375	840	810	1090	353	947	306	878
19	424	400	375	475	375	1170	788	987	331	772	357	765
20	416	450	375	475	375	1100	765	915	320	810	372	588
21	404	520	375	500	575	1050	848	802	317	676	554	630
22	442	500	375	500	575	963	818	758	306	656	460	442
23	537	480	375	500	575	963	810	723	310	643	438	380
24	526	520	375	500	575	1060	758	682	313	542	438	350
25	542	520	375	500	575	987	765	669	306	537	424	324
26	559	550	375	500	750	1010	758	636	299	532	490	380
27	542	530	375	500	800	1190	709	618	306	505	480	324
28	564	530	375	500	991	1640	676	612	306	438	434	313
29	542	540	375	500	.....	2280	669	606	302	396	408	303
30	520	560	375	500	.....	2600	709	600	302	376	384	303
31	495	.....	375	500	.....	3000	.....	606	.....	356	365	.....
Mean	492	483	379	485	427	1130	993	1090	405	935	429	415
Max.	564	560	550	508	991	3000	2700	1820	588	6600	606	887
Min.	404	300	375	475	250	676	669	600	299	253	306	282
A. F.	30300	28700	23300	29800	23700	69500	59100	67000	24100	57500	26400	24700
Total Acre-feet	464,000											

ELM CREEK—Sec. 33-9-18 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1	1	0	0	0	0	1	65	13	1	0	31
2	1	1	0	0	0	0	1	49	9	4	0	31
3	1	1	0	0	0	0	1	8	10	7	0	31
4	1	1	0	0	0	0	1	15	9	7	0	31
5	1	1	0	0	0	0	1	36	9	8	0	31
6	1	1	0	0	0	0	2	25	9	4	0	31
7	1	1	0	0	0	0	2	80	8	1	0	31
8	1	1	0	0	0	0	2	70	9	40	0	31
9	1	1	0	0	0	0	2	21	30	80	0	31
10	1	1	0	0	0	0	2	10	21	21	1	31
11	1	0	0	0	0	0	3	7	12	5	8	25
12	1	0	0	0	0	0	3	5	12	6	17	25
13	1	0	0	0	0	0	3	5	13	8	9	25
14	1	0	0	0	0	0	3	3	10	39	1	25
15	1	0	0	0	0	0	3	1	7	70	1	25
16	1	0	0	0	0	0	3	1	10	37	2	25
17	1	0	0	0	0	0	3	1	13	4	1	25
18	1	0	0	0	0	0	3	1	9	2	1	25
19	1	0	0	0	0	0	3	1	5	1	1	25
20	1	0	0	0	0	0	3	1	5	1	1	25
21	1	0	0	0	0	0	3	30	6	0	1	25
22	1	0	0	0	0	0	3	17	3	1	0	25
23	1	0	0	0	0	0	3	21	1	1	0	25
24	1	0	0	0	0	0	3	12	1	0	1	25
25	1	0	0	0	0	0	3	4	2	1	1	25
26	1	0	0	0	0	0	3	3	4	1	2	25
27	1	0	0	0	0	0	3	1	7	0	4	25
28	1	0	0	0	0	0	3	1	5	0	7	25
29	1	0	0	0	.....	0	3	8	4	0	6	25
30	1	0	0	0	.....	0	3	5	2	0	5	25
31	1	.....	0	0	.....	0	.....	13	.....	0	.....	.....
Mean	1	1	0	0	0	0	2	17	8	11	2	27
Max.	1	1	0	0	0	0	3	80	30	80	17	31
Min.	1	0	0	0	0	0	1	1	1	0	0	25
A. F.	61	20	0	0	0	0	149	1031	512	696	139	1607
Total Acre-feet	4,215											

FAIRFIELD SEEP—Sec. 18-21-53 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4	2	1	0	0	1	1	1	1	2	3	2
2	4	2	1	0	0	1	1	1	1	2	3	2
3	4	2	1	0	0	1	1	1	1	2	3	2
4	4	2	1	0	0	1	1	1	1	2	3	2
5	4	2	1	0	0	1	1	1	1	2	3	2
6	3	2	0	0	0	1	1	1	1	2	3	2
7	3	2	0	0	0	1	1	1	1	2	3	2
8	3	2	0	0	0	1	1	1	1	2	3	2
9	3	2	0	0	0	1	1	1	1	2	3	2
10	3	2	0	0	0	1	1	1	1	2	3	2
11	3	2	0	0	0	1	1	1	1	2	3	2
12	3	2	0	0	0	1	1	1	1	2	3	2
13	3	2	0	0	0	1	1	1	1	2	3	2
14	3	2	0	0	0	1	1	1	1	2	3	2
15	3	2	0	0	0	1	1	1	1	2	3	2
16	3	2	0	0	0	1	1	1	1	2	3	2
17	3	2	0	0	0	1	1	1	2	2	3	2
18	3	2	0	0	0	1	1	1	2	2	3	2
19	3	2	0	0	0	1	1	1	2	2	3	2
20	3	2	0	0	0	1	1	1	2	2	3	2
21	3	2	0	0	1	1	0	1	2	2	3	2
22	3	2	0	0	1	1	0	1	2	2	3	1
23	3	2	0	0	1	1	0	1	2	2	3	1
24	3	2	0	0	1	1	0	1	2	2	3	1
25	3	2	0	0	1	1	0	1	2	2	3	1
26	3	2	0	0	1	1	0	1	2	2	3	1
27	3	2	0	0	1	1	0	1	2	2	3	1
28	3	2	0	0	1	1	0	1	2	2	3	1
29	3	2	0	0	.....	1	0	1	2	2	3	1
30	3	2	0	0	.....	1	0	1	2	2	3	1
31	3	.....	0	0	.....	1	.....	1	.....	2	3	.....
Mean	3	2	1	0	1	1	1	1	2	2	3	2
Max.	4	2	1	0	1	1	1	1	2	2	3	2
Min.	3	2	0	0	0	1	0	1	1	2	3	1
A. F.	194	119	10	0	16	61	40	61	89	123	184	104
Total Acre-feet	1,001											

FANNING SEEP--Sec. 28-23-56 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7	6	5	6	5	4	4	4	3	3	4	5
2	7	6	5	6	5	4	4	4	3	3	4	5
3	7	6	5	6	5	4	4	4	3	3	4	5
4	7	6	5	6	5	4	4	4	3	3	4	5
5	7	6	5	6	5	4	4	4	3	3	4	5
6	7	6	5	6	4	4	3	4	3	3	4	5
7	7	6	5	6	4	4	3	4	3	3	4	5
8	7	6	5	6	4	5	3	4	3	3	4	5
9	7	6	5	6	4	5	3	4	3	3	4	5
10	7	6	5	6	4	6	3	4	3	3	4	5
11	7	6	5	6	4	6	3	4	3	3	4	5
12	7	6	5	6	4	6	3	4	3	3	4	5
13	7	6	5	6	4	6	3	4	3	3	4	5
14	7	6	5	6	4	6	3	4	3	3	4	5
15	7	6	5	6	4	6	3	4	3	3	4	5
16	7	6	5	6	5	5	3	4	3	4	5	6
17	7	6	5	6	5	5	3	4	3	4	5	6
18	7	6	5	6	5	5	3	4	3	4	5	6
19	7	6	5	6	5	5	3	4	3	4	5	6
20	7	6	5	6	5	5	4	4	3	4	5	6
21	7	6	6	5	5	5	4	4	3	4	5	6
22	7	6	6	5	5	5	4	4	3	4	5	6
23	7	6	6	5	5	5	4	4	3	4	5	6
24	7	6	6	5	5	5	4	4	3	4	5	6
25	7	6	6	5	5	5	4	4	3	4	5	6
26	7	6	6	5	5	5	4	4	3	4	5	6
27	6	5	6	5	5	4	4	4	3	4	5	6
28	6	5	6	5	5	4	4	4	3	4	5	6
29	6	5	6	5	.....	4	4	4	3	4	5	6
30	6	5	6	5	.....	4	4	4	3	4	5	6
31	6	.....	6	5	.....	4	.....	4	.....	4	5	.....
Mean	7	6	5	6	5	5	4	4	3	4	5	6
Max.	7	6	6	6	5	6	4	4	3	4	5	6
Min.	6	5	5	5	4	4	3	4	3	3	4	5
A. F.	419	347	329	347	258	294	210	246	179	216	278	327
Total Acre-feet	3,450											

FRENCHMAN RIVER ABOVE MARANVILLE RESERVOIR--Sec. 10-6-41 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	4	5	5	5	5	4	8	3	3	3	15
2	5	4	5	5	5	5	4	8	3	3	3	10
3	5	4	5	5	5	5	4	8	3	3	3	8
4	5	4	5	5	5	5	4	8	3	3	3	4
5	5	4	5	5	5	5	4	8	3	3	3	4
6	5	4	5	5	5	5	4	8	3	3	3	4
7	5	4	5	5	5	5	4	8	3	3	3	4
8	5	4	5	5	5	5	4	8	3	3	3	4
9	5	4	5	5	5	5	4	8	3	3	3	4
10	5	4	5	5	5	5	4	8	3	3	3	4
11	5	4	5	5	5	4	6	7	3	3	3	4
12	5	4	5	5	5	4	6	7	3	3	3	10
13	5	4	5	5	5	4	6	7	3	3	3	15
14	5	4	5	5	5	4	6	7	3	3	3	15
15	5	4	5	5	5	4	6	7	3	3	3	10
16	5	4	5	5	6	4	7	7	3	3	3	6
17	5	4	5	5	6	4	7	7	3	3	3	6
18	5	4	5	5	6	4	7	7	3	3	3	6
19	5	4	5	5	6	4	7	7	3	3	3	6
20	5	4	5	5	6	4	7	7	3	3	3	6
21	5	4	5	5	6	4	10	6	3	3	5	4
22	5	4	5	5	6	10	10	6	3	3	7	4
23	5	4	5	5	6	6	10	6	3	3	10	4
24	5	4	5	5	6	4	10	6	3	3	12	4
25	5	4	5	5	6	4	10	6	3	3	12	4
26	5	4	5	5	6	4	8	6	3	3	15	4
27	5	4	5	5	6	4	8	6	3	3	18	4
28	5	4	5	5	6	4	8	6	3	3	20	4
29	5	4	5	5	.....	4	8	6	3	3	20	4
30	5	4	5	5	.....	4	8	6	3	3	20	4
31	5	.....	5	5	.....	4	.....	6	.....	3	20	.....
Mean	5	4	5	5	5	5	6	7	3	3	7	6
Max.	5	4	5	5	6	10	10	8	3	3	20	15
Min.	5	4	5	5	5	4	4	6	3	3	3	4
A. F.	307	238	307	307	303	282	387	428	178	184	434	367
Total Acre-feet	3,722											

FRENCHMAN RIVER BELOW MARANVILLE RESERVOIR—Sec. 11-6-41 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4	5	5	5	5	5	5	4	3	1	1	3
2	4	5	5	5	5	5	5	4	3	1	1	3
3	4	5	5	5	5	5	5	4	3	1	1	3
4	4	5	5	5	5	5	5	4	3	1	1	3
5	4	5	5	5	5	5	5	4	3	1	1	3
6	4	5	5	5	5	5	5	4	3	1	1	3
7	4	5	5	5	5	5	5	4	3	1	1	3
8	4	5	5	5	5	5	5	4	3	1	1	3
9	4	5	5	5	5	5	5	4	3	1	1	3
10	4	5	5	5	5	5	5	4	3	1	1	3
11	4	5	5	5	5	5	8	4	1	1	1	3
12	4	5	5	5	5	5	8	4	1	1	1	3
13	4	5	5	5	5	5	8	4	1	1	1	3
14	4	5	5	5	5	5	8	4	1	1	1	3
15	4	5	5	5	5	5	8	4	1	1	1	3
16	4	5	5	5	5	5	8	4	1	1	1	3
17	4	5	5	5	5	5	8	4	1	1	1	3
18	4	5	5	5	5	5	8	4	1	1	1	3
19	4	5	5	5	5	5	8	4	1	1	1	3
20	4	5	5	5	5	5	8	4	1	1	1	3
21	4	5	5	5	5	5	8	4	1	1	1	3
22	4	5	5	5	5	5	6	4	2	1	2	3
23	4	5	5	5	5	5	6	4	2	1	2	3
24	4	5	5	5	5	5	6	4	2	1	2	3
25	4	5	5	5	5	5	6	4	1	1	2	3
26	4	5	5	5	5	5	6	4	1	1	2	3
27	4	5	5	5	5	5	6	4	1	1	2	3
28	4	5	5	5	5	5	6	4	1	1	2	3
29	4	5	5	5	5	5	6	4	1	1	2	3
30	4	5	5	5	.....	5	6	4	1	1	2	3
31	4	.....	5	5	.....	5	6	4	.....	1	2	.....
Mean	4	5	5	5	5	5	6	4	2	1	1	3
Max.	4	5	5	5	5	5	8	4	3	1	2	3
Min.	4	5	5	5	5	5	5	4	1	1	1	3
A. F.	246	297	307	307	278	307	377	246	107	61	83	178
Total Acre-feet	2,794											

FRENCHMAN RIVER NEAR CHAMPION—Sec. 19-6-39 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	30	36	23	41	41	30	11	26	21	65	25	31
2	29	35	23	40	41	25	14	19	21	57	26	31
3	27	34	23	40	41	26	14	16	21	33	26	27
4	26	33	24	39	42	32	19	23	22	40	25	24
5	25	33	25	39	42	35	26	22	26	52	21	25
6	24	33	25	41	25	35	21	24	30	57	24	24
7	24	28	29	40	25	30	15	27	33	64	19	25
8	24	10	20	40	25	30	17	29	44	65	13	26
9	25	14	18	41	25	35	18	38	35	67	13	27
10	25	16	16	41	25	41	16	43	31	63	12	27
11	24	17	16	41	40	41	16	43	31	58	11	31
12	23	19	16	40	46	41	16	42	29	53	12	42
13	23	19	16	40	42	33	18	43	29	43	12	40
14	23	19	16	41	42	23	19	42	26	52	12	34
15	22	19	16	41	42	21	29	42	14	56	12	34
16	24	20	20	42	45	20	30	38	12	59	17	33
17	23	20	20	41	50	20	27	26	12	50	16	29
18	22	20	20	41	48	20	19	19	12	39	16	28
19	21	21	20	41	46	20	18	19	12	40	15	31
20	20	21	20	41	45	20	22	20	20	43	16	29
21	31	22	25	41	47	19	37	18	32	46	18	34
22	37	22	25	41	49	20	42	19	34	48	20	33
23	34	22	25	41	46	20	37	26	34	45	22	33
24	34	22	25	41	46	20	30	29	33	37	22	32
25	33	22	25	41	44	19	27	20	34	33	21	32
26	35	23	30	41	41	19	24	20	34	30	40	31
27	38	23	32	41	39	16	24	20	39	30	45	30
28	37	22	35	41	37	13	25	20	53	28	49	31
29	35	22	35	41	.....	14	26	20	60	29	65	32
30	35	22	35	41	.....	14	27	20	64	27	47	31
31	35	.....	38	41	.....	13	20	.....	29	37	.....	.....
Mean	28	23	24	41	40	25	23	27	30	46	24	31
Max.	38	36	38	42	50	41	42	43	64	67	65	42
Min.	20	10	16	39	25	13	11	16	12	27	11	24
A. F.	1720	1370	1460	2500	2230	1520	1360	1650	1780	2850	1440	1820
Total Acre-feet	21,700											

FRENCHMAN RIVER NEAR HAMLET—Sec. 19-5-34 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	97	104	103	115	106	129	98	107	87	79	60	142
2	97	110	107	115	106	127	97	106	79	78	69	142
3	99	107	107	115	106	122	95	104	84	72	79	115
4	100	106	107	115	107	119	95	106	81	71	75	119
5	91	106	105	115	106	115	91	108	77	64	75	117
6	96	106	106	130	107	97	90	105	79	75	75	115
7	102	109	107	141	90	94	91	103	73	78	77	113
8	99	105	60	134	75	85	90	105	71	73	101	111
9	100	108	65	135	64	90	95	103	73	80	79	93
10	107	104	70	130	70	95	95	107	74	79	79	93
11	101	103	75	133	100	100	94	107	73	77	79	238
12	99	103	75	133	100	100	92	112	77	71	69	134
13	103	98	75	129	100	100	95	118	87	73	66	133
14	101	102	75	129	100	100	99	117	86	80	65	141
15	99	100	75	127	100	100	95	118	87	79	67	133
16	90	101	85	127	120	105	96	114	79	133	59	125
17	104	99	85	123	120	110	95	116	75	84	63	120
18	103	100	85	127	120	115	99	115	67	85	63	119
19	105	103	85	126	120	113	102	111	71	87	60	116
20	102	103	85	121	120	111	113	104	64	87	56	116
21	99	104	90	117	135	110	116	99	61	83	60	114
22	93	102	90	112	152	111	124	95	61	84	73	114
23	99	105	90	106	149	109	126	92	77	77	81	112
24	103	105	90	101	145	109	127	89	77	78	207	110
25	102	105	90	106	142	108	131	104	77	79	229	110
26	106	103	100	107	138	107	125	103	75	77	102	106
27	106	106	100	107	136	106	122	95	76	78	106	108
28	106	106	100	106	129	105	116	94	73	76	178	104
29	107	105	100	106	.....	103	113	94	62	70	306	102
30	107	107	100	107	.....	102	110	88	75	66	299	100
31	109	.....	100	103	.....	101	.....	83	.....	65	208	.....
Mean	101	104	90	119	113	106	104	104	75	79	105	120
Max.	109	110	107	141	152	129	131	118	87	133	306	238
Min.	90	98	60	101	64	85	90	83	61	64	56	93
A. F.	6210	6190	5530	7320	6280	6520	6190	6400	4480	4830	6460	7140
Total Acre-feet	73,550											

FRENCHMAN RIVER AT CULBERTSON—Sec. 16-3-31 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	40	59	143	.....	*	220	165	89	33	29	33	341
2	40	60	143	.....	.....	220	163	89	29	29	49	302
3	42	63	143	.....	.....	220	151	85	25	28	25	250
4	41	63	143	.....	.....	220	141	100	16	29	20	238
5	43	63	143	.....	.....	220	139	121	16	31	23	203
6	58	70	143	.....	.....	190	141	123	16	28	21	187
7	58	74	140	.....	.....	185	145	125	19	24	22	157
8	51	74	140	.....	.....	181	145	118	20	37	395	135
9	50	74	140	.....	.....	165	143	129	16	40	105	127
10	50	74	140	.....	.....	175	147	135	13	30	41	112
11	50	74	110	.....	.....	190	139	139	18	24	35	205
12	44	75	110	.....	.....	190	139	133	25	17	32	560
13	41	75	110	.....	.....	190	139	135	32	18	25	374
14	42	69	110	.....	.....	190	141	137	29	17	21	308
15	44	69	110	.....	.....	190	147	139	24	18	21	285
16	43	68	125	.....	.....	189	141	125	19	16	23	248
17	43	143	125	.....	.....	185	145	119	29	21	18	228
18	45	114	125	*	.....	178	121	109	35	18	18	203
19	45	133	125	196	.....	192	97	109	36	18	21	196
20	45	143	125	*	*	196	112	95	33	18	21	194
21	47	143	135	.....	.....	205	114	91	19	17	21	165
22	48	143	135	.....	257	214	131	86	20	17	30	149
23	48	143	135	.....	*	216	170	88	21	34	33	145
24	50	153	135	.....	.....	209	161	75	21	18	110	139
25	53	143	135	.....	.....	212	159	68	21	12	174	141
26	62	143	150	.....	.....	216	145	58	31	20	230	133
27	57	143	150	.....	.....	209	129	63	33	24	97	135
28	54	143	150	.....	*	205	112	53	31	13	1200	131
29	54	143	150	.....	.....	194	102	43	29	32	389	129
30	60	143	150	.....	.....	189	99	41	28	30	464	123
31	61	.....	150	*	.....	185	.....	35	.....	29	446	.....
Mean	49	103	134	180	200	198	137	99	25	24	134	208
Max.	62	153	150	196	257	220	170	139	36	40	1200	560
Min.	40	59	110	196	257	165	97	35	13	12	18	112
A. F.	2990	6130	8240	11100	11100	12200	8150	6060	1460	1460	8240	12400
Total Acre-feet	89,500											

* Estimated.

GERING DRAIN NEAR GERING--Sec. 6-21-54 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	88	38	38	30	30	23	24	23	55	57	50	78
2	80	37	39	30	30	24	27	24	58	50	54	78
3	68	37	38	30	30	23	24	24	57	56	58	78
4	84	37	38	30	30	22	23	70	42	61	62	78
5	83	39	38	30	30	22	22	72	87	82	65	78
6	88	38	36	31	30	22	23	58	43	104	63	75
7	46	40	36	31	28	41	24	107	50	93	61	75
8	52	41	36	31	27	35	23	91	57	82	65	71
9	42	44	36	31	27	37	23	89	52	88	69	67
10	52	41	36	31	27	34	22	78	47	94	68	75
11	52	41	35	32	26	30	22	66	52	64	67	100
12	46	40	34	32	26	30	22	55	56	34	79	110
13	46	38	34	32	26	35	22	41	56	36	70	120
14	52	38	34	32	26	32	22	41	57	39	68	131
15	54	38	34	32	26	31	22	38	50	56	65	135
16	46	38	33	32	26	31	21	40	42	73	64	140
17	45	38	33	32	26	30	18	41	51	59	64	140
18	46	40	33	32	26	29	18	38	60	45	62	145
19	45	40	33	32	26	30	19	28	60	54	61	150
20	44	40	33	32	26	30	90	38	61	64	60	150
21	44	40	32	32	25	30	52	36	63	64	58	148
22	46	38	32	32	25	30	44	36	65	64	60	148
23	41	38	32	32	25	28	40	190	76	64	61	146
24	40	37	32	32	25	30	36	72	88	65	59	145
25	41	35	32	32	25	29	35	46	98	62	57	144
26	42	36	30	32	24	30	61	65	107	59	64	143
27	42	39	30	32	23	30	74	59	90	56	72	142
28	37	42	30	32	23	28	58	52	72	52	76	120
29	39	42	30	32	.....	28	74	50	68	50	80	100
30	39	45	30	32	.....	27	67	54	64	49	80	80
31	38	.....	30	32	.....	25	.....	42	.....	50	80	.....
Mean	52	39	34	32	27	29	35	57	63	62	65	113
Max.	88	45	39	32	30	41	90	190	107	104	80	150
Min.	37	35	30	30	25	22	18	23	42	34	50	67
A. F.	3190	2330	2080	1940	1480	1800	2090	3500	3740	3820	4010	6720
Total Acre-feet	36,700											

GOTHENBURG POWER WASTE--Sec. 9-11-25 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	125	159	163	160	179	170	184	166	150	150	147	143
2	110	159	163	160	179	170	184	166	147	141	136	139
3	136	159	163	160	179	170	184	194	194	141	137	147
4	142	159	163	160	179	170	184	191	170	136	142	140
5	120	159	163	160	179	170	184	166	128	150	139	130
6	88	160	163	166	169	176	182	175	155	158	153	143
7	74	160	163	166	169	176	182	161	133	124	146	143
8	130	160	163	166	169	176	182	168	188	141	139	132
9	124	160	163	166	169	176	182	0	182	130	139	143
10	105	160	163	166	169	176	182	0	177	158	139	143
11	142	161	162	172	159	183	181	0	166	155	139	143
12	*142	161	162	172	159	183	181	0	130	136	142	150
13	142	161	162	172	159	183	181	0	166	136	121	136
14	142	161	162	172	159	183	181	0	136	136	177	130
15	142	161	162	172	159	183	181	0	141	124	191	136
16	146	161	162	178	149	188	177	0	124	124	188	144
17	146	161	162	178	149	188	177	0	130	124	183	150
18	146	161	162	178	149	188	177	0	97	136	143	143
19	146	161	162	178	149	188	177	0	80	146	177	140
20	146	161	162	178	149	188	177	0	75	166	202	20
21	150	162	161	184	156	187	173	0	186	114	158	67
22	150	162	161	184	156	187	173	0	190	166	150	143
23	150	162	161	184	156	187	173	61	183	188	166	130
24	150	162	161	184	156	187	173	84	188	160	166	143
25	150	162	161	184	156	187	173	38	150	177	166	143
26	155	163	161	189	163	186	169	136	183	158	158	143
27	155	163	161	189	163	186	169	114	166	150	158	150
28	155	163	161	189	163	186	169	170	158	188	166	150
29	155	163	161	189	.....	186	169	223	166	84	130	130
30	155	163	161	189	.....	186	169	136	166	81	150	105
31	155	.....	161	189	.....	186	.....	136	.....	36	150	.....
Mean	138	161	162	175	162	182	178	80	153	142	155	133
Max.	155	163	163	189	179	188	184	223	194	188	202	150
Min.	74	159	161	160	149	170	169	0	75	81	121	20
A. F.	8477	9580	9959	10778	9346	11179	10572	4929	9134	8755	9517	7932
Total Acre-feet	110,158											
* Estimated												

GRAVEL CREEK—Sec. 9-14-36 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3	3	2	2	2	2	2	3	4	3	3	4
2	3	3	2	2	2	2	2	3	4	3	3	4
3	3	3	2	2	2	2	2	3	4	3	3	4
4	3	3	2	2	2	2	2	3	4	3	3	4
5	3	3	2	2	2	2	2	3	4	3	3	4
6	3	3	1	2	1	2	2	3	4	3	2	4
7	3	3	1	2	1	2	2	3	4	3	2	4
8	3	3	1	2	1	2	2	3	4	3	2	4
9	3	3	1	2	1	2	2	3	4	3	2	4
10	3	3	1	2	1	2	2	3	4	3	2	4
11	3	2	1	2	1	2	3	3	3	3	2	3
12	3	2	1	2	1	2	3	3	3	3	2	3
13	3	2	1	2	1	2	3	3	3	3	2	3
14	3	2	1	2	2	2	3	3	3	3	2	3
15	3	2	1	2	2	2	3	3	3	3	2	3
16	3	2	2	2	2	2	3	3	2	3	2	3
17	3	2	2	2	2	2	3	3	2	3	2	3
18	3	2	2	2	2	2	3	3	2	3	2	3
19	3	2	2	2	2	2	3	3	2	3	2	3
20	3	2	2	2	2	2	3	3	2	3	2	3
21	3	2	2	2	2	2	3	3	2	3	3	3
22	3	2	2	2	2	2	3	3	2	3	3	3
23	3	2	2	2	2	2	3	3	2	3	3	3
24	3	2	2	2	2	2	3	3	2	3	3	3
25	3	2	2	2	2	2	3	3	2	3	3	3
26	3	2	2	2	2	2	3	3	2	3	3	3
27	3	2	2	2	2	2	3	3	2	3	3	3
28	3	2	2	2	2	2	3	3	2	3	3	3
29	3	2	2	2	.....	2	3	3	2	3	3	5
30	3	2	2	2	.....	2	3	3	2	3	3	3
31	3	.....	2	2	.....	2	.....	3	.....	3	3	.....
Mean	3	2	2	2	2	2	3	3	3	3	3	3
Max.	3	3	2	2	2	2	3	3	4	3	3	4
Min.	3	2	1	2	1	2	2	3	2	3	2	3
A. F.	184	139	103	123	95	123	159	184	169	184	155	198
Total Acre-feet	1,816											

HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	400	52	29	25	20	25	16	38	78	118	83	173
2	271	25	29	25	20	25	14	32	78	74	78	187
3	149	42	31	25	20	25	14	30	81	74	80	230
4	121	40	29	25	20	25	14	123	72	96	81	196
5	108	21	28	25	20	25	16	155	103	84	307	220
6	83	40	29	28	17	25	16	198	92	80	215	77
7	83	38	25	28	17	32	13	149	77	158	180	77
8	83	40	15	28	14	63	13	169	92	166	164	83
9	83	40	15	28	14	71	14	198	48	131	133	94
10	83	40	15	28	14	50	14	252	75	147	122	114
11	72	42	15	28	14	55	14	254	65	178	107	131
12	66	40	15	26	14	48	14	252	107	147	96	249
13	66	40	15	26	15	32	16	313	98	110	86	512
14	62	40	15	26	15	34	14	230	59	77	89	482
15	60	38	15	26	15	30	14	241	58	68	86	432
16	66	40	20	25	15	28	12	268	42	71	81	466
17	56	35	22	25	15	25	15	286	43	78	81	504
18	51	40	22	25	15	28	12	158	46	80	84	411
19	60	38	22	25	15	23	12	153	51	70	74	360
20	62	35	22	25	15	26	289	40	105	65	81	319
21	56	31	22	23	20	24	112	91	173	65	78	298
22	54	33	22	23	20	25	107	173	201	122	81	228
23	51	29	22	23	20	24	49	676	331	92	88	243
24	50	33	22	23	20	22	40	283	363	98	83	189
25	45	33	22	23	20	22	33	122	397	80	81	164
26	50	33	21	23	25	24	31	55	383	78	86	194
27	47	33	21	23	25	23	33	42	277	77	135	158
28	52	33	21	23	25	22	32	41	120	75	153	164
29	52	33	21	23	.....	21	33	110	105	78	340	131
30	45	33	21	23	.....	20	31	91	84	81	363	141
31	40	.....	21	23	.....	16	.....	55	.....	81	353	.....
Mean	85	36	21	25	18	30	35	170	130	97	134	241
Max.	400	52	31	28	25	71	289	676	397	178	363	512
Min.	40	21	15	23	14	16	12	30	42	65	74	77
A. F.	5210	2160	1320	1540	989	1860	2090	10400	7740	5950	8240	14300
Total Acre-feet	61,800											

INDIAN CREEK—Sec. 19-20-50 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	30	13	11	8	7	8	6	6	29	4	9	50
2	30	13	11	8	7	8	6	6	33	4	10	50
3	25	13	11	8	7	8	6	8	29	4	10	50
4	25	13	11	8	7	8	6	8	25	4	10	50
5	20	13	11	8	7	7	6	6	29	4	10	50
6	17	12	8	8	5	7	6	6	16	5	10	40
7	17	12	8	8	5	8	6	8	3	6	10	40
8	17	12	8	8	5	8	6	6	3	6	11	40
9	17	12	8	8	5	8	6	6	3	6	10	40
10	17	12	8	8	5	8	6	8	4	6	10	40
11	15	12	6	8	5	8	5	8	4	6	11	40
12	15	12	6	8	5	8	5	7	4	7	12	40
13	15	12	6	8	5	8	5	7	5	8	12	40
14	15	12	6	8	5	8	5	6	4	7	12	39
15	15	12	6	8	5	8	5	5	4	6	12	30
16	14	12	8	7	6	7	5	6	4	6	12	30
17	14	12	8	7	6	7	5	6	5	6	12	30
18	14	12	8	7	6	7	5	6	4	6	11	30
19	14	12	8	7	6	7	5	6	3	7	12	20
20	14	12	8	7	6	7	8	7	3	6	13	20
21	14	11	8	7	8	7	8	6	2	6	13	20
22	14	11	8	7	8	7	8	5	4	6	13	20
23	14	11	8	7	8	7	7	10	5	7	14	20
24	14	11	8	7	8	7	7	6	5	8	15	20
25	14	11	8	7	8	7	7	6	5	8	50	20
26	13	11	8	7	8	7	6	6	4	9	75	40
27	13	11	8	7	8	7	6	6	4	10	58	42
28	13	11	8	7	8	7	6	6	4	8	40	40
29	13	11	8	7	.....	7	6	6	4	6	58	35
30	13	11	8	7	.....	7	6	14	4	7	77	30
31	13	.....	8	7	.....	7	.....	27	.....	8	60	.....
Mean	16	12	8	7	6	7	6	7	8	6	22	36
Max.	30	13	11	8	8	8	8	27	33	10	77	50
Min.	13	11	6	7	5	7	5	5	3	4	9	20
A. F.	1010	704	502	460	355	456	357	456	506	391	1370	2090
Total Acre-feet	8,657											

KEITH-LINCOLN COUNTY DRAIN—Sec. 23-14-35 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2	2	2	4	2	3	3	3	3	2	2	1
2	2	2	2	4	2	3	3	3	3	2	2	1
3	2	2	2	4	2	3	3	3	3	2	2	1
4	2	2	2	4	2	3	3	3	3	2	2	1
5	2	2	2	4	2	3	3	3	3	2	2	1
6	2	2	2	4	1	3	3	3	3	2	2	1
7	2	2	2	4	1	3	3	3	3	2	2	1
8	2	2	2	4	1	3	3	3	3	2	2	1
9	2	2	2	4	1	3	3	3	3	2	2	1
10	2	2	2	4	1	3	3	3	3	2	2	1
11	2	2	1	3	2	3	3	3	3	2	2	2
12	2	2	1	3	2	3	3	3	3	2	2	2
13	2	2	1	3	2	3	3	3	3	2	2	2
14	2	2	1	3	2	3	3	3	3	2	2	2
15	2	2	1	3	3	3	3	3	3	2	2	2
16	2	2	2	3	3	3	3	3	2	2	2	2
17	2	2	2	3	3	3	3	3	2	2	2	2
18	2	2	2	3	3	3	3	3	2	2	2	2
19	2	2	2	3	3	3	3	3	2	2	2	2
20	2	2	2	3	3	3	3	3	2	2	2	2
21	2	2	2	2	3	3	3	3	2	2	2	2
22	2	2	2	2	3	3	3	3	2	2	2	2
23	2	2	2	2	3	3	3	3	2	2	2	2
24	2	2	2	2	3	3	3	3	2	2	2	2
25	2	2	2	2	3	3	3	3	2	2	2	2
26	2	2	3	2	3	3	3	3	2	2	2	2
27	2	2	3	2	3	3	3	3	2	2	2	2
28	2	2	3	2	3	3	3	3	2	2	2	2
29	2	2	3	2	.....	3	3	3	2	2	2	2
30	2	2	3	2	.....	3	3	3	2	2	2	2
31	2	.....	3	2	.....	3	.....	3	.....	2	2	.....
Mean	2	2	2	3	2	3	3	3	2	2	2	2
Max.	2	2	3	4	3	3	3	3	3	2	2	2
Min.	2	2	1	2	1	3	3	3	2	2	2	1
A. F.	123	119	125	182	129	184	179	184	149	123	123	99
Total Acre-feet	1,719											

LANE DRAIN—Sec. 30-23-57 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	4	3	2	2	2	1	2	2	4	6	7
2	5	4	3	2	2	2	1	2	2	4	6	7
3	5	4	3	2	2	2	1	2	2	4	6	7
4	5	4	3	2	2	2	1	2	2	4	6	7
5	5	4	3	2	2	2	1	2	2	4	6	7
6	5	4	2	2	1	2	1	2	2	4	6	7
7	5	4	2	2	1	2	1	2	2	4	6	7
8	5	4	2	2	1	2	1	2	2	4	6	7
9	5	4	2	2	1	2	1	2	2	4	6	7
10	5	4	2	2	1	2	1	2	2	4	6	7
11	5	4	2	2	1	2	1	2	2	4	7	6
12	5	4	2	2	1	2	1	2	2	4	7	6
13	5	4	2	2	1	2	1	2	2	4	7	6
14	5	4	2	2	1	2	1	2	2	4	7	6
15	5	4	2	2	1	2	1	2	2	4	7	6
16	5	3	2	2	2	1	1	1	3	5	7	6
17	5	3	2	2	2	1	1	1	3	5	7	6
18	5	3	2	2	2	1	1	1	3	5	7	6
19	5	3	2	2	2	1	1	1	3	5	7	6
20	5	3	2	2	2	1	1	1	3	5	7	6
21	4	3	2	2	2	1	1	1	3	5	8	6
22	4	3	2	2	2	1	1	1	3	5	8	6
23	4	3	2	2	2	1	1	1	3	5	8	6
24	4	3	2	2	2	1	1	1	3	5	8	6
25	4	3	2	2	2	1	1	1	3	5	8	6
26	4	3	2	2	1	1	1	1	3	5	8	6
27	4	3	2	2	1	1	1	1	3	5	8	6
28	4	3	2	2	1	1	2	1	3	5	8	6
29	4	3	2	2	2	1	2	1	3	5	8	6
30	4	3	2	2	2	1	2	1	3	5	8	6
31	4	.....	2	2	2	1	.....	1	.....	5	8	.....
Mean	5	4	2	2	2	2	1	2	2	5	7	6
Max.	5	4	3	2	2	2	2	2	3	5	8	7
Min.	4	3	2	2	1	1	1	1	2	4	6	6
A. F.	286	208	133	123	85	92	70	92	149	278	432	377
Total Acre-feet	2,325											

LEWELLEN DRAIN—Sec. 28-16-42 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2	2	2	2	2	2	2	3	2	1	1	2
2	2	2	2	2	2	2	2	3	2	1	1	2
3	2	2	2	2	2	2	2	3	2	1	1	2
4	2	2	2	2	2	2	2	3	2	1	1	2
5	2	2	2	2	2	2	2	3	2	1	1	2
6	2	2	1	2	1	2	2	3	1	1	1	2
7	2	2	1	2	1	2	2	3	1	1	1	2
8	2	2	1	2	1	2	2	3	1	1	1	2
9	2	2	1	2	1	2	2	3	1	1	1	2
10	2	2	1	2	1	2	2	4	1	1	1	2
11	2	2	1	2	2	2	2	3	1	1	1	2
12	2	2	1	2	2	2	2	3	1	1	1	2
13	2	2	1	2	2	2	2	3	1	1	1	2
14	2	2	1	2	3	2	2	3	1	1	1	2
15	2	2	1	2	3	2	2	3	1	1	1	2
16	2	2	1	2	3	2	2	2	1	1	1	2
17	2	2	1	2	3	2	2	2	1	1	1	2
18	2	2	1	2	3	2	2	2	1	1	1	2
19	2	2	1	2	3	2	2	2	1	1	1	2
20	2	2	1	2	3	2	3	2	1	1	1	2
21	2	2	1	2	2	2	3	2	1	1	1	2
22	2	2	1	2	2	2	3	2	1	1	1	2
23	2	2	1	2	2	2	3	2	1	1	1	2
24	2	2	1	2	2	2	3	2	1	1	1	2
25	2	2	1	2	2	2	3	2	1	1	1	2
26	3	2	1	2	2	2	3	1	1	1	2	2
27	3	2	1	2	2	2	3	1	1	1	2	2
28	3	2	1	2	2	2	3	1	1	1	2	2
29	3	2	1	2	.....	2	3	1	1	1	2	2
30	3	2	1	2	.....	2	3	1	1	1	2	2
31	3	.....	1	2	.....	2	.....	1	.....	1	2	.....
Mean	2	2	1	2	2	2	2	2	1	1	1	2
Max.	3	2	2	2	3	2	3	4	2	1	2	2
Min.	2	2	1	2	2	2	2	1	1	1	1	2
A. F.	135	119	71	123	115	123	141	143	69	61	73	119
Total Acre-feet	1,292											

LINCOLN COUNTY DRAIN NO. 1—Sec. 30-14-30 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	90	65	48	52	48	40	55	67	69	107	123	96
2	90	65	48	52	48	40	55	65	70	105	124	94
3	90	65	48	52	48	40	55	67	65	104	125	94
4	90	65	48	52	48	40	55	67	62	103	125	94
5	90	65	48	52	48	40	55	71	74	106	125	94
6	85	60	48	52	45	40	60	66	80	108	116	95
7	85	60	48	52	45	40	60	66	85	107	106	95
8	85	60	48	52	45	40	60	66	84	106	106	95
9	85	60	45	52	45	40	60	66	83	108	106	95
10	85	60	45	52	45	40	60	70	83	110	106	95
11	80	60	45	50	50	38	65	68	83	108	110	96
12	80	60	45	50	50	38	68	70	85	106	109	96
13	80	60	45	50	55	38	65	69	87	101	108	96
14	80	60	48	50	55	38	65	69	87	96	104	96
15	80	60	48	50	55	38	65	69	87	98	99	96
16	80	55	50	50	50	40	65	69	88	99	90	96
17	80	55	50	50	50	40	65	71	86	102	97	95
18	80	55	50	50	50	40	65	67	92	105	99	95
19	80	55	50	50	50	40	65	69	97	102	111	95
20	80	55	50	50	50	40	70	68	102	100	108	95
21	75	50	50	50	45	45	70	67	107	109	105	90
22	75	50	50	50	45	45	70	62	109	112	108	90
23	75	50	50	50	45	45	70	59	107	112	110	90
24	75	50	50	50	45	45	70	59	105	113	114	90
25	75	50	50	50	45	45	70	64	106	116	118	90
26	70	50	52	49	40	50	70	60	106	119	119	85
27	70	50	52	49	40	50	70	63	106	116	120	85
28	70	49	52	49	40	50	70	63	105	112	120	85
29	70	49	52	49	.....	50	70	68	107	111	121	85
30	70	49	52	49	.....	50	70	68	109	110	110	85
31	67	.....	52	49	.....	50	.....	64	.....	116	99	.....
Mean	80	57	49	50	47	42	64	66	91	107	111	93
Max.	90	65	52	52	55	45	70	71	109	119	125	95
Min.	70	49	45	49	40	38	55	59	62	96	90	85
A. F.	4890	3370	3010	3100	2630	2610	3830	4080	5390	6600	6830	5510
Total Acre-feet	51,850											

LINCOLN COUNTY DRAIN NO. 2—Sec. 12-14-33 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7	8	6	4	4	4	4	8	8	5	7	4
2	7	8	6	4	4	4	4	8	8	5	7	4
3	7	8	6	4	4	4	4	8	8	5	7	4
4	7	8	6	4	4	4	4	8	8	5	7	4
5	7	8	6	4	4	4	4	8	8	5	7	4
6	7	6	5	4	4	4	4	8	6	6	8	5
7	7	6	5	4	4	4	4	8	6	6	8	5
8	7	6	5	4	4	4	4	8	6	6	8	5
9	7	6	5	4	4	4	4	8	6	6	8	5
10	7	6	5	4	4	4	4	8	6	6	8	5
11	7	6	5	4	4	4	4	7	4	6	8	5
12	7	6	5	4	4	4	4	7	4	6	8	5
13	7	6	5	4	4	4	4	7	4	6	8	5
14	7	6	5	4	4	4	4	7	4	6	8	5
15	7	6	5	4	4	4	4	7	4	6	8	5
16	7	6	6	4	4	4	4	7	3	6	7	5
17	7	6	6	4	4	4	4	7	3	6	7	5
18	7	6	6	4	4	4	4	7	3	6	7	5
19	7	6	6	4	4	4	4	7	3	6	7	5
20	7	6	6	4	4	4	5	7	3	6	7	5
21	10	6	6	4	4	4	5	7	3	7	6	5
22	10	6	6	4	4	4	5	7	3	7	6	5
23	10	6	6	4	4	4	5	7	3	7	6	5
24	10	6	6	4	4	4	5	7	3	7	6	5
25	10	6	6	4	4	4	5	7	3	7	6	5
26	10	6	6	4	4	4	5	7	4	7	5	5
27	10	6	6	4	4	4	5	7	4	7	5	5
28	10	6	6	4	4	4	5	7	4	9	5	5
29	10	6	6	4	.....	4	5	7	4	7	5	5
30	8	6	6	4	.....	4	5	7	4	7	5	5
31	8	.....	6	4	.....	4	.....	7	.....	7	5	.....
Mean	8	6	6	4	4	4	4	7	5	6	7	5
Max.	10	8	6	4	4	4	5	8	8	9	8	5
Min.	7	6	5	4	4	4	4	7	3	5	5	4
A. F.	488	377	349	246	222	246	260	450	278	381	417	288
Total Acre-feet	4,002											

LOGEPOLE CREEK NEAR BUSHNELL—Sec. 33-15-57 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	15	13	*	25	17	19	14	12	8	8	24
2	12	15	13	.....	25	16	18	15	11	8	17	21
3	12	15	13	.....	25	18	17	15	11	9	12	18
4	12	15	11	.....	25	18	17	19	11	9	12	17
5	13	15	12	.....	25	18	13	19	11	9	53	24
6	13	17	12	.....	20	16	15	18	11	9	17	23
7	13	16	9	.....	18	10	17	18	9	9	15	20
8	13	15	10	.....	16	6	17	20	9	9	14	18
9	14	16	11	.....	14	4	17	18	9	9	14	18
10	14	15	11	.....	12	8	16	19	9	8	13	20
11	13	14	13	.....	12	30	14	24	9	8	13	19
12	14	13	12	.....	12	35	16	25	9	8	12	18
13	13	14	12	.....	12	35	15	24	9	8	12	18
14	13	14	12	.....	12	33	15	22	9	8	12	18
15	13	12	12	*	12	26	16	21	9	8	11	17
16	14	13	12	26	16	25	16	23	9	8	10	17
17	14	13	12	*	16	24	15	20	9	8	11	17
18	14	14	12	.....	16	23	15	19	9	8	12	17
19	14	12	12	.....	16	23	14	17	9	8	12	17
20	14	12	12	.....	16	26	20	18	9	8	13	17
21	14	13	15	.....	20	22	35	15	9	8	13	17
22	14	13	15	.....	20	22	37	14	9	8	13	17
23	14	12	15	.....	20	20	31	23	9	8	13	16
24	14	11	15	.....	20	21	27	22	9	8	12	16
25	14	13	15	.....	20	22	25	20	9	8	13	17
26	15	12	20	.....	14	21	23	18	9	8	17	19
27	15	12	20	.....	16	20	21	16	9	8	460	20
28	15	14	20	.....	17	20	18	17	9	8	95	18
29	14	13	20	.....	20	16	16	16	9	8	63	18
30	15	13	20	.....	20	14	15	8	8	8	46	17
31	15	.....	20	*	.....	19	.....	12	.....	8	26	.....
Mean	14	14	14	27	18	21	19	19	9	8	34	18
Max.	15	17	20	26	25	35	37	25	12	9	460	24
Min.	12	11	9	26	12	4	13	12	8	8	8	16
A. F.	836	815	855	1660	978	1270	1130	1140	559	504	2110	1090
Total Acre-feet	12,900											

* Estimated.

LOGEPOLE CREEK—Sec. 31-15-56 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2	2	2	3	3	4	3	5	6	4	4	4
2	2	2	2	3	3	4	3	5	6	4	4	4
3	2	2	2	3	3	4	3	5	6	4	4	4
4	2	2	2	3	3	4	3	5	6	4	4	4
5	2	2	2	3	3	4	3	5	6	4	4	4
6	2	2	2	3	3	4	3	5	6	4	3	4
7	2	2	2	3	3	4	3	5	6	4	3	4
8	2	2	2	3	3	4	3	5	6	4	3	4
9	2	2	2	3	3	4	3	5	6	4	3	4
10	2	2	2	3	3	4	3	5	6	4	3	4
11	2	2	3	3	3	4	4	5	4	4	3	5
12	2	2	3	3	3	4	4	5	4	4	3	5
13	2	2	3	3	3	4	4	5	4	4	3	5
14	2	2	3	3	3	4	4	5	4	4	3	5
15	2	2	3	3	3	4	4	5	4	4	3	5
16	2	2	3	3	3	4	4	5	4	4	3	5
17	2	2	3	3	3	4	4	5	4	4	3	5
18	2	2	3	3	3	4	4	5	4	4	3	5
19	2	2	3	3	3	4	4	5	4	4	3	5
20	2	2	3	3	3	4	4	5	4	4	3	5
21	2	2	3	3	3	3	5	5	4	4	3	5
22	2	2	3	3	3	3	5	5	4	4	3	5
23	2	2	3	3	3	3	5	5	4	4	3	5
24	2	2	3	3	3	3	5	5	4	4	3	5
25	2	2	3	3	3	3	5	5	4	4	7	5
26	2	2	3	3	3	3	5	5	4	4	6	5
27	2	2	3	3	3	3	5	5	4	4	4	5
28	2	2	3	3	3	3	5	5	4	4	4	5
29	2	2	3	3	.....	3	5	5	4	4	4	5
30	2	2	3	3	.....	3	5	5	4	4	4	5
31	2	.....	3	3	.....	3	.....	5	4	4	4	.....
Mean	2	2	3	3	3	4	4	5	5	4	4	5
Max.	2	2	3	3	3	4	5	5	6	4	7	5
Min.	2	2	2	3	3	3	3	5	4	4	3	4
A. F.	123	119	184	184	167	224	238	307	286	246	218	278
Total Acre-feet	2,574											

LONERGAN CREEK—Sec. 19-15-39 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	6	9	12	8	8	8	9	2	2	2	6
2	5	6	9	12	8	8	8	9	1	1	2	6
3	5	6	9	12	8	8	8	11	1	1	2	6
4	5	6	9	12	8	8	8	13	2	1	2	6
5	5	6	9	12	8	8	8	14	2	2	2	6
6	5	6	8	10	7	8	8	16	2	3	2	6
7	5	6	8	10	7	8	8	10	4	2	2	6
8	5	6	8	10	7	8	8	10	6	1	2	6
9	5	6	8	10	7	8	8	12	4	1	2	6
10	5	6	8	10	7	8	8	12	3	1	2	6
11	5	8	8	10	8	8	8	11	4	1	2	6
12	5	8	8	10	8	8	7	10	5	1	2	6
13	5	8	8	10	8	8	7	9	4	1	3	6
14	5	8	8	10	9	8	7	9	3	1	3	6
15	5	8	8	10	9	8	7	8	4	1	3	6
16	5	9	10	10	9	8	7	8	5	1	4	6
17	5	9	10	10	9	8	7	7	3	2	4	6
18	5	9	10	10	9	8	7	8	1	3	4	6
19	5	9	10	10	9	8	7	7	1	3	4	6
20	5	9	10	10	9	8	10	9	1	2	4	6
21	5	9	10	8	9	8	9	7	2	2	5	7
22	5	9	10	8	9	8	8	7	2	3	5	7
23	5	9	10	8	9	8	8	7	2	3	5	7
24	5	9	10	8	9	8	8	7	2	3	6	7
25	5	9	10	8	9	8	8	8	2	3	8	7
26	5	9	10	8	8	8	8	8	1	3	10	7
27	5	9	10	8	8	8	8	8	1	3	12	7
28	5	9	10	8	8	8	8	6	1	4	10	7
29	5	9	10	8	.....	8	8	4	2	2	8	7
30	5	9	10	8	.....	8	8	3	2	1	7	7
31	5	.....	10	8	.....	8	.....	3	.....	2	6	.....
Mean	5	8	9	10	8	8	8	9	2	2	4	6
Max.	5	9	10	12	9	8	10	16	6	4	12	7
Min.	5	6	8	8	7	8	7	3	1	1	2	6
A. F.	307	466	565	591	458	492	466	536	149	119	268	377
Total Acre-feet	4,794											

LOST CREEK—Sec. 1-16-44 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	8	2	3	5	6	5	6	18	10	2	2	10
2	8	2	3	5	6	5	6	10	9	2	2	8
3	8	2	3	5	6	5	6	55	5	1	2	6
4	8	2	3	5	6	5	6	40	4	2	2	4
5	8	2	3	5	6	5	6	25	3	2	2	4
6	8	2	2	5	5	5	6	35	3	2	1	4
7	8	2	2	5	5	5	6	30	3	2	1	4
8	8	2	2	5	5	5	6	22	3	2	1	4
9	8	2	2	5	5	5	6	26	2	2	1	4
10	8	2	2	5	5	5	6	38	2	2	1	4
11	6	3	2	6	6	5	6	49	2	1	1	4
12	6	3	2	6	6	5	5	34	2	1	1	20
13	6	3	2	6	6	5	5	19	4	1	1	17
14	6	3	2	6	6	5	5	16	4	1	1	10
15	6	3	2	6	6	5	5	13	5	1	1	8
16	6	3	3	6	6	5	5	11	6	1	1	6
17	6	3	3	6	6	5	5	10	6	1	1	5
18	6	3	3	6	6	5	5	7	4	1	1	5
19	6	3	3	6	6	5	5	6	2	1	1	5
20	6	3	3	6	6	5	15	7	2	1	1	5
21	4	3	3	7	5	6	15	7	1	1	1	4
22	4	3	3	7	5	6	15	6	1	1	1	4
23	4	3	3	7	5	6	15	11	1	1	1	4
24	4	3	3	7	5	6	15	12	1	2	1	4
25	4	3	3	7	5	6	15	10	1	3	6	4
26	2	3	4	7	5	6	15	13	2	4	14	4
27	2	3	4	7	5	6	15	18	2	4	27	4
28	2	3	4	7	5	6	15	18	2	2	40	4
29	2	3	4	7	.....	6	15	15	2	1	34	4
30	2	3	4	7	.....	6	15	9	2	1	27	4
31	2	.....	4	7	.....	6	.....	7	.....	1	17	.....
Mean	6	3	3	6	6	5	9	20	3	2	6	6
Max.	8	3	4	7	6	6	15	55	10	4	40	20
Min.	2	2	2	5	5	5	5	6	1	1	1	4
A. F.	341	159	177	371	307	329	538	1200	190	99	385	351
Total Acre-feet	4,447											

NORTH LOUP RIVER NEAR ST. PAUL—Sec. 25-15-10 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	760	891	879	875	450	1300	1210	1530	742	1160	666	792
2	760	903	1030	875	450	1000	1120	1440	700	605	691	771
3	824	891	1060	875	450	1150	1060	1150	674	590	975	750
4	824	903	1030	875	450	1160	1030	1340	658	552	1240	725
5	813	903	1030	875	450	1120	1060	1440	620	540	1000	716
6	855	903	450	875	450	975	891	1440	598	540	903	666
7	903	939	450	875	450	915	879	2040	598	651	855	658
8	927	989	450	875	450	975	879	1480	725	3870	1530	636
9	1020	927	450	875	450	1060	855	1360	792	1320	1210	613
10	1030	750	450	875	450	963	527	1510	708	891	750	605
11	989	643	450	875	500	1030	915	1730	708	716	700	605
12	927	620	450	875	500	1120	903	1440	867	683	683	1150
13	903	813	450	965	500	1030	503	1440	700	867	674	834
14	879	879	450	900	500	1090	879	1440	683	782	666	813
15	824	651	450	900	500	1270	782	1320	643	782	683	792
16	792	576	650	900	500	1040	771	1180	620	844	700	2270
17	760	540	650	900	500	1240	771	1130	613	1340	700	903
18	771	489	650	900	500	1320	879	1090	584	1090	683	824
19	855	620	650	900	500	927	903	1120	559	844	683	813
20	903	683	650	900	500	834	1020	1070	547	760	782	792
21	802	792	650	800	1000	691	1150	1060	605	666	792	742
22	855	760	650	800	1000	733	1180	951	628	666	750	725
23	903	691	650	800	1000	733	1370	891	613	733	879	742
24	927	771	650	800	1000	867	1180	1000	628	771	855	733
25	1040	771	650	800	1000	939	1150	1030	636	771	844	725
26	1000	867	650	800	1840	939	1150	1120	708	733	834	725
27	903	771	650	800	1600	1020	1180	1040	691	700	855	716
28	927	771	650	800	1450	1060	1120	879	613	683	834	725
29	927	813	650	800	.....	1090	1240	879	613	666	834	742
30	927	867	650	800	.....	1830	1680	855	792	651	834	742
31	927	.....	650	800	.....	1120	.....	792	.....	651	824	.....
Mean	886	779	643	857	692	1050	1030	1230	662	875	836	802
Max.	1040	989	1060	965	1840	1830	1680	2040	867	3870	1530	2270
Min.	760	489	450	800	450	691	771	792	547	540	666	605
A. F.	54500	46400	39500	52700	38400	64600	61300	75600	39400	53800	51400	47700
Total Acre-feet	625,000											

MIDDLE LOUP RIVER AT ST. PAUL—Sec. 10-14-10 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1100	1080	980	1100	625	2740	1250	1650	840	825	825	998
2	1150	947	1110	1100	625	2470	1150	1590	780	689	3990	998
3	1100	930	1180	1100	625	2000	1320	1380	780	754	4430	998
4	1120	1030	1140	1100	625	1630	1240	1500	728	715	1710	1030
5	1180	998	1140	1100	625	1740	1200	1580	825	689	1180	964
6	1200	960	550	1100	625	1800	1140	1560	702	638	1150	870
7	1170	940	550	1100	625	1470	1090	3230	825	715	1130	840
8	1290	880	550	1100	625	1380	1030	2300	947	795	1490	815
9	1500	800	550	1100	625	1270	1000	1710	930	1690	1840	795
10	1220	740	550	1100	625	1450	1060	1770	840	1290	1560	780
11	1180	740	550	1100	700	1560	1040	1800	840	998	915	780
12	1150	860	550	1410	700	1580	1030	1590	998	1050	795	1450
13	1100	870	550	1250	700	1590	1020	1590	885	1360	754	1610
14	1180	850	550	1250	700	1690	1010	1560	900	3540	930	1670
15	1170	830	550	1250	700	1590	997	1500	840	4530	885	1430
16	1010	663	740	1250	700	1710	920	1400	780	1760	885	1200
17	960	620	740	1250	700	1720	950	1220	750	1130	810	1710
18	950	580	740	1250	700	1740	998	1200	710	947	795	1200
19	1030	710	740	1250	700	1760	1020	1180	680	885	800	1030
20	1050	740	440	1250	972	1780	1200	1170	640	880	930	947
21	1030	870	740	1000	1500	1800	2190	1150	754	850	900	855
22	1120	840	740	1000	1500	1760	2060	1050	754	840	1030	964
23	1080	760	740	1000	1500	1580	1820	998	795	855	1180	947
24	1180	850	740	1000	1500	1410	1270	1220	795	870	1070	998
25	1130	850	740	1000	1500	1520	1290	1290	728	870	1250	947
26	1180	980	740	1000	1500	1310	1490	1170	885	840	1270	998
27	1000	860	740	1000	1500	1290	1410	1340	885	825	998	1170
28	1100	860	740	1000	1500	1280	1400	1250	795	810	980	947
29	915	920	740	1000	.....	1260	1500	1240	754	800	964	825
30	1080	920	740	1000	.....	1250	1740	900	825	790	1130	885
31	981	.....	740	1000	.....	1320	.....	964	.....	780	1070	.....
Mean	1120	849	738	1110	912	1630	1260	1450	806	1130	1280	1060
Max.	1500	1080	1180	1410	1500	2740	2190	3230	998	4530	4430	1670
Min.	915	580	550	1000	625	1250	920	900	640	638	754	780
A. F.	68900	50600	45400	68200	50600	100000	75000	89200	48000	69500	78700	63100
Total Acre-feet	807,000											

MELBETA DRAIN—Sec. 24-21-54 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	8	5	4	3	2	3	3	2	1	4	5	7
2	8	5	4	3	2	3	3	2	1	4	5	7
3	8	5	4	3	2	3	3	2	1	6	5	6
4	8	5	4	3	2	3	3	2	1	6	6	6
5	8	5	4	3	2	2	3	2	1	8	5	5
6	11	5	2	3	2	2	3	2	1	8	7	5
7	10	5	2	3	2	3	3	2	1	6	9	5
8	8	5	2	3	2	3	3	2	1	6	8	6
9	8	5	2	3	2	3	3	2	1	6	7	7
10	8	5	2	3	2	3	3	2	1	6	6	7
11	6	5	2	3	2	3	3	2	1	4	4	7
12	6	5	2	3	2	3	3	2	1	4	3	7
13	6	5	2	3	2	3	3	2	1	4	4	7
14	6	5	2	3	2	3	3	2	1	4	3	7
15	6	5	2	3	2	3	3	2	1	4	2	8
16	6	5	3	2	3	3	3	2	2	3	4	9
17	6	5	3	2	3	3	3	2	1	3	6	10
18	6	5	3	2	3	3	3	2	1	3	4	11
19	6	5	3	2	3	3	3	2	1	2	3	12
20	6	5	3	2	3	3	3	2	2	2	2	12
21	6	4	3	2	3	3	3	2	2	3	1	11
22	6	4	3	2	3	3	3	2	1	3	1	10
23	6	4	3	2	3	3	3	2	1	3	1	10
24	6	4	3	2	3	3	3	2	1	3	2	10
25	6	4	3	2	3	3	3	2	2	3	3	10
26	6	4	3	2	2	3	3	2	2	4	6	9
27	6	4	3	2	2	3	3	2	1	4	9	9
28	6	4	3	2	2	3	3	2	1	4	8	8
29	6	4	3	2	.....	3	3	2	1	4	7	6
30	6	4	3	2	.....	3	3	2	2	4	7	5
31	6	.....	3	2	.....	3	.....	2	.....	4	7	.....
Mean	7	5	3	2	2	3	3	2	2	4	5	8
Max.	11	5	4	3	3	3	3	2	2	8	9	12
Min.	6	4	2	2	2	2	3	2	1	2	1	5
A. F.	419	278	175	153	131	180	179	123	89	262	298	474
Total Acre-feet	2,761											

MITCHELL SPILLWAY—Sec. 35-23-56 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	25	17	10	8	2	3	0	0	0	0	0
2	0	25	17	10	8	2	3	6	0	0	0	0
3	0	25	17	10	8	2	3	0	0	0	0	0
4	0	25	17	10	8	2	3	0	0	0	25	0
5	0	25	17	10	8	1	3	0	0	0	23	0
6	0	30	10	10	5	1	3	72	0	0	0	0
7	0	32	10	10	5	1	3	0	0	0	0	0
8	0	30	10	10	5	1	3	0	0	0	0	0
9	0	30	10	10	5	1	3	0	0	0	0	0
10	0	30	10	10	5	1	3	200	0	0	0	0
11	1	25	0	10	5	1	3	47	0	0	0	0
12	1	25	0	10	5	1	3	28	0	0	0	0
13	1	25	0	10	5	1	3	45	0	0	0	50
14	1	25	0	10	5	1	3	46	0	0	0	107
15	1	25	0	10	5	1	3	47	0	0	0	110
16	10	20	0	10	4	2	3	47	0	0	0	120
17	10	20	0	10	4	2	3	2	0	0	0	130
18	10	20	0	10	4	2	3	0	0	0	0	140
19	10	20	0	10	4	2	3	0	0	0	0	150
20	10	20	0	10	4	2	4	0	0	0	0	155
21	15	17	0	10	4	2	4	0	0	0	0	156
22	15	17	0	10	4	2	4	0	0	0	0	150
23	15	17	0	10	4	2	4	107	0	0	0	145
24	15	17	0	10	4	2	4	0	0	0	0	140
25	15	17	0	10	4	2	4	0	0	0	0	135
26	20	17	5	8	3	3	4	0	0	0	0	135
27	20	17	5	8	3	3	4	19	0	0	0	132
28	20	17	5	8	3	3	4	19	0	0	0	130
29	20	17	5	8	.....	3	4	15	0	0	0	130
30	20	17	5	8	.....	3	4	32	0	0	0	130
31	20	.....	5	8	.....	3	.....	22	.....	0	0	.....
Mean	8	22	5	10	5	2	3	24	0	0	1	8
Max.	20	32	17	10	8	3	4	200	0	0	25	156
Min.	0	17	0	8	3	1	3	0	0	0	0	0
A. F.	496	1330	327	591	276	113	200	1500	0	0	95	4650
Total Acre-feet	9,578											

NINE MILE DRAIN NEAR McGREW—Sec. 25-21-53 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	255	167	136	115	105	99	88	89	118	150	198	225
2	242	166	135	115	105	96	87	90	104	156	198	225
3	231	167	135	115	105	94	89	87	108	161	196	225
4	209	166	136	115	105	104	86	89	106	182	195	225
5	209	167	135	115	105	90	84	98	104	203	196	225
6	207	166	133	114	100	90	86	96	102	178	197	225
7	209	158	132	114	99	110	88	98	98	166	196	212
8	213	158	128	114	95	102	86	100	108	186	195	212
9	192	155	123	114	95	101	89	100	104	220	186	212
10	196	154	118	114	95	100	86	100	100	182	178	225
11	205	150	115	114	95	99	86	133	96	145	192	275
12	205	150	115	114	98	101	83	112	99	150	205	275
13	211	149	115	114	98	103	90	100	102	155	206	275
14	194	150	118	114	98	108	86	96	103	172	206	344
15	198	150	118	112	98	109	86	96	104	190	202	280
16	200	149	118	112	98	107	86	92	110	182	198	280
17	198	148	118	112	98	106	83	89	117	175	190	280
18	200	148	118	112	98	107	87	87	120	178	181	280
19	198	149	118	112	98	108	83	116	122	180	187	270
20	198	148	116	110	98	104	143	118	140	176	193	260
21	200	149	116	110	98	102	148	109	158	171	191	260
22	202	149	116	110	98	96	120	109	148	192	189	260
23	180	146	116	110	98	99	110	139	138	212	202	246
24	182	148	116	110	98	94	109	205	156	202	215	260
25	184	146	116	108	98	95	102	200	175	192	234	260
26	182	133	116	108	95	98	100	190	170	183	254	260
27	180	135	116	108	94	93	95	187	166	174	294	278
28	167	133	116	108	95	92	55	171	170	170	333	255
29	167	135	116	108	.....	90	91	128	175	165	322	255
30	166	132	116	108	.....	90	89	115	168	182	311	255
31	164	.....	116	108	.....	89	.....	123	.....	198	300	.....
Mean	198	151	121	112	99	99	95	118	126	178	217	254
Max.	255	167	136	115	105	110	148	205	175	220	333	344
Min.	164	132	115	108	94	89	83	87	96	145	178	212
A. F.	12200	8980	7440	6890	5480	6100	5640	7260	7500	10900	13300	15100
Total Acre-feet	107,000											

NIORARA RIVER AT DUNLAP—Sec. 27-29-48 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3	38	50	*	*	75	79	71	73	16	15	62
2	5	43	51	.....	.....	76	76	69	71	16	26	68
3	5	44	52	.....	*	77	74	71	63	16	27	86
4	3	42	51	.....	72	79	73	71	50	13	26	72
5	3	40	51	.....	*	85	71	72	46	12	26	69
6	3	42	53	.....	.....	82	69	71	40	12	24	70
7	4	42	54	.....	.....	71	70	71	38	11	25	68
8	3	49	53	.....	.....	73	70	80	37	10	46	68
9	6	39	55	.....	.....	74	76	84	32	10	80	65
10	6	42	50	.....	.....	74	76	84	29	9	75	68
11	3	69	45	.....	.....	75	75	92	30	12	60	70
12	4	45	45	.....	*	72	74	95	30	14	51	72
13	5	43	45	77	.....	79	76	90	25	14	38	82
14	5	52	45	*	.....	105	76	93	19	14	39	78
15	4	47	45	.....	.....	112	75	92	16	13	39	74
16	6	49	50	.....	.....	110	73	92	53	9	39	70
17	9	51	50	.....	.....	114	71	85	63	9	40	73
18	10	52	50	.....	.....	114	69	77	61	9	44	72
19	18	52	50	.....	.....	114	96	74	60	6	43	66
20	51	50	50	.....	.....	107	104	76	300	5	40	64
21	38	50	55	.....	.....	95	121	79	28	6	43	63
22	52	50	55	.....	.....	99	119	87	22	6	44	63
23	39	48	55	.....	.....	94	118	90	16	6	48	59
24	38	48	55	.....	.....	92	116	93	16	6	48	57
25	38	42	55	.....	.....	92	114	89	16	9	48	56
26	37	42	60	.....	.....	94	104	80	16	10	400	54
27	37	51	60	.....	*	93	87	72	16	10	150	54
28	37	50	60	.....	76	87	80	80	16	13	65	52
29	40	51	60	.....	*	85	79	81	16	13	63	50
30	33	50	60	.....	.....	80	79	81	16	13	56	48
31	33	.....	60	.....	*	80	.....	87	.....	14	59	.....
Mean	19	47	53	†77	†65	89	85	82	44	11	59	66
Max.	52	69	60	77	76	114	121	95	300	16	400	86
Min.	3	38	45	77	72	71	69	69	16	5	15	48
A. F.	1140	2800	3230	†4730	†3610	5470	5040	5020	2610	664	3620	3920
Total Acre-feet	41,900											

* No record.
† Estimated.

NIOBRARA RIVER NEAR SPENCER—Sec. 30-33-11 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	903	1100	1340	1120	1070	3060	1350	1860	981	604	609	1130
2	830	1110	1250	1110	1090	2840	1300	1560	903	638	1290	986
3	1010	1050	1290	1160	1100	2610	1360	1480	897	598	1080	968
4	1100	1070	1210	1190	1050	2380	1340	1620	959	594	897	944
5	1120	1110	1190	1220	996	1900	1280	1730	983	559	757	837
6	1120	1070	952	1440	900	1560	1260	1620	891	643	699	765
7	1020	1090	340	1410	776	2000	1210	1830	965	1150	722	789
8	1040	1040	218	1400	595	1850	1160	1930	1280	841	748	769
9	1010	833	162	1350	479	1550	1150	1770	1370	820	777	762
10	1180	521	139	1430	377	981	1210	1830	1120	800	661	802
11	1290	642	134	1280	382	1520	1210	1880	960	3320	702	964
12	1180	747	165	1270	430	1980	1160	1980	977	1010	713	1080
13	1070	1120	171	1300	510	1920	1210	2080	842	905	639	1090
14	1080	1420	187	1260	619	1880	1140	1910	853	1380	647	1000
15	1060	610	247	1260	690	1900	1160	1850	782	1480	710	1100
16	1060	579	320	1210	777	1890	1100	1670	697	1060	796	1150
17	1020	695	327	1120	843	1870	1070	1480	655	1080	726	953
18	1080	931	388	1100	998	1850	1050	1400	619	945	785	879
19	1150	1050	429	1020	1320	1340	1010	1310	579	679	660	808
20	1100	1420	688	1000	1560	1610	1040	1210	528	719	728	846
21	1080	1760	1080	1070	1170	1680	1270	1230	698	726	792	828
22	1160	1640	1180	1210	1400	1730	1400	1130	645	782	1760	809
23	1220	1550	1140	1300	1550	1600	1740	1510	661	872	1880	816
24	1310	1370	1220	1360	1660	1600	1840	1340	676	720	1810	909
25	1290	1230	1230	1350	1670	1660	1670	1380	931	679	1160	865
26	1190	1040	1200	1220	1920	1500	1470	1220	885	622	912	932
27	1130	1100	1160	1280	2650	1460	1460	1420	700	650	1130	988
28	1160	1320	1160	1200	2630	1410	1290	1430	620	622	4240	973
29	1040	1390	1160	1170	.....	1340	1070	1610	619	559	2340	887
30	1030	1470	1120	1160	.....	1450	1780	1190	622	517	1580	847
31	1130	.....	1110	1140	.....	1500	.....	1100	.....	566	1250	.....
Mean	1100	1100	771	1230	1110	1790	1290	1570	830	875	1100	916
Max.	1310	1760	1340	1440	2650	3060	1840	2080	1370	3320	4240	1150
Min.	830	521	134	1000	377	981	1010	1100	528	517	639	808
A. F.	67600	65500	47400	75600	61600	110000	76800	96500	49400	53800	67600	54500
Total Acre-feet	826,000											

OTTER CREEK NEAR LEMOYNE—Sec. 9-15-40 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	27	28	24	29	28	45	24	26	20	9	23	26
2	26	28	24	29	28	42	24	26	17	10	22	26
3	26	28	24	29	28	36	25	26	17	9	21	26
4	28	28	24	29	28	32	23	27	16	14	22	26
5	30	28	24	29	28	25	24	28	16	18	22	26
6	30	28	24	29	15	20	24	28	19	22	22	25
7	30	27	26	29	15	19	24	28	20	22	22	25
8	30	26	16	29	15	30	26	29	20	23	22	25
9	31	25	15	29	15	40	24	32	19	24	22	25
10	31	25	15	29	15	36	25	31	18	24	22	25
11	31	23	15	30	20	30	26	36	20	24	22	24
12	32	24	15	30	20	28	26	33	21	24	22	24
13	29	26	20	30	20	27	26	32	21	24	23	24
14	25	26	20	30	24	27	26	30	24	24	22	24
15	30	26	20	30	30	28	26	30	23	23	22	28
16	29	25	24	30	30	26	25	28	22	22	22	28
17	28	26	24	30	30	25	25	27	22	20	22	28
18	27	26	24	30	30	25	25	25	23	19	20	28
19	27	26	24	30	30	25	25	26	22	18	18	28
20	28	26	24	30	30	26	26	24	22	18	20	28
21	28	26	26	31	35	26	28	24	13	20	21	28
22	29	24	26	31	35	28	30	23	5	21	22	33
23	30	25	26	31	35	28	30	23	6	21	22	30
24	30	25	26	31	35	27	30	23	7	21	21	30
25	30	24	26	31	35	27	30	23	7	22	20	30
26	29	24	28	31	40	26	29	18	7	22	22	28
27	29	24	28	31	40	26	29	20	8	22	24	28
28	28	24	28	30	40	26	28	23	8	22	25	28
29	28	24	28	30	.....	26	28	23	8	22	26	28
30	28	24	.....	30	.....	24	29	22	8	22	27	28
31	28	.....	.....	30	.....	25	.....	20	.....	22	28	.....
Mean	29	26	23	30	28	28	26	26	16	20	22	27
Max.	32	28	28	31	40	45	30	36	24	24	28	33
Min.	25	23	15	29	15	19	23	18	5	9	18	24
A. F.	1770	1520	1440	1840	1530	1750	1560	1620	952	1250	1370	1610
Total Acre-feet	18,200											

PAWNEE CREEK--Sec. 4-12-27 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	6	4	6	5	8	6	15	7	4	1	6
2	5	6	4	6	5	8	6	15	7	4	1	6
3	5	6	4	6	5	8	6	35	7	1	1	6
4	5	6	4	6	5	8	6	30	7	1	1	6
5	5	6	4	6	5	8	6	29	7	1	1	6
6	5	5	4	6	4	8	4	28	6	1	1	6
7	5	5	4	6	4	10	4	27	6	1	1	6
8	5	5	4	6	4	10	4	26	6	1	1	6
9	5	5	4	6	4	10	4	25	6	1	1	6
10	5	5	4	6	4	10	4	30	6	1	1	6
11	5	5	4	5	4	12	4	28	5	1	11	12
12	5	5	4	5	5	12	4	27	5	1	10	10
13	5	5	4	5	5	12	4	20	5	1	10	8
14	5	5	4	5	5	12	4	18	5	1	10	8
15	5	5	4	5	5	12	4	16	5	1	10	8
16	5	5	4	5	6	13	4	14	4	1	9	8
17	5	5	4	5	6	12	4	12	4	1	9	7
18	5	5	4	5	6	12	4	10	4	1	9	7
19	5	5	4	5	6	12	4	8	4	1	9	7
20	5	5	4	5	6	12	30	8	4	1	9	7
21	6	4	5	5	6	10	30	8	4	1	8	7
22	6	4	5	5	6	10	25	8	4	1	8	7
23	6	4	5	5	6	10	20	8	4	1	8	7
24	6	4	5	5	6	10	20	8	4	1	8	7
25	6	4	5	5	6	10	20	8	4	1	8	7
26	6	4	5	5	8	8	20	7	4	1	7	7
27	6	4	5	5	8	8	20	7	4	1	7	7
28	6	4	5	5	8	8	20	7	4	1	7	7
29	6	4	5	5	.....	8	20	7	4	1	7	7
30	6	4	5	5	.....	8	20	7	4	1	7	7
31	6	.....	5	5	.....	8	.....	7	.....	1	7	.....
Mean	5	5	4	5	5	10	11	16	5	1	6	7
Max.	6	5	5	6	8	12	30	35	7	4	11	12
Min.	5	4	4	5	4	8	4	7	4	1	1	6
A. F.	329	288	268	327	303	609	657	998	298	73	373	407
Total Acre-feet	4,930											

PLUM CREEK--Sec. 10-19-49 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	4	4	5	5	4	3	4	5	4	3	4
2	5	4	4	5	5	4	3	4	5	4	3	4
3	5	4	4	5	5	4	3	4	5	4	3	4
4	5	4	4	5	5	4	3	5	5	4	3	4
5	5	4	4	5	5	4	3	5	5	4	3	4
6	5	4	3	5	5	4	3	5	5	4	3	4
7	5	4	3	5	5	4	3	5	5	4	3	4
8	5	4	3	5	5	4	3	5	5	4	3	4
9	5	4	3	5	5	4	3	5	5	4	3	4
10	5	4	3	5	5	4	3	5	5	4	3	4
11	5	4	3	6	8	4	3	5	5	4	3	4
12	5	4	3	6	7	4	3	5	5	4	3	4
13	5	4	3	6	7	4	3	5	5	4	3	4
14	5	4	3	6	7	4	3	5	5	4	3	4
15	5	4	3	6	7	4	3	5	5	4	3	4
16	4	4	4	5	6	4	3	5	4	4	3	4
17	4	4	4	5	6	4	3	5	4	4	3	4
18	4	4	4	5	6	4	3	5	4	4	3	4
19	4	4	4	5	6	4	3	5	4	4	3	4
20	4	4	4	5	6	4	3	5	4	4	3	4
21	4	4	4	5	5	4	4	5	4	4	3	4
22	4	4	4	5	5	4	3	5	4	3	3	4
23	4	4	4	5	5	4	3	5	4	3	3	4
24	4	4	4	5	5	4	3	5	4	3	3	4
25	4	4	4	5	5	4	3	5	4	3	4	4
26	4	4	4	5	5	3	3	5	4	3	4	4
27	4	4	4	5	5	3	3	5	4	3	4	4
28	4	4	4	5	5	3	3	5	4	3	4	4
29	4	4	4	5	5	.....	3	5	4	3	4	4
30	4	4	4	5	5	.....	3	5	4	3	4	4
31	4	.....	5	5	.....	3	.....	5	.....	3	4	.....
Mean	4	4	4	5	6	4	3	5	4	4	3	4
Max.	5	4	4	5	8	4	5	5	4	4	4	4
Min.	4	4	3	5	5	3	3	4	4	3	3	4
A. F.	276	238	238	317	309	234	184	301	268	224	198	238
Total Acre-feet	3,025											

PUMPKIN CREEK NEAR BRIDGEPORT—Sec. 12-19-50 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	13	25	25	42	40	40	43	46	30	16	8	40
2	13	25	24	42	40	40	40	48	28	16	6	40
3	13	25	24	42	40	40	40	52	28	15	16	40
4	13	25	24	42	40	40	40	32	22	20	26	40
5	13	25	24	42	40	40	40	38	19	24	25	40
6	13	26	24	42	35	40	43	32	18	20	24	40
7	13	27	20	42	35	52	43	34	15	15	16	40
8	13	27	20	42	35	52	26	44	12	18	8	40
9	19	27	20	42	35	52	26	48	12	21	8	40
10	19	27	20	42	35	52	26	54	12	9	8	40
11	19	27	20	42	44	42	27	52	14	10	8	40
12	19	27	20	45	42	42	26	54	16	8	8	38
13	19	34	20	45	42	42	27	52	15	7	8	38
14	19	34	30	47	42	42	27	48	18	7	8	38
15	19	34	30	45	42	42	27	48	20	7	8	38
16	19	34	30	45	42	42	32	42	20	14	8	38
17	19	34	30	45	42	42	34	42	21	20	9	38
18	19	35	30	40	42	52	30	40	25	19	10	38
19	19	35	40	40	42	52	20	38	29	19	10	37
20	23	36	40	40	42	52	23	36	22	20	11	37
21	23	36	40	40	41	52	25	35	16	20	25	37
22	23	32	40	40	41	52	28	36	14	16	39	37
23	23	32	40	36	41	52	30	42	12	12	22	38
24	23	28	40	36	41	42	32	39	12	19	6	38
25	27	28	40	36	41	42	42	37	11	26	14	38
26	27	28	40	36	41	42	38	19	12	26	21	42
27	27	27	40	36	41	42	48	42	12	26	30	42
28	27	25	40	36	41	42	35	52	14	23	76	42
29	27	25	40	36	.....	42	30	46	17	20	65	45
30	25	25	40	36	.....	43	38	42	16	16	52	45
31	25	.....	40	36	.....	43	.....	36	.....	11	50	.....
Mean	20	29	31	41	40	45	33	42	18	17	20	40
Max.	27	36	40	47	44	52	48	54	30	26	76	37
Min.	13	25	20	36	35	40	20	19	11	7	6	45
A. F.	1220	1740	1890	2500	2230	2760	1960	2590	1050	1030	1250	2350
Total Acre-feet	22,600											

RED WILLOW CREEK NEAR BAYARD—Sec. 7-20-51 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	152	116	92	82	72	63	61	59	61	67	94	250
2	152	116	92	82	72	61	59	56	61	67	108	250
3	138	116	92	82	72	63	59	59	63	67	107	250
4	130	110	92	82	72	60	58	68	71	76	106	200
5	145	116	87	82	72	60	57	67	54	86	110	200
6	160	110	87	81	70	60	59	65	46	80	107	200
7	130	103	92	81	70	70	59	62	39	75	105	188
8	130	103	90	81	70	67	58	60	38	85	103	175
9	123	110	87	81	70	63	56	62	37	77	104	175
10	130	103	82	81	70	67	56	63	36	75	106	175
11	130	103	80	80	70	63	56	65	36	73	96	155
12	130	103	80	80	70	66	55	66	34	72	87	155
13	130	103	87	80	70	67	55	64	33	72	86	155
14	130	103	87	80	70	67	55	59	38	82	85	140
15	123	103	86	80	70	65	55	59	44	92	82	150
16	130	103	85	78	68	65	55	59	39	89	78	150
17	130	103	85	78	68	65	54	59	34	86	82	150
18	130	103	85	78	68	63	54	59	43	83	85	150
19	130	103	85	78	68	60	54	55	52	80	118	158
20	130	98	85	78	68	63	99	63	58	79	151	160
21	123	98	84	75	67	63	93	134	63	78	120	160
22	130	98	84	75	66	63	74	162	64	75	89	160
23	123	98	84	75	66	63	67	176	64	71	92	160
24	130	95	84	75	64	64	63	270	56	72	96	160
25	138	92	84	75	64	64	63	323	65	73	260	200
26	127	92	83	75	63	64	61	294	65	76	575	200
27	116	98	83	75	62	63	59	266	65	79	400	200
28	116	92	83	75	63	64	57	264	66	78	352	200
29	116	92	83	75	.....	64	57	220	66	78	344	200
30	116	92	83	75	.....	62	58	110	66	80	337	200
31	116	.....	83	75	.....	62	.....	89	.....	81	325	.....
Mean	130	102	86	78	68	64	61	114	52	78	161	181
Max.	160	116	92	82	72	70	99	323	71	92	575	250
Min.	116	92	80	75	62	60	54	55	33	67	78	140
A. F.	7990	6070	5270	4820	3800	3920	3620	7010	3090	4770	9900	10800
Total Acre-feet	71,100											

REPUBLICAN RIVER COLORADO-NEBRASKA LINE—Sec. 9-1-42 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	50	49	87	*	75	70	67	67	16	7	7	48
2	55	50	88	.....	75	67	69	70	14	8	7	46
3	52	55	88	.....	75	62	66	74	16	8	7	58
4	38	52	85	.....	75	67	64	111	16	8	7	60
5	39	52	78	.....	75	70	62	108	12	8	7	52
6	41	52	85	.....	50	40	56	104	8	8	7	50
7	46	52	88	.....	50	50	49	94	10	8	7	48
8	50	52	85	.....	50	60	45	80	12	9	110	42
9	46	52	85	.....	50	80	46	75	9	192	15	39
10	41	64	85	.....	50	80	48	80	8	139	12	43
11	39	70	75	.....	60	77	45	83	8	69	10	46
12	38	67	75	.....	60	77	36	83	9	48	10	78
13	35	70	75	.....	60	72	22	77	11	42	10	78
14	34	74	75	.....	60	70	24	77	11	38	10	74
15	36	80	75	.....	60	67	27	69	8	27	10	58
16	36	87	80	.....	65	62	21	64	7	27	13	70
17	38	87	80	.....	65	62	16	61	7	29	10	62
18	33	90	80	.....	65	60	14	61	6	27	10	52
19	30	87	80	*	65	62	12	61	6	23	10	49
20	33	87	80	76	65	60	22	58	7	24	10	48
21	35	87	78	*	70	62	38	58	8	19	10	54
22	35	83	78	.....	74	66	83	55	7	15	152	61
23	43	80	78	.....	75	62	83	55	7	12	75	62
24	62	82	78	.....	75	62	66	74	7	10	69	58
25	61	83	78	.....	75	60	46	56	7	9	54	55
26	52	83	78	.....	76	64	41	38	7	8	50	55
27	49	83	78	.....	77	64	34	29	7	7	82	54
28	46	87	78	.....	75	70	43	38	7	7	77	49
29	46	83	78	.....	.....	67	61	33	7	7	77	42
30	46	83	78	.....	.....	64	69	28	7	7	74	35
31	48	.....	78	*	.....	61	.....	23	.....	7	64	.....
Mean	43	72	80	76	66	65	46	66	9	28	35	54
Max.	62	90	88	76	77	80	83	111	16	192	152	78
Min.	30	49	75	76	50	40	12	23	6	7	7	35
A. F.	2640	4290	4930	4670	3670	4000	2730	4050	541	17000	2130	3230
Total Acre-feet	38,600											

* No record.

REPUBLICAN RIVER (SOUTH BRANCH) AT BENKELMAN—Sec. 19-1-37 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	36	57	90	91	91	62	29	48	6	20	400
2	12	36	57	90	91	91	62	29	48	6	20	100
3	12	36	57	90	91	91	62	29	48	6	20	400
4	12	36	57	90	91	91	62	29	48	6	20	300
5	12	36	57	90	91	91	62	29	48	6	20	200
6	12	36	57	90	91	91	62	29	20	9	20	200
7	12	36	57	90	91	91	62	29	20	9	20	200
8	12	36	57	90	91	91	62	29	20	9	20	200
9	12	36	57	90	91	91	62	29	20	9	20	200
10	12	36	57	90	91	91	62	29	20	9	20	200
11	12	36	57	90	91	62	29	48	10	9	38	200
12	12	36	57	90	91	62	29	48	10	9	38	500
13	12	36	57	90	91	62	29	48	10	9	38	585
14	12	36	57	90	91	62	29	48	10	9	38	500
15	12	36	57	90	91	62	29	48	10	9	38	200
16	24	36	57	90	91	62	29	48	10	9	38	100
17	24	36	57	90	91	62	29	48	10	9	38	50
18	24	36	57	90	91	62	29	48	10	9	38	50
19	24	36	57	90	91	62	29	48	10	9	38	50
20	24	36	57	90	91	62	29	48	10	9	38	50
21	24	36	57	90	91	62	29	48	6	9	38	50
22	24	36	57	90	91	62	29	48	6	9	500	50
23	24	36	57	90	91	62	29	48	6	9	800	50
24	24	36	57	90	91	62	29	48	6	9	800	50
25	24	36	57	90	91	62	29	48	6	9	100	50
26	24	57	57	90	91	62	29	48	6	20	400	50
27	24	57	57	90	91	62	29	48	6	20	400	50
28	24	57	57	90	91	62	29	48	6	20	800	50
29	24	57	57	90	.....	62	29	48	6	20	800	50
30	24	57	57	90	.....	62	29	48	6	20	500	50
31	24	.....	57	90	.....	62	.....	48	.....	20	400	.....
Mean	18	39	57	90	91	71	40	42	17	11	198	171
Max.	24	57	57	90	91	91	62	48	48	20	800	585
Min.	12	36	57	90	91	62	29	29	6	6	20	50
A. F.	1120	2350	3505	5534	5054	4388	2380	2575	992	655	12135	10185
Total Acre-feet	50,875											

REPUBLICAN RIVER AT MAX—Sec. 32-2-36 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	56	151	176	*	145	222	113	166	104	0	0	1040
2	56	146	176	.....	145	216	128	211	100	0	684	804
3	56	142	176	.....	145	244	123	216	91	0	238	1040
4	56	137	176	.....	145	233	113	255	82	0	128	991
5	65	151	176	.....	145	142	109	412	38	0	70	756
6	61	161	176	.....	100	118	95	383	43	0	38	602
7	59	161	170	.....	100	161	113	327	35	0	35	514
8	74	151	170	.....	100	228	109	206	30	0	37	440
9	78	137	170	.....	100	300	104	206	27	900	61	412
10	109	137	170	.....	100	273	95	222	24	412	59	392
11	123	146	135	.....	120	264	95	211	31	238	50	440
12	113	146	135	.....	120	264	109	228	24	156	65	1940
13	113	151	135	.....	120	255	113	233	24	104	74	1330
14	113	161	135	.....	120	195	113	233	20	54	40	1040
15	118	161	135	.....	120	176	100	222	18	43	34	991
16	118	150	150	.....	150	216	91	211	16	70	30	1690
17	109	150	150	.....	150	211	78	166	14	74	30	852
18	104	150	150	.....	150	200	78	171	10	65	37	672
19	123	150	150	*	150	211	70	166	3	54	23	524
20	118	150	150	140	150	233	100	146	8	37	22	412
21	128	160	145	.....	185	228	123	142	7	34	43	327
22	142	160	145	*	185	200	200	161	5	30	1930	309
23	151	160	145	.....	185	244	238	166	4	31	1940	273
24	156	160	145	.....	185	244	228	166	2	30	1840	238
25	161	160	145	.....	185	206	176	176	1	45	300	233
26	161	180	145	.....	200	161	151	171	1	34	1100	195
27	151	176	145	.....	210	166	142	151	0	21	732	195
28	151	176	145	.....	206	161	146	137	0	14	2300	195
29	151	171	145	.....	.....	151	137	109	0	7	5120	185
30	151	176	145	.....	.....	156	142	100	0	0	2620	190
31	146	.....	145	*	.....	146	.....	100	.....	0	1610	.....
Mean	112	156	153	140	147	207	124	199	25	79	687	641
Max.	161	180	176	140	210	300	238	412	104	900	5120	1940
Min.	56	137	135	140	100	118	70	100	0	0	0	185
A. F.	6890	9280	9410	8610	8160	12700	7380	12200	1510	4860	42200	38100
Total Acre-feet		161,000										

* No record.

REPUBLICAN RIVER AT CULBERTSON—Sec. 20-3-31 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	62	94	143	*	*	150	143	190	80	0	0	684
2	58	99	143	.....	.....	150	134	190	65	0	75	621
3	52	94	146	.....	.....	150	138	248	54	0	445	318
4	52	94	150	.....	.....	150	118	376	52	0	138	505
5	52	102	146	.....	.....	150	125	548	41	0	65	563
6	56	117	136	.....	.....	75	134	520	36	0	38	220
7	56	129	150	.....	.....	62	130	520	34	0	29	161
8	52	129	150	.....	.....	175	125	366	31	0	130	134
9	56	129	150	.....	.....	320	118	356	25	18	46	118
10	58	129	150	.....	.....	205	110	347	17	481	24	103
11	69	126	135	.....	.....	210	92	318	11	210	29	1180
12	73	136	135	.....	.....	234	78	309	18	152	27	3530
13	76	126	135	.....	.....	234	78	328	25	99	35	2210
14	73	132	135	.....	.....	210	83	300	19	60	54	877
15	69	132	135	.....	.....	205	85	241	10	38	26	1670
16	76	110	170	.....	.....	195	88	195	8	28	26	1920
17	78	120	170	.....	.....	190	78	190	8	25	18	1010
18	69	120	170	*	.....	175	80	190	8	27	25	592
19	69	125	170	165	.....	190	67	170	8	23	17	520
20	69	130	170	*	.....	200	99	152	481	23	175	309
21	71	136	165	.....	*	195	152	152	166	16	20	283
22	78	136	165	.....	170	195	195	138	78	14	60	241
23	94	136	165	.....	*	205	220	138	48	15	3840	215
24	96	150	165	.....	.....	220	255	121	38	14	1700	200
25	89	150	165	.....	.....	227	220	125	32	14	1030	190
26	94	143	165	.....	.....	200	195	156	0	14	1310	185
27	89	143	165	.....	.....	185	166	148	0	13	752	148
28	89	143	165	.....	.....	170	190	118	0	11	15000	156
29	89	143	165	.....	.....	156	195	99	0	0	9710	166
30	73	150	165	.....	.....	134	190	88	0	0	4640	138
31	94	.....	165	*	*	138	.....	88	.....	0	1180	.....
Mean	72	127	155	†185	†175	182	136	240	46	42	1310	639
Max.	96	150	170	165	170	320	255	548	481	481	15000	3530
Min.	52	94	136	165	170	62	67	88	0	0	0	103
A. F.	4430	7560	9530	11400	9720	11200	8090	14800	2760	2570	80600	38000
Total Acre-feet		201,000										

* No record.

† Estimated.

REPUBLICAN RIVER NEAR BLOOMINGTON—Sec. 8-1-15 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	41	150	†350	*	452	774	486	814	376	60	16	2910
2	41	150	.....	.....	354	696	469	835	360	51	14	2230
3	42	152	.....	.....	365	650	452	835	313	42	15	1830
4	49	155	.....	.....	376	612	430	863	275	31	17	1780
5	49	158	.....	.....	330	605	403	933	249	27	23	1520
6	52	158	.....	.....	200	546	360	1050	213	22	24	1490
7	62	158	.....	.....	200	516	392	3180	201	23	241	1290
8	62	161	.....	.....	200	516	376	4000	184	22	174	1120
9	58	168	.....	.....	200	452	370	2950	177	19	280	968
10	62	164	.....	.....	139	425	354	1920	161	17	123	877
11	68	164	.....	.....	220	408	339	1920	158	66	108	761
12	68	168	.....	.....	220	452	334	2050	141	77	249	2310
13	75	150	.....	.....	220	566	318	1560	138	676	194	4700
14	82	150	.....	.....	220	510	308	1280	128	323	111	4460
15	94	130	.....	.....	220	480	294	1150	128	198	70	4350
16	90	110	.....	.....	350	486	328	1040	125	111	60	1930
17	86	118	.....	.....	350	486	289	982	120	220	57	1380
18	86	108	.....	.....	350	474	280	877	111	504	45	1230
19	90	120	.....	.....	350	464	289	828	104	205	42	1640
20	94	130	.....	.....	350	492	447	742	88	702	55	1250
21	94	150	.....	*	550	480	7290	664	323	257	52	1140
22	100	150	.....	418	550	498	7670	1120	1080	108	184	1010
23	100	150	.....	*	550	528	2860	735	386	82	201	961
24	104	150	.....	.....	550	528	1820	598	436	65	1360	787
25	113	150	.....	.....	550	534	1340	774	280	84	1750	650
26	128	145	.....	.....	700	522	1200	664	177	90	1990	579
27	136	145	.....	.....	700	546	1070	546	111	63	1730	540
28	141	145	.....	.....	700	566	996	480	96	36	3860	534
29	136	145	.....	.....	.....	566	554	425	81	25	2860	486
30	138	145	.....	.....	.....	540	1160	403	77	15	4560	469
31	144	.....	.....	*	.....	534	.....	403	.....	21	4560	.....
Mean	87	147	†350	†425	376	531	1120	1180	227	137	807	1570
Max.	144	168	.....	.....	700	774	7670	4000	1080	702	4560	4700
Min.	41	108	.....	.....	139	408	280	403	77	15	14	469
A. F.	5320	8750	21500	26100	20900	32600	66600	72600	13500	8420	49600	93400

Total Acre-feet 419,000

* No record.

† Estimated

REPUBLICAN RIVER NEAR HARDY—Sec. 6-1-5 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	64	155	*	*	350	850	556	970	495	124	76	5220
2	53	163	.....	.....	350	850	510	1180	455	102	47	3650
3	53	167	.....	.....	350	900	530	1070	440	95	47	2800
4	56	167	.....	.....	350	940	490	841	377	70	42	2330
5	53	183	.....	.....	350	796	470	832	344	67	95	2070
6	42	167	.....	.....	150	720	450	859	297	56	1040	1800
7	37	175	.....	.....	150	624	455	1010	279	50	736	1650
8	30	188	.....	.....	150	604	455	2610	252	56	550	1380
9	33	188	.....	.....	150	562	432	4220	221	151	540	1220
10	47	175	.....	.....	150	550	470	3530	204	155	510	1030
11	20	150	.....	.....	100	530	441	3070	188	53	480	868
12	30	150	.....	.....	350	470	441	2540	167	39	430	823
13	37	150	.....	.....	350	465	423	2240	171	252	377	1290
14	33	150	.....	.....	350	505	428	1850	163	358	325	4160
15	47	150	.....	.....	350	556	418	1450	139	505	274	5100
16	59	70	.....	.....	350	510	396	1280	128	435	230	3840
17	89	70	.....	.....	350	490	441	1140	124	302	183	2390
18	47	70	.....	.....	350	510	428	1050	109	279	151	1660
19	45	70	.....	.....	350	490	432	950	95	688	143	1400
20	47	70	.....	.....	350	535	460	823	105	645	139	1480
21	61	160	.....	*	700	592	1580	769	116	387	135	1380
22	135	160	.....	547	700	550	6060	1170	86	617	363	1120
23	226	160	.....	*	700	568	5170	778	192	440	460	980
24	131	160	.....	.....	700	617	3390	1050	752	325	363	850
25	109	160	.....	.....	700	598	2180	950	455	235	311	744
26	109	155	.....	.....	700	562	1530	650	455	171	931	610
27	113	155	.....	.....	700	610	1210	700	377	151	2570	568
28	128	155	.....	.....	700	562	1050	650	274	163	2970	530
29	131	155	.....	.....	.....	568	1000	575	209	147	4480	505
30	147	155	.....	.....	.....	610	1040	540	221	116	3990	485
31	139	.....	.....	*	.....	592	.....	530	.....	70	4900	.....
Mean	76	147	†300	†425	405	609	1110	1350	263	236	900	1800
Max.	226	188	.....	.....	700	940	6060	4220	752	688	4900	5220
Min.	20	70	.....	.....	100	465	396	530	86	39	42	485
A. F.	4660	8750	†18400	†26100	22500	37400	66000	83000	15600	14500	55300	107000

Total Acre-feet 459,000

* No record.

† Estimated.

ROCK CREEK NEAR PARKS--Sec. 21-1-39 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14	14	22	20	18	25	20	25	16	12	15	15
2	14	14	22	20	18	25	20	25	16	12	15	15
3	14	14	22	20	18	25	20	25	16	12	15	15
4	14	14	22	20	18	25	20	25	16	12	15	15
5	14	14	22	20	18	25	20	25	16	12	15	15
6	14	14	22	20	18	25	20	25	16	12	15	15
7	14	14	22	20	18	25	20	25	16	12	15	15
8	14	14	22	20	18	25	20	25	16	12	15	15
9	14	14	22	20	18	25	20	25	16	12	15	15
10	14	14	22	20	18	25	20	25	16	12	15	15
11	14	14	20	20	20	22	20	20	14	13	14	16
12	14	14	20	20	20	22	20	20	14	13	14	16
13	14	14	20	20	20	22	20	20	14	13	14	16
14	14	14	20	20	20	22	20	20	14	13	14	16
15	14	14	20	20	20	22	20	20	14	13	14	16
16	14	14	20	18	20	22	19	20	14	13	14	16
17	14	14	20	18	20	22	19	20	14	13	14	16
18	14	14	20	18	20	22	19	20	14	13	14	16
19	14	14	20	18	20	22	19	20	14	13	14	16
20	14	14	20	18	20	22	19	20	14	13	14	16
21	14	14	20	18	25	21	19	16	11	15	14	16
22	14	14	20	18	25	21	19	16	11	15	14	16
23	14	14	20	18	25	21	19	16	11	15	14	16
24	14	14	20	18	25	21	19	16	11	15	14	16
25	14	14	20	18	25	21	19	16	11	15	14	16
26	14	14	20	18	25	21	19	16	11	15	14	16
27	14	14	20	18	25	21	19	16	11	15	14	16
28	14	14	20	18	25	21	19	16	11	15	14	16
29	14	14	20	18	.....	21	19	16	11	15	14	16
30	14	14	20	18	.....	21	19	16	11	15	14	16
31	14	.....	20	18	.....	21	.....	16	.....	15	14	.....
Mean	14	14	21	19	21	23	19	20	14	13	14	16
Max.	14	14	22	20	25	25	20	25	16	15	15	16
Min.	14	14	20	18	18	21	19	16	11	12	14	15
A. F.	861	833	1269	1166	1150	1390	1160	1242	813	823	881	932
Total Acre-feet	12,520											

SAND CREEK--Sec. 10-15-40 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	5	6	6	5	5	4	5	3	1	5	7
2	5	5	6	6	5	5	4	5	3	1	5	7
3	5	5	6	6	5	5	4	6	4	1	5	7
4	5	5	6	6	5	5	4	6	1	1	5	7
5	5	5	6	6	5	5	4	5	1	1	5	6
6	5	5	5	6	4	5	4	4	1	1	6	6
7	5	5	5	6	4	6	4	4	2	1	6	6
8	5	5	5	6	4	6	4	3	2	1	6	6
9	5	5	5	6	4	6	4	3	2	1	5	5
10	5	5	5	6	4	6	4	4	2	1	5	5
11	5	5	5	6	5	6	4	4	2	4	4	5
12	5	5	5	6	5	6	4	4	3	4	4	5
13	5	5	5	6	5	6	4	3	4	4	4	4
14	5	5	5	6	6	6	4	3	3	4	4	4
15	5	5	5	6	6	6	4	3	3	4	4	4
16	5	5	5	5	6	6	4	3	3	4	5	5
17	5	5	5	5	6	6	4	3	3	4	5	5
18	5	5	5	5	6	6	4	3	3	3	5	5
19	5	5	5	5	6	6	4	3	2	3	5	5
20	5	5	5	5	6	6	5	3	1	3	5	5
21	5	6	5	5	6	6	5	3	1	3	5	6
22	5	6	5	5	6	6	5	3	1	3	5	8
23	5	6	5	5	6	6	4	3	1	3	5	7
24	5	6	5	5	6	6	4	4	1	4	5	6
25	5	6	5	5	6	6	4	3	1	4	5	6
26	5	6	6	5	6	5	3	5	1	4	8	6
27	5	6	6	5	6	5	3	5	1	4	8	6
28	5	6	6	5	6	5	3	5	1	4	8	6
29	5	6	6	5	.....	5	3	4	1	4	8	6
30	5	6	6	5	.....	5	3	4	1	4	8	6
31	5	.....	6	5	.....	5	.....	4	.....	4	8	.....
Mean	5	5	5	5	5	6	4	4	2	3	6	6
Max.	5	6	6	6	6	6	5	6	3	4	8	7
Min.	5	5	5	5	4	5	3	3	1	1	4	4
A. F.	307	317	329	337	298	345	234	238	115	175	339	341
Total Acre-feet	3,375											

SARBEN SLOUGH—Sec. 20-14-35 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2	2	2	5	4	4	2	3	1	1	1	2
2	2	2	2	5	4	4	2	3	1	1	1	2
3	2	2	2	5	4	4	2	3	1	1	1	2
4	2	2	2	5	4	4	2	3	1	1	1	2
5	2	2	2	5	4	4	2	3	1	1	1	2
6	2	2	1	5	4	4	2	3	1	1	1	2
7	2	2	1	5	4	4	2	3	1	1	1	2
8	2	2	1	5	4	4	2	3	1	1	1	2
9	2	2	1	5	4	4	2	3	1	1	1	2
10	2	2	1	5	4	4	2	3	1	1	1	2
11	2	2	1	5	5	4	2	3	2	1	1	4
12	2	2	1	5	5	4	2	3	2	1	1	4
13	2	2	1	5	5	4	2	3	2	1	1	4
14	2	2	1	5	5	4	2	3	2	1	1	4
15	2	2	1	5	5	4	2	3	2	1	1	4
16	2	2	1	5	5	4	2	3	1	1	1	3
17	2	2	1	5	5	4	2	3	1	1	1	3
18	2	2	1	5	5	4	2	3	1	1	1	3
19	2	2	1	5	5	4	2	3	1	1	1	3
20	2	2	1	5	5	4	3	3	1	1	1	3
21	2	2	3	5	5	3	3	3	1	1	1	3
22	2	2	3	5	5	3	3	3	1	1	1	3
23	2	2	3	5	5	3	3	3	1	1	1	3
24	2	2	3	5	5	3	3	3	1	1	1	3
25	2	2	3	5	5	3	3	3	1	1	1	3
26	2	2	4	5	4	3	3	3	1	1	2	3
27	2	2	4	5	4	3	3	3	1	1	2	3
28	2	2	4	5	4	3	3	3	1	1	2	3
29	2	2	4	5	.....	3	3	3	1	1	2	3
30	2	2	4	5	.....	3	3	3	1	1	2	3
31	2	.....	4	5	.....	3	.....	3	.....	1	2	.....
Mean	2	2	2	5	5	4	2	3	1	1	1	3
Max.	2	2	4	5	5	4	3	3	2	1	2	4
Min.	2	2	1	5	4	3	2	3	1	1	1	2
A. F.	123	119	127	307	252	224	141	184	69	61	49	169
Total Acre-feet	1,825											

SCOTTSLUFF DRAIN NO. 1—Sec. 25-22-55 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	25	14	13	12	10	9	9	12	13	17	22	26
2	25	14	13	12	10	9	9	12	13	17	22	26
3	25	14	13	12	10	9	9	12	13	17	22	26
4	25	14	13	12	10	9	9	12	13	17	22	26
5	25	14	13	12	10	9	9	12	13	17	22	26
6	22	14	12	12	10	9	9	12	14	18	23	25
7	22	14	12	12	10	9	9	12	14	18	23	25
8	22	14	12	12	10	9	9	12	14	18	23	25
9	22	14	12	12	10	9	9	12	14	18	23	25
10	22	14	12	12	10	9	9	12	14	18	23	25
11	21	14	12	11	10	9	10	12	15	19	24	24
12	21	14	12	11	10	9	10	12	15	19	24	24
13	21	14	12	11	10	9	10	12	15	19	24	24
14	21	14	12	11	10	9	10	12	15	19	24	24
15	21	14	12	11	10	9	10	12	15	19	24	24
16	20	14	13	11	9	9	10	13	15	20	25	23
17	20	14	13	11	9	9	10	13	15	20	25	23
18	20	14	13	11	9	9	10	13	15	20	25	23
19	20	14	13	11	9	9	10	13	15	20	25	23
20	20	14	13	11	9	9	10	13	15	20	25	23
21	18	14	13	11	9	9	11	13	16	21	26	23
22	18	14	13	11	9	9	11	13	16	21	26	23
23	18	14	13	11	9	9	11	13	16	21	27	23
24	18	14	13	11	9	8	11	13	16	21	27	23
25	18	14	13	11	9	8	11	13	16	21	27	23
26	16	14	12	10	8	8	11	13	17	22	27	23
27	16	14	12	10	8	8	11	13	17	22	27	23
28	16	14	12	10	8	8	11	13	17	22	27	23
29	16	14	12	10	.....	8	11	13	17	22	27	23
30	16	14	12	10	.....	8	11	13	17	22	27	23
31	16	.....	12	10	.....	8	.....	13	.....	22	27	.....
Mean	20	14	12	11	9	9	10	13	15	20	25	24
Max.	25	14	13	12	10	9	11	13	17	22	27	26
Min.	16	14	12	10	8	8	9	12	13	17	22	23
A. F.	1240	833	768	684	488	538	597	770	893	1200	1520	1430
Total Acre-feet	10,961											

SCOTTSBLUFF DRAIN NO. 2--Sec. 34-22-54 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	7	5	5	4	4	3	4	5	8	13	13
2	12	7	5	5	4	4	3	4	5	8	13	13
3	12	7	5	5	4	4	3	4	5	8	13	13
4	12	7	5	5	4	4	3	4	5	8	13	13
5	12	7	5	5	4	4	3	4	5	8	13	13
6	11	6	4	5	4	4	3	4	5	9	14	13
7	11	6	4	5	4	4	3	4	5	9	14	13
8	11	6	4	5	4	4	3	4	5	9	14	13
9	11	6	4	5	4	4	3	4	5	9	14	13
10	11	6	4	5	4	4	3	4	5	9	14	13
11	11	6	4	4	4	4	3	4	6	9	14	13
12	11	6	4	4	4	4	3	4	6	9	14	13
13	11	6	4	4	4	4	3	4	6	9	14	13
14	11	6	4	4	4	4	3	4	6	9	14	13
15	11	6	4	4	4	4	3	4	6	9	14	13
16	10	6	5	4	4	4	3	5	6	10	13	12
17	10	6	5	4	4	4	3	5	6	10	13	12
18	10	6	5	4	4	4	3	5	6	10	13	12
19	10	6	5	4	4	4	3	5	6	10	13	12
20	10	6	5	4	4	4	4	5	6	10	13	12
21	10	5	5	4	4	4	4	5	7	11	13	12
22	10	5	5	4	4	4	4	5	7	11	13	12
23	10	5	5	4	4	4	4	5	7	11	13	12
24	10	5	5	4	4	4	4	5	7	11	13	12
25	10	5	5	4	4	4	4	5	7	11	14	12
26	8	5	5	4	4	4	4	5	8	12	14	11
27	8	5	5	4	4	4	4	5	8	12	14	11
28	8	5	5	4	4	4	4	5	8	12	14	11
29	8	5	5	4	.....	4	4	5	8	12	14	11
30	8	5	5	4	.....	4	4	5	8	12	14	11
31	8	.....	5	4	.....	4	.....	5	.....	12	14	.....
Mean	10	6	5	4	4	4	3	5	6	10	14	12
Max.	12	7	5	5	4	4	4	5	8	12	14	13
Min.	8	5	4	4	4	4	3	4	5	8	13	11
A. F.	631	347	288	266	222	246	200	278	367	609	833	734
Total Acre-feet	5,021											

SHEEP CREEK NEAR MORRILL--Sec. 16-23-57 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	125	110	100	89	90	86	73	92	60	9	3	6
2	125	110	100	89	90	86	73	80	60	7	4	6
3	125	110	100	89	90	88	74	82	60	9	3	6
4	125	108	100	89	90	78	74	90	1	3	4	6
5	125	108	100	89	90	96	68	85	2	2	4	6
6	122	108	95	88	80	94	73	82	3	2	3	6
7	122	108	95	88	68	93	74	88	7	2	3	6
8	122	108	95	88	70	84	74	82	3	3	3	6
9	122	108	95	88	70	86	76	82	2	3	3	10
10	122	108	95	88	70	87	73	103	5	2	3	15
11	121	105	92	88	70	86	73	87	1	3	3	20
12	120	105	92	87	75	86	72	87	2	3	3	30
13	120	105	92	88	75	85	71	82	2	3	3	40
14	120	105	92	88	75	86	71	83	2	3	3	43
15	120	105	92	88	75	84	73	79	2	3	3	50
16	120	105	92	92	81	88	75	79	4	3	3	75
17	120	105	92	92	83	83	72	77	3	4	3	75
18	120	105	92	92	83	80	73	76	3	3	3	100
19	120	105	92	92	83	80	73	76	3	3	3	100
20	120	105	92	92	83	79	148	74	10	3	3	130
21	115	100	90	96	85	79	148	73	11	3	3	130
22	115	100	90	96	85	86	94	73	6	3	3	130
23	115	100	90	96	85	77	85	112	12	3	4	130
24	115	100	90	96	85	78	84	79	20	3	3	130
25	115	100	90	96	85	77	80	42	11	4	3	130
26	110	100	89	93	86	77	78	38	3	4	3	125
27	110	100	89	93	85	76	79	39	7	4	4	125
28	110	100	89	93	85	77	76	33	7	3	23	125
29	110	100	89	93	.....	77	76	29	9	4	10	125
30	110	100	89	93	.....	76	80	26	9	3	7	125
31	110	.....	89	93	.....	77	.....	58	.....	4	6	.....
Mean	118	105	93	91	81	83	80	73	11	3	5	67
Max.	125	110	100	96	90	96	148	112	60	9	23	130
Min.	110	100	89	87	68	76	68	26	1	2	3	7
A. F.	7260	6250	5710	5600	4500	5100	4780	4500	655	210	263	3990
Total Acre-feet	48,800											

SILVERNAIL DRAIN—Sec. 6-19-49 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	13	12	10	10	8	8	7	6	6	8	8	17
2	13	12	10	10	8	8	7	6	12	8	8	17
3	13	12	10	10	8	8	7	7	16	8	8	17
4	13	12	10	10	8	8	7	8	14	8	8	17
5	13	12	10	10	8	8	7	8	9	8	8	17
6	13	12	9	10	7	8	6	8	9	8	8	17
7	13	12	9	10	7	8	6	7	9	8	7	17
8	13	12	9	10	7	8	6	8	11	7	8	17
9	13	12	9	10	7	8	6	8	13	8	8	17
10	13	12	9	10	7	8	6	8	11	9	10	17
11	13	11	8	11	10	8	6	8	9	8	11	25
12	13	11	8	11	9	8	6	9	7	7	10	24
13	13	11	8	11	9	8	6	9	7	7	10	22
14	13	11	8	11	9	8	6	8	6	7	10	20
15	13	11	8	11	9	8	6	8	6	7	9	18
16	13	11	9	10	8	8	6	8	6	7	9	16
17	13	11	9	10	8	8	6	7	6	8	9	15
18	13	11	9	10	8	8	6	8	6	8	10	15
19	13	11	9	10	8	8	6	8	7	8	10	15
20	13	11	9	10	8	8	7	7	8	7	10	15
21	13	11	9	9	8	7	7	7	8	7	11	14
22	13	11	9	9	8	7	7	7	9	7	11	14
23	13	11	9	9	8	7	6	7	9	7	11	14
24	13	11	9	9	8	7	6	7	9	7	12	14
25	13	11	9	9	8	7	6	7	9	8	50	13
26	12	10	10	8	7	7	6	7	11	9	50	14
27	12	10	10	8	7	7	6	7	10	8	40	15
28	12	10	10	8	7	7	6	7	8	7	23	16
29	12	10	10	8	.....	7	6	7	9	7	21	16
30	12	10	10	8	.....	7	6	7	7	7	19	15
31	12	.....	10	8	.....	7	.....	6	.....	8	17	.....
Mean	13	11	9	10	8	8	6	7	9	8	14	17
Max.	13	12	10	11	10	8	7	9	16	9	50	25
Min.	12	10	8	8	7	7	6	6	6	7	8	13
A. F.	787	664	565	591	440	470	373	456	530	468	881	992
Total Acre-feet	7,217											

SKUNK CREEK—Sec. 1-14-37 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2	3	3	5	2	3	3	3	2	1	1	2
2	2	3	3	5	2	3	3	2	2	1	1	2
3	2	3	3	5	2	3	3	5	2	1	2	2
4	2	3	3	5	2	3	3	5	2	1	3	2
5	2	3	3	5	2	3	3	5	2	1	2	2
6	2	3	3	4	2	3	3	4	1	1	2	2
7	2	3	3	4	2	4	3	4	2	1	2	2
8	2	3	3	4	2	4	3	4	3	1	2	2
9	2	3	3	4	2	4	3	4	2	1	2	2
10	2	3	3	4	2	4	3	4	1	2	2	2
11	2	3	3	3	2	4	3	4	1	2	2	3
12	2	3	3	3	3	4	3	4	2	2	3	3
13	2	3	3	3	3	5	3	4	2	2	2	3
14	2	3	3	3	4	5	3	4	2	2	2	3
15	2	3	3	3	4	5	3	4	2	2	2	3
16	2	3	3	3	4	5	2	4	2	2	3	3
17	2	3	3	3	4	5	2	4	1	1	2	3
18	2	3	3	3	4	5	2	4	1	1	2	3
19	2	3	3	3	4	4	2	4	1	1	2	3
20	2	3	3	3	4	4	3	4	1	2	3	3
21	3	4	4	2	4	4	3	4	1	2	2	3
22	3	4	4	2	4	4	3	4	1	2	2	3
23	3	4	4	2	4	4	3	4	1	1	2	3
24	3	4	4	4	2	3	4	3	4	1	2	3
25	3	4	4	2	3	4	3	4	2	1	2	3
26	3	4	4	2	3	4	3	4	2	1	3	3
27	3	4	4	2	3	4	3	4	1	1	4	3
28	3	4	4	2	3	4	3	4	2	2	5	3
29	3	4	4	2	.....	4	3	2	3	2	4	3
30	3	4	4	2	.....	4	3	2	2	2	3	3
31	3	.....	4	2	.....	4	.....	2	.....	1	2	.....
Mean	2	3	3	3	3	4	3	4	2	1	2	3
Max.	3	4	4	5	4	5	3	5	3	2	5	3
Min.	2	3	3	2	2	3	2	2	1	1	1	2
A. F.	145	198	206	192	165	246	171	234	101	87	145	159
Total Acre-feet	2,049											

SPOTTED TAIL CREEK, DRY—Sec. 28-23-56 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	80	42	38	37	32	30	32	36	44	38	54	54
2	80	42	38	37	32	30	32	49	46	38	55	53
3	80	42	38	37	32	30	32	55	47	42	53	53
4	80	42	38	37	32	30	32	44	44	37	162	52
5	80	42	38	37	32	28	32	44	45	36	110	52
6	76	42	35	37	30	28	30	28	49	35	76	51
7	76	42	35	37	30	30	30	38	53	36	47	50
8	76	42	35	37	30	30	30	24	51	35	49	49
9	76	42	35	37	29	30	30	30	49	36	46	50
10	76	42	35	37	29	30	30	38	51	53	45	50
11	76	40	35	37	29	30	29	32	53	48	43	150
12	76	40	35	37	29	30	29	32	47	43	43	155
13	76	40	35	37	29	30	29	32	46	42	43	155
14	76	40	40	37	30	30	29	33	45	41	44	160
15	76	40	40	37	30	30	29	34	44	42	44	150
16	70	40	40	36	30	31	28	34	42	41	44	140
17	70	40	42	36	30	31	28	32	36	54	44	130
18	70	40	42	36	30	31	28	34	36	41	41	120
19	70	40	42	36	30	31	28	34	28	46	43	110
20	70	40	42	36	30	31	60	34	36	41	48	106
21	60	38	40	36	30	32	50	34	49	41	44	107
22	60	38	40	36	30	32	45	36	55	48	41	108
23	60	38	40	36	30	32	45	40	60	46	41	110
24	60	38	40	36	30	32	42	39	55	44	45	111
25	60	38	40	36	30	32	41	41	50	41	44	113
26	50	38	37	35	30	33	40	41	44	48	51	114
27	50	38	37	35	30	33	38	41	46	47	53	115
28	50	38	37	35	30	33	35	41	47	49	55	110
29	50	38	37	35	.....	33	35	41	46	50	55	100
30	50	38	37	35	.....	33	35	39	46	52	54	90
31	50	.....	37	35	.....	33	.....	43	.....	55	54	.....
Mean	68	40	38	36	30	31	34	37	46	43	54	99
Max.	80	42	42	37	32	33	60	55	60	55	162	160
Min.	50	38	35	35	29	28	28	24	28	35	41	49
A. F.	4190	2380	2340	2230	1680	1900	2050	2290	2760	2670	3310	5890
Total Acre-feet	33,690											

SPOTTED TAIL CREEK, WET—Sec. 1-22-56 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	18	20	19	18	16	14	15	17	18	19	22	22
2	18	20	19	18	16	14	15	17	18	19	23	22
3	18	20	19	18	16	14	15	17	20	21	22	22
4	18	20	19	18	16	14	15	19	18	21	21	22
5	18	20	19	18	16	13	15	20	18	22	20	22
6	18	21	18	18	14	13	15	20	18	20	21	23
7	18	21	18	18	14	13	15	19	20	22	18	23
8	18	21	18	18	14	13	15	18	20	22	20	23
9	18	21	18	18	14	13	15	18	18	22	20	23
10	18	21	18	18	14	13	15	23	19	22	20	23
11	18	20	18	18	14	14	14	21	19	22	18	23
12	18	20	18	18	15	14	14	19	18	22	20	21
13	18	20	18	18	15	14	14	18	18	22	17	21
14	18	20	18	18	15	14	14	18	18	21	18	21
15	18	20	18	18	15	14	14	17	18	21	18	21
16	18	20	19	18	16	14	14	17	16	21	21	20
17	18	20	19	18	16	14	14	17	16	20	20	20
18	18	20	19	18	16	14	14	15	17	18	20	20
19	18	20	19	18	16	14	14	15	17	19	20	20
20	18	20	19	18	16	14	20	15	16	19	21	20
21	19	19	19	19	16	15	18	16	17	21	20	19
22	19	19	19	19	16	15	16	16	15	20	20	19
23	19	19	19	19	16	15	16	18	16	20	21	19
24	19	19	19	19	16	15	16	15	22	20	22	19
25	19	19	19	19	16	15	16	16	15	20	22	19
26	19	19	18	18	14	16	16	18	15	20	21	20
27	19	19	18	18	14	16	16	17	16	20	19	20
28	19	19	18	18	14	16	16	17	16	19	21	20
29	19	19	18	18	.....	16	16	17	15	20	22	20
30	19	19	18	18	.....	16	16	19	15	20	22	20
31	19	.....	18	18	.....	16	.....	19	.....	20	22	.....
Mean	18	20	18	18	15	14	15	18	17	20	20	21
Max.	19	21	19	19	16	16	20	23	22	22	23	23
Min.	18	19	18	18	14	13	14	15	15	19	17	19
A. F.	1130	1180	1140	1120	845	883	908	1090	1040	1260	1250	1240
Total Acre-feet	13,086											

SPRING CREEK—Sec. 4-23-58 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	11	12	11	11	11	11	10	11	10	9	9	10
2	11	12	11	11	11	11	10	11	10	9	9	10
3	11	12	11	11	11	11	10	11	10	9	9	10
4	11	12	11	11	11	11	10	11	10	9	9	10
5	11	12	11	11	11	11	10	11	10	9	9	10
6	11	12	11	11	11	11	10	11	10	9	9	10
7	11	12	11	11	11	12	10	11	10	9	9	10
8	11	12	10	11	11	12	10	11	10	9	9	10
9	11	12	10	11	11	12	10	11	10	9	9	10
10	11	12	10	11	11	12	10	11	10	9	9	10
11	11	12	10	11	11	12	10	11	10	9	9	10
12	11	12	10	11	11	12	10	11	10	9	9	10
13	11	12	10	11	11	12	10	11	10	9	9	10
14	11	12	10	11	11	12	10	11	10	9	9	10
15	11	12	10	11	11	12	10	11	10	9	9	10
16	11	12	11	11	11	11	10	11	10	9	9	11
17	11	12	11	11	11	11	10	11	10	9	9	11
18	11	12	11	11	11	11	10	11	10	9	9	11
19	11	12	11	11	11	11	10	11	10	9	9	11
20	11	12	11	11	11	11	11	11	10	9	9	11
21	11	12	11	11	11	11	11	11	10	9	9	11
22	11	12	11	11	11	11	11	11	10	9	9	11
23	11	12	11	11	11	11	11	11	10	9	9	11
24	11	12	11	11	11	11	11	11	10	9	9	11
25	11	12	11	11	11	11	11	11	10	9	9	11
26	11	11	11	11	11	11	11	11	10	9	10	12
27	11	11	11	11	11	11	11	11	10	9	10	12
28	11	11	11	11	11	11	11	11	10	9	10	12
29	11	11	11	11	.....	11	11	11	10	9	10	12
30	11	11	11	11	.....	11	11	11	10	9	10	12
31	11	.....	11	11	.....	11	.....	11	.....	9	10	.....
Mean	11	12	11	11	11	11	10	11	10	9	9	11
Max.	11	12	11	11	11	12	11	11	10	9	10	12
Min.	11	11	10	11	11	11	10	11	10	9	9	10
A. F.	676	704	661	676	611	694	617	676	595	553	565	635
Total Acre-feet	7,663											

STINKING WATER CREEK—Sec. 25-5-34 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	25	32	37	35	35	40	40	70	29	18	7	24
2	25	32	37	35	35	40	40	70	29	18	7	24
3	25	32	37	35	35	40	40	70	29	18	7	24
4	25	32	37	35	35	40	40	70	29	18	7	24
5	25	32	37	35	35	40	40	70	29	18	7	24
6	25	32	37	35	35	40	40	70	29	18	7	24
7	25	32	37	35	35	40	40	70	29	18	7	24
8	25	32	37	35	35	40	40	70	29	18	7	24
9	25	32	37	35	35	40	40	70	29	18	7	24
10	25	32	37	35	35	40	40	70	29	18	7	24
11	25	32	37	35	35	30	40	50	29	18	16	40
12	25	32	37	35	35	30	40	50	29	18	16	40
13	25	32	37	35	35	30	40	50	29	18	16	40
14	25	32	37	35	35	30	40	50	29	18	16	40
15	25	32	37	35	35	30	40	50	29	18	16	40
16	25	32	37	35	35	30	50	30	22	10	16	40
17	25	32	37	35	35	30	50	30	22	10	16	40
18	25	32	37	35	35	30	50	30	22	10	16	40
19	25	32	37	35	35	30	51	30	22	10	16	40
20	25	32	37	35	35	30	50	30	22	10	16	40
21	25	32	35	35	64	30	70	27	22	10	24	30
22	25	32	35	35	64	79	70	27	22	10	24	30
23	25	32	35	35	64	60	70	27	22	10	24	30
24	25	32	35	35	64	60	70	27	22	10	24	30
25	25	32	35	35	64	60	70	27	22	10	24	30
26	25	32	35	35	50	60	70	27	22	7	24	20
27	25	32	35	35	50	60	70	27	22	7	24	20
28	25	32	35	35	50	60	70	27	22	7	24	20
29	25	32	35	35	.....	60	70	27	22	7	24	20
30	25	32	35	35	.....	60	70	27	22	7	24	20
31	25	.....	35	35	.....	40	.....	27	.....	7	24	.....
Mean	25	32	37	35	42	39	50	45	26	23	16	30
Max.	25	32	37	35	64	79	70	29	20	18	24	40
Min.	25	32	35	35	35	30	40	27	22	7	7	20
A. F.	1535	1904	2230	2150	2320	2360	2975	2770	1515	815	980	1765
Total Acre-feet	23,319											

STREVER CREEK—Sec. 1-8-20 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	11	14	28	10	12	20	38	45	18	3	35
2	10	11	14	28	10	12	20	31	37	16	1	35
3	10	11	14	28	10	12	20	33	35	15	5	35
4	10	11	14	28	10	12	20	54	34	15	7	35
5	10	11	14	28	10	12	20	49	32	15	7	35
6	10	11	14	20	10	12	20	45	32	13	7	35
7	10	11	14	20	10	12	20	53	32	12	7	35
8	10	11	14	20	10	12	20	70	32	25	7	35
9	10	11	14	20	10	12	20	55	36	38	14	35
10	10	11	14	20	10	12	20	41	35	44	21	35
11	10	12	18	16	12	13	30	39	35	39	17	40
12	10	12	18	16	12	13	30	41	33	38	14	40
13	10	12	18	16	12	13	30	36	32	38	21	40
14	10	12	18	16	12	13	30	34	30	40	29	40
15	10	12	18	16	12	13	30	33	28	41	26	40
16	10	12	18	14	12	14	20	30	28	32	24	45
17	10	12	18	14	12	14	20	30	28	24	17	45
18	10	12	18	14	12	14	20	29	25	19	11	45
19	10	12	18	14	12	14	20	30	22	14	9	45
20	10	12	18	14	12	14	20	29	21	11	7	45
21	10	14	20	11	12	14	15	41	21	8	16	30
22	10	14	20	11	12	14	15	38	22	7	26	30
23	10	14	20	11	12	14	15	41	24	29	20	30
24	10	14	20	11	12	14	15	42	25	4	15	30
25	10	14	20	11	12	14	15	31	27	11	22	30
26	10	14	20	11	12	20	15	26	26	13	29	20
27	10	14	20	11	12	20	15	24	26	15	35	20
28	10	14	20	11	12	20	15	28	20	11	41	20
29	10	14	20	11	.....	20	15	39	15	7	41	20
30	10	14	20	11	.....	20	15	41	17	5	41	20
31	10	.....	20	11	.....	20	.....	45	.....	4	41	.....
Mean	10	12	17	16	11	14	20	39	28	21	19	34
Max.	10	14	20	28	12	20	30	70	45	44	41	45
Min.	10	11	14	11	10	12	15	24	17	4	1	20
A. F.	615	734	1071	1014	627	883	1190	2372	1696	1232	1152	2033
Total Acre-feet	14,619											

TRI-STATE CANAL WASTE INTO RED WILLOW CREEK—Sec. 3-21-51 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	*	*	*	*	*	*	*	0	0	0	10	60
2	0	0	0	20	60
3	0	0	0	20	60
4	0	0	0	20	60
5	0	0	0	20	60
6	0	0	0	20	60
7	0	0	0	20	60
8	0	0	0	20	60
9	0	0	0	20	60
10	0	0	0	20	60
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	30	0
20	0	0	0	70	0
21	70	0	0	40	0
22	100	0	0	0	0
23	120	0	0	0	0
24	150	0	0	0	0
25	150	0	0	100	0
26	200	0	0	200	50
27	200	0	0	200	50
28	200	0	0	250	50
29	160	0	0	200	50
30	50	0	0	200	50
31	30	.....	0	200	.....
Mean	46	0	0	54	28
Max.	200	0	0	250	60
Min.	0	0	0	0	0
A. F.	2836	0	0	3332	1686
Total Acre-feet	7,854											
* No record.												

TOOHEY DRAIN—Sec. 20-23-56 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4	4	3	3	2	3	2	3	3	3	3	4
2	4	4	3	3	2	3	2	3	3	3	3	4
3	4	4	3	3	2	3	2	3	3	3	3	4
4	4	4	3	3	2	3	2	3	3	3	3	4
5	4	4	3	3	2	3	2	3	3	3	3	4
6	4	4	3	3	2	3	2	3	3	3	3	4
7	4	4	3	3	2	3	2	3	3	3	3	4
8	4	4	3	3	2	3	2	3	3	3	3	4
9	4	4	2	3	2	3	2	3	3	3	3	4
10	4	4	2	3	2	3	2	3	3	3	3	4
11	4	3	2	3	2	3	2	3	3	3	4	4
12	4	3	2	3	2	3	2	3	3	3	4	4
13	4	3	2	3	2	3	2	3	3	3	4	4
14	4	3	3	3	2	3	2	3	3	3	4	4
15	4	3	3	3	2	3	2	3	3	3	4	4
16	4	3	4	2	3	3	2	3	3	3	4	5
17	4	3	4	2	3	3	2	3	3	3	4	5
18	4	3	4	2	3	3	2	3	3	3	4	5
19	4	3	4	2	3	3	2	3	3	3	4	5
20	4	3	4	2	3	3	3	3	3	3	4	5
21	4	3	3	2	3	3	3	3	3	3	4	5
22	4	3	3	2	3	3	3	3	3	3	4	5
23	4	3	3	2	3	3	3	3	3	3	4	5
24	4	3	3	2	3	3	3	3	3	3	4	5
25	4	3	3	2	3	3	3	3	3	3	4	5
26	4	3	3	2	3	3	3	3	3	3	4	5
27	4	3	3	2	3	3	3	3	3	3	4	5
28	4	3	3	2	3	3	3	3	3	3	4	5
29	4	3	3	2	.....	3	3	3	3	3	4	5
30	4	3	3	2	.....	3	3	3	3	3	4	5
31	4	.....	3	2	.....	3	.....	3	.....	3	4	.....
Mean	4	3	3	2	2	3	2	3	3	3	4	4
Max.	4	4	4	3	3	3	3	3	3	3	4	5
Min.	4	3	2	2	2	3	2	3	3	3	3	4
A. F.	246	198	184	153	137	184	141	184	179	184	228	268
Total Acre-feet	2,286											

TOOHEY SPILLWAY—Sec. 19-23-56 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	24	29	22	21	18	17	13	12	0	0	0	0
2	24	29	22	21	18	17	13	12	0	0	0	0
3	24	29	22	21	18	17	13	200	0	0	0	0
4	24	29	22	21	18	17	13	220	0	0	0	0
5	24	29	22	21	18	17	13	100	0	0	0	0
6	24	28	20	20	17	17	13	200	0	0	0	0
7	24	28	20	20	17	18	13	100	0	0	0	0
8	24	28	20	20	17	18	13	150	0	0	0	0
9	24	28	20	20	17	18	13	10	0	0	0	0
10	24	28	20	20	17	18	13	0	0	0	0	0
11	23	28	20	20	17	17	13	0	0	0	0	0
12	23	28	20	20	18	17	13	0	0	0	0	0
13	23	28	20	20	18	17	13	0	0	0	0	0
14	23	28	20	20	18	17	13	5	0	0	0	0
15	23	28	20	20	18	17	13	0	0	0	0	0
16	25	26	22	19	18	15	13	0	0	0	0	0
17	25	26	22	19	18	15	13	0	0	0	0	0
18	25	26	22	19	18	15	13	0	0	0	0	0
19	25	26	22	19	18	15	13	0	0	0	0	0
20	25	26	22	19	18	15	13	0	0	0	0	0
21	27	26	22	19	18	14	12	0	0	0	0	0
22	27	26	22	19	18	14	12	0	0	0	0	20
23	27	26	22	19	18	14	12	0	0	0	0	20
24	27	26	22	19	18	14	12	0	0	0	0	30
25	27	26	22	19	18	14	12	0	0	0	0	50
26	27	24	21	19	17	13	12	0	0	0	0	50
27	27	24	21	19	17	13	12	0	0	0	0	50
28	27	24	21	19	17	13	12	0	0	0	0	50
29	27	24	21	19	.....	13	12	0	0	0	0	50
30	27	24	21	19	.....	13	12	0	0	0	0	50
31	27	.....	21	19	.....	13	.....	0	.....	0	0	.....
Mean	25	27	21	20	18	16	13	33	0	0	0	12
Max.	27	29	22	21	18	18	13	220	0	0	0	50
Min.	23	24	20	19	17	13	12	0	0	0	0	0
A. F.	1540	1600	1300	1210	982	956	754	2000	0	0	0	734
Total Acre-feet	11,076											

TUB SPRINGS—Sec. 8-22-55 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	125	65	50	43	40	35	32	30	17	7	11	50
2	125	65	50	43	40	35	32	36	6	6	13	50
3	125	65	50	43	40	35	32	39	5	7	9	40
4	125	65	50	43	40	35	32	42	6	31	45	30
5	125	65	50	43	40	35	32	44	4	7	39	30
6	110	62	40	42	38	35	31	42	5	6	40	8
7	110	62	40	42	33	37	31	46	11	7	6	8
8	110	62	40	42	33	37	31	46	7	7	6	8
9	110	62	40	42	33	37	31	59	17	7	4	8
10	110	62	40	42	33	37	31	67	17	6	5	8
11	90	60	40	41	33	37	30	50	5	7	5	40
12	90	60	40	41	35	37	30	50	6	7	5	50
13	90	60	40	41	35	37	30	48	43	7	5	50
14	90	60	40	41	35	37	30	43	95	6	4	50
15	90	60	40	41	35	37	30	43	6	11	4	50
16	80	58	45	41	35	35	30	42	6	17	4	64
17	80	58	45	41	35	35	30	46	4	27	4	64
18	80	58	45	41	35	35	30	39	63	15	5	64
19	80	58	45	41	35	35	30	40	64	7	5	64
20	80	58	45	41	35	35	50	42	23	7	5	64
21	80	58	45	41	35	35	50	59	50	10	5	70
22	80	58	45	41	35	35	48	18	33	8	6	73
23	80	58	45	41	35	35	48	88	19	29	6	76
24	80	58	45	41	35	35	48	32	19	16	6	79
25	80	58	45	41	35	35	48	58	14	8	5	80
26	70	55	43	41	35	33	46	58	6	8	39	83
27	70	55	43	41	35	33	45	50	5	8	62	86
28	70	55	43	41	35	33	40	54	14	7	82	86
29	70	55	43	41	.....	33	35	35	5	11	74	86
30	70	55	43	41	.....	33	30	41	5	7	67	86
31	70	.....	43	41	.....	33	.....	41	.....	7	60	.....
Mean	92	60	44	41	36	35	36	46	19	10	21	53
Max.	125	65	50	43	40	37	48	67	95	29	82	86
Min.	70	55	40	41	35	33	30	30	4	6	4	8
A. F.	5640	3550	2690	2550	1980	2160	2130	2830	1150	637	1260	3180
Total Acre-feet	29,757											

WHITE HORSE CREEK—Sec. 5-13-29 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14	16	20	14	15	18	20	27	8	2	2	7
2	14	16	20	14	15	18	20	24	8	2	2	7
3	14	16	20	14	15	18	20	64	8	2	2	7
4	14	16	20	14	15	18	20	70	8	2	2	7
5	14	16	20	14	15	18	20	72	8	2	2	7
6	14	16	16	14	13	18	20	75	8	2	4	7
7	14	16	16	14	13	20	20	75	8	2	4	7
8	14	16	16	14	13	20	20	75	8	2	4	7
9	14	16	16	14	13	20	20	75	8	2	4	7
10	14	16	16	14	13	20	20	75	8	2	4	7
11	14	16	16	14	14	22	19	80	7	1	6	15
12	14	16	16	14	14	22	19	78	7	1	6	15
13	14	16	16	14	14	22	19	60	7	1	6	14
14	14	16	16	14	14	22	19	50	7	1	6	13
15	14	16	16	14	14	22	19	40	7	1	6	12
16	14	18	18	15	14	23	19	28	6	1	6	12
17	14	18	18	15	14	23	19	25	6	1	6	11
18	14	18	18	15	14	23	19	25	5	1	6	11
19	14	18	18	15	14	23	19	25	5	1	6	11
20	14	18	18	15	14	23	40	25	4	1	6	11
21	14	18	16	15	16	22	35	20	4	1	6	11
22	14	18	16	15	16	22	30	20	4	1	6	11
23	14	18	16	15	16	22	25	20	4	1	6	11
24	14	18	16	15	16	22	20	20	4	1	6	11
25	14	18	16	15	16	22	20	15	4	1	6	11
26	14	20	14	16	18	21	20	15	3	1	7	10
27	14	20	14	16	18	21	20	15	3	1	7	10
28	14	20	14	16	18	21	18	15	3	1	7	10
29	14	20	14	16	.....	21	18	10	3	1	7	10
30	14	20	14	16	.....	21	18	10	3	1	7	10
31	14	.....	14	16	.....	21	.....	10	.....	1	7	.....
Mean	14	17	15	15	15	21	21	40	6	1	5	10
Max.	14	20	20	16	18	23	40	80	8	2	7	15
Min.	14	16	14	14	13	18	18	10	3	1	2	7
A. F.	861	1030	1020	904	821	1290	1260	2460	349	81	321	595
Total Acre-feet	10,992											

WHITE RIVER AT CRAWFORD—Sec. 9-31-52 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	17	30	24	*	*	24	24	34	34	15	15	22
2	17	30	24	.....	.....	26	24	34	33	15	17	20
3	17	30	24	.....	.....*	29	24	34	32	17	16	18
4	17	30	24	.....	.....	32	24	34	32	17	15	17
5	17	24	24	.....	.....	29	24	34	31	16	15	16
6	17	20	22	.....	.....	25	24	34	30	18	15	15
7	18	20	22	.....	.....	24	24	34	30	20	15	15
8	18	20	22	.....	.....	23	24	34	30	20	15	14
9	20	20	22	.....	.....	22	24	34	29	20	17	14
10	22	20	22	.....	.....	24	24	42	29	22	16	14
11	22	20	18	.....	.....	24	23	48	28	20	15	140
12	21	24	18	*	*	24	22	47	27	19	15	53
13	21	29	18	26	.....	29	22	42	26	18	15	41
14	20	34	18	*	.....	29	22	39	25	18	15	24
15	20	30	18	.....	.....	29	22	38	24	19	15	20
16	20	26	22	.....	.....	29	22	35	24	19	14	17
17	20	24	22	.....	.....	29	22	35	24	19	14	14
18	20	24	22	.....	.....	29	22	30	24	19	14	12
19	20	22	22	.....	.....	29	22	30	22	18	14	11
20	23	24	22	.....	.....	29	94	29	22	18	14	10
21	26	24	26	.....	.....	29	134	38	21	17	14	10
22	20	24	26	.....	.....	29	104	38	20	17	14	12
23	20	24	26	.....	.....	29	45	42	19	17	83	12
24	20	24	26	.....	.....	26	45	42	19	16	28	10
25	20	24	26	.....	.....	24	44	40	19	16	23	11
26	26	24	26	.....	.....	23	42	37	19	15	20	11
27	26	24	26	.....	.....	23	42	35	18	15	15	11
28	30	24	26	.....	.....	24	39	62	17	14	375	11
29	30	24	26	.....	*	24	36	33	17	14	103	10
30	26	24	26	.....	.....	24	35	33	16	14	35	10
31	30	.....	26	*	.....	24	.....	33	.....	14	24	.....
Mean	21	25	23	26	30	26	37	37	25	17	33	21
Max.	30	34	26	.....	.....	32	134	62	34	22	375	140
Min.	17	20	18	.....	.....	22	22	29	16	14	14	10
A. F.	1310	1470	1420	1600	1670	1620	2180	2290	1470	1060	2050	1220
Total Acre-feet	19,400											
* Estimated.												

WHITE RIVER NEAR CHADRON—Sec. 18-33-49 W.

DATE	Year Ending September 30, 1933											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3	5	5	*	*	20	12	20	41	22	8	15
2	4	7	5	.....	.....*	20	14	20	39	23	16	9
3	6	5	6	.....	.....13	20	10	29	47	58	51	5
4	8	5	6	.....	.....*	20	11	49	45	24	26	6
5	8	5	6	.....	.....	20	10	56	39	16	11	3
6	6	5	5	.....	.....	25	9	58	41	13	10	5
7	6	6	5	.....	.....	25	8	49	41	17	8	5
8	9	6	5	.....	.....	25	9	49	35	18	7	5
9	7	10	5	.....	.....	25	11	47	31	14	5	3
10	8	11	5	.....	.....	25	12	119	26	10	11	3
11	13	12	4	.....	.....	30	18	355	28	8	5	9
12	17	11	4	.....	.....	80	18	128	24	8	6	88
13	13	13	4	.....	.....	120	16	90	22	7	7	158
14	8	11	4	.....	.....	194	12	68	16	6	8	29
15	4	10	4	.....	.....	131	11	53	15	10	7	24
16	6	11	4	.....	.....	116	9	53	13	10	5	17
17	7	12	4	.....	.....	104	8	49	14	14	7	18
18	6	9	4	.....	.....	96	8	49	16	47	6	17
19	8	8	4	.....	.....	86	9	324	14	15	7	16
20	10	6	4	.....	.....	76	384	650	14	8	8	16
21	9	6	6	.....	.....	68	1090	113	13	9	7	16
22	8	7	6	.....	.....	63	384	80	13	8	8	16
23	16	7	6	.....	.....	66	155	670	15	9	8	15
24	21	7	6	.....	.....	68	63	402	14	7	7	12
25	13	8	6	.....	.....	60	49	98	16	8	420	11
26	9	7	8	.....	.....	35	35	68	18	8	530	5
27	6	6	8	.....	.....	15	35	58	18	7	53	5
28	6	6	8	.....	*	14	28	221	20	5	659	4
29	5	6	8	.....	.....	12	26	143	28	8	278	5
30	5	5	8	.....	.....	13	22	60	20	8	58	4
31	5	.....	8	*	.....	10	.....	43	.....	8	17	.....
Mean	8	8	6	112	19	54	83	138	25	14	73	18
Max.	21	13	8	*	*	194	1090	670	47	58	659	158
Min.	3	5	4	*	*	10	8	20	13	5	5	3
A. F.	516	464	338	1738	1500	3340	4930	8480	1460	861	4490	1080
Total Acre-feet	27,200											
* No record.												
† Estimated.												

WHITE TAIL CREEK--Sec. 36-15-38 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	27	36	32	35	30	30	30	35	32	25	24	32
2	27	36	32	35	30	30	30	32	34	25	28	32
3	27	36	32	35	30	30	30	32	30	25	28	32
4	27	36	32	35	30	30	30	32	32	28	28	32
5	27	36	32	35	30	30	30	32	28	30	29	32
6	30	36	30	35	27	30	30	38	30	26	30	32
7	30	36	30	35	27	30	30	61	29	22	29	32
8	30	36	30	35	27	30	30	40	28	20	28	32
9	30	36	30	35	27	30	30	44	29	19	26	32
10	30	36	30	35	27	30	30	40	30	18	30	32
11	33	34	30	33	27	30	30	44	32	16	28	33
12	33	34	30	33	30	30	30	37	34	16	27	33
13	33	34	30	33	32	30	30	33	33	16	28	33
14	33	34	30	33	34	30	30	37	32	16	30	33
15	33	34	30	33	34	30	30	37	34	16	31	33
16	33	34	32	33	34	30	30	37	33	18	32	33
17	33	34	32	33	34	30	30	33	33	19	31	33
18	33	34	32	33	34	30	30	34	32	22	30	33
19	33	34	32	33	34	30	30	35	30	24	30	33
20	33	34	32	33	34	30	45	35	32	22	30	33
21	36	32	32	31	32	30	40	36	34	19	30	32
22	36	32	32	31	32	30	35	37	31	21	31	32
23	36	32	32	31	32	30	30	36	32	23	33	32
24	36	32	32	31	32	30	30	36	30	23	35	32
25	36	32	32	31	32	30	30	34	28	23	35	32
26	36	32	34	31	30	30	30	35	25	22	43	32
27	36	32	34	31	30	30	30	32	28	22	52	32
28	36	32	34	31	30	30	30	35	26	22	60	32
29	36	32	34	31	.....	30	30	34	25	23	48	32
30	36	32	34	31	.....	30	30	33	25	22	37	32
31	36	.....	34	31	.....	30	.....	34	.....	21	34	.....
Mean	33	34	32	33	31	30	31	36	30	21	33	32
Max.	36	36	34	35	34	30	45	61	34	30	60	33
Min.	27	32	30	31	27	30	30	32	25	16	24	32
A. F.	2010	2020	1950	2030	1710	1840	1840	2240	1810	1320	2010	1920
Total Acre-feet	22,700											

WILLOW CREEK--Sec. 15-14-35 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1	2	1	2	1	1	2	2	2	1	1	1
2	1	2	1	2	1	1	2	2	2	1	1	1
3	1	2	1	2	1	1	2	2	2	1	1	1
4	1	2	1	2	1	1	2	2	2	1	1	1
5	1	2	1	2	1	1	2	2	2	1	1	1
6	1	1	0	2	1	1	2	2	1	1	1	1
7	1	1	0	2	1	2	2	2	1	1	1	1
8	1	1	0	2	1	2	2	2	1	1	1	1
9	1	1	0	2	1	2	2	2	1	1	1	1
10	1	1	0	2	1	2	2	2	1	1	1	1
11	1	1	0	2	2	2	2	2	1	2	1	2
12	1	1	0	2	2	2	2	2	1	2	1	2
13	1	1	0	2	2	2	1	2	1	2	1	2
14	1	1	0	2	2	2	1	2	1	2	1	2
15	1	1	0	2	2	2	1	2	1	2	1	2
16	1	1	1	1	2	2	1	2	1	1	1	2
17	1	1	1	1	2	2	1	2	1	1	1	2
18	1	1	1	1	2	2	1	2	1	1	1	2
19	1	1	1	1	2	2	1	2	1	1	1	2
20	1	1	1	1	2	2	2	2	1	1	1	2
21	2	1	1	1	2	2	2	2	1	1	1	1
22	2	1	1	1	2	2	2	2	1	1	1	1
23	2	1	1	1	2	2	2	2	1	1	1	1
24	2	1	1	1	2	2	2	2	1	1	1	1
25	2	1	1	1	2	2	2	2	1	1	1	1
26	2	1	2	2	1	2	2	2	1	1	1	1
27	2	1	2	2	1	2	2	2	1	1	1	1
28	2	1	2	2	1	2	2	2	1	1	1	1
29	2	1	2	2	.....	2	2	2	1	1	1	1
30	2	1	2	2	.....	2	2	2	1	1	1	1
31	2	.....	2	2	.....	2	.....	2	.....	1	1	.....
Mean	1	1	1	2	2	2	2	2	1	1	1	1
Max.	2	2	2	2	2	2	2	2	2	2	2	2
Min.	1	1	0	1	1	1	1	2	1	1	1	1
A. F.	83	69	54	103	85	111	105	123	69	71	61	79
Total Acre-feet	1,013											

WINTERS CREEK—Sec. 19-22-54 W.
Year Ending September 30, 1933

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	132	75	66	69	60	60	56	60	10	46	91	95
2	132	75	66	69	60	63	55	57	6	50	64	95
3	132	75	66	69	60	63	54	64	6	53	70	95
4	132	75	66	69	60	63	54	71	4	59	74	95
5	132	75	66	69	60	70	52	66	7	65	74	95
6	132	74	60	69	58	60	33	64	7	70	74	90
7	130	74	60	69	58	65	28	66	5	60	73	89
8	125	74	60	69	58	63	31	64	6	54	63	81
9	120	74	60	69	57	60	24	66	7	48	59	73
10	115	74	60	69	56	60	20	149	6	53	55	90
11	110	74	60	69	56	58	21	64	4	58	62	125
12	107	74	60	69	56	59	30	56	4	59	69	150
13	107	74	60	69	57	58	34	56	5	52	70	170
14	107	74	60	69	57	57	29	55	5	90	86	176
15	107	74	60	69	57	57	23	55	5	66	73	150
16	100	70	70	65	57	57	31	60	5	56	60	140
17	100	70	70	65	57	57	28	54	4	47	60	130
18	100	70	70	65	57	58	24	59	9	66	60	120
19	100	70	70	65	57	57	38	60	14	84	80	118
20	100	70	70	65	57	57	117	59	28	100	111	115
21	90	70	70	62	58	57	76	60	42	117	94	110
22	90	70	70	62	58	57	74	38	40	111	78	105
23	90	70	70	62	58	57	66	53	37	105	85	104
24	90	70	70	62	58	57	64	45	36	85	54	110
25	90	70	70	62	58	57	69	49	36	80	72	115
26	80	66	69	62	58	58	65	36	34	76	91	120
27	80	66	69	62	58	57	58	36	33	72	126	127
28	80	66	69	62	60	57	56	34	36	66	160	120
29	80	66	69	62	.....	57	59	34	38	60	139	115
30	80	66	69	62	.....	57	64	34	42	64	118	110
31	80	.....	69	62	.....	57	.....	20	.....	69	115	.....
Mean	105	72	66	66	58	59	48	56	17	69	83	114
Max.	132	75	70	69	60	70	117	149	42	117	160	176
Min.	80	66	60	62	56	57	20	20	4	46	54	73
A. F.	6460	4250	4050	4050	3220	3630	2840	3460	1040	4250	5080	6780
Total Acre-feet	49,100											

ARIKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.
Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14	16	*	*	*	21	21	16	4	5	0	6
2	12	21	.....	.....	.....	23	21	16	4	4	0	6
3	14	18	.....	.....	.....	22	21	16	13	4	0	5
4	14	18	.....	.....	.....	21	21	16	10	4	0	6
5	16	18	*	.....	.....	22	20	16	10	2	0	6
6	14	21	22	.....	.....	21	21	12	10	2	0	5
7	13	23	*	.....	.....	24	21	10	6	2	0	5
8	11	20	.....	.....	.....	28	22	10	4	2	0	5
9	12	21	.....	.....	.....	19	22	8	2	2	0	7
10	12	22	.....	.....	.....	19	22	7	2	2	0	5
11	12	22	.....	.....	.....	21	22	8	2	2	0	5
12	14	19	.....	.....	.....	20	22	9	3	1	0	5
13	15	19	.....	*	.....	20	21	9	3	1	0	4
14	16	16	.....	25	.....	19	20	9	47	1	1080	5
15	17	16	.....	*	.....	21	23	9	810	1	128	7
16	12	16	.....	.....	.....	22	29	10	53	1	75	7
17	16	17	.....	.....	.....	22	45	5	30	4	31	5
18	16	16	.....	.....	.....	22	27	5	21	1	81	4
19	16	18	.....	.....	.....	22	24	5	15	1	19	4
20	15	18	.....	.....	.....	22	21	5	14	0	15	3
21	16	18	.....	.....	.....	21	19	5	11	0	15	3
22	15	18	.....	.....	.....	21	22	4	62	0	14	3
23	14	18	.....	.....	.....	21	20	4	22	0	10	5
24	14	18	.....	*	.....	21	19	6	14	0	10	6
25	14	19	.....	22	.....	22	18	10	13	0	10	7
26	16	19	.....	*	.....	22	18	7	7	0	9	7
27	16	18	.....	.....	.....	22	16	7	6	0	8	6
28	16	18	.....	.....	*	21	16	7	7	0	8	6
29	16	16	.....	.....	.....	21	16	6	15	0	7	6
30	15	17	.....	.....	.....	22	16	4	5	0	6	6
31	16	.....	*	*	.....	22	.....	4	.....	0	5	.....
Mean	15	19	†23	†24	†21	22	22	9	41	1	49	5
Max.	17	23	*	*	*	28	45	16	810	5	1080	7
Min.	11	16	*	*	*	19	16	4	2	0	0	3
A. F.	891	1100	†1410	†1480	†1170	1320	1280	526	2430	86	3040	317
Total Acre-feet	15,000											

* No record.
† Estimated.

DATE	BALD DRAIN—Sec. 32-23-56 W.											
	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7	6	5	5	3	3	2	2	2	3	2	2
2	7	6	5	5	3	3	2	2	2	3	2	2
3	7	6	5	5	3	3	2	2	2	3	2	2
4	7	6	5	5	3	3	2	2	2	3	2	2
5	7	6	5	5	3	3	2	2	2	3	2	2
6	7	6	5	5	3	3	2	2	2	3	2	2
7	7	6	5	5	3	3	2	2	2	3	2	2
8	7	6	5	5	3	3	2	2	2	3	2	2
9	7	6	5	5	3	3	2	2	2	3	2	2
10	7	6	5	5	3	3	2	2	2	3	2	2
11	7	6	5	5	3	3	2	2	2	3	2	2
12	7	6	5	5	3	3	2	2	2	3	2	2
13	7	6	5	5	3	3	2	2	2	3	2	2
14	7	6	5	5	3	3	2	2	2	3	2	2
15	7	6	5	5	3	3	2	2	2	3	2	2
16	7	6	5	4	3	2	2	2	2	3	2	2
17	7	6	5	4	3	2	2	2	2	3	2	2
18	7	6	5	4	3	2	2	2	2	3	2	2
19	7	6	5	4	3	2	2	2	2	3	2	2
20	7	6	5	4	3	2	2	2	2	3	2	2
21	7	5	5	4	3	2	2	2	2	3	2	2
22	7	5	5	4	3	2	2	2	2	3	2	2
23	7	5	5	4	3	2	2	2	2	3	2	2
24	7	5	5	4	3	2	2	2	2	3	2	2
25	7	5	5	4	3	2	2	2	2	3	2	2
26	7	5	5	4	3	2	2	2	2	3	2	3
27	7	5	5	4	3	2	2	2	2	3	2	1
28	7	5	5	4	3	2	2	2	2	3	2	1
29	7	5	5	4	.....	2	2	2	2	3	2	1
30	7	5	5	4	.....	2	2	2	2	3	2	1
31	7	.....	5	4	.....	2	2	2	.....	2	1	.....
Mean	7	6	5	5	3	2	2	2	3	3	2	2
Max.	7	6	5	5	3	3	2	2	3	3	2	3
Min.	7	5	5	4	3	2	2	2	2	2	1	2
A. F.	430	337	307	276	167	133	119	123	169	173	111	129
Total Acre-feet	2,474											

DATE	BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Sec. 34-21-52 W.											
	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	75	51	47	41	39	37	33	37	0	23	24	24
2	74	51	47	41	39	36	32	40	0	11	23	26
3	70	51	47	41	39	39	33	38	8	1	22	26
4	70	51	47	41	39	37	34	34	9	0	22	26
5	70	51	47	41	38	34	33	30	0	0	23	24
6	65	51	45	40	38	35	33	28	0	0	23	24
7	65	51	45	40	38	35	33	27	0	0	26	24
8	65	52	45	40	38	35	32	27	0	0	25	24
9	64	50	45	40	38	34	30	27	1	9	29	26
10	63	50	45	40	38	34	30	27	9	22	18	26
11	63	50	44	40	37	34	30	27	24	22	5	26
12	62	50	44	40	37	34	29	27	24	22	4	25
13	60	50	43	40	37	34	29	48	22	22	13	25
14	60	50	43	41	37	35	30	36	22	21	21	25
15	60	48	43	41	37	36	31	28	27	21	29	25
16	58	49	43	41	37	37	31	26	13	21	26	20
17	58	49	43	42	37	35	30	12	2	22	25	14
18	58	49	43	42	37	37	29	2	3	22	24	13
19	58	49	43	42	37	38	30	1	4	21	24	13
20	58	49	43	42	37	39	30	0	4	22	24	13
21	56	50	43	41	36	37	30	0	7	22	22	15
22	56	49	43	41	36	34	33	2	6	10	34	15
23	56	49	43	41	36	33	33	1	3	1	24	15
24	55	49	43	41	36	33	33	1	3	27	24	21
25	53	48	42	41	36	33	32	12	2	26	23	21
26	53	48	42	40	33	32	35	26	3	26	24	21
27	53	48	42	40	33	33	37	0	16	11	24	21
28	53	48	42	40	33	33	58	1	27	1	23	21
29	53	48	42	40	.....	33	35	9	24	2	24	20
30	53	48	42	40	.....	34	35	23	23	11	22	20
31	53	.....	42	40	.....	35	.....	9	.....	26	23	.....
Mean	60	50	44	41	37	35	32	20	10	14	23	21
Max.	75	52	47	42	39	39	38	48	27	27	34	26
Min.	53	48	42	40	33	32	29	0	0	0	4	13
A. F.	3710	2950	2690	2500	2050	2150	1910	1200	567	1882	1380	1270
Total Acre-feet	23,300											

BIRDWOOD CREEK NEAR HERSHEY—Sec. 2-14-33 W.

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	170	200	195	220	.....	205	201	137	103	71	100	218
2	170	200	195	220	.....	173	189	124	158	95	112	214
3	170	200	195	220	.....	169	177	121	181	95	90	205
4	170	200	195	220	.....	181	185	189	151	90	95	185
5	170	200	195	220	.....	173	185	173	151	103	95	165
6	173	200	192	240	.....	165	185	137	158	118	100	158
7	173	200	192	240	.....	165	169	148	112	112	121	158
8	173	200	192	243	.....	169	181	140	85	112	118	154
9	173	200	192	240	.....	169	173	137	90	115	103	193
10	175	200	192	240	.....	162	173	124	95	112	98	275
11	175	200	192	220	.....	165	173	121	90	127	127	228
12	175	200	192	220	.....	165	154	121	82	118	115	201
13	175	200	192	220	.....	165	151	127	144	148	100	173
14	175	200	193	220	.....	144	158	148	144	151	95	151
15	175	200	190	220	.....	144	148	158	232	154	112	154
16	185	210	190	200	.....	162	154	154	189	154	130	158
17	185	210	190	200	.....	140	148	137	154	134	482	158
18	185	210	190	200	.....	144	144	127	137	130	265	154
19	185	210	190	200	.....	169	127	118	121	134	158	158
20	185	210	190	200	.....	169	137	121	121	137	148	151
21	195	220	190	200	.....	169	144	112	127	112	140	181
22	195	220	190	200	.....	173	140	121	162	134	158	189
23	195	218	190	200	.....	173	185	112	148	118	144	185
24	197	220	190	200	.....	169	185	115	127	115	127	197
25	200	220	190	200	.....	177	185	115	106	124	134	165
26	200	200	190	190	.....	181	148	127	106	148	165	169
27	200	200	190	190	.....	181	158	124	92	140	154	169
28	200	200	190	190	*	181	169	112	75	137	154	169
29	200	200	190	190	.....	185	169	100	71	118	154	173
30	200	200	190	190	.....	181	169	98	71	130	173	173
31	200	.....	190	189	.....	189	.....	92	.....	118	169	.....
Mean	184	205	191	211	†180	170	165	129	126	123	143	179
Max.	200	220	195	240	*	205	201	189	232	154	482	275
Min.	170	200	190	189	*	140	127	92	71	71	90	151
A. F.	11300	12190	11770	12980	†10000	10430	9850	7910	7500	7550	8800	10670
Total Acre-feet	121,000											

* No record.
† Estimated.

BLUE CREEK NEAR LEWELLEN—Sec. 30-16-42 W.

Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	90	110	97	103	106	126	104	14	72	126	2	18
2	90	110	104	103	109	110	95	87	81	95	2	21
3	90	110	143	103	109	112	88	212	89	88	1	25
4	90	110	114	106	109	106	90	181	43	89	1	24
5	90	110	111	111	108	96	95	127	4	98	0	10
6	90	110	106	110	106	98	92	109	3	95	0	4
7	86	122	106	98	109	97	88	85	2	86	0	4
8	86	118	109	105	109	96	86	73	1	86	0	3
9	86	114	106	110	104	97	87	70	1	85	2	21
10	86	111	106	110	109	95	87	68	13	84	22	29
11	85	110	99	105	111	99	85	72	11	66	29	25
12	85	108	95	104	110	100	82	69	87	72	110	39
13	85	108	102	95	115	97	86	70	97	67	108	84
14	85	96	99	106	110	95	91	72	82	64	100	82
15	85	105	104	108	108	98	89	68	117	49	71	80
16	85	103	105	108	104	100	89	64	139	24	25	81
17	85	105	102	109	102	88	92	54	108	12	7	78
18	85	99	99	110	99	99	81	43	41	14	2	56
19	85	100	105	110	100	102	68	30	19	18	2	30
20	85	79	103	111	102	100	70	26	19	14	2	45
21	80	99	105	106	103	97	64	13	30	3	2	54
22	80	95	103	108	105	99	54	3	135	3	1	55
23	80	95	105	109	105	103	49	2	108	4	1	58
24	80	99	103	112	103	103	33	3	156	2	1	57
25	80	99	98	105	105	99	34	13	69	4	1	55
26	95	92	96	108	90	98	28	77	41	5	1	57
27	95	97	44	108	90	96	19	14	40	2	1	55
28	95	99	90	111	90	100	12	36	88	2	1	38
29	95	98	122	109	.....	102	8	103	88	6	1	42
30	95	97	122	109	.....	96	3	90	151	6	1	53
31	95	.....	106	109	.....	103	.....	76	.....	8	1	.....
Mean	87	104	104	107	105	100	68	65	65	44	16	43
Max.	95	122	143	112	115	126	104	212	156	126	110	84
Min.	80	79	44	95	90	88	3	2	1	2	0	3
A. F.	5360	6160	6360	6580	5810	6160	4060	4010	3840	2730	991	2540
Total Acre-feet	54,600											

BLUE RIVER, BIG, AT BARNSTON—Sec. 24-1-7 E.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	101	63	114	84	105	108	121	146	101	50	17	436
2	80	82	105	75	162	191	182	108	82	48	16	258
3	80	77	148	133	99	170	182	108	56	48	14	996
4	80	101	227	154	123	133	136	68	62	43	14	1320
5	70	116	365	80	151	287	148	136	101	47	8	1070
6	84	95	130	126	159	252	182	101	65	46	23	861
7	88	70	151	140	90	148	209	154	66	46	22	710
8	80	72	218	119	128	191	112	143	68	18	12	512
9	65	78	110	126	84	159	151	63	68	35	13	351
10	77	123	165	73	95	162	221	103	48	43	14	399
11	63	140	126	105	123	101	176	112	65	22	54	75
12	65	65	110	123	140	143	143	136	60	22	17	78
13	80	108	99	110	105	179	80	88	55	25	34	212
14	99	121	95	138	103	103	80	130	55	65	17	63
15	82	60	114	97	105	188	90	103	53	50	28	194
16	82	82	156	121	126	84	128	68	55	28	18	55
17	56	151	78	121	133	209	170	108	53	27	19	108
18	86	70	103	176	154	84	108	105	75	19	20	133
19	90	60	80	78	148	140	90	68	70	46	13	77
20	77	82	82	121	148	162	101	68	56	22	17	35
21	73	136	119	146	82	116	123	54	54	22	19	50
22	66	112	197	165	105	116	136	72	95	15	19	35
23	80	86	148	154	165	86	116	54	82	18	19	27
24	93	138	105	70	143	130	112	197	56	20	20	33
25	77	72	126	93	95	126	114	101	140	18	24	37
26	62	70	128	88	65	170	103	73	123	14	22	555
27	78	168	121	162	80	136	95	62	59	20	34	695
28	121	182	93	119	95	133	110	70	51	20	20	573
29	30	73	112	88	.....	119	119	80	48	12	23	331
30	82	66	130	97	.....	114	112	42	56	25	22	108
31	101	.....	138	75	.....	95	.....	56	.....	19	41	.....
Mean	79	97	135	115	118	146	132	96	69	31	21	346
Max.	121	182	365	176	165	287	221	197	140	65	54	1320
Min.	30	60	78	70	65	84	80	42	48	12	8	27
A. F.	4860	5790	8320	7060	6570	9000	7830	5900	4120	1890	1300	20600
Total Acre-feet	83,200											

BLUE RIVER, LITTLE, NEAR ENDICOTT—Sec. 3-1-3 E.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	121	122	132	110	155	150	133	115	84	81	44	64
2	126	123	146	110	176	110	132	118	80	65	42	66
3	123	122	190	110	171	200	129	118	77	80	41	200
4	122	126	169	110	144	187	129	126	74	86	40	168
5	121	121	153	150	140	180	133	125	76	74	38	146
6	121	119	161	156	140	163	136	122	76	76	39	195
7	115	121	155	140	137	161	132	122	71	75	41	133
8	114	118	152	135	137	153	130	116	71	72	38	101
9	119	116	143	153	137	144	130	115	70	66	39	100
10	116	119	149	163	136	144	128	109	68	67	40	105
11	115	116	149	161	135	140	125	107	71	64	43	102
12	115	118	137	168	133	140	125	104	66	58	41	98
13	112	116	144	168	133	137	125	212	68	57	42	122
14	118	114	158	172	133	139	122	130	80	56	51	121
15	112	118	156	166	135	137	125	123	81	49	65	156
16	122	114	153	166	133	135	126	118	84	49	87	153
17	118	116	146	171	133	132	126	115	94	51	77	91
18	114	118	136	164	140	128	125	115	87	46	66	80
19	119	118	139	163	129	147	128	108	84	46	55	76
20	116	121	149	160	130	143	125	104	79	45	52	72
21	115	119	168	158	127	150	123	102	81	41	53	70
22	114	118	164	152	122	155	121	100	95	42	53	74
23	115	121	149	149	120	150	122	98	91	41	53	76
24	118	119	144	149	88	132	119	94	83	41	56	71
25	114	122	130	144	95	129	118	97	88	40	50	75
26	116	123	126	144	102	132	119	93	81	38	53	220
27	114	121	100	147	110	129	118	91	80	40	53	366
28	118	123	100	142	110	129	118	87	71	43	56	180
29	118	123	100	125	.....	130	119	88	67	43	56	123
30	122	122	100	111	.....	132	121	90	66	42	53	112
31	125	.....	100	122	.....	130	.....	87	.....	44	56	.....
Mean	118	120	142	146	131	144	125	111	78	55	51	124
Max.	126	126	190	172	176	200	136	212	95	86	87	366
Min.	112	114	100	110	88	110	118	87	66	38	38	64
A. F.	7240	7110	8720	9000	7300	8860	7460	6840	4650	3410	3120	7370
Total Acre-feet	81,100											

BUFFALO CREEK SOUTH OF ELM CREEK—Sec. 33-9-18 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	45	30	4	3	9	8	5	6	0	0	0	0
2	45	30	4	3	9	8	5	6	1	0	0	0
3	45	30	4	3	9	8	5	25	0	0	0	0
4	45	30	4	3	9	8	5	40	0	0	0	0
5	45	30	4	3	9	8	5	20	0	0	0	0
6	45	20	4	3	9	8	5	15	0	0	0	0
7	45	20	4	3	9	8	5	15	0	0	0	0
8	45	20	4	3	9	8	5	15	0	0	0	0
9	45	20	4	3	9	8	5	15	0	0	0	0
10	45	20	4	3	9	8	5	15	0	0	0	0
11	48	20	4	3	9	8	5	15	0	0	4	0
12	48	20	4	3	9	8	5	15	0	0	4	0
13	48	20	4	3	9	8	5	15	0	0	4	0
14	48	20	4	3	9	8	5	15	0	0	4	0
15	48	20	4	3	9	8	5	15	0	0	4	0
16	67	10	3	3	9	8	5	14	5	4	4	0
17	67	10	3	3	9	8	5	10	5	4	4	0
18	67	10	3	3	9	8	5	8	5	4	4	0
19	67	10	3	3	9	8	5	4	5	4	4	0
20	67	10	3	3	9	8	5	4	5	4	4	0
21	67	10	3	3	8	6	5	2	8	4	5	0
22	67	10	3	3	8	6	5	2	8	4	5	0
23	67	10	3	3	8	6	5	2	7	4	5	0
24	67	10	3	3	8	6	5	2	7	4	5	0
25	67	10	3	3	8	6	5	0	7	4	5	0
26	50	4	3	6	8	6	5	0	5	4	2	0
27	50	4	3	6	8	6	5	0	5	4	2	0
28	50	4	3	6	8	6	5	0	5	4	0	0
29	50	4	3	6	8	6	5	0	2	4	0	0
30	50	4	3	6	8	6	5	0	1	4	0	0
31	50	.....	3	6	.....	6	5	0	.....	4	0	.....
Mean	54	16	3	4	9	7	5	9	3	2	2	0
Max.	67	30	4	6	9	8	5	40	8	4	5	0
Min.	45	4	3	3	8	6	5	0	0	0	0	0
A. F.	3293	932	214	220	484	448	297	585	161	127	137	0
Total Acre-feet	6,898											

BULL DRAIN—Sec. 19-13-28 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4	3	3	3	3	4	3	2	1	1	1	1
2	4	3	3	3	3	4	3	2	1	1	1	1
3	4	3	3	3	3	4	3	2	1	1	1	1
4	4	3	3	3	3	4	3	2	1	1	1	1
5	4	3	3	3	3	4	3	2	1	1	1	1
6	4	3	3	3	3	4	3	2	1	1	1	1
7	4	3	3	3	3	4	3	2	1	1	1	1
8	4	3	3	3	3	4	3	2	1	1	1	1
9	4	3	3	3	3	4	3	2	1	1	1	1
10	4	3	3	3	3	4	3	2	1	1	1	1
11	4	3	3	3	3	4	3	2	2	1	1	1
12	4	3	3	3	3	4	3	2	2	1	1	1
13	4	3	3	3	3	4	3	2	2	1	1	1
14	4	3	3	3	3	4	3	2	2	1	1	1
15	4	3	3	3	3	4	3	2	2	1	1	1
16	4	3	3	3	3	4	3	1	2	1	1	1
17	4	3	3	3	3	4	3	1	2	1	1	1
18	4	3	3	3	3	4	3	1	2	1	1	1
19	4	3	3	3	3	4	3	1	2	2	1	1
20	4	3	3	3	3	4	3	1	2	2	1	1
21	4	3	3	3	3	4	3	1	2	2	1	1
22	4	3	3	3	3	4	3	1	2	2	1	1
23	4	3	3	3	3	4	3	1	2	2	1	1
24	4	3	3	3	3	4	3	1	2	2	1	1
25	4	3	3	3	3	4	3	1	2	2	1	1
26	4	3	3	3	3	4	3	1	1	2	1	1
27	4	3	3	3	3	4	3	1	1	2	1	1
28	4	3	3	3	3	4	3	1	1	2	1	1
29	4	3	3	3	.....	4	3	1	1	2	1	1
30	4	3	3	3	.....	4	3	1	1	2	1	1
31	4	.....	3	3	.....	4	.....	1	.....	2	1	.....
Mean	4	3	3	3	3	4	3	2	2	2	1	1
Max.	4	3	3	3	3	4	3	2	2	2	1	1
Min.	4	3	3	3	3	4	3	1	1	1	1	1
A. F.	246	179	179	184	167	246	179	92	89	92	61	60
Total Acre-feet	1,774											

CAMP CLARK SEEP--Sec. 9-20-51 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	9	4	4	3	2	1	0.5	0	0	0	0	0
2	9	4	4	3	2	1	.5	0	0	0	0	0
3	9	4	4	3	2	1	.5	0	0	0	0	0
4	9	4	4	3	2	1	.5	0	0	0	0	0
5	9	4	4	3	2	1	.5	0	0	0	0	0
6	8	4	4	3	2	1	.5	0	0	0	0	0
7	8	4	4	3	2	1	.5	0	0	0	0	0
8	8	4	4	3	2	1	.5	0	0	0	0	0
9	8	4	4	3	2	1	.5	0	0	0	0	0
10	8	4	4	3	2	1	.5	0	0	0	0	0
11	8	4	4	3	2	1	.5	0	0	0	0	0
12	7	4	4	3	2	1	.5	0	0	0	0	0
13	7	4	4	3	2	1	.5	0	0	0	0	0
14	7	4	4	3	2	1	.5	0	0	0	0	0
15	7	4	4	3	2	1	.5	0	0	0	0	0
16	7	4	3	3	2	1	.5	0	0	0	0	0
17	7	4	3	3	2	1	.5	0	0	0	0	0
18	7	4	3	3	2	1	.5	0	0	0	0	0
19	7	4	3	3	2	1	.5	0	0	0	0	0
20	7	4	3	3	2	1	.5	0	0	0	0	0
21	6	4	3	3	2	1	.5	0	0	0	0	0
22	6	4	3	3	2	1	.5	0	0	0	0	0
23	6	4	3	3	2	1	.5	0	0	0	0	0
24	6	4	3	3	2	1	.5	0	0	0	0	0
25	6	4	3	3	2	1	.5	0	0	0	0	0
26	5	4	3	3	2	1	.5	0	0	0	0	0
27	5	4	3	3	2	1	.5	0	0	0	0	0
28	5	4	3	3	2	1	.5	0	0	0	0	0
29	5	4	3	3	.....	1	.5	0	0	0	0	0
30	5	4	3	3	.....	1	.5	0	0	0	0	0
31	5	.....	3	3	.....	1	.....	0	.....	0	0	.....
Mean	6	4	4	3	2	1	0.5	0	0	0	0	0
Max.	9	4	4	3	2	1	.5	0	0	0	0	0
Min.	5	4	3	3	2	1	.5	0	0	0	0	0
A. F.	393	238	214	184	111	61	30.0	0	0	0	0	0
Total Acre-feet	1,231											

CEDAR CREEK--Sec. 11-18-48 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	20	13	14	13	14	15	12	5	5	3	4	7
2	20	13	14	13	14	15	12	5	5	2	3	3
3	20	13	14	13	14	15	12	5	4	2	3	2
4	20	13	14	13	14	15	12	5	4	2	2	2
5	20	13	14	13	14	15	12	5	3	10	2	5
6	19	13	15	13	13	15	12	5	4	10	3	4
7	19	13	15	13	13	15	12	5	4	7	3	5
8	19	13	15	13	13	15	12	5	7	2	2	6
9	19	13	15	13	13	15	12	5	4	2	3	4
10	19	13	15	13	13	15	12	5	3	2	3	2
11	19	13	16	13	13	14	12	5	4	2	3	3
12	19	13	16	13	13	14	12	5	4	2	3	4
13	19	13	17	13	13	14	12	5	4	2	3	4
14	19	13	15	13	13	14	12	5	4	2	3	4
15	19	13	15	13	13	14	12	5	8	2	3	3
16	19	13	13	14	13	14	10	4	6	2	3	3
17	19	13	13	14	13	14	10	4	1	3	3	3
18	19	13	13	14	13	14	10	4	3	2	2	3
19	19	13	13	14	13	14	10	3	4	2	3	3
20	19	13	13	14	13	14	10	3	8	3	3	2
21	13	14	13	14	13	13	5	3	18	3	3	2
22	13	14	13	14	13	13	5	3	19	2	3	2
23	13	14	13	14	13	13	5	3	18	2	3	2
24	13	14	13	14	13	13	5	2	8	2	3	2
25	13	14	13	14	13	13	5	2	4	2	3	3
26	13	14	13	14	13	13	5	3	19	2	3	3
27	13	14	13	14	13	13	5	3	3	2	3	3
28	13	14	13	14	13	13	5	4	11	4	3	3
29	13	14	13	15	.....	13	5	3	8	3	3	2
30	13	14	13	15	.....	13	5	3	3	4	3	2
31	13	.....	13	15	.....	13	.....	3	.....	9	11	.....
Mean	17	13	14	14	13	14	9	4	7	3	3	3
Max.	20	14	17	15	14	15	12	5	19	10	11	7
Min.	13	13	13	13	13	13	5	2	1	2	2	2
A. F.	1047	793	857	837	732	859	555	252	397	196	194	190
Total Acre-feet	6,909											

CEDAR BRANCH CREEK NEAR NEVENS—Sec. 17-14-35 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2	2	2	2	3	2	2	2	2	2	2	2
2	2	2	2	2	3	2	2	2	2	2	2	2
3	2	2	2	2	3	2	2	2	2	2	2	2
4	2	2	2	2	3	2	2	2	2	2	2	2
5	2	2	2	2	3	2	2	2	2	2	2	2
6	2	2	2	2	3	2	2	2	2	2	2	2
7	2	2	2	2	3	2	2	2	2	2	2	2
8	2	2	2	2	3	2	2	2	2	2	2	2
9	2	2	2	2	3	2	2	2	2	2	2	2
10	2	2	2	2	3	2	2	2	2	2	2	2
11	2	2	2	2	3	2	2	2	2	2	2	2
12	2	2	2	2	3	2	2	2	2	2	2	2
13	2	2	2	2	3	2	2	2	2	2	2	2
14	2	2	2	2	3	2	2	2	2	2	2	2
15	2	2	2	2	3	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	3	2	2	2	2	2	2	1	2
22	2	2	2	3	2	2	2	2	2	2	1	2
23	2	2	2	3	2	2	2	2	2	2	1	2
24	2	2	2	3	2	2	2	2	2	2	1	2
25	2	2	2	3	2	2	2	2	2	2	1	2
26	2	2	2	3	2	2	2	2	2	2	1	2
27	2	2	2	3	2	2	2	2	2	2	1	2
28	2	2	2	3	2	2	2	2	2	2	1	2
29	2	2	2	3	.....	2	2	2	2	2	1	2
30	2	2	2	3	.....	2	2	2	2	2	1	2
31	2	.....	2	3	.....	2	.....	2	.....	2	1	.....
Mean	2	2	2	2	3	2	2	2	2	2	2	2
Max.	2	2	2	3	3	2	2	2	2	2	2	2
Min.	2	2	2	2	2	2	2	2	2	2	1	2
A. F.	123	119	123	145	141	123	119	123	119	123	101	119
Total Acre-feet	1,478											

CLEAR CREEK—Sec. 5-15-41 W.
Year Ending September 30, 1934

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1	8	10	10	9	9	8	10	3	10	0	8
2	1	8	10	10	9	9	8	10	3	10	0	8
3	1	8	10	10	9	9	8	10	3	10	0	8
4	1	8	10	10	9	9	8	10	3	10	0	3
5	1	8	10	10	9	9	9	10	3	10	0	0
6	1	10	10	12	9	5	5	10	3	10	0	3
7	1	10	10	12	9	5	5	10	3	10	0	7
8	2	10	10	12	9	5	5	10	3	10	0	2
9	2	10	10	13	9	5	5	10	0	1	0	0
10	2	10	10	12	9	5	5	10	0	10	0	0
11	4	10	10	12	9	5	5	10	9	6	0	0
12	4	10	10	12	9	5	5	10	12	2	1	0
13	4	10	10	12	9	5	1	10	12	6	1	10
14	4	10	10	12	9	5	3	10	12	3	1	10
15	4	10	10	12	9	5	3	10	12	3	1	10
16	6	10	10	10	9	5	3	3	9	5	0	10
17	6	10	10	10	9	5	3	3	6	0	0	9
18	6	10	10	10	9	5	3	3	7	0	0	8
19	6	10	10	10	9	5	3	3	6	0	0	4
20	6	10	10	10	9	5	3	3	2	0	0	4
21	8	10	10	10	9	5	3	3	6	0	0	2
22	8	10	10	10	9	5	3	3	10	0	0	3
23	8	10	10	10	9	5	3	3	10	0	0	3
24	8	10	10	10	9	5	3	3	10	0	0	4
25	8	10	10	10	9	5	3	3	9	0	0	4
26	8	10	10	10	9	5	3	0	4	0	0	6
27	8	10	10	10	9	5	5	0	4	0	0	10
28	8	10	10	10	9	5	5	6	8	0	0	8
29	8	10	10	10	.....	5	5	8	10	0	0	8
30	8	10	10	10	.....	5	5	7	10	0	0	6
31	8	.....	10	10	.....	5	.....	6	.....	0	0	.....
Mean	5	10	10	11	9	6	5	7	6	4	0.1	5
Max.	8	10	10	13	9	9	9	10	12	10	1.0	10
Min.	1	8	10	10	9	5	1	0	0	0	.0	0
A. F.	313	575	615	657	500	347	270	411	381	230	8.0	313
Total Acre-feet	4,620											

CLEVELAND DRAIN—Sec. 6-20-52 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3	1	1	0.8	0.5	1	1	12	4	4	2	8
2	3	1	1	.8	.5	1	1	12	4	5	2	8
3	3	1	1	.8	.5	1	1	12	4	6	3	9
4	3	1	1	.8	.5	1	1	12	5	8	5	9
5	3	1	1	.8	.5	1	1	10	8	9	3	9
6	2	1	1	.8	.5	1	1	10	12	11	7	9
7	2	1	1	.8	.5	1	1	10	10	6	6	8
8	2	1	1	.8	.5	1	1	10	6	6	2	7
9	2	1	1	.8	.5	1	1	10	6	9	2	6
10	2	1	1	.8	.5	1	1	10	10	12	4	4
11	2	1	1	.8	.5	1	1	5	7	7	7	11
12	1	1	1	.8	.5	1	1	5	8	7	4	10
13	1	1	1	.8	.5	1	1	5	4	8	6	9
14	1	1	1	.8	.5	1	1	5	6	7	6	4
15	1	1	1	.8	.5	1	1	5	11	6	4	6
16	1	1	1	.8	.5	1	1	5	6	6	9	4
17	1	1	1	.8	.5	1	1	2	9	3	7	3
18	1	1	1	.8	.5	1	1	2	6	6	10	4
19	1	1	1	.8	.5	1	1	3	10	6	6	6
20	1	1	1	.8	.5	1	1	2	10	7	6	8
21	1	1	1	.8	.5	1	1	2	5	3	2	8
22	1	1	1	.8	.5	1	1	1	7	7	2	8
23	1	1	1	.8	.5	1	1	1	7	3	7	8
24	1	1	1	.8	.5	1	1	1	5	5	5	8
25	1	1	1	.8	.5	1	1	1	8	3	8	8
26	1	1	1	.8	.5	1	1	1	10	2	9	8
27	1	1	1	.8	.5	1	1	2	4	3	8	6
28	1	1	1	.8	.5	1	1	2	5	4	9	8
29	1	1	1	.8	.5	1	1	2	4	2	9	7
30	1	1	1	.8	.....	1	1	2	4	2	9	9
31	1	1	1	.8	.....	1	1	3	.....	2	7	.....
Mean	2	.....	1	1.0	1.0	1	1	5	7	6	6	7
Max.	3	1	1	.8	.5	1	1	12	12	12	10	11
Min.	1	1	1	.8	.5	1	1	1	4	2	2	3
A. F.	93	60	61	49.0	28.0	61	60	327	407	347	349	438
Total Acre-feet	2,280											

COLD WATER CREEK—Sec. 34-18-46 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0.3	1	2	3	2	2	2	0	1	3.0	0.3	0.2
2	.3	1	2	3	2	2	2	0	1	3.0	.3	.2
3	.3	1	2	3	2	2	2	6	1	3.0	.3	.2
4	.3	1	2	3	2	2	2	6	1	3.0	.3	.2
5	.3	1	2	3	2	2	2	6	1	3.0	.3	.2
6	.3	1	2	3	2	2	2	6	1	3.0	.3	.2
7	.3	1	2	3	2	2	2	6	1	3.0	.3	.2
8	.3	1	2	3	2	2	2	6	1	3.0	.3	.2
9	.3	1	2	3	2	2	2	6	1	3.0	.3	.2
10	.3	1	2	3	2	2	2	4	1	3.0	.3	.2
11	.3	1	2	3	2	2	2	4	1	3.0	.3	.2
12	.3	1	2	3	2	2	2	4	4	3.0	3.0	2.0
13	.3	1	2	3	2	2	2	4	4	3.0	3.0	2.0
14	.3	1	2	3	2	2	2	4	4	3.0	3.0	2.0
15	.3	1	2	3	2	2	2	4	4	3.0	.3	2.0
16	.3	1	2	3	2	2	2	1	1	3.0	.3	2.0
17	.3	1	2	3	2	2	2	1	1	3.0	.3	2.0
18	.3	1	2	3	2	2	2	1	1	.5	.3	.2
19	.3	1	2	3	2	2	2	1	1	.5	.3	.2
20	.3	1	2	3	2	2	2	1	1	.5	.3	.2
21	.3	1	2	3	2	2	2	1	1	.5	.3	.2
22	.3	1	2	3	2	2	2	1	3	.5	.3	.2
23	.3	1	2	3	2	2	2	1	3	.5	.3	.2
24	.3	1	2	3	2	2	2	1	3	.5	.3	.2
25	.3	1	2	3	2	2	2	1	3	.5	.3	.2
26	.3	1	2	3	2	2	2	1	3	.5	.3	.2
27	.3	1	2	3	2	2	2	1	3	.5	.3	.2
28	.3	1	2	3	2	2	2	1	3	.5	.3	.2
29	.3	1	2	3	2	2	2	1	3	.5	.3	.2
30	.3	1	2	3	.....	2	2	1	3	.5	.3	.2
31	.3	.....	2	3	.....	2	2	.....	.....	.5	.3	.....
Mean	0.3	1	2	3	2	2	2	3	2	1.9	0.6	0.2
Max.	.3	1	2	3	2	2	2	6	4	3.0	3.0	2.0
Min.	.3	1	2	3	2	2	2	0	1	.5	.3	.2
A. F.	18.0	60	123	184	111	123	119	175	119	115.0	35.0	12.0
Total Acre-feet	1,194											

DAWSON COUNTY DRAIN--Sec. 25-10-23 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7	4	3	5	3	2	2	1	2	1	0	0
2	7	4	3	5	3	2	2	1	2	1	0	0
3	7	4	3	5	3	2	2	1	2	1	0	0
4	7	4	3	5	3	2	2	1	2	1	0	0
5	7	4	3	5	3	2	2	1	2	1	0	0
6	6	4	3	5	3	2	1	1	2	1	0	0
7	6	4	3	5	3	2	1	1	2	1	0	0
8	6	4	3	5	3	2	1	1	2	1	0	0
9	6	4	3	5	3	2	1	1	2	1	0	0
10	6	4	3	5	3	2	1	1	2	1	0	0
11	5	3	3	4	3	2	1	2	2	1	0	0
12	5	3	3	4	3	2	1	2	2	1	0	0
13	5	3	3	4	3	2	1	2	2	1	0	0
14	5	3	3	4	3	2	1	2	2	1	0	0
15	5	3	3	4	3	2	1	2	2	1	0	0
16	4	3	3	4	2	2	1	2	2	1	0	0
17	4	3	3	4	2	2	1	2	2	1	0	0
18	4	3	3	4	2	2	1	2	2	1	0	0
19	4	3	3	4	2	2	1	2	2	1	0	0
20	4	3	3	4	2	2	1	2	2	1	0	0
21	4	3	4	3	2	2	1	3	2	1	0	0
22	4	3	4	3	2	2	1	3	2	1	0	0
23	4	3	4	3	2	2	1	3	2	1	0	0
24	4	3	4	3	2	2	1	3	2	1	0	0
25	4	3	4	3	2	2	1	3	2	1	0	0
26	4	3	4	3	2	2	1	3	2	1	0	0
27	4	3	4	3	2	2	1	3	2	1	0	0
28	4	3	4	3	2	2	1	3	2	1	0	0
29	4	3	4	3	.....	2	1	3	2	1	0	0
30	4	3	4	3	.....	2	1	3	2	1	0	0
31	4	.....	4	3	.....	2	.....	3	.....	1	0	.....
Mean	5	3	3	4	3	2	1	2	2	1	0	0
Max.	7	4	4	5	3	2	2	3	2	1	0	0
Min.	4	3	3	3	2	2	1	1	2	1	0	0
A. F.	317	198	206	244	141	123	69	125	119	61	0	0
Total Acre-feet	1,603											

DEGRAW DRAIN--Sec. 24-20-51 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	11	8	6	6	5	4	4	3	2	1	2	2
2	11	8	6	6	5	4	4	3	2	1	2	2
3	11	8	6	6	5	4	4	3	2	1	2	2
4	11	8	6	6	5	4	4	3	2	1	2	2
5	11	8	6	6	5	4	4	3	2	1	2	2
6	11	8	6	6	5	4	4	3	2	1	2	2
7	11	8	6	6	5	4	4	3	2	1	2	2
8	11	8	6	6	5	4	4	3	2	1	2	2
9	11	8	6	6	5	4	4	3	2	1	2	2
10	11	8	6	6	5	4	4	3	2	1	2	2
11	10	8	6	6	5	4	4	3	2	1	2	2
12	10	8	6	6	5	4	4	3	2	1	2	2
13	10	8	6	6	5	4	4	3	2	1	2	2
14	10	8	6	6	5	4	4	3	2	1	2	2
15	10	8	6	6	5	4	4	3	2	1	2	2
16	10	7	6	6	5	4	4	3	2	1	2	2
17	10	7	6	6	5	4	4	3	2	1	2	2
18	10	7	6	6	5	4	4	3	2	1	2	2
19	10	7	6	6	5	4	4	3	2	1	2	2
20	10	7	6	6	5	4	4	3	2	1	2	2
21	9	7	6	6	5	4	4	3	2	1	2	2
22	9	7	6	6	5	4	4	3	2	1	2	2
23	9	7	6	6	5	4	4	3	2	1	2	2
24	9	7	6	6	5	4	4	3	2	1	2	2
25	9	7	6	6	5	4	4	3	2	1	2	2
26	9	7	6	6	5	4	4	3	2	1	2	2
27	9	7	6	6	5	4	4	3	2	1	2	2
28	9	7	6	6	5	4	4	3	2	1	2	2
29	9	7	6	6	.....	4	4	3	2	1	2	2
30	9	7	6	6	.....	4	4	3	2	1	2	2
31	9	.....	6	6	.....	4	.....	2	.....	1	2	.....
Mean	10	8	6	6	5	4	4	3	2	1	2	2
Max.	11	8	6	6	5	4	4	3	3	1	2	2
Min.	9	7	6	6	5	4	4	3	2	1	2	2
A. F.	615	446	369	339	278	246	198	123	129	61	123	119
Total Acre-feet	3,046											

DUGOUT CREEK, UPPER—Sec. 21-20-50 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	15	10	7	5	3	3	2	1.0	0.8	2.0	0.6	0.6
2	15	10	7	5	3	3	2	1.0	2.0	2.0	.5	.8
3	12	9	7	5	3	3	2	1.0	12.0	2.0	.7	.8
4	12	9	7	5	3	3	2	1.0	2.0	2.0	.6	1.0
5	12	9	7	5	3	3	2	1.0	2.0	2.0	.5	.6
6	12	8	7	5	3	3	2	1.0	.9	2.0	2.0	.6
7	12	8	7	5	3	3	2	1.0	1.0	2.0	3.0	.5
8	12	9	7	5	3	3	2	1.0	.9	2.0	2.0	.3
9	12	9	7	5	3	3	2	1.0	1.0	1.0	25.0	.6
10	12	9	7	5	3	3	2	1.0	2.0	1.0	75.0	.8
11	12	9	6	5	3	3	1	1.0	1.0	1.0	4.0	.5
12	11	9	6	5	3	3	1	1.0	2.0	1.0	3.0	.3
13	12	9	6	5	3	3	1	1.0	2.0	1.0	2.0	.1
14	12	9	6	5	3	3	1	1.0	1.0	1.0	2.0	.1
15	12	8	6	5	3	3	1	1.0	6.0	1.0	1.0	.3
16	12	8	6	4	3	2	1	1.0	4.0	.7	3.0	.3
17	12	8	6	4	3	2	1	.8	22.0	.5	2.0	.2
18	12	8	6	4	3	2	1	.8	7.0	.4	2.0	.2
19	12	8	6	4	3	2	1	.7	3.0	.4	2.0	.1
20	12	8	6	4	3	2	1	.6	2.0	.7	1.0	.1
21	12	7	6	4	3	2	1	.6	2.0	.2	.8	.1
22	11	7	6	4	3	2	1	.6	2.0	.2	1.0	.2
23	11	7	6	4	3	2	1	.6	2.0	.6	2.0	.1
24	10	7	6	4	3	2	1	.6	3.0	2.0	2.0	.2
25	10	7	6	4	3	2	1	.6	2.0	1.0	1.0	.2
26	10	7	6	3	2	2	1	2.0	2.0	.8	1.0	.4
27	10	7	6	3	2	2	1	2.0	2.0	.4	1.0	.3
28	10	7	6	3	2	2	1	2.0	2.0	.4	.7	.2
29	10	7	6	3	.....	2	1	.6	2.0	.4	.6	.2
30	10	7	6	3	.....	2	1	.6	2.0	2.0	1.0	.2
31	.....	.....	6	3	.....	2	.....	.9	.....	.4	.5	.....
Mean	12	8	6	4	3	3	1	1.0	3.2	1.1	4.6	0.4
Max.	15	10	7	5	3	3	2	2.0	22.0	2.0	75.0	1.0
Min.	10	7	6	3	2	2	1	.6	.8	.2	.5	.1
A. F.	712	476	389	264	161	153	79	60.0	188.0	68.0	285.0	22.0
Total Acre-feet	2,857											

ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	91	119	*	*	*	204	224	131	67	60	23	26
2	88	110	.....	.....	.....	207	223	124	68	55	22	39
3	87	109	.....	.....	.....	260	415	170	68	60	20	71
4	92	112	.....	.....	.....	252	275	214	67	71	19	68
5	93	117	.....	.....	.....	224	248	210	68	71	19	60
6	93	121	.....	.....	.....	194	237	191	79	79	19	55
7	91	119	.....	.....	.....	188	228	180	84	82	21	52
8	92	117	.....	.....	*	175	217	172	149	70	20	49
9	95	117	.....	.....	137	164	208	156	114	74	22	52
10	98	116	.....	.....	*	154	197	149	95	78	29	58
11	100	114	.....	.....	.....	148	184	144	96	74	31	64
12	101	116	.....	.....	.....	196	167	138	91	68	30	62
13	105	119	.....	.....	.....	191	156	133	84	58	31	61
14	109	123	.....	.....	.....	180	159	131	117	54	29	66
15	109	121	.....	.....	.....	167	162	128	126	51	33	59
16	107	123	.....	.....	.....	158	158	123	102	47	34	59
17	106	120	.....	.....	.....	141	159	113	106	44	33	59
18	107	121	.....	.....	.....	124	156	107	104	41	32	58
19	110	119	.....	.....	.....	167	148	105	98	37	32	57
20	110	120	.....	.....	.....	178	144	100	101	34	30	56
21	110	123	.....	.....	.....	172	142	96	90	30	30	60
22	109	128	.....	.....	.....	178	145	95	83	25	28	66
23	112	134	.....	.....	.....	186	142	98	79	23	30	66
24	110	138	.....	.....	.....	180	141	98	73	22	32	85
25	113	140	.....	.....	.....	176	140	93	66	24	36	83
26	114	134	.....	.....	.....	189	138	91	61	26	35	80
27	116	134	.....	.....	.....	184	134	86	53	28	32	78
28	117	134	.....	.....	*	199	135	83	49	28	28	74
29	116	133	.....	.....	.....	210	131	82	63	28	28	74
30	119	131	.....	.....	.....	194	133	78	74	26	27	72
31	119	.....	*	*	.....	199	.....	72	.....	25	26	.....
Mean	104	123	†140	†135	†150	185	182	126	858	48	28	62
Max.	119	140	*	*	*	260	415	214	149	82	36	85
Min.	87	109	*	*	*	124	131	72	49	22	19	26
A. F.	6420	7300	†8610	†8300	†8330	11380	10800	7720	5110	2960	1710	3710
Total Acre-feet	82,400											

* No record.
† Estimated.

ELKHORN RIVER AT WATERLOO—Sec. 10-15-10 E.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	303	380	*	*	616	600	662	404	249	271	147	180
2	303	388	.....	.....	616	600	676	400	237	266	144	543
3	299	392	.....	.....	616	600	730	388	225	269	138	335
4	229	392	.....	.....	616	963	840	388	223	309	132	264
5	296	412	.....	.....	616	1120	1300	388	232	289	126	365
6	289	388	.....	.....	650	892	1020	380	232	271	122	303
7	296	384	.....	.....	650	788	915	371	465	309	130	252
8	292	380	.....	.....	650	723	963	368	1890	374	132	230
9	296	376	.....	.....	650	669	855	365	7040	284	127	218
10	306	384	.....	.....	650	618	772	388	3770	2620	121	223
11	306	388	.....	.....	720	624	716	388	2850	2010	122	211
12	303	388	.....	.....	720	618	669	365	1680	1520	126	228
13	303	384	.....	.....	720	624	634	353	1160	1350	124	242
14	313	388	.....	.....	720	582	608	350	896	782	121	223
15	320	380	.....	.....	720	564	595	359	688	517	124	205
16	324	384	.....	.....	765	559	576	338	621	408	134	196
17	328	376	.....	.....	695	548	562	326	628	347	132	205
18	328	388	.....	.....	688	515	556	314	595	303	134	209
19	338	396	.....	.....	570	520	530	306	628	279	132	203
20	346	400	.....	.....	542	515	488	292	569	252	132	198
21	342	400	.....	.....	510	559	484	282	434	225	130	203
22	342	404	.....	.....	490	542	472	271	424	209	129	205
23	342	404	.....	.....	400	570	465	271	408	194	130	211
24	346	420	.....	.....	400	548	447	271	353	188	135	228
25	350	416	.....	.....	400	570	438	271	368	178	135	232
26	350	420	.....	.....	250	576	434	269	320	176	132	306
27	353	420	.....	.....	250	576	424	261	298	172	130	530
28	365	420	.....	.....	250	570	424	256	279	167	129	424
29	361	420	.....	.....	.....	570	424	256	271	167	127	380
30	372	408	.....	.....	.....	630	416	252	269	163	130	317
31	376	.....	*	*	.....	.....	.....	.....	.....	.....	.....	.....
Mean	325	396	†450	†400	576	632	636	327	943	485	131	269
Max.	376	420	*	*	765	1120	1300	404	7040	2620	147	543
Min.	289	376	*	*	250	515	416	247	223	154	121	180
A. F.	20010	23560	†27670	†24600	32010	38840	37870	20110	56140	29800	8040	16000

Total Acre-feet 335,000
 * No record.
 † Estimated.

ELM CREEK SOUTH OF ELM CREEK—Sec. 33-9-18 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	25	3	1	0	0	0	0	0	0	3	0	0
2	25	3	1	0	0	0	0	0	0	3	0	0
3	25	3	1	0	0	0	0	0	0	3	0	0
4	25	3	1	0	0	0	0	0	0	3	0	0
5	25	3	1	0	0	0	0	0	0	3	0	0
6	20	3	1	0	0	0	0	0	3	1	0	0
7	15	3	1	0	0	0	0	0	3	1	0	0
8	10	3	1	0	0	0	0	0	3	1	0	0
9	5	3	1	0	0	0	0	0	3	1	0	0
10	2	3	1	0	0	0	0	0	3	1	0	0
11	1	3	1	0	0	0	0	0	3	0	0	0
12	1	3	1	0	0	0	0	0	3	0	0	0
13	1	3	1	0	0	0	0	0	3	0	0	0
14	1	3	1	0	0	0	0	0	3	0	0	0
15	1	3	1	0	0	0	0	0	3	0	0	0
16	5	3	0	0	0	0	0	0	3	0	0	0
17	5	3	0	0	0	0	0	0	3	0	0	0
18	5	3	0	0	0	0	0	0	3	0	0	0
19	5	3	0	0	0	0	0	0	3	0	0	0
20	5	3	0	0	0	0	0	0	3	0	0	0
21	5	3	0	0	0	0	0	0	10	0	0	0
22	5	3	0	0	0	0	0	0	27	0	0	0
23	5	3	0	0	0	0	0	0	13	0	0	0
24	5	3	0	0	0	0	0	0	8	0	0	0
25	5	3	0	0	0	0	0	0	8	0	0	0
26	5	3	0	0	0	0	0	0	7	0	0	0
27	5	3	0	0	0	0	0	0	7	0	0	0
28	5	3	0	0	0	0	0	0	7	0	0	0
29	5	3	0	0	.....	0	0	0	7	0	0	0
30	5	3	0	0	.....	0	0	0	5	0	0	0
31	5	.....	0	0	.....	0	.....	0	.....	0	0	.....
Mean	8	3	1	0	0	0	0	0	4	1	0	0
Max.	25	3	1	0	0	0	0	0	27	3	0	0
Min.	1	3	0	0	0	0	0	0	0	0	0	0
A. F.	520	178	30	0	0	0	0	0	285	40	0	0

Total Acre-feet 1,053

FAIRFIELD SEEP--Sec. 18-21-53 W.

DATE	Year Ending September 30, 1934								JUNE	JULY	AUG.	SEPT.
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY				
1	1	1	1	0	1	0	1	0	0.4	0.4	0.3	0.3
2	1	1	1	0	1	0	1	0	.4	.4	.3	.3
3	1	1	1	0	1	0	1	0	.4	.4	.3	.3
4	1	1	1	0	1	0	1	0	.4	.4	.3	.3
5	1	1	1	0	1	0	1	0	.4	.4	.3	.3
6	1	1	1	0	1	0	1	0	.4	.4	.3	.3
7	1	1	1	0	1	0	1	1	.4	.4	.3	.3
8	1	1	1	0	1	0	1	1	.4	.4	.3	.3
9	1	1	1	0	1	0	1	1	.4	.4	.3	.3
10	1	1	1	0	1	0	1	1	.4	.4	.3	.3
11	1	1	1	0	1	0	1	1	.4	.4	.3	.3
12	1	1	1	0	0	0	1	1	.4	.4	.3	.3
13	1	1	1	0	0	0	1	1	.4	.4	.3	.3
14	1	1	1	0	0	0	1	1	.4	.4	.3	.3
15	1	1	1	0	0	0	1	1	.4	.4	.3	.3
16	1	1	1	1	0	0	0	1	.4	.4	.3	.5
17	1	1	1	1	0	0	0	1	.4	.4	.3	.5
18	1	1	1	1	0	0	0	1	.4	.4	.3	.5
19	1	1	1	1	0	0	0	1	.4	.4	.3	.5
20	1	1	1	1	0	0	0	1	.4	.4	.3	.5
21	1	1	1	1	0	0	0	1	.4	.4	.3	.5
22	1	1	1	1	0	1	0	1	.4	.4	.3	.5
23	1	1	1	1	0	1	0	1	.4	.4	.3	.5
24	1	1	1	1	0	1	0	1	.4	.4	.3	.5
25	1	1	1	1	0	1	0	1	.4	.4	.3	.5
26	1	1	0	1	0	1	0	1	.4	.4	.3	.5
27	1	1	0	1	0	1	0	1	.4	.4	.3	.5
28	1	1	0	1	0	1	0	1	.4	.4	.3	.5
29	1	1	0	1	-----	1	0	1	.4	.4	.3	.5
30	1	1	0	1	-----	1	0	1	.4	.4	.3	.5
31	1	-----	0	1	-----	1	-----	1	-----	.4	.3	-----
Mean	1	1	1	1	0.4	0.3	1	1	0.4	0.4	0.3	0.4
Max.	1	1	1	1	1.0	1.0	1	1	.4	.4	.3	.5
Min.	1	1	0	0	.0	.0	0	0	.4	.4	.3	.3
A. F.	61	60	49	31	22.0	18.0	30	49	30.0	25.0	18.0	24.0
Total Acre-feet	417											

FANNING SEEP--Sec. 28-23-56 W.

DATE	Year Ending September 30, 1934								JUNE	JULY	AUG.	SEPT.
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY				
1	6	6	6	5	4	3	2	4	3	3	3	2
2	6	6	6	5	4	3	2	4	3	3	3	2
3	6	6	6	5	4	3	2	4	3	3	3	2
4	6	6	6	5	4	3	2	4	3	3	3	2
5	6	6	6	5	4	3	2	4	3	3	3	2
6	6	6	6	4	4	3	2	4	2	3	3	2
7	6	6	6	4	4	3	2	4	2	3	3	2
8	6	6	6	4	4	3	2	4	2	3	3	2
9	6	6	6	4	4	3	2	4	2	3	3	2
10	6	6	6	4	4	3	2	4	2	3	3	2
11	6	6	6	4	4	3	2	4	2	3	3	3
12	6	6	6	4	4	3	2	4	2	3	3	3
13	6	6	6	4	4	3	2	4	2	3	3	3
14	6	6	6	4	4	3	2	4	2	3	3	3
15	6	6	6	4	4	3	2	4	2	3	3	3
16	6	6	5	4	4	3	2	3	2	3	2	3
17	6	6	5	4	4	3	2	3	2	3	2	3
18	6	6	5	4	4	3	2	3	2	3	2	3
19	6	6	5	4	4	3	2	3	2	3	2	3
20	6	6	5	4	4	3	2	3	2	3	2	3
21	6	6	5	4	4	3	2	3	2	3	2	3
22	6	6	5	4	4	3	2	3	2	3	2	3
23	6	6	5	4	4	3	2	3	2	3	2	3
24	6	6	5	4	4	3	2	3	2	3	2	3
25	6	6	5	4	4	3	2	3	2	3	2	3
26	6	6	5	4	3	2	2	3	2	3	2	3
27	6	6	5	4	3	2	2	3	2	3	2	3
28	6	6	5	4	3	2	2	3	2	3	2	3
29	6	6	5	4	-----	2	2	3	2	3	2	3
30	6	6	5	4	-----	2	2	3	2	3	2	3
31	6	-----	5	4	-----	2	-----	3	-----	3	2	-----
Mean	6	6	5	4	4	3	2	4	2	3	3	3
Max.	6	6	6	5	4	3	2	4	3	3	3	3
Min.	6	6	5	4	3	2	2	3	2	3	2	2
A. F.	369	357	337	256	216	173	119	214	129	184	153	159
Total Acre-feet	2,666											

FRENCHMAN RIVER NEAR CHAMPION—Sec. 19-6-39 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	32	28	24	44	32	38	36	14	13	28	30	15
2	33	28	30	42	30	36	34	15	13	28	30	16
3	33	28	26	40	28	38	33	21	13	28	28	16
4	34	28	26	40	27	32	34	21	11	28	27	14
5	32	30	27	42	28	17	36	22	11	28	26	14
6	30	32	26	42	28	20	36	20	11	30	24	14
7	30	33	26	42	30	21	33	16	11	30	24	14
8	30	27	24	40	27	22	21	15	11	30	22	14
9	30	27	24	40	21	24	22	14	16	30	22	17
10	32	27	24	42	30	24	21	14	21	30	24	21
11	32	26	24	44	30	26	21	14	14	30	32	26
12	30	24	34	42	30	27	22	14	14	30	21	22
13	30	22	34	40	30	24	22	15	14	28	20	18
14	33	22	33	40	28	24	18	18	20	28	20	17
15	30	24	33	40	27	26	18	17	74	28	14	17
16	30	26	34	40	27	21	18	15	358	30	33	17
17	28	27	34	40	32	18	17	15	499	30	13	17
18	30	30	34	40	34	21	15	15	177	32	15	18
19	30	28	34	40	30	21	14	16	96	20	17	17
20	30	28	34	39	30	20	15	16	60	11	17	18
21	32	26	34	36	44	20	16	17	60	12	17	18
22	32	26	34	30	46	21	14	21	39	13	18	18
23	30	26	34	30	44	21	12	28	46	13	20	18
24	28	26	34	30	40	21	13	34	45	20	18	18
25	28	24	34	30	39	21	14	30	38	20	18	18
26	28	22	36	30	39	21	14	24	36	16	21	18
27	28	22	33	30	38	21	14	33	36	15	28	18
28	39	26	42	30	39	21	14	50	34	24	21	18
29	32	22	39	30	.....	21	14	26	32	30	17	18
30	30	20	40	30	.....	36	14	11	27	30	14	18
31	21	.....	40	30	.....	38	.....	12	.....	30	15	.....
Mean	31	26	32	37	32	25	21	20	62	25	22	17
Max.	31	33	42	44	46	38	36	50	499	32	33	26
Min.	28	20	24	30	21	17	12	11	11	11	13	14
A. F.	1870	1560	1950	2290	1800	1510	1240	1220	3670	1550	1320	1040
Total Acre-feet	21,000											

FRENCHMAN RIVER NEAR HAMLET—Sec. 19-5-34 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	100	106	116	112	114	142	129	85	84	88	59	90
2	100	105	122	111	128	136	129	80	74	82	72	83
3	100	102	119	116	110	137	123	86	74	72	73	91
4	100	102	119	118	108	138	120	90	94	67	64	84
5	100	104	115	118	108	142	125	86	83	67	67	77
6	100	104	115	119	105	139	125	91	74	67	65	80
7	100	100	117	118	109	136	121	91	70	68	60	79
8	98	107	112	119	109	134	120	89	72	68	67	78
9	98	104	111	115	109	134	119	86	68	69	71	130
10	98	104	109	118	112	132	114	88	71	69	88	97
11	98	103	112	118	110	134	112	83	81	70	92	96
12	98	104	107	117	111	136	111	81	95	70	80	85
13	98	103	104	118	109	133	107	85	89	71	99	90
14	98	102	114	119	114	135	104	83	189	72	81	91
15	100	105	113	120	113	133	108	91	406	70	98	90
16	98	108	112	113	112	133	110	80	188	68	84	92
17	98	108	110	118	113	132	102	84	127	68	80	87
18	98	108	111	115	115	134	99	84	178	70	73	85
19	98	109	109	116	116	138	97	83	301	69	76	81
20	95	111	108	116	111	131	95	80	333	69	72	89
21	98	106	111	116	117	133	93	78	188	68	64	88
22	95	110	108	117	118	134	96	81	150	63	63	83
23	100	110	110	114	117	135	91	79	129	60	73	90
24	97	110	110	115	120	131	86	90	116	61	70	86
25	100	110	111	115	122	131	80	84	105	57	72	90
26	100	108	101	109	107	131	86	84	100	60	72	84
27	100	112	95	110	119	132	84	87	97	61	140	92
28	100	108	104	109	138	133	80	88	96	64	113	94
29	100	111	129	111	.....	134	88	83	90	78	94	89
30	103	111	128	107	.....	134	80	80	88	68	84	84
31	100	.....	118	110	.....	134	.....	85	.....	64	82	.....
Mean	100	106	112	115	114	135	104	85	130	68	79	89
Max.	104	112	129	120	138	142	129	91	406	88	140	130
Min.	96	100	95	107	105	131	80	78	68	57	59	77
A. F.	6120	6340	6900	7080	6340	8270	6220	5210	7760	4200	4860	5270
Total Acre-feet	76,200											

FRENCHMAN RIVER AT CULBERTSON—Sec. 17-3-31 W.

DATE	Year Ending						September 30, 1934				AUG.	SEPT.
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		
1	122	81	*	*	210	218	157	39	24	68	36	92
2	118	81	.....	.....	210	210	159	40	21	66	29	51
3	109	81	*	.....	210	202	152	38	21	48	26	49
4	103	81	200	.....	210	208	150	34	22	43	26	49
5	99	78	*	.....	210	202	148	35	22	43	24	49
6	98	80	.....	.....	205	196	148	34	21	47	27	47
7	94	83	.....	.....	205	198	148	32	21	38	23	45
8	86	81	.....	.....	205	194	150	29	21	37	25	42
9	83	78	.....	.....	205	179	162	29	31	36	25	50
10	84	82	.....	.....	205	177	146	22	28	31	24	81
11	122	78	.....	.....	210	173	135	21	109	31	29	40
12	122	80	.....	.....	210	177	134	24	66	31	27	82
13	126	95	.....	.....	210	179	137	26	73	46	27	69
14	126	82	.....	.....	210	175	134	26	89	43	25	80
15	132	82	.....	.....	210	177	145	26	1000	42	30	84
16	130	77	.....	.....	195	177	143	30	452	38	18	82
17	132	77	.....	.....	195	171	148	22	290	46	15	81
18	130	77	.....	.....	195	168	145	18	179	37	24	77
19	127	78	.....	.....	195	175	140	25	226	34	26	80
20	129	76	.....	.....	195	173	138	21	446	31	25	80
21	129	78	.....	.....	180	166	135	39	461	30	22	81
22	129	76	.....	*	175	170	124	41	208	32	26	82
23	129	80	.....	196	170	157	129	40	228	30	28	80
24	130	135	.....	*	160	168	112	46	192	33	29	87
25	134	83	.....	.....	150	170	96	28	171	31	29	80
26	132	140	.....	.....	140	161	80	37	157	33	29	80
27	119	140	.....	.....	155	157	67	28	116	34	30	82
28	101	152	.....	.....	194	171	60	25	96	31	44	80
29	87	157	.....	.....	.....	159	56	33	88	34	48	82
30	83	161	.....	.....	.....	157	51	33	77	3	21	82
31	82	.....	*	*	.....	153	.....	28	.....	32	47	.....
Mean	114	94	†195	†190	194	178	128	31	165	38	28	71
Max.	134	161	*	*	210	218	162	46	1000	68	48	92
Min.	82	76	*	*	140	153	51	18	21	3C	15	42
A. F.	7000	5570	†11990	†11680	10760	10940	7590	1880	9830	237C	1700	4220
Total Acre-feet 85,500												

* No record.

† Estimated.

GERING DRAIN NEAR GERING—Sec. 6-21-54 W.

DATE	Year Ending						September 30, 1934				AUG.	SEPT.
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		
1	55	38	36	31	30	28	26	24	24	19	17	11
2	55	38	36	31	30	28	27	24	150	17	19	21
3	52	38	36	31	30	28	28	24	175	21	17	9
4	50	38	36	31	30	28	29	24	100	21	20	8
5	48	38	36	31	30	28	28	24	50	21	20	10
6	46	39	36	30	30	27	27	24	40	18	16	6
7	46	39	36	30	30	27	28	24	31	17	16	12
8	46	39	36	30	30	27	27	23	33	19	16	10
9	46	38	36	30	30	27	28	23	23	20	17	18
10	46	38	36	30	30	27	27	24	26	9	49	10
11	46	37	36	30	29	26	27	24	25	8	40	10
12	44	37	36	30	29	26	27	24	23	20	39	14
13	44	37	36	30	29	26	28	25	21	20	33	6
14	44	37	36	30	29	26	28	24	20	20	29	10
15	44	36	35	30	29	26	27	24	40	6	26	12
16	44	36	34	29	29	25	27	24	80	20	23	10
17	44	36	34	29	29	25	27	24	20	20	23	7
18	44	36	34	29	29	25	26	24	11	21	16	16
19	44	36	34	29	29	25	38	24	11	20	16	12
20	44	36	34	29	29	25	38	24	10	28	9	13
21	42	36	33	29	29	24	39	24	57	16	6	13
22	42	36	33	29	29	25	39	23	28	19	15	12
23	42	36	33	29	29	25	31	24	21	19	13	15
24	42	36	33	29	29	26	24	24	20	22	10	16
25	42	36	33	29	29	26	25	24	17	15	9	16
26	40	36	32	29	28	25	24	24	18	17	14	18
27	40	36	32	29	28	26	24	24	17	20	10	20
28	40	36	32	29	28	26	24	24	16	11	13	21
29	40	36	32	29	.....	26	24	24	20	16	16	20
30	40	36	32	29	.....	26	23	24	18	18	15	24
31	40	.....	32	29	.....	27	.....	24	.....	20	13	.....
Mean	45	37	34	30	29	26	28	24	38	19	20	13
Max.	55	39	36	31	30	28	39	25	175	22	49	24
Min.	40	36	32	29	28	24	23	23	10	16	6	6
A. F.	2740	2200	2110	1820	1620	1610	1680	1470	2270	1160	1180	795
Total Acre-feet 20,700												

GOTHENBURG POWER WASTE—Sec. 9-11-25 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	180	*	*	*	*	*	191	146	18	48	0	84
2	182	.....	.....	.....	.....	.....	173	146	18	17	0	72
3	162	.....	.....	.....	.....	.....	169	155	11	10	0	149
4	180	.....	.....	.....	.....	.....	191	165	28	13	0	116
5	141	.....	.....	.....	.....	.....	180	176	84	13	0	84
6	191	.....	.....	.....	.....	.....	187	158	66	13	0	60
7	184	.....	.....	.....	.....	.....	158	141	36	40	0	56
8	184	.....	.....	.....	.....	.....	141	97	36	17	0	58
9	180	.....	.....	.....	.....	.....	141	141	46	66	0	70
10	173	.....	.....	.....	.....	.....	149	176	11	66	0	75
11	146	.....	.....	.....	.....	.....	113	113	12	61	0	129
12	169	.....	.....	.....	.....	.....	82	119	8	66	0	119
13	169	.....	.....	.....	.....	.....	92	119	10	45	0	133
14	169	.....	.....	.....	.....	.....	169	158	10	43	0	158
15	149	.....	.....	.....	.....	.....	185	126	63	33	0	126
16	149	.....	.....	.....	.....	.....	202	113	133	13	0	141
17	158	.....	.....	.....	.....	.....	184	149	84	19	0	148
18	169	.....	.....	.....	.....	.....	184	162	158	35	0	131
19	169	.....	.....	.....	.....	.....	202	141	169	11	0	136
20	155	.....	.....	.....	.....	.....	207	162	104	5	70	148
21	169	.....	.....	.....	.....	.....	202	129	126	0	162	141
22	198	.....	.....	.....	.....	.....	*	120	99	0	254	136
23	180	.....	.....	.....	.....	.....	110	133	0	169	191	191
24	126	.....	.....	.....	.....	*	.....	115	123	0	169	155
25	126	.....	.....	.....	.....	7	.....	88	113	0	167	165
26	149	.....	.....	.....	.....	216	.....	75	191	0	155	165
27	180	.....	.....	.....	.....	202	.....	89	158	0	141	160
28	173	.....	.....	.....	.....	184	.....	76	148	0	41	154
29	169	.....	.....	.....	.....	191	.....	64	191	0	19	154
30	158	.....	.....	.....	.....	107	*	29	115	0	71	159
31	158	.....	.....	.....	.....	158	.....	29	.....	0	102	.....
Mean	166	.....	.....	.....	.....	*	*	122	83	20	49	124
Max.	198	.....	.....	.....	.....	*	*	176	169	66	254	165
Min.	126	.....	.....	.....	.....	*	*	29	8	0	0	56
A. F.	10205	.....	.....	.....	.....	*	*	7511	4963	1257	3015	7384

* No record.

GRAVEL CREEK—Sec. 9-14-36 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4	4	4	4	5	3	4	3	3	4	5	4
2	4	4	4	4	5	3	4	3	3	4	5	4
3	4	4	4	4	5	3	4	3	3	4	5	4
4	4	4	4	4	5	3	4	3	3	4	5	4
5	4	4	4	4	5	3	4	3	3	4	5	4
6	4	4	4	5	4	3	4	3	3	4	4	4
7	4	4	4	5	4	3	4	3	3	4	4	4
8	4	4	4	5	4	3	4	3	3	4	4	4
9	4	4	4	5	4	3	4	3	3	4	4	4
10	4	4	4	5	4	3	4	3	3	4	4	4
11	4	4	4	5	4	3	3	3	4	4	4	4
12	4	4	4	5	4	3	3	3	4	4	4	4
13	4	4	4	5	4	3	3	3	4	4	4	4
14	4	4	4	5	4	3	3	3	4	4	4	4
15	4	4	4	5	4	3	3	3	4	4	4	4
16	4	4	4	5	4	3	3	3	4	5	4	4
17	4	4	4	5	4	3	3	3	4	5	4	4
18	4	4	4	5	4	3	3	3	4	5	4	4
19	4	4	4	5	4	3	3	3	4	5	4	4
20	4	4	4	5	4	3	3	3	4	5	4	4
21	4	4	4	5	4	3	3	3	4	5	4	4
22	4	4	4	5	4	3	3	3	4	5	4	4
23	4	4	4	5	4	3	3	3	4	5	4	4
24	4	4	4	5	4	3	3	3	4	5	4	4
25	4	4	4	5	4	3	3	3	4	5	4	4
26	4	4	4	5	3	3	3	3	4	5	4	4
27	4	4	4	5	3	3	3	3	4	5	4	4
28	4	4	4	5	3	3	3	3	4	5	4	4
29	4	4	4	5	.....	3	3	3	4	5	4	4
30	4	4	4	5	.....	3	3	3	4	5	4	4
31	4	.....	4	5	.....	3	.....	3	.....	5	4	.....
Mean	4	4	4	5	4	3	3	3	3	5	4	4
Max.	4	4	4	5	5	3	4	3	4	5	5	4
Min.	4	4	4	4	3	3	3	3	3	4	4	4
A. F.	246	238	246	298	226	184	198	184	218	278	256	238

Total Acre-feet 2,810

HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	353	34	27	*	22	28	17	10	11	13	10	16
2	258	35	27	.....	22	33	17	10	11	12	10	16
3	234	36	27	.....	22	36	19	11	56	12	11	16
4	193	30	27	.....	22	26	19	10	20	11	8	15
5	150	30	27	.....	22	22	28	10	12	11	12	12
6	135	30	26	.....	20	21	26	9	12	12	12	12
7	120	30	26	.....	20	20	24	10	12	10	16	12
8	102	34	26	.....	20	18	18	9	17	9	12	12
9	90	36	26	.....	20	20	16	9	19	9	16	17
10	81	37	26	.....	20	19	16	9	21	10	34	16
11	75	34	26	.....	20	19	14	8	21	182	25	13
12	66	29	26	.....	20	18	19	8	18	17	25	13
13	65	34	26	.....	20	18	23	9	16	12	23	12
14	61	35	26	.....	20	17	24	9	13	13	25	12
15	62	33	26	.....	20	18	26	8	19	12	21	11
16	53	31	26	.....	18	17	24	8	58	13	19	11
17	54	29	26	.....	18	22	21	7	27	11	17	9
18	50	29	25	*	18	16	21	6	24	8	19	10
19	51	29	25	23	18	18	17	6	18	16	14	13
20	51	27	25	*	18	17	18	6	14	10	12	11
21	47	29	25	.....	18	16	18	6	14	9	11	12
22	46	29	25	.....	18	16	17	9	14	8	12	12
23	46	29	25	.....	18	19	16	6	14	8	14	12
24	43	27	25	.....	18	22	16	6	14	8	15	11
25	43	30	25	.....	18	17	15	6	21	14	18	12
26	42	29	22	.....	15	16	13	9	16	11	18	14
27	39	27	22	.....	17	16	14	9	12	7	18	14
28	39	27	22	.....	21	15	13	8	12	9	18	14
29	38	27	22	.....	.....	16	12	8	12	9	17	14
30	38	27	23	.....	.....	12	11	10	12	8	19	13
31	36	.....	23	*	.....	16	.....	11	.....	10	16	.....
Mean	89	31	25	†23	19	20	18	8	19	16	17	13
Max.	353	37	27	*	22	36	28	11	58	182	34	17
Min.	36	27	22	*	15	12	11	6	11	7	8	9
A. F.	5480	1830	1550	†1410	1080	1200	1090	516	1110	1000	1030	768
Total Acre-feet 18,100												

* No record.

† Estimated.

INDIAN CREEK—Sec. 19-20-50 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	25	11	9	7	7	7	4	4	4	3	2	2
2	25	11	9	7	7	7	4	4	4	3	2	2
3	20	11	9	7	7	7	4	4	16	3	2	2
4	18	11	9	7	7	7	4	4	5	4	2	2
5	18	11	9	7	7	7	4	4	4	4	2	2
6	15	11	9	7	7	7	4	4	3	4	2	2
7	15	11	9	7	7	7	4	4	5	4	2	2
8	15	11	9	7	7	7	4	4	4	3	2	2
9	15	10	9	7	7	7	4	4	3	3	25	2
10	15	10	9	7	7	7	4	4	4	3	75	2
11	15	10	9	7	7	6	4	3	4	2	15	2
12	13	10	9	7	7	6	4	3	4	3	10	2
13	13	10	9	7	7	6	4	3	4	3	4	2
14	13	10	8	7	7	6	4	3	3	4	3	2
15	13	8	8	7	7	6	4	3	4	4	3	2
16	12	8	8	6	7	5	4	3	5	2	3	2
17	12	8	8	6	7	5	4	3	6	2	3	2
18	12	8	8	6	7	5	4	3	4	3	3	2
19	12	8	8	6	7	5	4	3	4	3	3	2
20	12	8	8	6	7	5	4	3	4	4	3	2
21	12	9	8	6	7	5	4	3	5	3	3	2
22	11	9	8	6	7	5	4	3	4	2	3	2
23	11	9	8	6	7	5	4	3	6	2	2	2
24	10	9	8	6	7	5	4	3	4	2	2	2
25	10	9	8	7	7	5	4	3	5	3	2	2
26	10	9	8	7	6	5	4	4	3	3	2	3
27	10	9	8	8	6	5	4	4	4	2	2	3
28	10	9	8	8	6	5	4	4	4	2	2	3
29	10	9	8	8	.....	5	4	3	3	2	2	3
30	10	9	8	8	.....	5	4	4	4	2	2	3
31	10	.....	8	8	.....	5	.....	5	.....	2	2	.....
Mean	14	9	8	7	7	6	4	4	5	3	6	2
Max.	25	11	9	8	7	7	4	5	16	4	75	3
Min.	10	8	8	6	6	5	4	3	3	2	1	2
A. F.	845	547	518	422	383	357	238	216	270	177	377	129
Total Acre-feet 4,479												

KEITH-LINCOLN COUNTY DRAIN—Sec. 23-14-35 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2	1	1	1	1	2	1	1	1	1	1	1
2	2	1	1	1	1	2	1	1	1	1	1	1
3	2	1	1	1	1	2	1	1	1	1	1	1
4	2	1	1	1	1	2	1	1	1	1	1	1
5	2	1	1	1	1	2	1	1	1	1	1	1
6	2	1	1	1	1	2	1	1	1	1	1	1
7	2	1	1	1	1	2	1	1	1	1	1	1
8	2	1	1	1	1	2	1	1	1	1	1	1
9	2	1	1	1	1	2	1	1	1	1	1	1
10	2	1	1	1	1	2	1	1	1	1	1	1
11	1	1	1	1	1	2	1	1	1	1	1	1
12	1	1	1	1	1	2	1	1	1	1	1	1
13	1	1	1	1	1	2	1	1	1	1	1	1
14	1	1	1	1	1	2	1	1	1	1	1	1
15	1	1	1	1	1	2	1	1	1	1	1	1
16	1	1	1	1	1	2	1	1	1	1	1	1
17	1	1	1	1	1	2	1	1	1	1	1	1
18	1	1	1	1	1	2	1	1	1	1	1	1
19	1	1	1	1	1	2	1	1	1	1	1	1
20	1	1	1	1	1	2	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	-----	1	1	1	1	1	1	1
30	1	1	1	1	-----	1	1	1	1	1	1	1
31	1	-----	1	1	-----	1	-----	1	-----	1	-----	-----
Mean	1	1	1	1	1	2	1	1	1	1	1	1
Max.	2	1	1	1	1	2	1	1	1	1	1	1
Min.	1	1	1	1	1	1	1	1	1	1	1	1
A. F.	81	60	61	61	56	101	60	61	60	61	61	60
Total Acre-feet	783											

LANE DRAIN—Sec. 30-23-57 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	4	3	2	1	0.8	0.4	1	2	2	2	2
2	5	4	3	2	1	.8	.4	1	2	2	2	2
3	5	4	3	2	1	.8	.4	1	2	2	2	2
4	5	4	3	2	1	.8	.4	1	2	2	2	2
5	5	4	3	2	1	.8	.4	1	2	2	2	2
6	5	3	3	2	1	.8	.3	1	2	2	2	2
7	5	3	3	2	1	.8	.3	1	2	2	2	2
8	5	3	3	2	1	.8	.3	1	2	2	2	2
9	5	3	3	2	1	.8	.3	1	2	2	2	2
10	5	3	3	2	1	.8	.3	1	2	2	2	2
11	5	3	2	2	1	.8	.5	1	2	2	2	2
12	5	3	2	2	1	.8	.5	1	2	2	2	2
13	5	3	2	2	1	.8	.5	1	2	2	2	2
14	5	3	2	2	1	.8	.5	1	2	2	2	2
15	5	3	2	2	1	.8	.5	1	2	2	2	2
16	4	3	2	2	1	.6	.5	2	3	2	2	2
17	4	3	2	2	1	.6	.5	2	3	2	2	2
18	4	3	2	2	1	.6	.5	2	3	2	2	2
19	4	3	2	2	1	.6	.5	2	3	2	2	2
20	4	3	2	1	1	.6	.5	2	3	2	2	2
21	4	3	2	1	1	.6	.8	2	3	2	2	2
22	4	3	2	1	1	.5	.8	2	3	2	2	2
23	4	3	2	1	1	.5	.8	2	3	2	2	2
24	4	3	2	1	1	.5	.8	2	3	2	2	2
25	4	3	2	1	1	.5	.8	2	3	2	2	2
26	4	3	2	1	1	.5	.8	2	2	2	2	2
27	4	3	2	1	1	.5	.8	2	2	2	2	2
28	4	3	2	1	1	.5	.8	2	2	2	2	2
29	4	3	2	1	-----	.5	.8	2	2	2	2	2
30	4	3	2	1	-----	.5	.8	2	2	2	2	2
31	4	-----	2	1	-----	.5	-----	2	-----	2	-----	-----
Mean	5	3	2	2	1	0.7	0.6	2	2	2	2	2
Max.	5	4	3	2	1	.8	.8	2	3	2	2	2
Min.	4	3	2	1	1	.5	.3	1	2	2	2	2
A. F.	276	188	143	99	56	41.0	33.0	93	139	123	123	119
Total Acre-feet	1,433											

LEWELLEN DRAIN—Sec. 28-16-42 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2	2	2	2	2	2	1	1	2	1	0.5	0.5
2	2	2	2	2	2	2	1	1	2	1	.5	.5
3	2	2	2	2	2	2	1	1	2	1	.5	.5
4	2	2	2	2	2	2	1	1	2	1	.5	.5
5	2	2	2	2	2	2	1	1	2	1	.5	.5
6	2	2	2	2	2	2	1	1	2	1	.5	.5
7	2	2	2	2	2	2	1	1	2	1	.5	.5
8	2	2	2	2	2	2	1	1	2	1	.5	.5
9	2	2	2	2	2	2	1	1	2	1	.5	.5
10	2	2	2	2	2	2	1	1	2	1	.5	.5
11	2	2	2	2	2	2	1	1	2	1	.5	.5
12	2	2	2	2	2	2	1	1	2	1	.5	.5
13	2	2	2	2	2	2	1	1	2	1	.5	.5
14	2	2	2	2	2	2	1	1	2	1	.5	.5
15	2	2	2	2	2	2	1	1	2	1	.5	.5
16	2	2	2	2	2	2	1	1	2	1	.5	.5
17	2	2	2	2	2	2	1	1	2	1	.5	.5
18	2	2	2	2	2	2	1	1	2	1	.5	.5
19	2	2	2	2	2	2	1	1	2	1	.5	.5
20	2	2	2	2	2	2	1	1	2	1	.5	.5
21	2	2	2	2	2	2	1	1	2	1	.5	.5
22	2	3	2	2	2	2	1	1	2	1	.5	.5
23	2	3	2	2	2	2	1	1	2	1	.5	.5
24	2	3	2	2	2	2	1	1	2	1	.5	.5
25	2	3	2	2	2	2	1	1	2	1	.5	.5
26	2	3	2	2	2	2	1	1	2	1	.5	.5
27	2	3	2	2	2	2	1	1	2	1	.5	.5
28	2	3	2	2	2	2	1	1	2	1	.5	.5
29	2	3	2	2	2	2	1	1	2	1	.5	.5
30	2	3	2	2	.....	2	1	1	2	1	.5	.5
31	2	.....	2	2	.....	2	1	1	2	1	.5	.5
Mean	2	2	2	2	2	2	1	1	2	1	0.5	0.5
Max.	2	3	2	2	2	2	1	1	2	1	.5	.5
Min.	2	2	2	2	2	2	1	1	2	1	.5	.5
A. F.	123	137	123	123	111	123	60	61	119	61	31.0	30.0
Total Acre-feet	1,102											

LINCOLN COUNTY DRAIN NO. 1 AT NORTH PLATTE—Sec. 30-14-30 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	80	68	59	60	48	44	38	65	64	75	55	67
2	80	68	59	60	48	44	38	65	61	75	55	67
3	80	68	59	60	48	44	38	65	58	75	55	67
4	80	68	59	60	48	44	38	65	58	78	54	67
5	80	68	59	60	48	44	38	65	55	82	54	67
6	75	65	59	62	48	44	38	65	54	91	54	60
7	75	65	59	62	48	42	38	74	52	86	53	60
8	75	65	59	63	48	42	38	73	53	81	58	60
9	75	65	59	62	48	42	38	73	54	76	58	70
10	71	65	59	62	48	42	38	73	54	70	58	70
11	72	62	59	60	45	42	40	73	58	66	58	70
12	72	62	59	60	45	42	40	73	63	63	58	70
13	72	62	59	60	45	42	40	73	65	71	58	60
14	72	62	59	60	45	42	40	73	65	66	58	63
15	72	62	59	60	45	42	40	73	64	66	58	58
16	72	60	59	55	45	40	40	73	62	66	64	55
17	72	60	59	55	45	40	40	72	70	61	72	55
18	72	60	59	55	45	40	40	71	70	62	67	55
19	72	60	59	55	45	40	40	70	77	62	65	55
20	72	60	59	55	45	40	40	66	72	62	65	55
21	72	60	59	50	45	40	45	66	73	59	65	55
22	72	60	59	50	45	40	45	66	75	56	67	52
23	72	59	59	50	45	40	45	66	76	54	67	54
24	70	59	59	50	45	40	45	63	78	52	67	54
25	70	59	59	50	45	40	45	62	80	54	67	54
26	70	59	60	48	42	38	50	60	72	57	65	55
27	70	59	60	48	42	38	50	60	79	56	65	56
28	70	59	60	48	42	38	50	60	77	56	65	56
29	70	59	60	48	.....	38	50	64	75	56	70	56
30	70	59	60	48	.....	38	52	66	75	56	70	58
31	70	.....	60	48	.....	38	.....	65	.....	56	70	.....
Mean	73	62	59	56	46	41	42	68	67	66	61	60
Max.	80	68	60	63	48	44	50	74	80	91	72	70
Min.	70	59	59	48	42	38	38	60	52	52	53	52
A. F.	4497	3703	3640	3416	2541	2519	2493	4161	3985	4058	3739	3572
Total Acre-feet	42,324											

LINCOLN COUNTY DRAIN NO. 2--Sec. 12-14-33 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	5	4	4	3	4	4	3	3	4	3	3
2	5	5	4	4	3	4	4	3	3	4	3	3
3	5	5	4	4	3	4	4	3	3	4	3	3
4	5	5	4	4	3	4	4	3	3	4	3	3
5	5	5	4	4	3	4	4	3	3	4	3	3
6	5	5	4	4	3	4	4	3	3	5	3	3
7	5	5	4	4	3	4	4	3	3	4	3	3
8	5	5	4	4	3	4	4	3	3	4	3	3
9	5	5	4	4	3	4	4	3	3	4	3	4
10	5	5	4	4	3	4	4	3	3	5	3	4
11	5	5	4	3	3	4	3	4	3	4	2	4
12	5	5	4	3	3	4	3	4	3	4	2	4
13	5	5	4	3	3	4	3	4	3	4	2	4
14	5	5	4	3	3	4	3	4	3	4	2	4
15	5	5	4	3	3	4	3	4	3	4	2	4
16	5	4	4	3	3	3	3	4	4	4	2	4
17	5	4	4	3	3	3	3	4	4	4	2	4
18	5	4	4	3	3	3	3	4	4	4	2	4
19	5	4	4	3	3	3	3	4	4	4	2	4
20	5	4	4	3	3	3	3	4	4	4	2	4
21	5	4	4	3	3	3	3	4	4	4	2	4
22	5	4	4	3	3	3	3	4	4	4	2	4
23	5	4	4	3	3	3	3	4	4	4	2	4
24	5	4	4	3	3	3	3	4	4	4	2	4
25	5	4	4	3	3	3	3	4	4	4	2	4
26	5	4	4	3	3	3	3	4	4	4	3	4
27	5	4	4	3	3	3	3	4	4	4	3	4
28	5	4	4	3	3	3	3	3	4	4	3	4
29	5	4	4	3	.....	3	3	3	4	4	3	4
30	5	4	4	3	.....	3	3	3	4	4	3	4
31	5	.....	4	3	.....	3	.....	3	.....	4	3	.....
Mean	5	5	4	4	3	4	3	4	4	4	3	4
Max.	5	5	4	4	3	4	4	4	4	5	3	4
Min.	5	4	4	3	3	3	3	3	3	4	2	3
A. F.	307	268	246	204	167	214	198	218	208	250	155	222
Total Acre-feet	2,657											

LODGEPOLE CREEK AT BUSHNELL--Sec. 33-15-57 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	17	19	19	*	16	19	15	9	6	7	6	8
2	17	19	*	.....	16	21	14	9	7	7	6	8
3	17	19	.....	.....	16	18	13	11	9	7	7	8
4	17	18	.....	.....	16	19	14	13	8	7	6	8
5	17	18	.....	.....	16	19	17	11	8	7	7	9
6	17	20	.....	.....	16	19	17	11	8	7	8	10
7	17	20	.....	.....	16	17	17	11	8	7	7	9
8	17	20	.....	.....	16	16	16	11	8	7	40	9
9	17	20	.....	.....	16	16	14	12	8	7	12	9
10	17	20	.....	.....	16	16	14	12	7	7	11	9
11	18	20	.....	.....	18	16	14	11	7	7	10	9
12	17	20	.....	.....	18	15	14	11	7	6	9	9
13	17	19	.....	.....	18	15	13	12	8	6	9	8
14	17	19	.....	.....	18	14	14	12	8	6	9	9
15	17	19	.....	.....	18	14	14	12	8	6	9	9
16	18	20	.....	.....	15	14	15	11	10	6	9	9
17	18	19	.....	.....	15	13	14	11	10	6	10	9
18	19	19	.....	*	15	15	14	10	10	6	9	9
19	17	19	.....	16	15	15	13	10	8	6	9	9
20	17	19	.....	*	15	14	13	9	8	6	9	9
21	17	18	.....	.....	14	13	13	8	8	6	8	9
22	18	18	.....	.....	14	13	13	8	8	6	8	10
23	18	20	.....	.....	16	14	12	9	8	7	8	9
24	18	20	.....	.....	15	14	12	8	8	7	8	10
25	18	19	.....	.....	15	12	12	7	8	7	6	10
26	18	18	.....	.....	15	13	12	8	7	7	6	10
27	18	19	.....	.....	15	15	11	7	7	7	7	10
28	18	19	.....	.....	16	14	11	7	7	6	8	10
29	18	18	.....	.....	.....	14	11	7	6	6	7	10
30	18	18	.....	.....	.....	15	11	7	7	5	6	10
31	18	.....	*	*	.....	15	.....	8	.....	5	7	.....
Mean	18	19	†20	†17	16	15	14	10	8	7	9	9
Max.	19	20	*	*	18	21	17	13	10	7	40	10
Min.	17	18	*	*	14	12	11	7	6	5	6	8
A. F.	1080	1140	†1230	†1050	883	946	807	601	466	397	557	543
Total Acre-feet	9,700											

* No record.

† Estimated.

LONERGAN CREEK—Sec. 19-15-39 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7	8	9	6	6	5	6	7	2	2	1	2
2	7	8	9	6	6	5	6	7	2	2	1	2
3	7	8	9	6	6	5	6	7	2	2	1	2
4	7	8	9	6	6	5	6	7	2	2	1	2
5	7	8	9	6	6	5	6	7	2	2	1	2
6	7	8	8	6	6	5	6	7	2	3	0	3
7	8	8	8	6	6	5	6	7	2	3	0	3
8	8	8	8	6	6	5	6	7	2	3	0	3
9	8	8	8	6	6	5	6	7	2	3	0	3
10	8	8	8	6	6	5	6	7	2	3	0	3
11	7	9	8	6	6	5	5	7	11	6	0	5
12	7	9	8	6	6	5	5	7	11	6	0	5
13	7	9	8	6	6	5	5	7	11	6	0	5
14	7	9	8	6	6	5	5	7	11	6	0	5
15	7	9	8	6	6	5	5	7	11	6	0	5
16	7	10	7	6	5	5	4	7	9	1	4	5
17	7	10	7	6	5	5	4	7	9	1	4	5
18	7	10	7	6	5	5	4	7	9	1	4	5
19	7	10	7	6	5	5	4	7	9	1	4	5
20	7	10	7	6	5	5	4	7	9	0	4	5
21	7	10	7	6	5	5	3	4	8	3	4	5
22	7	11	7	6	5	5	3	4	8	3	4	5
23	7	11	7	6	5	5	3	4	8	3	4	5
24	7	11	7	6	5	5	3	4	8	3	4	5
25	7	11	7	6	5	5	3	4	8	3	3	5
26	7	10	7	6	5	5	3	7	1	3	5	5
27	7	10	7	6	5	5	2	3	7	1	3	6
28	7	10	7	6	5	5	2	2	7	1	3	6
29	7	10	7	6	.....	5	2	2	7	1	3	6
30	7	10	7	6	.....	5	3	2	7	1	3	6
31	7	.....	7	6	.....	5	2	2	.....	1	3	.....
Mean	7	9	8	6	6	5	5	6	7	3	2	4
Max.	8	11	9	6	6	5	6	7	11	6	4	6
Min.	7	8	7	6	5	5	2	2	2	0	0	2
A. F.	438	553	470	389	307	307	272	345	387	159	123	258
Total Acre-feet	4,008											

LOST CREEK (OR OSHKOSH DRAIN)—Sec. 1-16-44 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3	2	3	5	5	3	4	4	2	2	0.0	0
2	3	2	3	5	5	3	4	4	2	2	0	0
3	3	2	3	5	5	3	4	4	2	2	0	0
4	3	2	3	5	5	3	4	4	2	2	0	0
5	3	2	3	5	5	3	4	4	2	2	0	0
6	3	2	3	9	5	3	4	3	2	2	0	0
7	3	2	3	9	5	3	4	3	2	2	0	0
8	3	2	2	9	5	3	4	3	2	2	0	0
9	3	2	3	10	5	3	4	3	2	2	0	2
10	3	2	3	8	5	3	4	3	2	2	0	2
11	3	2	3	8	4	3	3	3	2	2	0	2
12	3	2	3	8	4	3	3	3	2	2	0	2
13	3	2	3	8	4	3	3	3	2	2	0	2
14	3	2	3	8	4	3	3	3	2	2	0	2
15	3	2	3	8	4	3	3	3	2	2	0	2
16	2	3	4	5	4	3	2	2	4	1	0	2
17	2	3	4	5	4	3	2	2	4	1	0	2
18	2	3	4	5	4	3	2	2	4	1	0	2
19	2	3	4	5	4	3	2	2	4	1	0	2
20	2	3	4	5	4	3	2	2	4	1	0	2
21	2	3	4	5	4	3	2	2	3	1	2	3
22	2	3	4	5	4	3	2	2	3	1	2	3
23	2	3	4	5	4	3	2	2	3	1	2	3
24	2	3	4	5	4	3	2	2	3	1	2	3
25	2	3	4	5	4	3	2	2	3	1	2	3
26	2	3	4	5	3	3	2	2	2	1	2	3
27	2	3	4	5	3	3	2	2	2	1	2	3
28	2	3	4	5	3	3	2	2	2	1	2	3
29	2	3	4	5	.....	3	2	2	2	1	2	3
30	2	3	4	5	.....	3	2	2	2	1	2	3
31	2	.....	4	5	.....	3	2	2	.....	1	2	.....
Mean	3	3	4	6	4	3	3	3	2	2	0.1	2
Max.	3	3	4	10	5	3	4	4	4	2	2	3
Min.	2	2	3	5	3	3	2	2	2	1	0	0
A. F.	153	149	216	377	236	184	169	163	109	91	4.0	107
Total Acre-feet	1,958											

NORTH LOUP RIVER NEAR ST. PAUL—Sec. 25-15-10 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	725	802	879	*	*	1000	750	702	520	593	455	658
2	708	844	1100	.....	.....	1000	872	714	512	547	455	1120
3	708	891	903	.....	.....	1000	1120	774	512	573	447	1260
4	725	903	915	.....	.....	1000	1000	810	529	547	432	1120
5	760	951	1000	.....	.....	1000	1000	872	604	582	424	898
6	733	927	915	.....	.....	625	898	1150	636	726	447	750
7	750	927	915	.....	.....	625	885	1030	647	556	478	668
8	771	903	927	.....	.....	625	835	910	714	529	520	614
9	771	903	951	.....	*	625	810	872	658	503	556	604
10	771	951	927	.....	970	625	810	822	614	512	556	636
11	733	873	927	.....	*	775	848	726	604	512	668	989
12	725	879	824	.....	.....	775	810	726	573	520	726	910
13	733	903	716	.....	.....	775	750	774	564	520	910	885
14	760	891	666	.....	.....	844	798	798	564	503	679	822
15	742	879	750	.....	.....	900	810	738	614	503	658	786
16	725	879	802	.....	.....	625	810	647	658	478	647	726
17	716	891	813	.....	.....	625	922	636	786	439	658	702
18	750	903	813	.....	.....	625	835	614	935	416	647	679
19	760	834	716	.....	.....	625	786	604	679	402	668	658
20	733	855	834	.....	.....	690	738	668	658	402	647	636
21	742	855	834	.....	.....	798	679	604	593	387	668	658
22	742	879	834	.....	.....	798	658	625	593	373	668	679
23	725	891	834	.....	.....	848	658	556	614	373	679	690
24	725	903	1000	.....	.....	810	625	573	582	394	702	1250
25	708	951	834	.....	.....	786	647	564	547	402	762	910
26	700	975	650	.....	.....	822	702	547	538	486	762	885
27	750	903	650	.....	.....	798	714	547	529	520	738	872
28	771	855	650	.....	*	810	726	556	520	529	726	786
29	792	879	650	.....	.....	835	702	556	520	512	714	786
30	792	855	650	.....	.....	922	702	556	564	471	702	738
31	792	.....	650	.....	.....	798	.....	529	.....	447	690	.....
Mean	743	891	824	†750	†770	787	793	703	606	492	629	812
Max.	792	975	1100	*	*	1000	1120	1150	935	726	910	1260
Min.	700	802	650	*	*	625	625	529	512	373	424	604
A. F.	45700	53040	50640	†46120	†42760	48410	47210	43240	36080	30260	38660	48350
Total Acre-feet	530,000											

* No record.
† Estimated.

MIDDLE LOUP RIVER ST. PAUL—Sec. 10-14-10 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	795	964	*	*	*	†1100	1070	689	743	727	908	.....
2	702	1470	1900	.....	.....	.....	†1200	947	728	840	710	1090
3	795	1450	.....	.....	.....	.....	†2020	1070	602	727	648	1720
4	964	1050	.....	.....	.....	.....	†1300	1070	728	743	677	1380
5	915	1130	.....	.....	.....	.....	†1280	1120	754	857	512	1030
6	998	1180	.....	.....	.....	.....	†1200	1410	702	1070	694	759
7	1080	1180	.....	.....	.....	.....	†1120	1170	†800	1320	678	759
8	1130	1080	.....	.....	.....	.....	†1100	1200	†1220	710	648	743
9	1180	1120	.....	.....	*	.....	†1100	998	†980	727	710	710
10	870	998	.....	.....	1170	.....	†1180	1170	†850	678	775	857
11	870	1050	.....	.....	*	.....	†1320	1070	†800	663	1030	1030
12	885	1070	.....	.....	.....	.....	†1100	930	†780	678	1070	1120
13	1020	1250	.....	.....	.....	.....	†1000	1080	†720	824	2510	840
14	915	1130	.....	.....	.....	.....	†1020	1130	†700	775	1120	824
15	825	855	.....	.....	.....	.....	†1020	1070	775	678	857	1090
16	825	915	.....	.....	.....	.....	1020	900	840	602	925	959
17	1410	1100	.....	.....	.....	.....	1080	795	2620	556	791	541
18	1100	1270	.....	.....	.....	.....	1250	780	1830	513	791	808
19	947	1340	.....	.....	.....	.....	1200	840	727	486	1050	759
20	1020	1120	.....	.....	.....	.....	1120	754	632	472	1030	925
21	1020	1270	.....	.....	.....	1020	1080	754	648	486	791	1220
22	1100	1360	.....	.....	.....	*	1070	754	908	361	743	1050
23	1180	1340	.....	.....	.....	.....	1120	870	1050	486	648	775
24	1200	1320	.....	.....	.....	.....	1100	754	1050	432	710	1220
25	1270	1220	.....	.....	.....	.....	998	767	874	499	908	1550
26	1250	1020	.....	.....	.....	.....	1150	795	775	791	874	1260
27	1250	1240	.....	.....	.....	.....	1380	702	678	1160	824	840
28	1130	1130	.....	.....	.....	.....	1130	780	632	1090	759	743
29	1020	981	.....	.....	*	.....	964	728	602	857	824	840
30	1080	1170	.....	.....	.....	.....	1130	754	710	857	808	942
31	915	.....	.....	.....	.....	.....	.....	741	.....	775	824	.....
Mean	1021	1159	†1280	†1050	†1100	†1080	1162	935	880	724	860	996
Max.	1410	1470	*	*	*	*	2020	1410	2620	1320	2510	1720
Min.	702	855	*	*	*	*	964	702	602	361	572	541
A. F.	62800	68970	†78700	†64560	†61090	†66410	69130	57470	52370	44540	52890	59290
Total Acre-feet	738,200											

* No record.
† Estimated.

LOUP RIVER AT COLUMBUS—Sec. 29-17-1 E.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	*	2400	3260	*	2300	3000	2660	2130	1020	988	1100	1280
2	2400	5310	.....	2300	3000	2900	2080	916	1020	988	1720
3	2400	5590	.....	2300	3000	5140	2130	880	1400	880	3570
4	2400	5030	.....	2300	3000	4760	2130	1020	1540	844	4100
5	2400	4260	.....	2300	3000	3410	2320	1020	1670	808	3830
6	2440	4160	.....	2300	2800	3050	2750	1620	1760	952	3050
7	2440	3680	.....	2300	2800	2660	3310	1760	2320	1100	2320
8	2440	3410	.....	2800	2800	2700	3210	4760	2510	1060	2180
9	2440	3260	.....	2660	2510	2900	2360	2950	1900	916	1400
10	2440	2900	.....	2750	2460	3100	2180	2030	1490	808	1280
11	2350	2560	.....	2750	2360	3210	1720	1800	1230	1230	1150
12	2350	2130	*	2700	2460	3100	2030	1620	1150	1586	3100
13	2350	1450	1960	2360	2130	3000	1800	1490	1100	2080	3310
14	2350	1580	*	2410	1900	2900	1670	1450	1150	5420	3000
15	2400	1450	.....	2410	2080	2510	1850	1320	1280	3990	2700
16	2450	2130	.....	2510	2270	2700	2080	1490	1360	2610	2510
17	2450	2800	.....	3000	1620	2560	1800	1900	1190	2220	2750
18	2450	3050	.....	3310	2080	2360	1490	4920	1060	1940	1800
19	2450	3050	.....	3160	2180	2180	1280	3940	988	1540	1540
20	2450	2850	.....	1940	2410	2410	1150	2610	808	1360	1670
21	2030	3410	.....	1580	1940	2320	1150	2030	736	1990	1760
22	2320	4320	.....	2220	1900	2130	1190	1990	678	1450	1940
23	2850	5090	.....	2360	2180	2030	1400	2030	700	1360	2030
24	3620	3620	.....	736	2610	2030	1720	2030	546	1230	2030
25	3100	2850	.....	1000	2410	2220	1850	1990	612	1360	2700
26	3000	1190	.....	1000	1900	2320	1540	1670	656	1540	2610
27	2610	844	.....	1000	2080	2270	1360	1400	844	1620	2560
28	2610	502	.....	1000	2510	2320	1280	1020	1360	1490	2270
29	2660	736	.....	.....	1990	2320	1190	916	1720	1360	2130
30	3000	1360	.....	.....	2610	2220	1190	916	1450	1230	1800
31	*	1300	.....	.....	2660	.....	1020	.....	1100	1190	.....
Mean	†2250	2535	2875	†1900	2206	2408	2746	1818	1884	1236	1589	2336
Max.	*	3620	5590	*	3310	3000	5140	3310	4920	2510	5420	4100
Min.	*	2030	502	*	736	1620	2030	1020	880	546	808	1150
A. F.	†138300	150800	176800	†116800	122500	148100	163400	111800	112100	76000	97680	139000

Total Acre-feet 1,553,000

* No record.

† Estimated.

MELBETA DRAIN—Sec. 24-21-54 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6	5	4	4	3	3	2	0	0	0	0	0
2	6	5	4	4	3	3	2	0	0	0	0	0
3	6	5	4	4	3	3	2	0	5	0	0	0
4	6	5	4	4	3	3	2	0	3	0	0	0
5	6	5	4	4	3	3	2	0	1	0	0	0
6	6	5	4	4	3	3	2	0	1	0	0	0
7	6	5	4	4	3	3	2	0	0	0	0	0
8	6	5	4	4	3	3	2	0	0	0	0	0
9	6	4	4	4	3	3	2	0	0	0	0	0
10	6	4	4	4	3	3	2	0	0	0	0	0
11	6	4	4	4	3	3	2	0	0	0	0	0
12	5	4	4	4	3	3	2	0	0	0	0	0
13	5	4	4	4	3	3	2	0	0	0	0	0
14	5	4	4	4	3	3	2	0	0	0	0	0
15	5	4	4	4	3	3	2	0	0	0	0	0
16	5	4	4	4	3	3	2	0	0	0	0	0
17	5	4	4	4	3	3	2	0	2	0	0	0
18	5	4	4	4	3	3	2	1	0	0	0	0
19	5	4	4	4	3	3	2	1	0	0	0	0
20	5	4	4	4	3	3	2	1	0	0	0	0
21	5	4	4	4	3	3	2	1	0	0	0	0
22	5	4	4	4	3	3	2	0	0	0	0	0
23	5	4	4	4	3	3	2	0	0	0	0	0
24	5	4	4	4	3	3	2	0	0	0	0	0
25	5	4	4	4	3	3	2	0	0	0	0	0
26	5	4	4	4	3	3	2	0	0	0	0	0
27	5	4	4	4	3	3	2	0	0	0	0	0
28	5	4	4	4	3	3	2	0	0	0	0	0
29	5	4	4	4	.....	3	2	2	0	0	0	0
30	5	4	4	4	.....	3	2	2	0	0	0	0
31	5	.....	4	4	.....	3	.....	2	.....	0	0	.....
Mean	5	5	4	4	3	3	2	0.3	0.4	0	0	0
Max.	6	5	4	4	3	3	2	1.0	5.0	0	0	0
Min.	5	4	4	4	3	3	2	.0	.0	0	0	0
A. F.	329	270	246	246	167	184	123	20.0	24.0	0	0	0

Total Acre-feet 1,609

MITCHELL SPILLWAY--Sec. 35-23-56 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	100	0	22	15	12	10	2.0	0.3	0	0	0	0
2	64	0	22	15	12	10	2.0	.3	0	0	0	0
3	50	0	22	15	12	10	2.0	.3	7	0	0	0
4	50	0	22	15	12	10	2.0	.3	3	0	0	0
5	36	0	22	15	12	10	2.0	.3	0	0	0	0
6	34	0	20	14	12	8	1.0	.3	0	0	0	0
7	34	0	20	14	12	8	1.0	.3	0	0	0	0
8	34	0	20	14	12	8	1.0	.3	0	0	0	6
9	34	0	20	14	12	8	1.0	.3	0	0	0	0
10	34	0	20	14	12	8	.6	.3	0	0	0	0
11	34	10	18	13	12	6	.6	.3	0	0	0	0
12	31	10	18	13	12	6	.6	.3	0	0	0	0
13	15	10	18	13	12	6	.6	.3	0	0	0	0
14	15	10	18	13	12	6	.6	.3	0	0	0	0
15	15	10	18	13	12	6	.6	.3	0	0	0	0
16	15	20	18	12	12	4	.5	.3	0	0	0	0
17	15	20	18	12	12	4	.5	.3	0	0	0	0
18	15	20	18	12	12	4	.5	.0	0	0	0	0
19	15	20	18	12	12	4	.5	.0	0	0	0	0
20	1	20	18	12	12	4	.5	.0	0	0	0	0
21	1	22	17	12	12	4	.5	.0	0	0	0	0
22	1	23	17	12	12	4	.5	.0	0	0	0	0
23	1	24	17	12	12	4	.5	.0	0	0	0	0
24	1	24	17	12	12	4	.5	.0	0	0	0	0
25	1	24	17	12	12	4	.5	.0	0	0	0	0
26	0	23	16	12	10	3	.3	.0	0	0	0	0
27	0	23	16	12	10	3	.3	.0	0	0	0	0
28	0	23	16	12	10	3	.3	.0	0	0	0	0
29	0	23	16	12	.....	3	.3	.0	0	0	0	0
30	0	23	16	12	.....	3	.3	.0	0	0	0	0
31	0	.....	16	12	.....	3	.....	.0	.....	0	0	.....
Mean	19	13	18	13	12	6	0.8	0.2	0.3	0	0	0
Max.	100	24	22	15	12	10	2.0	.3	7.0	0	0	0
Min.	0	0	16	12	10	3	.3	.0	.0	0	0	0
A. F.	1182	758	1133	797	655	353	48.0	10.0	20.0	0	0	0
Total Acre-feet	4,956											

MITCHELL FACTORY WASTE--Sec. 28-23-56 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	8	8	8	0	0	0	0	0	0	0	0	0
2	8	8	8	0	0	0	0	0	0	0	0	0
3	8	8	8	0	0	0	0	0	0	0	0	0
4	8	8	8	0	0	0	0	0	0	0	0	0
5	8	8	8	0	0	0	0	0	0	0	0	0
6	8	8	8	0	0	0	0	0	0	0	0	0
7	8	8	8	0	0	0	0	0	0	0	0	0
8	8	8	8	0	0	0	0	0	0	0	0	0
9	8	8	8	0	0	0	0	0	0	0	0	0
10	8	8	8	0	0	0	0	0	0	0	0	0
11	8	8	8	0	0	0	0	0	0	0	0	0
12	8	8	8	0	0	0	0	0	0	0	0	0
13	8	8	8	0	0	0	0	0	0	0	0	0
14	8	8	8	0	0	0	0	0	0	0	0	0
15	8	8	8	0	0	0	0	0	0	0	0	0
16	8	8	8	0	0	0	0	0	0	0	0	0
17	8	8	8	0	0	0	0	0	0	0	0	0
18	8	8	8	0	0	0	0	0	0	0	0	0
19	8	8	8	0	0	0	0	0	0	0	0	0
20	8	8	8	0	0	0	0	0	0	0	0	0
21	8	8	8	0	0	0	0	0	0	0	0	0
22	8	8	8	0	0	0	0	0	0	0	0	0
23	8	8	8	0	0	0	0	0	0	0	0	0
24	8	8	8	0	0	0	0	0	0	0	0	0
25	8	8	8	0	0	0	0	0	0	0	0	0
26	8	8	8	0	0	0	0	0	0	0	0	0
27	8	8	8	0	0	0	0	0	0	0	0	0
28	8	8	8	0	0	0	0	0	0	0	0	0
29	8	8	8	0	.....	0	0	0	0	0	0	0
30	8	8	8	0	.....	0	0	0	0	0	0	0
31	8	.....	8	0	.....	0	.....	0	.....	0	0	.....
Mean	8	8	8	0	0	0	0	0	0	0	0	0
Max.	8	8	8	0	0	0	0	0	0	0	0	0
Min.	8	8	8	0	0	0	0	0	0	0	0	0
A. F.	492	476	492	0	0	0	0	0	0	0	0	0
Total Acre-feet	1,460											

NINE MILE DRAIN NEAR MCGREW—Sec. 25-21-53 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	220	161	140	115	110	98	80	76	93	85	80	70
2	215	162	140	115	110	98	80	74	101	83	83	80
3	210	164	140	115	110	99	77	83	112	82	88	91
4	208	163	140	115	110	96	80	85	105	84	83	83
5	206	162	140	115	109	92	79	80	108	101	85	88
6	204	160	140	110	108	93	80	77	110	90	88	87
7	200	165	140	110	108	92	76	73	102	83	82	78
8	198	171	140	110	108	92	76	74	87	83	83	80
9	197	165	140	109	108	91	74	76	79	84	70	115
10	195	165	140	110	108	89	73	75	97	85	102	112
11	193	165	135	110	105	87	68	75	90	85	100	100
12	192	160	135	110	105	89	68	77	90	83	82	92
13	192	160	134	110	105	87	71	91	91	85	67	92
14	192	160	132	110	105	88	72	96	95	83	69	94
15	191	155	131	110	105	88	71	87	106	84	70	86
16	191	152	130	111	102	86	73	84	104	84	72	92
17	190	152	128	111	102	90	72	79	110	86	77	94
18	190	152	126	111	102	92	69	75	99	85	82	89
19	182	152	125	111	102	90	69	74	90	74	79	85
20	182	152	122	112	102	88	72	74	80	57	80	87
21	182	150	122	112	100	90	73	67	129	81	85	89
22	182	150	122	112	100	90	71	63	115	75	84	93
23	182	150	122	112	100	90	74	50	112	65	89	90
24	174	150	122	112	100	88	74	55	109	53	92	92
25	170	145	122	112	100	85	74	60	103	51	87	110
26	170	145	120	111	92	83	74	82	92	64	82	113
27	170	145	120	111	92	85	73	74	88	56	80	114
28	170	145	120	111	92	83	76	77	88	70	81	114
29	165	145	120	111	.....	83	78	77	88	74	74	104
30	165	145	119	111	.....	82	76	85	85	72	71	124
31	165	.....	118	111	.....	82	.....	92	.....	75	69	.....
Mean	188	156	130	111	104	89	74	76	99	78	81	95
Max.	220	171	140	115	110	99	80	96	129	101	102	124
Min.	165	145	118	109	92	82	68	50	79	51	67	70
A. F.	11590	9260	7980	6850	5750	5490	4410	4690	5870	4760	4990	5630
Total Acre-feet	77,300											

NIORARA RIVER NEAR SPENCER

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	939	1150	1180	544	1220	570	1660	934	731	695	656	780
2	946	1200	1310	725	1880	1110	1430	1020	709	714	642	1720
3	936	1150	1440	881	2010	4070	1440	1640	885	663	661	1590
4	937	1170	1360	1070	1890	4030	1510	2670	1380	713	616	1130
5	955	1120	1400	1080	1900	2080	1540	2200	2020	735	558	968
6	912	890	1320	1140	1760	1510	1490	1660	1100	854	573	940
7	983	1150	1330	1110	1720	1150	1440	1280	1660	802	675	859
8	1030	1380	1210	1240	1620	1280	1310	1170	1220	678	670	822
9	1030	1220	1290	1280	1540	1130	1280	1000	970	600	709	791
10	1080	1250	1170	1220	1620	857	1250	1000	917	629	815	1170
11	1060	1260	451	1180	1610	1840	1220	922	809	625	932	1470
12	1020	1300	435	1310	1860	1640	1130	972	847	625	807	1180
13	1060	1220	473	1320	1970	1300	1060	935	987	602	858	908
14	1130	1170	538	1340	1650	1300	1100	926	1690	635	878	1030
15	1050	1180	674	1370	1610	1220	1150	932	1190	561	908	1200
16	1050	1170	965	1400	1460	1220	1100	842	1090	600	941	964
17	1100	1140	1120	1340	1350	770	1100	771	1000	657	792	919
18	1120	1200	1010	1380	809	1270	1080	768	1050	703	857	870
19	1040	1190	1130	1410	817	1460	1080	699	848	642	727	847
20	1110	1200	1080	1500	1320	1200	1000	731	837	612	896	925
21	1120	1170	1360	1580	1490	1260	1030	802	1000	560	1080	1190
22	1050	1220	1760	1650	912	1400	943	1000	982	486	817	1110
23	1100	1280	2050	1690	776	1450	964	833	835	472	901	1010
24	1120	1400	1530	1750	461	1310	1020	824	792	510	860	6140
25	1100	1260	445	1550	229	1390	1020	790	702	569	886	1720
26	1120	1200	270	1370	218	1290	1030	829	683	641	800	1250
27	1130	1180	322	1330	224	1300	1040	692	680	677	727	1150
28	1160	1160	240	1490	230	1350	1010	684	641	675	702	1070
29	1100	1220	176	1450	.....	1170	992	726	684	673	701	1050
30	1150	1210	273	1270	.....	1080	943	726	942	695	1360	1010
31	1120	.....	448	1190	.....	1850	.....	652	.....	667	839	.....
Mean	1057	1200	960	1295	1291	1479	1179	1014	996	644	801	1259
Max.	1160	1400	2050	1750	2010	4070	1660	2670	2020	854	1360	6140
Min.	912	890	176	544	218	570	943	652	641	472	558	780
A. F.	64970	71420	59030	79660	71710	90960	70140	62340	59270	39610	49280	74940
Total Acre-feet	793,300											

NIOBRARA RIVER AT DUNLAP—Sec. 27-29-48 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	47	25	*	*	75	80	64	17	2	2	14	24
2	47	23	.....	.....	75	74	62	17	2	2	6	100
3	47	23	.....	.....	75	79	60	15	2	1	2	23
4	40	23	.....	.....	75	84	59	14	2	6	2	20
5	40	23	.....	.....	75	87	59	14	2	6	3	12
6	39	27	.....	.....	70	80	61	20	2	6	3	12
7	39	37	.....	.....	70	77	61	18	3	6	18	12
8	39	39	.....	.....	70	76	57	14	4	7	12	12
9	39	42	.....	.....	70	76	55	14	4	7	12	14
10	39	38	.....	.....	70	74	54	3	4	6	21	16
11	39	39	.....	.....	70	76	52	3	4	29	22	18
12	39	42	.....	.....	70	75	50	3	4	32	14	22
13	39	42	.....	.....	70	72	45	3	4	21	14	24
14	39	41	.....	.....	70	72	40	3	5	12	14	22
15	39	42	.....	.....	70	72	43	3	5	3	24	23
16	37	40	.....	*	65	71	40	3	5	3	250	14
17	33	42	.....	70	65	69	40	2	5	3	374	9
18	32	40	.....	*	65	69	41	6	5	3	150	4
19	32	39	.....	.....	65	69	40	10	5	3	75	3
20	32	38	.....	.....	65	70	39	10	6	2	25	3
21	32	38	.....	.....	68	70	38	2	9	3	24	3
22	32	37	.....	.....	67	70	38	2	14	3	24	3
23	32	36	.....	.....	64	70	36	2	8	3	23	3
24	32	36	.....	.....	63	67	34	2	1	3	23	4
25	30	36	.....	.....	60	64	34	2	6	4	22	6
26	30	36	.....	.....	45	63	36	2	6	40	20	7
27	31	36	.....	.....	50	63	36	2	2	74	20	7
28	31	36	.....	.....	55	65	27	2	1	28	22	8
29	27	35	.....	.....	.....	66	21	2	1	21	21	9
30	27	34	.....	*	.....	67	20	2	1	16	22	6
31	27	.....	*	*	.....	66	.....	2	.....	14	24	.....
Mean	36	36	†60	†65	67	72	45	7	4	12	42	15
Max.	47	42	*	*	75	87	64	20	14	74	374	100
Min.	27	23	*	*	45	63	20	2	1	1	2	3
A. F.	2200	2110	†3690	†4000	3710	4430	2660	424	246	732	2580	879
Total Acre-feet	27,700											

* No record.
† Estimated.

OTTER CREEK NEAR LEMOYNE—Sec. 9-15-40 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	25	22	*	24	24	25	21	18	22	17	3	5
2	25	22	.....	24	24	26	20	17	22	17	3	5
3	25	22	.....	24	24	28	18	16	20	17	4	5
4	25	22	.....	24	24	29	18	22	20	16	3	5
5	25	22	.....	24	24	28	18	22	22	21	2	6
6	25	23	.....	28	24	26	18	23	20	19	4	7
7	25	23	.....	28	24	27	19	24	20	16	3	8
8	25	23	.....	28	24	26	19	22	20	18	4	8
9	25	23	.....	29	24	25	20	22	21	19	4	10
10	25	23	.....	28	24	25	19	20	21	19	3	16
11	24	23	.....	28	24	24	20	17	21	18	4	17
12	24	23	.....	28	24	24	20	16	22	18	22	20
13	24	23	.....	28	24	23	20	16	22	18	15	20
14	24	23	.....	28	24	23	20	18	22	19	20	20
15	24	23	.....	28	24	23	20	18	26	18	6	20
16	23	24	.....	24	24	23	20	18	24	20	4	22
17	23	24	.....	24	24	23	20	18	20	20	4	23
18	23	24	.....	24	24	23	20	22	19	20	4	25
19	23	24	.....	24	24	23	20	24	20	18	4	25
20	23	24	.....	24	24	23	20	24	20	20	4	25
21	22	24	.....	24	24	23	20	24	20	18	4	28
22	22	24	.....	24	24	22	20	25	20	18	4	27
23	22	24	.....	24	24	22	20	24	20	18	5	26
24	22	24	.....	24	24	22	20	23	20	3	5	25
25	21	24	.....	24	24	23	20	26	20	3	6	24
26	21	24	.....	24	20	22	19	26	20	8	5	23
27	21	24	.....	24	20	22	19	24	20	6	6	23
28	21	24	.....	24	20	21	18	23	19	6	5	23
29	21	24	.....	24	.....	22	18	24	19	6	5	23
30	21	24	.....	24	.....	21	18	25	19	3	5	23
31	21	.....	*	24	.....	20	.....	.....	.....	3	5	.....
Mean	23	23	†24	25	24	24	19	22	21	15	6	18
Max.	25	24	*	29	24	29	21	26	26	21	22	28
Min.	21	22	*	24	20	20	18	16	19	3	2	5
A. F.	1430	1390	†1480	1560	1310	1460	1150	1320	1230	912	347	1070
Total Acre-feet	14,700											

* No record.
† Estimated.

PAWNEE CREEK--Sec. 4-12-27 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7	8	14	15	9	10	10	6	0	2	0	4
2	7	8	14	15	9	10	10	6	0	2	0	4
3	7	8	14	15	9	10	10	6	2	2	0	4
4	7	8	14	15	9	10	10	6	3	2	0	4
5	7	8	14	15	9	10	10	6	4	2	0	4
6	7	8	14	20	9	9	10	6	3	2	0	4
7	7	8	14	15	9	9	10	6	2	2	0	4
8	7	8	14	15	9	9	10	6	2	2	0	4
9	7	8	14	15	9	9	10	6	2	2	0	10
10	7	8	14	15	9	9	10	6	2	2	0	10
11	7	10	12	12	9	9	10	5	2	3	1	10
12	7	10	12	12	9	9	10	5	7	1	1	10
13	7	10	12	12	9	9	10	5	7	1	1	10
14	7	10	12	12	9	9	10	5	7	1	1	10
15	7	10	12	12	9	9	10	5	7	4	1	10
16	8	10	12	10	9	9	9	4	4	1	2	8
17	8	10	12	10	9	9	9	4	3	1	2	8
18	8	10	12	10	9	9	9	4	3	1	2	8
19	8	10	12	10	9	9	9	3	0	0	2	8
20	8	10	12	10	9	9	9	3	0	0	2	8
21	8	12	10	10	9	9	8	3	1	0	2	6
22	8	12	10	10	9	9	8	3	1	0	2	6
23	8	12	10	10	9	9	8	3	1	0	2	5
24	8	12	10	10	9	9	8	3	1	0	2	6
25	8	12	10	10	9	9	8	2	0	0	2	8
26	8	15	10	10	8	9	7	2	0	0	6	7
27	8	15	10	10	8	9	7	2	0	0	6	7
28	8	16	10	10	8	9	7	2	0	0	6	7
29	8	16	10	10	.....	9	7	1	1	0	6	6
30	8	16	10	10	.....	9	7	0	4	0	6	7
31	8	.....	10	10	.....	9	.....	0	.....	0	6	.....
Mean	8	11	12	12	9	9	9	4	2	1	2	7
Max.	8	16	14	20	9	10	10	6	7	4	6	10
Min.	7	8	10	10	8	9	7	0	0	0	0	4
A. F.	462	631	734	744	494	563	536	246	143	65	121	411
Total Acre-feet	5,150											

PLUM CREEK--Sec. 10-19-49 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4	4	4	4	4	4	3	2	1	0.8	1	1
2	4	4	4	4	4	4	3	2	1	.8	1	1
3	4	4	4	4	4	4	3	2	1	.8	1	1
4	4	4	4	4	4	4	3	2	1	.8	1	1
5	4	4	4	4	4	4	3	2	1	.8	1	1
6	4	4	4	4	3	4	3	2	1	.8	1	1
7	4	4	4	4	3	4	3	2	1	.8	1	1
8	4	4	4	4	3	4	3	2	1	.8	1	1
9	4	4	4	4	3	4	3	2	1	.8	1	1
10	4	4	4	4	3	4	3	2	1	.8	1	1
11	4	4	4	4	3	4	3	2	1	.8	1	2
12	4	4	4	4	3	4	3	2	1	.8	1	2
13	4	4	4	4	3	4	3	2	1	.8	1	2
14	4	4	4	4	3	4	3	2	1	.8	1	2
15	4	4	4	4	3	4	3	2	1	.8	1	2
16	4	4	4	4	3	4	3	1	1	.8	1	2
17	4	4	4	4	3	4	3	1	1	.8	1	2
18	4	4	4	4	3	4	3	1	1	.8	1	2
19	4	4	4	4	3	4	3	1	1	.8	1	2
20	4	4	4	4	3	4	3	1	1	.8	1	2
21	4	4	4	4	3	4	2	1	1	.8	1	2
22	4	4	4	4	3	4	2	1	1	.8	1	2
23	4	4	4	4	3	4	2	1	1	.8	1	2
24	4	4	4	4	3	4	2	1	1	.8	1	2
25	4	4	4	4	3	4	2	1	1	.8	1	2
26	4	4	4	4	3	4	2	1	1	.8	1	2
27	4	4	4	4	3	4	2	1	1	.8	1	2
28	4	4	4	4	3	4	2	1	1	.8	1	2
29	4	4	4	4	.....	4	2	1	1	.8	1	2
30	4	4	4	4	.....	4	2	1	1	.8	1	2
31	4	.....	4	4	.....	4	.....	1	.....	.8	1	.....
Mean	4	4	4	4	3	4	3	2	1	0.8	1	2
Max.	4	4	4	4	4	4	3	2	1	.8	1	2
Min.	4	4	4	4	3	4	2	1	1	.8	1	1
A. F.	246	238	246	246	177	246	159	91	60	49.0	61	99
Total Acre-feet	1,918											

PUMPKIN CREEK NEAR BRIDGEPORT—Sec. 12-19-50 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	40	26	40	43	43	46	42	19	20	23	4	10
2	40	26	40	43	43	46	42	80	21	21	4	10
3	40	26	40	43	43	46	42	121	17	21	4	9
4	40	26	40	43	43	46	43	70	24	22	4	9
5	40	26	40	43	43	46	44	54	27	22	4	8
6	38	25	42	43	41	44	44	49	11	21	4	9
7	35	27	42	43	41	42	43	49	3	21	4	9
8	35	30	42	43	41	42	42	49	1	20	4	9
9	35	30	42	43	41	42	42	36	1	20	4	10
10	35	30	42	43	41	42	42	34	2	19	4	10
11	30	32	42	43	41	43	42	30	4	18	8	9
12	30	32	42	43	41	43	42	17	20	21	19	9
13	30	32	42	43	41	43	42	17	29	23	21	12
14	30	32	42	43	41	43	42	15	30	23	8	18
15	30	32	42	43	41	43	42	13	32	22	4	18
16	25	35	43	43	41	42	42	12	69	13	5	20
17	25	35	43	43	41	42	41	12	51	5	5	25
18	24	35	43	43	41	42	40	12	28	4	5	28
19	24	35	43	43	41	42	38	12	22	4	6	30
20	24	35	43	43	41	42	36	12	27	5	8	24
21	23	35	43	43	41	43	36	12	36	5	9	17
22	23	35	43	43	41	43	34	12	38	5	9	17
23	23	35	43	43	41	43	25	11	40	5	9	16
24	23	35	43	44	41	42	24	11	38	5	8	16
25	23	35	43	44	41	42	23	23	27	5	6	15
26	24	35	43	44	40	42	22	11	21	5	3	14
27	24	36	43	44	40	42	21	10	22	4	9	14
28	24	37	43	44	40	43	20	16	24	4	9	14
29	24	37	43	46	.....	43	21	23	24	4	8	13
30	24	37	43	45	.....	43	20	23	23	4	9	32
31	24	.....	43	45	.....	42	.....	23	.....	4	9	.....
Mean	29	32	42	43	41	43	36	29	24	13	7	15
Max.	40	37	43	46	43	46	44	121	69	23	21	32
Min.	23	25	40	43	40	42	20	10	1	4	3	8
A. F.	1800	1910	2590	2670	2290	2650	2140	1760	1450	789	430	900
Total Acre-feet	21,400											

RED WILLOW CREEK NEAR BAYARD—Sec. 7-20-51 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	150	104	88	79	70	66	58	36	24	66	23	24
2	130	104	88	79	70	67	59	35	23	45	27	31
3	127	103	88	79	70	68	59	48	48	30	23	27
4	124	103	88	79	70	63	64	52	50	31	22	25
5	124	103	88	79	67	63	62	51	27	35	22	24
6	123	102	86	77	66	62	61	47	32	31	22	21
7	123	102	86	77	66	61	61	49	28	32	22	23
8	123	102	86	77	66	63	62	47	30	31	22	21
9	123	102	86	77	66	60	60	45	30	30	22	29
10	121	101	86	77	66	60	60	43	29	60	63	26
11	117	100	84	77	66	60	59	44	57	49	53	26
12	117	100	84	77	66	59	60	42	55	53	52	51
13	116	99	84	77	66	60	60	41	49	51	53	48
14	115	98	84	77	66	61	58	41	49	52	34	48
15	115	98	84	77	66	60	61	40	50	50	117	37
16	114	98	83	76	65	62	61	26	54	34	30	26
17	113	97	83	76	65	59	58	19	40	24	26	23
18	112	96	83	76	65	60	58	27	39	18	25	32
19	111	95	83	76	65	60	56	28	40	18	24	37
20	111	94	83	76	65	59	56	24	38	19	25	30
21	110	94	83	75	65	58	54	23	41	19	24	30
22	109	94	82	75	65	58	53	30	48	19	25	29
23	108	93	82	75	65	58	55	25	49	31	24	30
24	107	93	82	75	65	58	53	34	46	24	24	29
25	107	90	82	75	65	59	46	48	45	24	25	30
26	106	90	82	75	63	59	46	40	43	26	24	30
27	105	90	81	75	63	58	37	37	40	29	24	31
28	105	90	81	72	63	58	37	40	75	27	23	33
29	105	90	81	72	.....	59	37	50	68	27	23	38
30	104	90	81	72	.....	58	36	58	67	29	23	34
31	104	.....	81	72	.....	60	.....	49	.....	24	23	.....
Mean	116	97	84	76	66	61	55	39	44	34	31	31
Max.	150	104	88	79	70	68	64	58	75	66	117	51
Min.	104	90	81	72	63	58	36	19	23	18	22	21
A. F.	7100	5780	5160	4680	3660	3720	3270	2420	2610	2060	1920	1830
Total Acre-feet	44,200											

REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE—Sec. 9-1-42 W.

DATE	Year Ending						September 30, 1934						
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	41	22	*	*	80	76	61	14	11	7	4	13	
2	44	20	.....	.....	80	76	61	24	12	7	4	20
3	44	24	.....	.....	80	74	62	8	11	7	4	18
4	48	25	.....	.....	80	74	65	10	12	6	4	12
5	52	55	*	.....	80	71	71	9	13	6	5	10
6	56	42	77	.....	80	72	68	9	13	7	4	9
7	61	40	*	.....	80	74	68	7	10	6	4	9
8	62	40	.....	.....	80	74	66	7	8	6	4	10
9	52	38	.....	.....	80	74	65	5	10	5	4	18
10	45	37	.....	.....	80	76	64	6	8	5	4	17
11	42	40	.....	.....	79	74	68	7	8	6	33	16
12	41	65	.....	.....	79	72	70	6	9	6	13	18
13	42	61	.....	.....	79	72	65	9	141	4	9	14
14	44	62	.....	.....	79	71	59	28	144	5	11	15
15	66	59	.....	.....	79	71	41	13	301	5	21	13
16	59	61	.....	.....	79	71	23	10	196	5	12	12
17	38	61	.....	.....	79	71	21	9	180	5	10	12
18	38	61	.....	.....	79	72	20	10	93	6	7	12
19	25	68	.....	.....	79	71	22	11	61	6	7	11
20	19	65	.....	.....	79	74	30	12	55	6	9	12
21	28	65	.....	.....	78	71	24	9	38	5	9	12
22	64	62	.....	.....	77	74	20	7	38	5	13	15
23	49	62	.....	.....	80	79	19	8	51	5	18	17
24	41	64	.....	*	80	74	22	12	28	4	14	18
25	23	65	.....	76	83	71	19	35	20	4	17	24
26	21	68	.....	*	82	71	28	31	23	4	10	31
27	22	66	.....	.....	76	70	33	16	18	4	10	32
28	30	68	.....	.....	74	68	23	13	13	4	9	35
29	54	66	.....	.....	.....	66	26	10	8	6	9	37
30	24	66	.....	.....	.....	65	12	8	11	4	8	40
31	22	.....	*	*	.....	64	.....	6	.....	4	9	.....
Mean	42	53	175	173	79	72	43	12	52	5	10	18	
Max.	66	68	*	*	83	79	71	35	301	7	33	40	
Min.	19	20	*	*	74	64	12	5	8	4	4	9	
A. F.	2570	3170	14610	14490	4400	4430	2570	732	3060	327	593	1060	
Total Acre-feet	32,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

* No record.
† Estimated.

REPUBLICAN RIVER AT MAX—Sec. 32-2-36 W.

DATE	Year Ending						September 30, 1934						
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	185	87	*	*	205	364	250	95	5	22	0	6	
2	185	82	.....	.....	205	300	228	78	2	16	0	7
3	176	78	.....	.....	205	255	244	65	0	10	0	10
4	171	74	.....	.....	205	228	264	65	0	8	0	9
5	171	82	229	.....	205	250	255	59	0	8	0	7
6	161	82	*	.....	205	233	327	50	0	9	0	6
7	151	104	.....	.....	205	250	264	47	0	18	0	5
8	137	118	.....	.....	205	233	238	40	0	70	0	5
9	142	123	.....	.....	205	233	244	30	0	32	0	14
10	146	142	.....	.....	205	250	244	23	0	18	0	14
11	146	128	.....	.....	205	273	233	20	0	14	0	12
12	142	128	.....	.....	205	300	228	17	0	11	0	11
13	128	132	.....	.....	205	273	228	16	0	8	0	11
14	118	128	.....	.....	205	244	211	20	15	4	1480	10
15	118	109	.....	.....	205	250	228	25	2580	0	151	9
16	109	113	.....	.....	228	255	190	24	744	0	32	8
17	104	109	.....	.....	244	264	336	18	660	0	18	7
18	137	95	.....	.....	273	291	195	14	472	0	28	7
19	132	113	.....	.....	244	273	156	12	250	0	20	7
20	132	118	.....	.....	206	273	132	11	176	0	13	7
21	123	128	.....	.....	190	244	123	10	156	0	10	8
22	109	113	.....	.....	151	238	113	9	185	0	8	8
23	109	132	.....	*	156	250	113	7	421	0	10	9
24	109	128	.....	199	150	238	87	5	195	0	10	10
25	128	128	.....	*	140	238	74	14	142	0	10	12
26	118	142	.....	.....	100	244	82	16	100	0	9	14
27	109	137	.....	.....	150	250	74	18	61	0	10	15
28	100	118	.....	.....	190	250	100	18	47	0	7	16
29	91	95	.....	.....	.....	244	87	18	37	0	5	16
30	95	87	.....	.....	.....	228	74	17	27	0	5	20
31	113	.....	*	*	.....	250	.....	8	.....	0	6	.....
Mean	132	112	1185	1170	196	257	187	28	209	8	59	10	
Max.	185	142	*	*	273	364	336	95	2580	70	1480	20	
Min.	91	74	*	*	100	228	74	5	0	0	0	5	
A. F.	8120	6650	111380	110450	10900	15800	11150	1720	12450	492	3630	595	
Total Acre-feet	93,300	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

* No record.
† Estimated.

REPUBLICAN RIVER AT CULBERTSON—Sec. 20-3-31 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	126	130	*	*	220	365	154	87	8	24	0	2
2	130	130	.....	.....	220	375	150	78	8	22	0	0
3	126	126	.....*	.....	220	433	182	70	5	11	0	1
4	126	122	258	.....	220	199	199	65	4	0	0	0
5	130	122	*	.....	220	176	182	60	4	0	0	0
6	142	126	.....	.....	230	171	199	53	3	0	0	0
7	138	134	.....	.....	230	171	165	40	0	0	0	0
8	142	150	.....	.....	230	160	165	34	4	0	0	0
9	138	150	.....	.....	230	100	160	26	0	0	0	0
10	146	154	.....	.....	230	118	150	22	0	15	0	1
11	138	150	.....	.....	250	107	165	21	3	14	0	0
12	142	150	.....	.....	250	118	150	21	6	0	0	2
13	150	142	.....	.....	250	142	154	24	14	0	0	2
14	146	138	.....	.....	250	176	154	28	15	0	0	2
15	138	142	.....	.....	250	176	182	19	858	0	182	0
16	134	146	.....	.....	225	150	176	17	1260	0	83	0
17	142	165	.....	.....	225	134	165	19	520	0	24	0
18	138	150	.....	.....	225	130	176	16	385	0	8	0
19	130	154	.....	.....	225	176	176	11	305	0	4	0
20	138	176	.....	.....	225	134	142	5	150	0	4	0
21	126	176	.....	.....	210	176	130	4	87	0	1	0
22	118	182	.....	*	205	194	118	2	100	0	0	0
23	126	193	.....	216	204	218	104	0	78	0	0	0
24	134	182	.....	*	190	210	97	4	255	0	0	0
25	126	154	.....	.....	175	199	100	5	118	0	0	0
26	134	154	.....	.....	125	199	97	5	65	0	0	0
27	130	165	.....	.....	180	176	97	6	51	0	0	0
28	130	142	.....	.....	250	165	94	5	46	0	0	0
29	130	150	.....	.....	.....	150	87	2	40	0	0	0
30	130	160	.....	*	.....	154	94	5	28	0	0	0
31	130	.....	*	*	.....	160	.....	9	.....	0	8	.....
Mean	134	150	†210	†195	220	184	145	25	147	3	10	1
Max.	150	193	*	*	250	433	199	87	1260	24	182	2
Min.	118	122	*	*	125	100	87	0	0	0	0	0
A. F.	8240	8960	†12910	†11990	12230	11330	8660	1510	8770	171	623	20

Total Acre-feet 85,400
 * No record.
 † Estimated.

REPUBLICAN RIVER NEAR BLOOMINGTON—Sec. 8-1-15 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	458	308	*	*	490	725	443	286	46	399	20	191
2	446	332	.....	.....	490	995	471	281	42	298	18	166
3	423	337	.....*	.....	490	1170	465	272	43	233	15	763
4	388	332	723	.....	490	920	483	248	42	198	13	1110
5	388	343	*	.....	490	787	477	260	35	161	12	950
6	365	348	.....	.....	480	676	471	252	31	139	11	399
7	337	332	.....	.....	480	624	489	260	26	125	10	172
8	326	326	.....	.....	480	573	477	232	4680	114	10	125
9	312	337	.....	.....	480	555	471	210	2600	130	14	142
10	308	354	.....	.....	480	537	477	180	1920	118	16	215
11	294	365	.....	.....	475	537	471	156	405	96	16	2520
12	280	371	.....	.....	475	519	443	145	277	82	15	1400
13	285	360	.....	.....	475	483	443	134	189	64	16	1080
14	280	360	.....	.....	475	495	448	151	145	54	16	769
15	294	354	.....	.....	475	477	454	145	395	47	16	446
16	308	354	.....	.....	471	471	465	122	2660	39	18	260
17	294	348	.....	.....	477	471	471	120	5300	32	35	204
18	289	360	.....	.....	495	460	525	110	3980	36	112	164
19	298	360	.....	.....	489	448	501	99	2300	29	142	142
20	294	371	.....	.....	483	438	519	84	1360	27	240	132
21	289	348	.....	.....	519	448	416	76	1040	24	91	125
22	289	348	.....	.....	543	426	438	82	950	23	98	110
23	289	348	.....	.....	555	432	421	74	880	25	68	98
24	289	360	.....	.....	450	443	426	78	985	24	57	87
25	289	360	.....	.....	275	454	438	72	887	24	44	87
26	294	371	.....	.....	190	471	375	70	699	24	35	82
27	280	376	.....	.....	223	465	365	66	612	25	32	78
28	280	371	.....	.....	450	443	346	63	531	22	28	68
29	298	360	.....	.....	.....	460	299	59	428	22	27	66
30	321	348	.....	*	.....	471	290	54	500	21	28	67
31	317	.....	*	499	.....	471	.....	50	.....	21	80	.....
Mean	319	351	†575	†510	459	560	443	145	1133	86	44	407
Max.	458	376	*	*	555	1170	525	286	5300	399	240	2520
Min.	280	308	*	*	190	426	290	50	26	21	10	66
A. F.	19630	20910	†35360	†31360	25480	34400	26340	8910	67410	5310	2680	24230

Total Acre-feet 302,000
 * No record.
 † Estimated.

REPUBLICAN RIVER NEAR HARDY—Sec. 6-1-5 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	430	410	390	*	574	425	528	390	57	446	9	55
2	451	400	462	.....	598	575	550	375	44	415	9	49
3	435	395	666	.....	550	720	528	355	44	365	8	100
4	435	385	556	.....	517	1270	522	365	44	321	7	204
5	425	340	544	.....	539	1150	544	350	49	255	7	350
6	405	420	631	.....	500	922	556	325	41	212	7	778
7	390	370	652	.....	495	805	539	300	36	181	4	659
8	345	350	631	.....	490	712	534	285	29	158	1	370
9	430	350	617	.....	495	666	539	260	1580	132	0	233
10	395	350	598	.....	495	631	522	245	3110	129	0	264
11	390	355	562	.....	490	610	495	240	2670	108	0	145
12	385	335	506	.....	522	624	490	240	1290	111	0	123
13	380	390	512	.....	511	604	490	300	550	90	0	1150
14	390	360	528	.....	522	574	484	235	370	79	0	1170
15	355	360	506	.....	522	568	490	225	360	70	0	922
16	380	370	592	.....	522	568	506	200	287	60	0	659
17	370	370	562	.....	534	550	506	175	696	47	0	451
18	380	355	522	.....	562	568	490	160	5340	38	0	302
19	380	345	512	.....	638	539	473	145	4380	31	0	233
20	380	360	534	.....	598	528	484	150	3190	26	24	173
21	375	360	556	.....	580	522	506	170	2000	18	26	148
22	375	350	592	.....	560	517	478	125	1380	17	52	123
23	405	345	610	.....	480	528	478	115	1080	17	75	111
24	420	311	590	.....	350	517	456	115	922	15	55	108
25	425	330	570	.....	175	517	456	115	796	14	47	105
26	420	335	350	.....	200	522	455	100	970	13	55	126
27	420	335	450	.....	250	506	445	90	744	12	39	108
28	410	345	550	.....	304	500	445	85	574	10	34	111
29	405	345	575	.....	.....	517	425	71	468	10	32	132
30	395	365	575	.....	.....	522	405	60	490	10	41	126
31	405	.....	575	*	.....	528	.....	60	.....	10	23	.....
Mean	400	360	553	†530	485	623	494	207	1120	110	18	320
Max.	451	420	666	*	638	1270	556	390	5340	446	75	1170
Min.	345	311	350	*	175	425	405	60	29	10	0	49
A. F.	24570	21400	34030	†32590	26920	38290	29390	12750	66630	6780	1100	19020

Total Acre-feet 313,000
 * No record.
 † Estimated.

SAND CREEK—Sec. 10-15-40 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	6	5	5	5	5	5	5	1	2	0	1
2	5	6	5	5	5	5	5	5	1	2	0	1
3	5	6	5	5	5	5	5	5	1	2	0	1
4	5	6	5	5	5	5	5	5	1	2	0	1
5	5	6	5	5	5	5	5	5	1	2	2	1
6	5	6	5	5	5	4	5	5	1	2	2	2
7	5	6	5	5	5	4	5	5	1	2	2	2
8	5	6	5	5	5	4	5	5	1	2	2	2
9	5	6	5	5	5	4	5	5	1	2	2	2
10	5	6	5	5	5	4	5	5	1	2	2	2
11	5	5	5	5	4	4	5	4	2	3	1	2
12	5	5	5	5	4	4	5	4	2	3	1	2
13	5	5	5	5	4	4	5	4	2	3	1	2
14	5	5	5	5	4	4	5	4	2	3	1	2
15	5	5	5	5	4	4	5	4	2	3	1	2
16	6	5	5	5	4	4	3	3	1	2	1	2
17	6	5	5	5	4	4	3	3	1	2	1	2
18	6	5	5	5	4	4	3	3	1	2	1	2
19	6	5	5	5	4	4	3	3	1	2	1	2
20	6	5	5	5	4	4	3	3	1	0	1	2
21	6	5	5	5	4	4	2	2	1	0	2	3
22	6	5	5	5	4	4	2	2	1	0	2	3
23	6	5	5	5	4	4	2	2	1	2	2	3
24	6	5	5	5	4	4	2	2	1	2	3	3
25	6	5	5	5	4	4	2	2	1	2	2	3
26	6	5	5	5	4	4	2	2	1	2	2	3
27	6	5	5	5	4	4	1	2	1	2	2	3
28	6	5	5	5	4	5	1	2	1	2	2	3
29	6	5	5	5	.....	5	1	2	1	2	2	3
30	6	5	5	5	.....	5	1	2	1	2	2	3
31	6	.....	5	5	5	5	.....	2	.....	2	2	.....
Mean	6	5	5	5	4	4	3	1	2	1	2	2
Max.	6	6	5	5	5	5	5	5	2	3	2	3
Min.	5	5	5	5	4	4	1	2	1	0	0	1
A. F.	339	317	307	307	242	268	210	192	69	121	77	129

Total Acre-feet 2,578

SARBEN SLOUGH—Sec. 20-14-35 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3	3	4	6	2	2	2	2	2	2	1	1
2	3	3	4	6	2	2	2	2	2	2	1	1
3	3	3	4	6	2	2	2	2	2	2	1	1
4	3	3	4	6	2	2	2	2	2	2	1	1
5	3	3	4	6	2	2	2	2	2	2	1	1
6	3	3	4	6	2	2	2	2	2	1	1	1
7	3	3	4	6	2	2	2	2	2	1	1	1
8	3	3	4	6	2	2	2	2	2	1	2	1
9	3	3	4	6	2	2	2	2	2	1	2	1
10	3	3	4	6	2	2	2	2	2	1	1	3
11	3	3	5	4	2	2	2	2	1	2	1	3
12	3	3	5	4	2	2	2	2	1	2	1	3
13	3	3	5	4	2	2	2	2	1	1	1	3
14	3	3	5	4	2	2	2	2	1	1	1	2
15	3	3	5	4	2	2	2	2	1	1	1	2
16	2	4	5	3	2	2	2	2	1	1	1	2
17	2	4	5	3	2	2	2	2	1	1	1	2
18	2	4	5	3	2	2	2	2	1	1	1	2
19	2	4	5	3	2	2	2	2	1	1	1	2
20	2	4	5	3	2	2	2	2	1	1	1	2
21	2	4	5	3	2	2	2	2	1	1	1	2
22	2	4	5	3	2	2	2	2	1	1	1	3
23	2	4	5	3	2	2	2	2	1	1	1	3
24	2	4	5	3	2	2	2	2	1	1	1	3
25	2	4	5	3	2	2	2	2	1	1	1	3
26	2	4	5	2	2	2	2	2	1	1	2	3
27	2	4	5	2	2	2	2	2	1	1	2	3
28	2	4	5	2	2	2	2	2	1	1	2	3
29	2	4	5	2	.....	2	2	2	1	1	2	3
30	2	4	5	2	.....	2	2	2	1	1	2	3
31	2	.....	5	2	.....	2	2	2	1	1	2	.....
Mean	3	4	5	4	2	2	2	2	1	1	1	2
Max.	3	4	5	6	2	2	2	2	2	2	2	3
Min.	2	3	4	2	2	2	2	2	1	1	1	1
A. F.	153	208	288	242	111	123	119	123	71	75	73	131
Total Acre-feet	1,717											

SCOTTSLUFF DRAIN NO. 1—Sec. 25-22-55 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	22	15	12	10	9	8	8	8	14	16	12	15
2	22	15	12	10	9	8	8	8	14	16	12	15
3	22	15	12	10	9	8	8	8	14	16	12	15
4	22	15	12	10	9	8	8	8	14	16	12	15
5	22	15	12	10	9	8	8	8	14	16	12	15
6	20	14	12	10	8	8	8	8	15	15	13	14
7	20	14	12	10	8	8	8	8	15	15	13	14
8	20	14	12	10	8	8	8	8	15	15	13	14
9	20	14	12	10	8	8	8	8	15	15	13	14
10	20	14	12	10	8	8	8	8	15	15	13	14
11	18	14	12	10	8	8	8	8	10	15	14	14
12	18	14	12	10	8	8	8	8	10	15	14	14
13	18	14	12	10	8	8	8	8	10	15	14	14
14	18	14	12	10	8	8	8	8	10	15	14	14
15	18	14	12	10	8	8	8	8	10	15	14	14
16	16	13	11	9	8	8	8	8	11	16	13	15
17	16	13	11	9	8	8	8	8	11	16	13	15
18	16	13	11	9	8	8	8	8	11	16	13	15
19	16	13	11	9	8	8	8	8	11	16	13	15
20	16	13	11	9	8	8	8	8	11	16	13	15
21	16	13	11	9	8	8	8	8	12	17	12	15
22	16	13	11	9	8	8	8	8	12	17	12	15
23	16	13	11	9	8	8	8	8	12	17	12	15
24	16	13	11	9	8	8	8	8	12	17	12	15
25	16	13	11	9	8	8	8	8	12	17	12	15
26	15	13	11	9	8	8	8	8	12	16	12	15
27	15	13	11	9	8	8	8	8	12	16	12	15
28	15	13	11	9	8	8	8	8	12	16	12	15
29	15	13	11	9	.....	8	8	8	12	16	12	15
30	15	13	11	9	.....	8	8	8	12	16	12	15
31	15	.....	11	9	.....	8	8	8	12	16	12	15
Mean	17	12	11	9	8	8	8	8	10	15	14	15
Max.	22	15	12	10	9	8	8	8	12	17	16	15
Min.	15	13	11	9	8	8	8	8	14	12	12	13
A. F.	1061	704	706	583	454	492	476	645	912	837	902	853
Total Acre-feet	8,625											

SCOTTSBLUFF DRAIN NO. 2—Sec. 34-22-54 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	7	6	5	4	4	4	5	7	7	8	7
2	10	7	6	5	4	4	4	5	7	7	8	7
3	10	7	6	5	4	4	4	5	7	7	8	7
4	10	7	6	5	4	4	4	5	7	7	8	7
5	10	7	6	5	4	4	4	5	7	7	8	7
6	10	7	5	5	4	4	3	6	7	7	8	7
7	10	7	5	5	4	4	3	6	7	7	8	7
8	10	7	5	5	4	4	3	6	7	7	8	7
9	10	7	5	5	4	4	3	6	7	7	8	7
10	10	7	5	5	4	4	3	6	7	7	8	7
11	9	7	5	5	4	4	3	7	7	8	8	6
12	9	7	5	5	4	4	3	7	7	8	8	6
13	9	7	5	5	4	4	3	7	7	8	8	6
14	9	7	5	5	4	4	3	7	7	8	8	6
15	9	7	5	5	4	4	3	7	7	8	8	6
16	9	7	5	5	4	4	3	7	7	8	8	6
17	9	7	5	5	4	4	3	7	7	8	8	6
18	9	7	5	5	4	4	3	7	7	8	8	6
19	9	7	5	5	4	4	3	7	7	8	8	6
20	9	7	5	5	4	4	3	7	7	8	8	6
21	8	6	5	5	4	4	4	7	7	8	8	6
22	8	6	5	5	4	4	4	7	7	8	8	6
23	8	6	5	5	4	4	4	7	7	8	8	6
24	8	6	5	5	4	4	4	7	7	8	8	6
25	8	6	5	5	4	4	4	7	7	8	8	6
26	8	6	5	5	4	4	4	7	7	8	8	6
27	8	6	5	5	4	4	4	7	7	8	8	6
28	8	6	5	5	4	4	4	7	7	8	8	6
29	8	6	5	5	4	4	4	7	7	8	8	6
30	8	6	5	5	4	4	4	7	7	8	8	6
31	8	6	5	5	4	4	4	7	7	8	8	6
Mean	9	10	5	5	4	4	4	7	7	8	8	6
Max.	10	7	6	5	4	4	4	7	7	8	8	7
Min.	8	6	5	4	4	4	3	5	7	7	8	6
A. F.	551	595	317	296	222	246	208	401	417	472	492	377
Total Acre-feet	4,594											

SCOUT CREEK—Sec. 30-14-30 W.

DATE	Year Ending September 30, 1934												
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	26	8	2.0	0.7	0.6	0.5	0.4	20.0	0.2	0.8	0.4	1.0	
2	26	8	2.0	.7	.6	.5	.4	20.0	.2	1.0	.4	1.0	
3	26	8	2.0	.7	.6	.5	.4	20.0	.1	2.0	.4	1.0	
4	26	8	2.0	.7	.6	.5	.4	20.0	.2	3.0	.4	1.0	
5	26	8	2.0	.7	.6	.5	.4	20.0	.2	3.0	.4	1.0	
6	26	8	1.0	.7	.6	.5	.4	20.0	.2	4.0	.4	2.0	
7	26	8	1.0	.7	.6	.5	.4	20.0	.3	4.0	.2	2.0	
8	26	8	1.0	.7	.6	.5	.4	15.0	.3	3.0	.5	2.0	
9	26	8	1.0	.7	.6	.5	.4	15.0	.3	2.0	.5	2.0	
10	26	8	1.0	.7	.6	.5	.4	15.0	.4	2.0	.5	2.0	
11	25	6	1.0	.7	.6	.5	.4	10.0	.4	1.0	.5	2.0	
12	25	6	1.0	.7	.6	.5	.4	10.0	.4	.5	.5	2.0	
13	25	6	1.0	.7	.6	.5	.4	10.0	.5	.2	.5	2.0	
14	25	6	.8	.7	.6	.5	.4	10.0	.5	.2	.5	2.0	
15	25	6	.8	.7	.6	.5	.4	10.0	.8	.2	.5	1.0	
16	20	6	.8	.7	.6	.5	.4	10.0	1.0	.2	.8	2.0	
17	20	6	.8	.7	.6	.5	.4	6.0	16.0	.2	.8	2.0	
18	20	6	.8	.7	.6	.5	.4	.3	20.0	1.0	.8	2.0	
19	20	6	.8	.7	.6	.5	10.0	.3	20.0	2.0	1.0	2.0	
20	20	6	.8	.7	.6	.5	10.0	.3	24.0	2.0	1.0	2.0	
21	15	5	.8	.7	.6	.5	10.0	.3	16.0	.6	1.0	2.0	
22	15	5	.8	.7	.6	.5	10.0	.3	34.0	.6	1.0	3.0	
23	13	5	.8	.7	.6	.5	10.0	.3	24.0	.6	1.0	6.0	
24	10	5	.8	.7	.6	.5	10.0	.3	23.0	.6	1.0	6.0	
25	10	5	.8	.7	.6	.5	10.0	.0	18.0	.6	1.0	6.0	
26	10	4	.8	.7	.6	.5	20.0	.0	3.0	.6	1.0	9.0	
27	10	4	.8	.7	.6	.5	20.0	.0	12.0	.5	1.0	8.0	
28	10	4	.8	.7	.6	.5	20.0	.0	2.0	.5	1.0	8.0	
29	10	4	.8	.7	.....	.5	20.0	.0	2.0	.5	1.0	8.0
30	10	4	.8	.7	.....	.5	20.0	.5	2.0	.5	1.0	8.0
31	10	.....	.8	.7	.....	.5	.....	.4	.....	.5	1.0	.....
Mean	20	6	1.0	0.7	0.6	0.5	6.0	9.0	7.0	1.2	0.7	3.3
Max.	26	8	2.0	.7	.6	.5	.4	20.0	34.0	4.0	1.0	9.0
Min.	10	4	.8	.7	.6	.5	.4	.0	.1	.2	.2	1.0
A. F.	1246	367	64.0	43.0	33.0	31.0	351.0	554.0	440.0	76.0	44.0	194.0
Total Acre-feet	3,443												

SHEEP CREEK NEAR MORRILL—Sec. 16-23-57 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	123	113	102	88	85	88	72	45	4	2	3	11
2	123	113	102	88	85	88	75	33	4	2	3	11
3	122	112	102	88	85	92	79	34	8	2	2	12
4	121	112	102	88	85	80	78	33	5	2	3	12
5	121	112	102	88	85	77	84	4	4	1	2	7
6	121	110	100	87	84	76	81	6	4	1	2	9
7	121	114	100	87	84	75	78	4	4	1	3	9
8	122	118	100	87	84	74	74	4	4	1	2	9
9	122	115	100	87	84	73	74	4	6	1	2	11
10	122	115	100	87	84	74	73	4	4	1	3	5
11	122	110	98	86	84	72	74	4	2	1	4	9
12	122	110	98	86	84	73	74	4	2	1	3	8
13	121	110	97	86	84	72	74	8	2	2	3	8
14	121	110	98	86	84	72	75	6	2	2	3	6
15	121	106	98	86	84	72	76	5	3	1	6	7
16	120	106	98	85	83	73	75	4	3	1	6	7
17	120	106	97	85	83	70	76	4	3	1	6	6
18	120	106	97	85	83	74	75	4	2	1	6	6
19	119	106	95	85	83	70	76	4	2	1	7	6
20	117	106	95	85	83	74	74	3	2	1	10	6
21	117	103	92	85	83	70	74	2	2	2	8	6
22	117	104	92	85	83	70	76	2	3	2	8	6
23	117	105	92	85	83	74	72	2	2	2	8	6
24	115	105	92	85	83	76	68	2	2	3	13	5
25	115	105	92	85	83	70	67	3	2	3	12	6
26	115	104	90	85	80	70	68	3	2	3	12	5
27	115	104	90	85	80	72	67	2	2	3	13	5
28	115	104	90	85	80	70	65	2	2	3	8	5
29	115	104	90	85	.....	75	65	2	2	3	11	5
30	115	104	88	85	.....	77	65	3	2	3	11	4
31	115	.....	88	85	.....	78	.....	4	.....	3	11	.....
Mean	119	108	96	86	83	75	74	8	3	2	6	7
Max.	123	118	102	88	85	92	84	45	8	3	13	12
Min.	115	104	88	85	80	70	65	2	2	1	2	4
A. F.	7320	6450	5900	5290	4630	4600	4370	480	178	110	383	433
Total Acre-feet	40,100											

SILVERNAIL DRAIN—Sec. 6-19-49 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	10	10	8	9	10	7	4	8	8	6	4
2	12	10	10	8	9	10	7	4	8	8	6	5
3	12	10	10	8	9	10	7	4	8	7	6	5
4	12	10	10	8	9	10	7	4	9	7	6	5
5	12	10	10	8	9	10	7	4	8	8	6	5
6	12	11	10	8	9	10	6	4	6	6	6	4
7	12	11	10	8	9	10	6	4	8	6	6	4
8	12	11	10	8	9	10	6	4	9	6	5	5
9	12	11	10	8	9	10	6	4	9	6	6	5
10	12	11	10	8	9	10	6	4	8	6	5	5
11	11	11	10	8	9	9	6	5	9	6	5	5
12	11	11	10	8	9	9	6	5	9	6	5	5
13	11	11	10	8	9	9	6	5	9	6	6	5
14	11	11	10	8	9	9	6	5	9	6	6	5
15	11	11	10	8	9	9	6	5	10	6	6	5
16	11	11	9	8	9	9	5	5	9	4	5	4
17	11	11	9	8	9	9	5	5	10	4	6	4
18	11	11	9	8	9	9	5	5	9	4	6	4
19	11	11	9	8	9	9	5	6	13	3	5	5
20	11	11	9	8	9	9	5	6	8	3	5	5
21	10	11	9	8	9	9	5	6	9	3	5	5
22	10	11	9	8	9	9	5	6	9	2	5	5
23	10	11	9	8	9	9	5	6	10	2	5	5
24	10	11	9	8	9	8	5	6	9	3	5	5
25	10	11	9	9	9	8	5	12	9	3	5	5
26	10	11	9	9	8	8	4	17	9	3	5	5
27	10	11	9	10	8	8	4	8	8	6	5	5
28	10	11	9	10	8	8	4	8	8	6	4	5
29	10	11	9	10	.....	8	4	8	8	6	4	5
30	10	11	9	10	.....	8	4	8	8	6	5	5
31	10	.....	9	10	.....	8	.....	8	.....	6	3	.....
Mean	11	11	9	8	9	9	6	6	9	5	5	5
Max.	12	11	10	10	9	10	7	17	13	8	6	5
Min.	10	10	9	8	8	8	4	4	6	2	3	4
A. F.	674	645	583	516	494	577	327	347	522	321	325	286
Total Acre-feet	5,617											

SKUNK CREEK—Sec. 1-14-37 W.
Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4	3	3	4	3	2	3.0	1.0	1	1.0	0.5	1
2	4	3	3	4	3	2	3.0	1.0	1	1.0	.5	1
3	4	3	3	4	3	2	3.0	1.0	1	1.0	.5	1
4	4	3	3	4	3	2	3.0	1.0	1	1.0	.5	1
5	4	3	3	4	3	2	3.0	1.0	1	1.0	.5	1
6	4	3	3	5	3	2	3.0	.5	1	1.0	.5	1
7	4	3	3	5	3	2	3.0	.5	1	1.0	.5	1
8	4	3	3	5	3	2	3.0	.5	1	1.0	.5	1
9	4	3	3	5	3	2	3.0	.5	1	1.0	.5	1
10	4	3	3	5	3	2	3.0	.5	1	1.0	.5	1
11	4	3	3	5	3	2	2.0	.5	3	1.0	1.0	4
12	4	3	3	5	3	2	2.0	.5	3	1.0	1.0	4
13	4	3	3	5	3	2	2.0	.5	3	1.0	1.0	4
14	4	3	3	5	3	2	2.0	.5	3	1.0	1.0	4
15	4	3	3	5	3	2	2.0	.5	3	1.0	1.0	4
16	3	3	3	4	2	2	2.0	.5	3	1.0	1.0	4
17	3	3	3	4	2	2	2.0	.5	3	.5	1.0	4
18	3	3	3	4	2	2	2.0	.5	3	.5	1.0	4
19	3	3	3	4	2	2	2.0	.5	3	.5	1.0	4
20	3	3	3	4	2	2	2.0	.5	3	.5	1.0	4
21	3	3	4	4	2	2	1.0	.5	2	.5	1.0	3
22	3	3	4	4	2	2	1.0	.5	2	.5	1.0	3
23	3	3	4	4	2	2	1.0	.5	2	.5	1.0	3
24	3	3	4	4	2	2	1.0	.5	2	.5	1.0	3
25	3	3	4	4	2	2	1.0	.5	2	.5	1.0	3
26	3	3	4	3	2	2	.5	.5	2	.5	1.0	3
27	3	3	4	3	2	2	.5	.5	2	.5	1.0	3
28	3	3	4	3	2	2	.4	.5	2	.5	1.0	3
29	3	3	4	3	.....	2	.5	.5	2	.5	1.0	3
30	3	3	4	3	.....	2	.5	.5	2	.5	1.0	3
31	3	.....	4	3	.....	2	.....	.5	.....	.5	1.0	.....
Mean	4	3	3	4	2	2	1.9	0.6	2	0.7	0.8	3
Max.	4	3	4	5	3	2	3.0	1.0	3	1.0	1.0	4
Min.	3	3	3	3	2	2	.4	.5	1	.5	.5	1
A. F.	214	179	206	254	121	123	114.0	36.0	119	46.0	52.0	159
Total Acre-feet	1,623											

SPOTTED TAIL CREEK, DRY—Sec. 28-23-56 W.
Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	85	46	42	41	34	34	34	35	10	18	13	10
2	82	47	42	41	34	34	34	30	9	18	12	11
3	75	47	42	41	34	34	34	30	20	18	8	11
4	68	47	42	41	34	34	34	30	20	18	10	12
5	62	47	42	41	34	34	34	30	20	18	20	10
6	62	47	44	40	34	33	35	20	21	18	7	12
7	62	47	44	40	34	33	35	20	20	16	12	12
8	62	47	44	40	34	33	35	20	20	18	12	14
9	62	43	44	40	34	33	35	20	30	17	12	18
10	62	43	44	40	34	33	35	20	23	16	14	19
11	62	43	44	39	34	33	35	10	25	17	14	18
12	56	43	44	39	34	33	35	10	22	14	14	8
13	54	43	44	39	34	33	35	10	21	16	11	12
14	54	43	45	39	34	33	35	10	21	16	14	15
15	54	39	44	39	34	33	35	5	29	12	16	18
16	54	38	44	39	34	32	35	4	30	10	16	18
17	54	38	44	39	34	32	35	4	24	12	16	17
18	54	38	44	39	34	32	35	4	24	9	14	16
19	54	38	44	39	34	32	35	4	37	16	14	16
20	52	38	44	38	34	32	35	4	24	16	16	20
21	50	38	43	38	34	32	35	6	36	15	12	18
22	50	38	43	38	34	32	35	4	27	12	9	18
23	50	39	43	38	34	32	35	9	27	15	8	18
24	50	40	43	38	34	32	35	1	26	14	10	18
25	50	40	43	38	34	32	35	1	26	20	9	18
26	48	40	43	36	32	33	35	1	26	14	12	18
27	48	40	43	36	32	33	35	1	26	15	12	13
28	48	40	42	36	32	33	35	1	26	16	12	18
29	48	40	43	36	.....	33	35	1	25	16	11	18
30	48	40	43	36	.....	33	35	13	24	17	12	21
31	48	.....	43	36	.....	33	.....	12	.....	16	12	.....
Mean	57	40	45	39	34	33	35	12	24	14	12	16
Max.	85	47	45	41	34	34	35	35	37	20	20	21
Min.	48	38	42	36	32	32	34	1	9	7	7	8
A. F.	3507	2400	2668	2380	1876	2019	2073	754	1426	918	702	942
Total Acre-feet	21,665											

SPOTTED TAIL CREEK, WET--Sec. 1-22-56 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	19	17	18	16	14	13	14	13	15	17	14	16
2	19	17	18	16	14	13	14	13	15	16	14	16
3	19	17	18	16	14	13	14	13	16	16	14	16
4	19	18	18	16	14	13	14	13	15	17	14	16
5	19	18	18	16	14	13	14	13	15	16	15	16
6	18	18	18	15	14	13	14	14	15	14	14	15
7	18	18	18	15	14	13	14	14	15	16	15	16
8	18	18	18	15	14	13	14	14	15	16	16	16
9	18	18	18	15	14	13	14	14	15	17	16	18
10	18	18	18	15	14	13	14	14	15	16	18	16
11	18	18	17	15	14	13	14	16	14	15	15	16
12	18	18	17	15	14	13	14	16	15	16	14	16
13	18	18	17	15	14	13	14	16	15	15	14	16
14	18	18	17	15	14	13	14	16	14	15	14	17
15	18	19	17	15	14	13	14	16	16	15	14	16
16	18	19	17	14	14	13	14	17	18	14	14	16
17	18	19	17	14	14	13	14	16	16	14	15	16
18	18	19	17	14	14	13	14	16	16	15	14	16
19	18	19	17	14	14	13	14	16	16	16	15	17
20	18	19	17	14	14	13	14	16	16	14	15	17
21	18	19	17	14	14	13	13	16	16	14	15	16
22	18	19	17	14	14	13	13	16	16	14	17	16
23	18	19	17	14	14	13	13	15	16	15	16	16
24	18	19	17	14	14	13	13	16	16	14	15	16
25	18	19	17	14	14	13	13	16	16	15	15	16
26	17	19	16	14	14	13	13	16	16	14	15	16
27	17	19	16	14	14	13	13	16	16	15	16	16
28	17	19	16	14	14	13	13	15	16	14	16	16
29	17	19	16	14	.....	13	13	15	16	14	17	16
30	17	19	16	14	.....	13	13	15	16	14	17	16
31	17	.....	16	14	.....	13	.....	15	.....	14	16	.....
Mean	18	18	17	14	14	13	14	15	16	15	15	16
Max.	19	19	18	16	14	13	14	17	18	17	18	18
Min.	17	17	16	14	14	13	13	13	14	14	14	15
A. F.	1105	1097	1053	873	778	799	813	926	926	946	930	960
Total Acre-feet	11,206											

SPRING CREEK--Sec. 4-23-58 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	11	10	9	9	10	10	9	9	8	9	10
2	12	11	10	9	9	10	10	9	9	8	9	10
3	12	11	10	9	9	10	10	9	9	8	9	10
4	12	11	10	9	9	10	10	9	9	8	9	10
5	12	11	10	9	9	10	10	9	9	8	9	10
6	12	11	10	9	9	10	10	9	9	8	9	10
7	12	11	10	9	9	10	10	9	9	8	9	10
8	12	11	10	9	9	10	10	9	9	8	9	10
9	12	11	10	9	9	10	10	9	9	8	9	10
10	12	11	10	9	9	10	10	9	9	8	9	10
11	12	11	10	9	9	11	10	9	9	8	9	10
12	12	11	10	9	9	11	10	9	9	8	9	10
13	12	11	10	9	9	11	10	9	9	8	9	10
14	12	11	10	9	9	11	10	9	9	8	9	10
15	12	11	10	9	9	11	10	9	9	8	9	10
16	12	11	10	9	9	12	10	9	9	8	9	10
17	12	11	10	9	9	12	10	9	9	8	9	10
18	12	11	10	9	9	12	10	9	9	8	9	10
19	12	11	10	8	9	12	10	9	9	8	9	10
20	12	11	10	8	9	12	10	9	9	8	9	10
21	12	11	10	8	9	11	10	9	8	8	9	10
22	12	11	10	8	9	11	10	9	8	8	9	10
23	12	11	10	8	9	11	10	9	8	8	9	10
24	12	11	10	8	9	11	10	9	8	8	9	10
25	12	11	10	8	9	11	10	9	8	8	9	10
26	12	11	10	8	9	11	10	9	8	8	9	10
27	12	11	10	8	9	11	10	9	8	8	9	10
28	12	11	10	8	9	11	10	9	8	8	9	10
29	12	11	10	8	.....	11	10	9	8	8	9	10
30	12	11	10	8	.....	11	10	9	8	8	9	10
31	12	.....	10	8	.....	11	.....	9	.....	8	9	.....
Mean	12	11	10	9	9	11	10	9	9	8	9	10
Max.	12	11	10	9	9	12	10	9	9	8	9	10
Min.	12	11	10	8	9	10	10	9	8	8	9	10
A. F.	738	655	615	528	500	666	595	553	516	492	553	595
Total Acre-feet	7,006											

STREVER CREEK SOUTH OF OVERTON—Sec. 1-8-20 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	20	15	12	12	18	17	10	10	1	8	0	0
2	20	15	12	12	18	17	10	12	1	8	2	0
3	20	15	12	12	18	17	10	8	1	8	2	0
4	20	15	12	12	18	17	10	8	1	8	2	0
5	20	15	12	12	18	17	10	8	1	8	2	0
6	25	10	12	12	18	17	10	8	1	3	5	0
7	25	10	12	12	18	17	10	8	1	3	5	0
8	25	10	12	12	18	17	10	8	1	3	5	0
9	25	10	12	12	18	17	10	8	1	3	5	0
10	25	10	12	12	18	17	10	8	1	3	5	0
11	37	10	12	12	18	17	10	10	1	0	2	0
12	37	10	12	12	18	17	10	10	1	0	2	0
13	37	10	12	12	18	17	10	10	1	0	2	0
14	37	10	12	12	18	17	10	10	1	0	2	0
15	37	10	12	12	18	17	10	10	1	0	2	0
16	37	9	12	12	18	14	10	11	5	0	0	0
17	37	9	12	12	18	14	10	11	5	0	0	0
18	37	9	12	12	18	14	10	11	5	0	0	0
19	37	9	12	12	18	14	10	11	5	0	0	0
20	37	9	12	12	18	14	10	11	5	0	0	0
21	30	9	12	12	18	14	10	9	8	0	0	0
22	30	9	12	12	18	14	10	7	10	0	0	0
23	30	9	12	12	18	14	10	7	14	0	0	0
24	30	9	12	12	18	14	10	5	14	0	0	0
25	30	9	12	12	18	14	10	3	14	0	0	0
26	15	9	12	12	18	12	10	2	19	0	0	0
27	15	9	12	12	18	12	10	2	19	0	0	0
28	15	9	12	12	18	12	10	2	19	0	0	0
29	15	9	12	12	.....	12	10	2	19	0	0	0
30	15	9	12	12	.....	12	10	2	10	0	0	0
31	15	.....	12	12	.....	12	.....	2	.....	0	0	.....
Mean	27	10	12	12	18	15	10	8	6	2	1	0
Max.	37	15	12	12	18	17	10	12	19	8	5	0
Min.	15	9	12	12	18	12	10	2	1	0	0	0
A. F.	1656	615	738	738	1000	926	595	464	369	109	85	0
Total Acre-feet	7,295											

TOOHEY DRAIN—Sec. 20-23-56 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5	5	4	3	2	3	1	1	1	1	1	1.5
2	5	5	4	3	2	3	1	1	1	1	1	1.5
3	5	5	4	3	2	3	1	1	1	1	1	1.5
4	5	5	4	3	2	3	1	1	1	1	1	1.5
5	5	5	4	3	2	3	1	1	1	1	1	1.5
6	5	5	4	3	2	2	1	1	1	1	1	1.5
7	5	5	4	3	2	2	1	1	1	1	1	1.5
8	5	5	4	3	2	2	1	1	1	1	1	1.5
9	5	5	4	3	2	2	1	1	1	1	1	1.5
10	5	5	4	3	2	2	1	1	1	1	1	1.5
11	5	4	3	3	2	2	1	1	1	1	1	1.5
12	5	4	3	3	2	2	1	1	1	1	1	1.5
13	5	4	3	3	2	2	1	1	1	1	1	1.5
14	5	4	3	3	2	2	1	1	1	1	1	1.5
15	5	4	3	3	2	2	1	1	1	1	1	1.5
16	5	4	3	3	2	2	1	1	1	1	1	1.5
17	5	4	3	3	2	2	1	1	1	1	1	1.5
18	5	4	3	3	2	2	1	1	1	1	1	1.5
19	5	4	3	3	2	2	1	1	1	1	1	1.5
20	5	4	3	2	2	2	1	1	1	1	1	1.5
21	5	4	3	2	2	2	1	1	1	1	1	1.5
22	5	4	3	2	2	2	1	1	1	1	1	1.5
23	5	4	3	2	2	2	1	1	1	1	1	1.5
24	5	4	3	2	2	2	1	1	1	1	1	1.5
25	5	4	3	2	2	2	1	1	1	1	1	1.5
26	5	4	3	2	2	2	1	1	1	1	1	1.5
27	5	4	3	2	2	2	1	1	1	1	1	1.5
28	5	4	3	2	2	2	1	1	1	1	1	1.5
29	5	4	3	2	.....	2	1	1	1	1	1	1.5
30	5	4	3	2	.....	2	1	1	1	1	1	1.5
31	5	.....	3	2	.....	2	.....	1	.....	1	1	.....
Mean	5	4	3	3	2	2	1	1	1	1	1	1.5
Max.	5	5	4	3	2	3	1	1	1	1	1	1.5
Min.	5	4	3	2	2	2	1	1	1	1	1	1.5
A. F.	307	258	204	161	111	133	60	61	60	61	61	89.0
Total Acre-feet	1,566											

TOOHEY SPILLWAY—Sec. 19-23-56 W.
Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	30	4	24	21	18	2	1	15	0	0	0	0
2	30	4	24	21	18	2	1	15	0	0	0	0
3	30	4	24	21	18	2	1	15	0	0	0	0
4	28	4	24	21	18	2	1	15	0	0	0	0
5	25	4	24	21	18	2	1	15	0	0	0	0
6	25	4	23	20	18	2	1	0	0	0	0	0
7	25	4	23	20	18	2	1	0	0	0	0	0
8	25	4	23	20	18	2	1	0	0	0	0	0
9	25	4	23	20	18	2	1	0	0	0	0	0
10	25	4	23	20	18	2	1	0	0	0	0	0
11	25	4	23	19	18	2	1	0	0	0	0	0
12	25	4	23	19	18	2	1	0	0	0	0	0
13	25	4	23	19	18	2	1	0	0	0	0	0
14	25	4	23	19	18	2	1	0	0	0	0	0
15	25	4	23	19	18	2	1	0	0	0	0	0
16	10	15	23	18	16	2	1	0	0	0	0	0
17	10	15	23	18	16	2	1	0	0	0	0	0
18	10	15	23	18	16	2	1	0	0	0	0	0
19	10	15	23	18	16	2	1	0	0	0	0	0
20	7	15	23	18	16	2	1	0	0	0	0	0
21	6	24	22	18	16	2	0	0	0	0	0	0
22	6	24	22	18	16	2	0	0	0	0	0	0
23	6	24	22	18	16	2	0	0	0	0	0	0
24	6	24	22	18	16	2	0	0	0	0	0	0
25	6	24	22	18	16	2	0	1	0	0	0	0
26	5	24	22	18	2	2	15	1	0	0	0	0
27	5	24	22	18	2	2	15	1	0	0	0	0
28	5	24	22	18	2	2	15	1	0	0	0	0
29	5	24	22	18	.....	2	15	1	0	0	0	0
30	5	24	22	18	.....	2	15	1	0	0	0	0
31	5	.....	22	18	.....	2	.....	1	.....	0	0	.....
Mean	16	13	22	18	19	2	3	3	0	0	0	0
Max.	30	24	24	21	18	2	15	15	0	0	0	0
Min.	5	4	22	18	2	2	0	0	0	0	0	0
A. F.	992	744	1383	1151	1063	123	188	163	0	0	0	0
Total Acre-feet	5,787											

TUB SPRINGS—Sec. 8-22-55 W.
Year Ending September 30, 1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	82	60	52	48	40	33	28	14	3	4	3	6
2	82	60	52	48	40	33	28	14	50	4	4	7
3	82	60	52	48	40	33	28	10	100	4	4	8
4	83	62	52	48	40	33	28	10	59	29	3	9
5	83	62	52	48	40	33	28	10	57	28	16	22
6	82	62	51	45	39	32	27	5	60	24	3	4
7	82	62	51	45	39	32	27	5	57	25	4	12
8	82	64	51	45	39	32	27	5	61	24	3	15
9	82	58	51	45	39	32	27	5	62	26	3	55
10	82	58	51	45	39	32	27	5	49	20	4	55
11	82	58	51	42	38	31	27	5	61	13	3	46
12	80	58	51	42	38	31	27	5	54	14	10	28
13	76	58	51	42	38	31	27	5	52	15	11	17
14	76	58	50	42	38	31	27	5	17	11	3	37
15	76	53	48	42	38	31	27	5	46	13	3	39
16	76	53	49	40	37	30	27	3	101	4	3	22
17	76	53	51	40	37	30	27	3	66	4	3	22
18	76	53	52	40	37	30	27	4	56	4	3	4
19	76	53	50	40	37	30	27	4	39	4	3	5
20	71	53	50	40	37	30	27	4	63	4	3	42
21	66	53	50	40	36	29	20	3	60	4	3	57
22	66	53	50	40	36	29	20	2	56	4	3	48
23	66	53	50	40	36	29	20	2	43	4	4	52
24	66	53	50	40	36	29	20	2	39	4	7	50
25	66	53	50	40	36	29	20	3	41	5	3	55
26	66	53	50	40	34	28	15	3	40	6	4	55
27	66	53	50	40	34	28	15	3	34	6	3	34
28	66	53	50	40	34	28	15	2	5	6	3	58
29	66	53	50	40	.....	28	15	2	4	4	3	56
30	66	53	49	40	.....	28	15	2	3	4	3	55
31	66	.....	49	40	.....	28	.....	3	.....	4	4	.....
Mean	75	56	50	42	38	30	24	5	48	10	4	33
Max.	83	64	52	48	40	33	28	14	101	29	16	58
Min.	66	53	48	40	36	28	15	2	3	4	3	4
A. F.	4588	3348	3106	2608	2087	1870	1428	303	2852	645	262	1934
Total Acre-feet	25,031											

WHITE HORSE CREEK GANNETT—Sec. 5-13-29 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	11	14	18	20	20	21	10	4	2.0	0.4	2
2	10	11	14	18	20	20	21	10	3	2.0	.4	2
3	10	11	14	18	20	20	21	10	3	2.0	.4	2
4	10	11	14	18	20	20	21	10	3	1.0	.4	2
5	10	11	14	18	20	20	21	10	3	.5	.4	2
6	10	11	14	19	20	20	21	8	3	.5	.4	2
7	10	11	14	19	20	20	21	8	3	.5	.4	2
8	10	11	14	19	20	20	20	8	2	.5	.2	2
9	10	11	14	19	20	20	20	8	2	.5	1.0	15
10	10	11	14	19	20	20	20	8	1	.5	1.0	15
11	10	11	14	19	20	20	18	7	1	.5	2.0	15
12	10	11	14	19	20	20	18	7	1	.1	2.0	15
13	10	11	14	19	20	20	18	7	2	.1	2.0	15
14	10	11	14	19	20	20	18	7	2	.1	2.0	12
15	10	11	14	19	20	20	18	7	3	.1	2.0	12
16	10	11	16	19	20	20	15	7	4	.3	2.0	12
17	10	11	16	19	20	20	15	7	5	.3	2.0	12
18	10	11	16	19	20	20	15	6	6	.3	2.0	12
19	10	11	16	19	20	20	15	5	4	.3	2.0	20
20	10	11	16	19	20	20	15	5	3	.3	2.0	31
21	10	12	16	20	20	20	12	5	4	.2	2.0	19
22	10	12	16	20	20	20	12	5	3	.1	2.0	19
23	10	12	16	20	20	20	12	5	3	.4	2.0	7
24	10	12	16	20	20	20	12	5	3	.4	2.0	7
25	10	12	16	20	20	20	12	4	2	.4	2.0	8
26	10	12	16	20	19	20	10	4	2	.4	2.0	8
27	10	12	16	20	19	20	10	4	39	.6	2.0	8
28	10	12	16	20	19	20	10	4	3	.6	2.0	8
29	10	12	16	20	.....	20	10	3	4	.6	2.0	8
30	10	12	16	20	.....	20	10	3	3	.6	2.0	9
31	10	.....	16	20	.....	20	.....	5	.....	.6	2.0	.....
Mean	10	11	15	14	20	20	19	7	4	0.4	1.5	8
Max.	10	12	16	20	20	20	21	10	39	2.0	2.0	31
Min.	10	11	14	18	19	20	10	3	1	.1	.2	2
A. F.	615	674	924	843	1105	1230	1154	401	246	26.0	93.0	518
Total Acre-feet	7,829											

WHITE RIVER AT CRAWFORD—Sec. 9-31-52 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	15	19	*	*	33	20	28	22	15	10	7	8
2	16	19	.....	.....	33	22	26	22	15	10	7	10
3	17	18	.....	.....	33	26	26	23	18	10	7	11
4	18	18	.....	.....	33	29	28	21	17	10	7	10
5	18	20	.....	.....	33	29	32	21	16	10	8	10
6	19	21	.....	.....	32	29	27	20	16	10	8	12
7	20	24	.....	.....	32	29	27	24	15	11	9	11
8	21	23	.....	.....	32	29	27	21	15	10	8	10
9	22	23	.....	.....	32	29	27	19	15	10	8	13
10	22	22	.....	.....	32	34	29	19	15	10	12	14
11	22	22	.....	.....	31	29	29	19	15	9	11	12
12	22	23	.....	.....	31	29	28	17	15	9	11	10
13	22	24	.....	.....	30	30	27	16	14	9	11	10
14	22	21	.....	.....	30	30	27	16	14	9	10	10
15	22	21	.....	*	30	29	27	16	18	9	10	13
16	22	20	.....	25	27	30	26	16	17	9	10	13
17	22	20	.....	*	27	30	26	16	17	8	9	12
18	21	20	.....	.....	27	29	24	16	15	8	9	10
19	20	20	.....	.....	27	30	24	16	15	8	9	10
20	20	20	.....	.....	27	29	24	15	17	7	9	12
21	19	21	.....	.....	24	28	23	15	15	7	9	15
22	19	21	.....	.....	24	29	24	15	14	7	9	15
23	18	20	.....	.....	25	29	24	15	13	7	10	14
24	18	21	.....	.....	24	30	24	15	13	34	10	15
25	18	21	.....	.....	24	29	24	15	14	16	10	15
26	18	21	.....	.....	22	29	24	14	13	14	11	18
27	20	22	.....	.....	18	29	24	14	13	11	11	18
28	13	22	.....	.....	20	29	24	14	12	10	11	18
29	13	22	.....	.....	.....	30	23	14	11	10	10	18
30	16	22	.....	*	.....	39	22	14	10	9	9	18
31	19	.....	*	*	.....	32	.....	14	.....	7	8	.....
Mean	19	21	†27	†24	28	29	26	17	15	10	9	13
Max.	22	24	*	*	33	39	32	24	18	34	12	18
Min.	13	18	*	*	18	20	22	14	10	7	7	8
A. F.	1180	1250	†1660	†1480	1570	1790	1540	1060	877	631	571	764
Total Acre-feet	14,400											
* No record.												
† Estimated.												

WHITE RIVER NEAR CHADRON—Sec. 18-33-49 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4	22	*	*	34	42	27	5	5	2	0	2
2	5	25	.....	.....	34	68	13	6	6	2	2	2
3	4	20	.....	.....	34	108	9	7	8	2	2	1
4	4	18	.....	.....	34	165	8	5	7	2	2	5
5	4	32	.....	.....	34	80	13	6	6	1	2	8
6	4	25	.....	.....	33	27	30	9	6	0	2	4
7	4	20	.....	.....	33	15	102	4	5	0	102	4
8	4	24	.....	.....	33	16	90	4	5	2	72	5
9	3	25	.....	.....	33	18	65	4	5	4	149	2
10	4	34	.....	.....	33	19	14	4	5	5	13	1
11	6	25	.....	.....	12	19	10	4	5	4	3	2
12	5	25	.....	.....	6	18	8	4	5	4	2	1
13	4	25	.....	.....	8	13	7	4	4	4	2	1
14	5	20	.....	.....	8	9	9	5	4	2	1	0
15	6	19	.....	.....	15	10	44	4	7	1	28	0
16	7	19	.....	.....	22	10	22	4	6	2	185	0
17	11	20	.....	.....	22	19	13	4	6	2	615	1
18	18	19	.....	.....	22	7	8	4	5	2	14	3
19	18	18	.....	.....	22	9	6	6	5	3	4	2
20	19	19	.....	.....	22	12	6	5	7	4	0	1
21	19	16	.....	.....	18	10	5	3	6	3	0	1
22	20	14	.....	.....	18	10	8	3	5	2	0	1
23	24	16	.....	.....	18	10	6	4	4	2	0	2
24	26	14	.....	.....	18	10	7	5	4	4	0	2
25	26	14	.....	.....	18	10	9	5	5	95	0	2
26	30	13	.....	.....	20	8	12	4	4	55	0	4
27	28	16	.....	.....	20	7	7	4	4	7	0	6
28	25	32	.....	.....	20	7	5	2	3	3	0	6
29	25	34	.....	.....	.....	8	7	2	2	2	0	4
30	25	36	.....	.....	.....	16	6	2	2	1	0	5
31	19	.....	*	*	.....	8	.....	4	.....	1	0	.....
Mean	13	22	†30	†28	23	25	19	5	5	7	39	3
Max.	30	36	*	*	34	165	102	9	8	95	615	8
Min.	3	13	*	*	6	7	5	2	2	0	0	0
A. F.	805	1310	†1840	†1720	1280	1560	1140	270	300	443	2390	154
Total Acre-feet	13,210											

* No record.
† Estimated.

WHITE TAIL CREEK—Sec. 36-15-38 W.

DATE	Year Ending September 30, 1934											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	30	32	34	35	32	32	29	27	21	22	22	25
2	30	32	34	35	32	32	29	27	21	22	22	25
3	30	32	34	35	32	32	29	27	21	22	22	25
4	30	32	34	35	32	32	29	27	21	22	22	25
5	30	32	34	35	32	32	29	27	21	22	22	25
6	30	32	34	35	32	32	28	27	21	22	22	24
7	30	32	34	35	32	32	28	27	21	22	20	24
8	30	32	34	35	32	32	28	24	21	22	20	28
9	30	32	34	35	32	32	28	24	21	22	20	42
10	30	32	34	35	32	32	28	24	20	22	20	35
11	30	33	34	34	32	31	28	24	20	22	20	26
12	30	33	34	34	32	31	28	24	20	22	20	30
13	30	33	34	34	32	31	28	24	18	24	20	33
14	30	33	34	34	32	31	28	24	25	25	20	32
15	30	33	34	34	32	31	28	24	25	25	20	31
16	31	33	35	34	32	31	28	24	31	25	21	32
17	31	33	35	34	32	31	28	20	25	25	25	32
18	31	33	35	34	32	31	28	21	25	25	30	32
19	31	33	35	34	32	31	28	21	25	25	30	32
20	31	33	35	34	32	31	28	21	25	25	30	32
21	31	34	35	33	32	30	28	21	25	25	28	32
22	31	34	35	33	32	30	28	21	25	25	28	33
23	31	34	35	33	32	30	28	21	25	25	28	32
24	31	34	35	33	32	30	28	21	19	26	28	32
25	31	34	35	33	32	30	28	21	20	24	28	32
26	31	35	35	32	32	30	28	21	20	24	26	31
27	31	34	35	32	32	30	28	21	20	24	26	30
28	31	34	35	32	32	30	28	21	20	24	26	30
29	31	34	35	32	.....	30	28	21	20	24	26	30
30	31	34	35	32	.....	30	28	22	20	24	26	30
31	31	.....	35	32	.....	30	.....	20	.....	24	26	.....
Mean	31	33	35	34	32	31	28	23	22	24	24	30
Max.	31	34	35	35	32	32	29	27	31	26	30	42
Min.	30	32	34	32	32	30	28	20	18	22	20	24
A. F.	1876	1964	2122	2077	1777	1904	1676	1426	1313	1452	1476	1793
Total Acre-feet	20,856											

WILLOW CREEK—Sec. 15-14-35 W.

DATE	Year Ending September 30, 1934								JUNE	JULY	AUG.	SEPT.
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY				
1	2	2	2	2	2	2	2	1	1	1	2	1
2	2	2	2	2	2	2	2	1	1	1	2	1
3	2	2	2	2	2	2	2	1	1	1	2	1
4	2	2	2	2	2	2	2	1	1	1	2	1
5	2	2	2	2	2	2	2	1	1	1	2	1
6	1	2	2	2	2	2	2	1	1	1	2	1
7	1	2	2	2	2	2	2	1	1	1	2	1
8	1	2	2	2	2	2	2	1	1	1	2	1
9	1	2	2	2	2	2	2	1	1	1	2	1
10	1	2	2	2	2	2	2	1	1	1	2	1
11	1	2	2	2	2	2	2	1	1	1	2	2
12	1	2	2	2	2	2	2	1	1	1	2	2
13	1	2	2	2	2	2	2	1	1	1	2	2
14	1	2	2	2	2	2	2	1	1	1	2	2
15	1	2	2	2	2	2	2	1	1	1	2	2
16	2	2	2	2	1	2	2	1	1	1	2	2
17	2	2	2	2	1	2	2	1	1	1	2	2
18	2	2	2	2	1	2	2	1	1	1	2	2
19	2	2	2	2	1	2	2	1	1	1	2	2
20	2	2	2	2	1	2	2	1	1	1	2	2
21	2	2	2	2	1	1	1	1	1	1	2	2
22	2	2	2	2	1	1	1	1	1	1	2	2
23	2	2	2	2	1	1	1	1	1	1	2	2
24	2	2	2	2	1	1	1	1	1	1	2	2
25	2	2	2	2	1	1	1	1	1	1	2	2
26	2	1	2	2	1	1	1	1	1	1	2	2
27	2	1	2	2	1	1	1	1	1	1	2	2
28	2	1	2	2	1	1	1	1	1	1	2	2
29	2	1	2	2	.....	1	1	1	1	1	2	2
30	2	1	2	2	.....	1	1	1	1	1	2	2
31	2	.....	2	2	.....	1	.....	1	.....	1	2	.....
Mean	2	.....	2	2	2	2	2	1	1	1	2	.....
Max.	2	2	2	2	2	2	2	1	1	1	2	2
Min.	1	1	2	2	1	1	1	1	1	1	2	1
A. F.	103	109	123	123	85	101	99	61	60	61	123	99
Total Acre-feet	1,147											

WINTERS CREEK—Sec. 19-22-54 W.
Year Ending September 30, 1934

DATE	Year Ending September 30, 1934								JUNE	JULY	AUG.	SEPT.
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY				
1	90	85	70	61	60	57	48	5	4	59	6	23
2	90	80	70	61	60	56	52	5	4	11	4	24
3	85	73	70	61	60	54	51	4	59	11	4	23
4	90	81	70	61	60	53	50	4	14	10	4	17
5	97	81	70	61	60	53	49	4	7	15	7	26
6	90	81	70	60	58	54	48	3	7	24	5	26
7	90	81	70	60	58	53	48	3	48	19	5	25
8	90	89	70	60	58	52	48	3	47	20	4	33
9	90	85	70	60	58	52	49	4	45	16	4	50
10	90	85	70	60	58	53	48	10	5	8	4	40
11	90	80	68	59	55	54	45	7	3	8	10	35
12	84	80	68	59	55	54	42	4	3	6	16	28
13	83	80	68	59	55	54	43	8	2	6	16	26
14	83	80	66	59	55	54	46	24	2	6	16	30
15	83	80	65	59	55	54	48	6	6	3	13	38
16	82	75	64	58	55	54	46	6	60	2	14	26
17	82	75	64	58	55	54	45	4	28	2	15	26
18	82	75	64	58	55	55	45	3	22	2	12	20
19	82	75	64	58	55	54	45	12	28	2	12	26
20	81	75	64	58	53	53	44	13	32	2	9	35
21	84	71	63	59	53	53	45	9	26	2	10	34
22	84	72	63	59	53	54	47	13	22	2	14	34
23	84	74	63	59	53	55	50	9	30	2	16	30
24	87	73	63	59	53	54	53	2	43	1	17	32
25	86	73	63	59	53	52	52	5	43	2	14	37
26	86	72	62	59	51	52	48	6	37	2	12	52
27	86	72	62	59	51	52	60	5	26	3	13	57
28	86	72	62	59	51	52	52	3	17	3	16	54
29	86	72	62	59	.....	51	32	3	9	3	14	53
30	86	72	62	59	.....	52	8	6	5	5	17	54
31	86	.....	62	59	.....	51	.....	4	.....	6	13	.....
Mean	86	77	66	59	56	53	46	6	23	9	11	34
Max.	97	89	70	61	60	57	60	24	60	59	17	57
Min.	81	71	62	58	51	51	8	2	2	1	4	17
A. F.	5310	4600	4050	3650	3090	3280	2750	391	1360	522	666	2010
Total Acre-feet	31,700											

SUMMARY OF ANNUAL DISCHARGE

The following table shows the mean annual discharge at selected gaging stations in different sections of the state, and the percentages that the 1933 and 1934 records bear to the mean for each station:

GAGING STATION	*MEAN ANNUAL DISCHARGE IN ACRE-FEET	PERCENTAGE OF MEAN ANNUAL DIS- CHARGE		NUMBER OF YEARS RECORDED
		1933	1934	
North Platte River at Wyoming-Nebraska Line...	674,600	116	54	5
North Platte River at Mitchell.....	1,098,400	61	32	12
North Platte River at Bridgeport.....	1,537,200	74	43	12
Frenchman Creek near Hamlet.....	71,440	103	107	5
Republican River near Bloomington.....	417,600	100	72	5
North Platte River at North Platte.....	1,874,000	85	55	23
Niobrara River near Spencer.....	877,600	100	83	7
Loup River at Columbus.....	1,812,000	.....	85	6
Elkhorn River at Waterloo.....	574,500	81	58	6
Little Blue River near Endicott.....	115,500	97	70	12
Platte River near Ashland.....	4,053,000	85	61	6

* Mean includes 1934

During 1933, the discharge of streams in the western part of the state was generally above the mean for the years of record, while in the eastern part, it was below the mean. The average for the state as a whole was about normal.

In 1934, however, conditions were very different, as the streams in all parts of the state, with one recorded exception were below normal, the percentage of the mean being as low as 32 per cent at Mitchell.

DISCHARGE IN SECOND-FEET OF CANALS, 1933

DATE	ALFALFA CANAL				River AUG.	SEPT.	ALLIANCE CANAL				
	Diverted from		North Platte				Diverted from		Bayard Drain		
	APR.	MAY	JUNE	JULY			MAY	JUNE	JULY	AUG.	SEPT.
1	0	11	27	69	0	20	0	0	40	29	0
2	0	11	19	69	0	20	0	0	41	22	0
3	0	11	15	72	0	20	0	0	42	15	0
4	0	11	10	66	0	20	0	0	44	15	0
5	0	10	10	69	0	20	0	0	25	16	0
6	0	2	8	66	0	20	0	0	24	16	0
7	0	3	0	66	0	20	0	0	23	17	0
8	0	5	0	47	0	20	0	0	23	17	0
9	0	5	0	43	0	20	0	0	26	17	0
10	0	5	0	45	0	20	0	0	29	16	0
11	47	5	0	43	0	40	0	12	32	16	0
12	47	5	0	45	0	40	0	12	35	11	0
13	45	5	35	47	0	40	0	17	35	7	0
14	45	5	26	23	0	40	0	23	36	5	0
15	44	5	54	12	0	40	0	28	41	6	0
16	39	5	60	0	20	30	0	33	47	13	0
17	35	5	57	0	44	30	0	33	47	20	0
18	35	7	47	0	47	30	0	34	47	18	0
19	37	7	50	0	39	30	0	34	48	17	0
20	39	7	41	45	45	30	0	37	49	12	0
21	0	4	37	47	55	20	0	36	48	7	0
22	19	4	54	26	52	20	0	40	48	3	0
23	22	3	44	17	45	20	0	40	53	0	0
24	21	22	42	0	43	20	0	40	58	0	0
25	21	26	41	0	37	20	0	39	53	0	0
26	21	14	43	0	42	0	0	38	49	0	0
27	16	0	43	15	46	0	0	38	37	0	0
28	14	0	43	33	0	0	0	38	43	0	0
29	11	39	43	39	0	0	0	38	44	0	0
30	11	16	44	23	0	0	0	39	45	0	0
31	.....	25	.....	0	19	.....	0	.....	36	0	.....
Mean	19	9	30	33	17	21	0	21	40	10	0
Max.	47	39	60	72	55	40	0	40	58	29	0
Min.	0	0	0	0	0	0	0	0	23	0	0
A. F.	1129	561	1771	2037	1059	1289	0	1287	2475	625	0

Area reported 3086 acres.
Water used 7846 A. F.
Per acre 2.54 A. F.

Area reported 2067 acres.
Water used 4387 A. F.
Per acre 2.02 A. F.

DATE	ALLIANCE CANAL				AUG.	SEPT.
	Diverted from		Red Willow Creek			
	MAY	JUNE	JULY			
1	0	7	37	25	0	
2	0	21	40	25	0	
3	0	15	44	29	0	
4	0	7	44	33	0	
5	0	19	44	37	0	
6	0	20	42	27	0	
7	0	21	40	35	0	
8	0	20	60	43	0	
9	0	19	50	40	0	
10	0	20	47	38	0	
11	0	21	44	44	0	
12	0	21	45	50	0	
13	0	21	47	57	0	
14	0	22	38	65	53	
15	0	24	32	65	40	
16	0	25	36	65	40	
17	0	27	40	64	30	
18	0	24	43	63	22	
19	0	32	47	61	22	
20	0	25	49	0	22	
21	0	18	51	0	20	
22	0	24	54	70	20	
23	0	30	58	73	20	
24	0	35	55	77	20	
25	0	32	52	60	0	
26	7	32	53	40	0	
27	5	32	55	20	0	
28	5	35	53	0	0	
29	0	39	52	0	0	
30	0	38	52	0	0	
31	12	.....	52	0	.....
Mean	1	24	47	39	10	
Max.	12	39	60	77	53	
Min.	0	7	32	0	0	
A. F.	57	1440	2888	2392	613	

Area reported 4325 acres.
Water used 7390 A. F.
Per acre 1.71 A. F.
* No record.

DATE	ATKINS-POLLY CANAL				AUG.	SEPT.
	Diverted from		Lodgepole Creek			
	MAY	JUNE	JULY			
1	*	0	0.5	0.8	0.0	
2	0	.5	.8	.0	
3	0	.5	.7	.0	
4	0	.5	.7	.0	
5	0	.5	.8	.0	
6	0	.5	.8	.0	
7	0	.5	.8	.0	
8	0	.0	.8	.0	
9	0	.0	.7	.0	
10	0	.0	.7	.0	
11	0	.0	.7	.0	
12	0	.6	.8	.0	
13	0	.6	.0	.0	
14	0	.6	.0	.0	
15	0	.6	.0	.6	
16	0	.6	.0	.6	
17	0	.6	.7	.6	
18	0	.6	.7	.6	
19	0	.7	.7	.6	
20	0	.5	.7	.7	
21	0	.5	.8	.0	
22	1.2	.5	.8	.0	
23	1.3	.5	.7	.0	
24	1.5	.7	.7	.0	
25	1.5	.7	.7	.0	
26	1.5	.8	.0	.0	
27	1.5	.8	.0	.0	
28	1.5	.7	.0	.0	
29	1.4	.6	.0	.0	
30	1.4	.7	.0	.0	
317	.0	.....
Mean	0.4	0.5	0.5	0.1	
Max.	1.5	.8	.8	.7	
Min.0	.0	.0	.0	
A. F.	25.0	32.0	31.0	7.0	

Area reported 83 acres.
Water used 95 A. F.
Per acre 0.87 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

DATE	BARBER CANAL Diverted from Clear Creek					BAY STATE CANAL Diverted from Lodgepole Creek				
	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	7	5	0	*	0	0	2	0
2	0	0	7	6	0	.....	0	0	2	0
3	0	9	7	6	0	.....	0	0	2	0
4	0	9	7	7	0	.....	0	0	2	0
5	0	9	7	8	0	.....	0	0	0	0
6	0	8	7	5	0	.....	0	0	0	0
7	0	8	6	2	0	.....	0	0	2	0
8	0	8	6	3	0	.....	0	0	1	0
9	0	7	5	3	0	.....	0	0	1	0
10	0	7	5	3	0	.....	0	0	1	0
11	0	7	5	3	0	.....	0	0	1	0
12	0	7	4	3	0	.....	0	0	1	0
13	0	7	4	3	0	.....	0	0	1	0
14	0	11	0	3	0	.....	0	1	1	0
15	0	10	3	3	0	.....	0	0	0	3
16	0	10	6	3	0	.....	0	1	0	3
17	0	9	7	3	0	.....	0	2	0	3
18	0	8	8	3	0	.....	0	2	4	0
19	1	7	9	3	0	.....	0	2	4	0
20	1	7	10	3	0	.....	0	2	2	0
21	1	4	9	4	0	.....	0	1	1	0
22	1	4	9	4	0	.....	0	1	2	0
23	1	1	8	4	0	.....	0	1	2	0
24	0	2	8	5	0	.....	3	0	1	0
25	1	5	8	5	0	.....	2	0	1	0
26	1	9	8	5	0	.....	1	0	0	0
27	1	9	6	5	0	.....	0	0	0	0
28	1	9	5	4	0	.....	0	0	0	0
29	1	8	5	3	0	.....	0	0	0	0
30	1	7	5	2	0	.....	0	1	0	0
31	1	.....	5	2	.....	.....	.....	2	0	.....
Mean	0.5	6	6	4	0	.....	0.2	0.5	1	0.3
Max.	1.0	11	10	8	0	.....	3.0	2.0	4	3.0
Min.	.0	0	0	2	0	.....	.0	.0	0	.0
A. F.	26.0	403	389	240	0	.....	12.0	32.0	68	18.0

Area reported 776 acres.
Water used 1256 A. F.
Per acre 1.62 A. F.

Area reported 83 acres.
Water used 130 A. F.
Per acre 1.57 A. F.

DATE	BEERLINE CANAL Diverted from North Platte River				
	OCT.	MAY	JUNE	JULY	AUG. SEPT.
1	5	4	2	3	5 7
2	5	5	2	5	5 7
3	5	5	4	5	6 7
4	5	6	4	6	6 7
5	5	8	4	6	6 7
6	5	8	3	7	6 7
7	5	8	3	7	7 7
8	5	8	3	7	5 7
9	5	8	3	6	5 7
10	5	6	3	5	5 7
11	5	5	3	4	5 10
12	5	5	3	4	5 18
13	5	5	3	3	5 16
14	5	5	4	2	5 10
15	5	5	3	4	5 8
16	5	5	3	4	5 5
17	5	5	8	5	6 5
18	5	5	8	5	6 5
19	5	5	8	5	6 5
20	5	5	8	2	6 5
21	0	5	8	2	7 5
22	0	5	9	2	7 5
23	0	5	9	3	6 5
24	0	6	9	4	6 5
25	0	7	9	6	7 5
26	0	5	9	3	7 5
27	0	4	9	3	7 5
28	0	3	7	3	7 5
29	0	3	7	2	7 5
30	0	3	2	2	7 5
31	0	3	.....	2	7 5
Mean	3	5	5	4	6 6
Max.	5	8	8	7	7 18
Min.	0	3	2	2	5 5
A. F.	198	335	317	252	367 410

Area reported 2080 acres.
Water used 1879 A. F.
Per acre 0.90 A. F.
* No record.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

BELMONT AND EMPIRE CANALS							
Diverted from North Platte River							
DATE	OCT.	NOV.	MAY	JUNE	JULY	AUG.	SEPT.
1	94	40	37	60	171	182	16
2	90	40	43	88	174	185	16
3	86	40	45	86	171	181	60
4	79	40	43	90	160	176	68
5	79	40	43	85	176	167	66
6	73	40	44	51	188	167	62
7	66	0	43	68	176	160	53
8	60	0	37	70	174	153	72
9	60	0	37	70	174	142	87
10	73	0	37	70	181	167	74
11	70	0	40	80	181	160	66
12	70	0	46	80	178	163	38
13	70	0	46	86	185	165	40
14	75	0	47	94	185	174	22
15	80	0	47	107	193	171	20
16	85	0	47	138	193	171	20
17	90	0	51	144	158	174	24
18	90	0	51	147	186	171	33
19	90	0	49	151	186	178	28
20	90	0	42	144	186	178	30
21	80	0	46	149	188	160	30
22	80	0	37	163	188	157	30
23	80	0	44	170	188	153	30
24	80	0	47	177	184	153	33
25	80	0	45	177	148	123	38
26	60	0	41	167	165	60	28
27	60	0	43	160	174	72	24
28	60	0	41	167	186	60	24
29	60	0	41	167	186	13	24
30	60	0	37	167	186	13	27
31	60	.....	40	.....	186	13	.....
Mean	75	8	43	119	179	141	39
Max.	94	40	51	177	193	185	87
Min.	60	0	37	51	148	13	16
A. F.	4443	477	2652	7087	11018	8652	2346

BELMONT CANAL SUMMARY IN ACRE-FEET

	OCT.	NOV.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
From North Platte River.....	4443	477	2652	7087	11018	8652	2346	36666
From Cedar Creek.....	0	0	270	460	331	216	0	1277
Total	4443	477	2922	7538	11349	8868	2346	37943
Empire Canal.....	0	0	153	823	1267	93	50	2386
Net to Belmont	4443	477	2769	6715	10082	8775	2296	35557

Area reported..... 14079 acres.
 Water used..... 35557 A. F.
 Per acre..... 2.52 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

BELMONT FEEDER							BIRDWOOD CANAL					
DATE	Diverted from Cedar Creek			AUG.	SEPT.	Diverted from Birdwood Creek						
	MAY	JUNE	JULY			OCT.	MAY	JUNE	JULY	AUG.	SEPT.	
1	0	0	5	6	0	7	0	13	36	21	5	
2	0	0	5	6	0	7	0	13	25	9	5	
3	0	9	5	6	0	0	0	22	24	9	5	
4	0	9	5	6	0	0	0	21	24	7	5	
5	0	9	5	6	0	0	0	21	28	7	4	
6	0	9	5	6	0	5	0	23	32	10	10	
7	0	9	5	10	0	5	0	26	28	8	15	
8	0	9	5	6	0	6	0	24	27	7	16	
9	0	9	5	6	0	7	0	20	27	7	18	
10	0	9	5	6	0	9	0	28	22	7	19	
11	0	9	5	4	0	11	0	32	20	10	20	
12	0	9	5	4	0	9	0	25	20	20	20	
13	0	9	5	4	0	8	0	28	32	18	9	
14	0	9	0	4	0	7	0	17	32	20	8	
15	10	9	0	4	0	9	0	16	14	20	8	
16	10	9	5	5	0	9	0	16	4	22	12	
17	10	9	5	5	0	9	0	20	7	12	6	
18	10	9	5	5	0	9	14	16	34	10	7	
19	10	9	5	5	0	9	14	11	39	14	6	
20	10	9	5	5	0	9	14	8	44	20	6	
21	10	9	7	0	0	9	18	11	47	15	6	
22	10	9	7	0	0	9	16	13	32	10	6	
23	10	9	7	0	0	9	16	22	21	9	6	
24	10	9	9	0	0	9	16	32	17	7	8	
25	4	6	11	0	0	9	16	34	25	6	11	
26	3	6	6	0	0	14	14	39	24	6	18	
27	3	5	6	0	0	14	14	32	20	6	20	
28	5	5	6	0	0	14	14	34	28	13	18	
29	7	5	6	0	0	14	14	36	41	12	16	
30	7	7	6	0	0	14	30	36	36	7	22	
31	7	.....	6	0	.....	14	14	.....	34	6	.....
Mean	4	7	5	3	0	8	7	22	27	12	11	
Max.	10	9	11	10	0	14	30	39	47	22	22	
Min.	0	5	0	0	0	0	0	8	4	6	4	
A. F.	270	460	331	216	0	514	444	1367	1674	704	664	

Area reported 5507 acres.
Water used 5367 A. F.
Per acre 1.03 A. F.

BICKEL CANAL					
DATE	Diverted from Lodgepole Creek			AUG.	SEPT.
	MAY	JUNE	JULY		
1	*	2	2	2	0
2	2	2	2	0
3	2	2	2	0
4	2	2	2	0
5	2	2	2	0
6	1	2	1	0
7	1	2	1	0
8	1	2	1	0
9	1	2	1	0
10	1	2	1	0
11	1	2	1	0
12	1	2	1	0
13	1	2	1	0
14	1	2	1	0
15	1	2	1	0
16	1	3	1	0
17	1	3	1	0
18	1	3	1	0
19	1	3	1	0
20	0.5	2	1	0
215	2	1	0
225	2	1	0
235	2	1	0
245	2	1	0
255	2	1	0
265	2	1	0
275	2	1	0
28	1.0	3	1	0
295	3	1	0
305	3	1	0
31	3	1	.....
Mean	1.0	2	1	0
Max.	2.0	3	2	0
Min.5	2	1	0
A. F.	59.0	138	71	0

Area reported 100 acres.
Water used 268 A. F.
Per acre 2.68 A. F.
* No record.

BLUE CREEK CANAL							
DATE	Diverted from Blue Creek				AUG.	SEPT.	
	APR.	MAY	JUNE	JULY			
1	0	12	10	39	15	0	
2	0	12	10	39	6	0	
3	0	12	9	39	5	0	
4	0	12	10	38	4	0	
5	0	12	17	32	11	0	
6	0	12	26	36	9	0	
7	0	12	27	38	15	0	
8	8	12	27	18	18	0	
9	15	12	18	11	17	0	
10	17	12	20	27	19	0	
11	17	8	21	33	36	0	
12	17	8	26	35	42	0	
13	17	8	18	39	41	0	
14	17	8	16	41	30	0	
15	17	8	8	9	20	0	
16	17	3	23	9	10	0	
17	17	3	29	18	5	0	
18	17	3	32	40	10	0	
19	17	3	40	41	13	0	
20	17	3	38	40	18	0	
21	12	7	3	41	20	0	
22	12	7	19	35	21	0	
23	12	7	35	29	21	0	
24	12	7	30	35	21	0	
25	12	7	28	41	23	0	
26	12	10	39	38	18	0	
27	12	10	38	38	15	0	
28	12	10	38	38	15	0	
29	12	10	35	40	15	0	
30	12	10	37	38	10	0	
31	.....	10	.....	40	0	.....
Mean	11	9	25	33	17	0
Max.	17	12	40	41	42	0
Min.	0	3	3	9	0	0
A. F.	655	535	1502	2053	1037	0

Area reported 2487 acres.
Water used 5782 A. F.
Per acre 2.32 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued
BROWN CREEK CANAL

DATE	Diverted from North			Platte River		SEPT.
	OCT.	MAY	JUNE	JULY	AUG.	
1	15	0	21	75	65	0
2	15	0	20	70	91	0
3	15	0	21	83	89	0
4	15	0	22	66	94	0
5	15	0	27	75	91	10
6	15	0	36	78	94	18
7	15	0	45	76	76	18
8	15	0	27	71	84	18
9	15	0	71	48	82	18
10	15	0	80	26	81	18
11	10	0	81	25	82	18
12	10	0	83	50	85	18
13	10	0	86	48	82	18
14	10	0	86	48	90	18
15	10	0	89	56	77	18
16	2	0	83	55	75	17
17	2	0	88	57	73	17
18	0	0	83	32	83	17
19	0	0	83	67	92	17
20	0	0	76	69	98	17
21	0	0	80	73	82	17
22	0	0	69	67	82	17
23	0	0	70	78	73	17
24	0	0	76	76	80	17
25	0	0	79	80	82	17
26	0	0	70	75	0	20
27	0	0	71	79	0	20
28	0	0	74	65	0	20
29	0	0	83	68	0	20
30	0	0	81	75	0	20
31	0	0	.....	79	0	.....
Mean	6	0	65	64	67	15
Max.	15	0	89	80	98	20
Min.	0	0	20	25	0	0
A. F.	404	0	3897	3947	4132	912

Area reported 6142 acres.
 Water used 13292 A. F.
 Per acre 2.16 A. F.

CASTLE ROCK CANAL

DATE	Diverted from North			Platte River		AUG.	SEPT.
	OCT.	APR.	MAY	JUNE	JULY		
1	30	0	50	56	88	71	70
2	20	0	54	54	88	66	64
3	10	0	37	56	90	64	64
4	10	0	44	50	90	66	64
5	10	0	56	86	62	71	64
6	10	0	60	91	44	71	64
7	10	0	66	81	44	71	64
8	10	0	64	61	44	61	70
9	10	0	43	76	50	61	76
10	10	0	30	71	56	61	60
11	0	0	20	71	58	29	50
12	0	0	20	96	61	24	40
13	0	0	17	126	68	42	40
14	0	0	16	126	91	46	36
15	0	0	16	126	86	56	40
16	0	0	16	96	86	71	40
17	0	0	52	81	81	76	40
18	0	0	46	86	76	81	40
19	0	0	44	91	76	81	40
20	0	0	44	86	86	71	40
21	0	0	30	91	86	71	40
22	0	0	39	91	61	42	40
23	0	20	65	86	81	51	40
24	0	30	96	91	81	53	40
25	0	40	100	91	66	56	40
26	0	42	56	91	81	52	60
27	0	44	50	91	81	49	78
28	0	46	50	92	76	82	60
29	0	46	56	87	76	116	50
30	0	48	44	90	76	90	50
31	0	.....	41	.....	73	80	.....
Mean	*13	15	46	85	73	66	52
Max.	30	48	100	126	91	116	78
Min.	10	0	16	50	44	24	40
A. F.	258	627	2820	5094	4489	4052	3102

Area reported 6112 acres.
 Water used 14620 A. F.
 Per acre 2.40 A. F.

* Estimated.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued
CENTRAL CANAL

DATE	Diverted from North Platte River				AUG.	SEPT.
	APR.	MAY	JUNE	JULY		
1	0	12	16	33	32	20
2	0	21	16	72	33	20
3	0	23	17	72	33	30
4	0	6	23	37	30	30
5	0	7	13	54	29	30
6	0	9	29	41	32	44
7	0	11	29	30	23	44
8	0	15	25	50	32	27
9	0	23	29	50	29	11
10	0	7	26	37	37	11
11	0	10	29	37	38	4
12	0	12	25	30	27	4
13	0	13	29	33	23	4
14	0	14	32	37	21	4
15	0	10	32	50	27	4
16	0	11	28	54	27	14
17	0	12	29	68	30	14
18	0	3	36	41	30	14
19	0	3	23	59	20	14
20	0	4	32	63	23	14
21	0	17	24	26	24	24
22	0	33	27	30	27	24
23	0	26	24	63	29	24
24	5	8	6	39	26	24
25	10	19	13	63	24	24
26	16	19	30	45	33	9
27	15	18	22	23	42	9
28	15	7	23	50	30	9
29	14	4	32	37	19	9
30	13	15	29	37	19	9
31	.....	21	.....	59	19	.....
Mean	3	13	25	46	28	17
Max.	16	33	36	68	42	44
Min.	0	3	6	23	19	4
A. F.	175	819	1491	2816	1722	1035

Area reported 2246 acres.

Water used 7883 A. F.

Per acre 3.50 A. F.

CHAMPION CANAL

DATE	Diverted from Frenchman River				AUG.	SEPT.
	APR.	MAY	JUNE	JULY		
1	15	22	10	0	0	12
2	15	22	10	0	12	12
3	15	22	10	0	12	12
4	15	22	10	0	12	12
5	15	22	10	0	12	12
6	15	22	10	0	12	12
7	15	22	10	0	12	12
8	15	22	10	0	12	12
9	15	0	10	0	12	12
10	15	0	10	0	12	12
11	20	0	10	0	13	12
12	20	0	10	0	13	12
13	20	0	10	0	13	12
14	20	0	10	0	14	12
15	20	0	0	0	14	12
16	20	10	0	0	14	12
17	20	10	0	0	14	12
18	20	10	0	0	14	12
19	20	10	0	0	14	12
20	28	10	0	0	14	12
21	28	11	0	0	0	12
22	28	11	0	0	0	12
23	28	11	0	0	0	12
24	28	11	0	0	0	12
25	28	11	0	0	0	12
26	28	11	0	0	0	12
27	28	11	0	0	0	12
28	28	11	0	0	0	12
29	28	11	0	0	0	12
30	28	11	0	0	0	12
31	.....	11	.....	0	0	.....
Mean	21	11	4	0	8	12
Max.	28	22	10	0	14	12
Min.	15	0	0	0	0	12
A. F.	1265	686	278	0	510	714

Area reported 1207 acres.

Water used 4863 A. F.

Per acre 4.02 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued										
CHIMNEY ROCK CANAL						CLEAR CREEK CANAL				
Diverted from North Platte River						Diverted from Clear Creek				
DATE	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	22	60	72	18	0	0	1	2	0
2	0	23	57	66	18	0	0	1	2	0
3	0	37	54	66	18	0	0	1	2	0
4	0	34	42	66	18	0	0	1	0	0
5	0	39	36	63	18	0	0	1	0	0
6	0	41	45	66	18	0	0	1	0	0
7	0	44	45	27	18	0	0	1	0	0
8	0	58	40	54	18	0	0	0	0	0
9	0	63	43	54	20	0	0	0	0	0
10	0	70	54	54	23	0	3	0	0	0
11	0	73	63	57	27	0	3	0	0	0
12	0	60	75	64	33	0	2	0	0	0
13	0	24	78	66	28	0	2	0	0	0
14	0	27	75	64	40	0	2	0	0	0
15	0	27	78	63	35	0	2	0	0	0
16	0	60	70	62	30	0	2	0	0	0
17	0	78	66	62	17	0	3	0	0	0
18	0	75	66	63	24	0	3	0	0	0
19	0	84	69	44	22	0	2	0	0	0
20	0	81	69	63	15	0	1	0	0	0
21	0	81	66	63	24	0	0	0	0	0
22	0	69	68	60	20	0	0	0	0	0
23	0	69	72	57	20	0	0	0	0	0
24	0	72	78	57	20	0	0	0	0	0
25	40	75	75	61	20	0	0	0	0	0
26	25	72	70	61	10	0	0	0	0	0
27	27	70	72	62	10	0	0	3	0	0
28	24	69	74	59	10	0	1	3	0	0
29	17	54	69	56	10	0	1	3	0	0
30	18	66	72	40	10	0	1	3	0	0
31	31	.....	69	20	.....	0	.....	2	0	.....
Mean	6	57	64	58	20	0	1	1	0.2	0
Max.	40	84	78	72	40	0	3	3	2.0	0
Min.	0	22	36	20	10	0	0	0	.0	0
A. F.	361	3405	3907	3554	1214	0	55	40	12.0	0
Area reported 5628 acres.						Area reported 200 acres.				
Water used 12441 A. F.						Water used 107 A. F.				
Per acre 2.20 A. F.						Per acre 0.53 A. F.				

CODY-DILLON CANAL						
Diverted from North Platte River						
DATE	OCT.	MAY	JUNE	JULY	AUG.	SEPT.
1	24	3	26	40	33	19
2	24	2	17	36	29	19
3	24	3	16	32	25	19
4	24	3	13	28	25	19
5	24	3	9	36	26	19
6	24	2	11	44	18	20
7	24	2	13	46	11	20
8	24	0	8	48	11	20
9	24	0	4	53	11	20
10	24	0	2	59	14	20
11	10	0	0	54	11	20
12	10	3	0	50	11	20
13	10	3	1	44	12	20
14	10	3	0	38	12	20
15	10	3	0	30	12	20
16	10	0	0	23	12	24
17	10	0	0	24	25	24
18	10	0	8	25	25	24
19	10	0	10	25	26	24
20	10	0	12	26	26	24
21	6	0	10	37	27	20
22	6	0	11	48	28	20
23	6	0	19	47	29	20
24	6	0	28	42	30	20
25	6	0	20	36	31	20
26	6	0	12	32	23	20
27	6	0	28	31	15	20
28	6	0	44	30	22	20
29	6	0	44	30	30	20
30	6	4	45	32	30	20
31	6	26	.....	33	32	.....
Mean	13	2	14	37	22	20
Max.	24	26	45	59	33	24
Min.	6	0	0	23	11	19
A. F.	805	120	815	2299	1333	1220
Area reported 4824 acres.						
Water used 6592 A. F.						
Per acre 1.36 A. F.						

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

COURT HOUSE ROCK CANAL

DATE	Diverted from Pumpkinseed Creek						AUG.	SEPT.
	OCT.	NOV.	APR.	MAY	JUNE	JULY		
1	8	16	0	22	28	12	12	16
2	8	16	0	22	29	12	12	16
3	8	16	0	23	29	12	12	16
4	8	16	0	23	31	12	12	16
5	8	16	0	23	30	12	12	16
6	8	16	0	24	33	12	12	16
7	8	16	0	24	34	13	12	16
8	8	16	0	24	36	13	12	16
9	12	16	0	24	37	12	13	16
10	12	16	0	24	39	12	13	16
11	12	16	0	25	41	12	13	14
12	12	0	0	26	45	12	13	14
13	12	0	0	27	45	12	13	14
14	12	0	0	26	20	12	13	14
15	12	0	0	26	0	13	13	14
16	12	0	0	26	0	13	13	14
17	12	0	0	26	0	13	13	14
18	12	0	0	26	0	12	13	14
19	12	0	0	24	0	12	13	14
20	10	0	0	24	12	12	14	14
21	10	0	10	24	23	12	15	14
22	10	0	10	23	22	12	16	14
23	10	0	10	26	22	12	13	14
24	10	0	10	23	21	12	13	14
25	10	0	10	22	21	0	15	14
26	15	0	25	24	18	0	17	14
27	15	0	25	31	16	0	17	14
28	15	0	25	31	14	0	17	14
29	15	0	25	29	13	0	16	14
30	15	0	25	28	12	11	16	14
31	15	.....	.....	28	.....	12	16	.....
Mean	11	6	6	25	22	10	14	14
Max.	15	16	25	31	45	13	17	16
Min.	8	0	0	22	0	0	12	14
A. F.	656	349	347	1543	1330	627	841	873

Area reported 1339 acres.

Water used 6566 A. F.

Per acre 4.90 A. F.

COZAD CANAL

DATE	Diverted from Platte River				AUG.	SEPT.
	OCT.	MAY	JUNE	JULY		
1	108	0	0	143	72	79
2	113	0	0	131	32	79
3	115	0	0	133	51	74
4	122	0	48	156	116	86
5	128	0	49	140	0	86
6	141	0	76	24	0	79
7	155	0	82	0	58	79
8	155	0	76	98	229	84
9	152	0	90	141	150	86
10	140	0	93	201	67	84
11	119	0	76	226	48	128
12	119	0	64	231	211	154
13	116	0	134	216	239	122
14	125	0	131	114	259	102
15	60	0	105	141	254	80
16	0	0	32	145	269	60
17	0	0	97	141	279	60
18	0	0	122	111	234	56
19	0	0	105	72	174	60
20	0	0	26	0	58	66
21	0	0	0	0	91	102
22	0	0	0	0	69	102
23	0	0	0	40	143	84
24	0	0	0	129	147	79
25	0	0	0	131	102	79
26	0	0	28	0	100	74
27	0	0	56	0	84	79
28	0	0	105	0	95	71
29	0	0	128	60	100	74
30	0	0	119	100	84	64
31	0	0	.....	113	31	.....
Mean	60	0	61	102	124	83
Max.	155	0	134	231	279	154
Min.	0	0	0	0	0	56
A. F.	3705	0	3654	6222	7628	4982

Area reported 20190 acres.

Water used 26191 A. F.

Per acre 1.30 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued
CULBERTSON CANAL

DATE	Diverted from Frenchman River							
	OCT.	NOV.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	77	87	0	73	116	105	75	7
2	79	90	0	72	109	94	83	20
3	77	100	0	74	111	86	94	20
4	77	100	0	65	111	89	102	22
5	77	107	0	41	106	80	97	38
6	80	107	0	38	105	83	91	36
7	84	107	0	39	101	83	94	36
8	93	100	0	42	97	83	75	36
9	100	100	0	71	101	100	94	34
10	107	96	0	76	105	100	86	36
11	117	90	0	68	104	97	91	22
12	117	90	0	35	110	89	87	6
13	140	90	0	36	111	89	80	5
14	150	90	0	35	109	94	84	5
15	147	90	0	35	108	94	89	5
16	150	90	0	33	104	102	86	5
17	155	0	50	31	103	86	89	7
18	150	0	68	31	96	100	91	8
19	150	0	90	29	91	105	89	10
20	150	0	98	28	89	108	89	25
21	150	0	96	32	86	105	89	24
22	140	0	87	40	80	105	70	24
23	130	0	84	50	97	100	63	24
24	130	0	85	64	100	94	30	24
25	115	0	85	71	97	97	54	24
26	117	0	83	74	97	97	50	23
27	107	0	82	72	94	97	56	24
28	87	0	79	36	91	90	30	25
29	87	0	76	97	86	83	11	30
30	87	0	73	109	102	80	15	32
31	84	.....	.....	107	.....	78	7	.....
Mean	113	96	38	55	105	93	72	21
Max.	155	107	98	109	111	108	102	38
Min.	77	90	0	28	86	78	7	5
A. F.	6964	2864	2253	3380	5984	5738	4445	1263

Area reported 9555 acres.

Water used 32891 A. F.

Per acre 3.45 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued
DAWSON COUNTY CANAL

DATE	Diverted from Platte River					SEPT.
	APR.	MAY	JUNE	JULY	AUG.	
1	0	167	166	301	115	192
2	0	177	147	318	237	185
3	0	121	147	336	380	189
4	117	74	147	222	362	194
5	121	128	194	215	327	192
6	124	176	189	242	388	188
7	126	145	183	269	380	186
8	128	93	182	414	380	185
9	124	10	215	396	353	185
10	149	20	197	266	388	215
11	163	20	185	296	388	230
12	163	30	142	388	396	193
13	157	20	139	380	545	193
14	158	10	153	245	310	193
15	163	10	153	230	336	177
16	166	73	159	207	185	170
17	167	5	121	128	142	185
18	159	145	104	121	107	193
19	159	166	46	200	73	185
20	215	147	35	179	267	185
21	200	142	185	196	252	188
22	117	128	237	179	230	188
23	81	18	215	283	237	163
24	117	18	222	283	283	163
25	149	18	252	260	275	156
26	132	10	252	237	292	163
27	160	203	215	230	275	177
28	160	207	237	215	260	177
29	160	219	237	163	275	185
30	173	260	267	55	222	185
31	.....	275	.....	50	185	.....
Mean	133	104	177	241	278	185
Max.	215	275	267	414	396	230
Min.	0	5	35	50	73	156
A. F.	7950	6417	10558	14884	17147	11028

DAWSON COUNTY CANAL—SUMMARY IN ACRE-FEET

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
From Platte River.....	7950	6417	10558	14885	17147	11028	67984
Waste into Buffalo Creek.....	*	137	0	170	79	*	386
Elm Creek.....	*	0	12	45	10	*	67
French Creek.....	*	2501	892	1632	3531	*	8556
Total waste.....	*	2638	904	1847	3620	*	9009
Net draft.....	7950	3779	9654	13038	13527	11028	58975

Area reported..... 91390 acres.
 Water used..... 58975 A. F.
 Per acre..... 0.65 A. F.

* No record.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued
ELM CREEK CANAL

DATE	Diverted from Platte River					
	OCT.	MAY	JUNE	JULY	AUG.	SEPT.
1	15	22	6	15	2	40
2	15	19	2	14	2	40
3	15	22	2	14	2	40
4	15	18	2	14	3	40
5	15	13	2	14	5	40
6	15	10	2	13	8	40
7	15	16	3	12	6	40
8	15	3	3	21	5	40
9	15	6	18	31	10	40
10	15	3	11	32	16	40
11	10	10	5	32	15	35
12	10	8	13	33	15	35
13	10	4	2	33	20	35
14	10	5	9	50	24	35
15	10	5	16	80	23	35
16	10	4	17	50	22	33
17	10	4	18	21	16	33
18	10	4	16	18	10	33
19	10	4	14	15	7	33
20	10	4	14	14	5	33
21	10	5	14	13	13	35
22	10	6	15	4	21	35
23	10	6	16	28	17	35
24	10	6	18	13	13	35
25	10	6	21	17	17	35
26	10	5	22	15	22	40
27	10	6	22	13	28	40
28	10	6	19	9	34	40
29	10	6	16	6	35	40
30	10	6	15	5	37	40
31	10	8	.....	4	37	.....
Mean	12	8	11	21	16	37
Max.	15	22	22	80	37	40
Min.	10	3	2	4	2	33
A. F.	714	480	680	1295	972	2212

Area reported 6195 acres.
 Water used 6353 A. F.
 Per acre 1.03 A. F.

EMPIRE CANAL

DATE	Diverted from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	2	32	6	2
2	0	3	32	4	2
3	0	3	28	3	2
4	0	3	25	3	2
5	4	3	25	3	2
6	4	0	26	2	2
7	4	0	27	2	2
8	4	0	27	1	2
9	4	0	29	1	2
10	3	0	32	1	2
11	3	0	26	1	1
12	3	0	21	1	1
13	3	6	21	1	1
14	3	6	21	1	1
15	3	8	24	1	1
16	0	10	27	1	0
17	3	10	26	1	0
18	3	10	26	1	0
19	3	19	26	1	0
20	3	29	21	1	0
21	3	25	19	1	0
22	3	21	17	1	0
23	3	26	15	1	0
24	3	32	14	1	0
25	3	32	11	1	0
26	2	32	8	1	0
27	2	33	8	1	0
28	2	35	8	1	0
29	2	34	7	1	0
30	2	33	5	1	0
31	2	.....	5	1	.....
Mean	2	13	21	1	1
Max.	4	35	32	6	2
Min.	0	0	5	1	0
A. F.	153	823	1267	93	50

Area reported 1885 acres.
 Water used 2386 A. F.
 Per acre 1.27 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

ENTERPRISE CANAL

Diverted from North Platte River

DATE	OCT.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	0	35	65	90	70	50
2	10	0	33	62	93	73	50
3	10	0	32	63	94	72	50
4	10	0	33	62	91	70	50
5	10	0	33	65	97	50	50
6	10	0	35	69	98	70	60
7	10	0	33	80	94	66	60
8	10	0	35	93	92	71	58
9	10	0	39	94	72	63	57
10	10	0	41	83	88	69	38
11	10	0	41	90	85	70	57
12	10	0	24	102	88	71	38
13	10	0	24	90	93	70	38
14	10	0	33	77	98	72	38
15	10	0	33	79	97	71	32
16	10	0	38	78	91	72	27
17	10	25	37	80	96	70	27
18	10	50	34	77	97	70	22
19	10	50	34	72	96	68	27
20	10	50	33	75	89	70	22
21	10	50	34	78	78	72	22
22	10	50	65	69	93	73	22
23	10	50	47	76	92	69	14
24	10	50	59	76	95	70	14
25	10	34	71	69	94	69	22
26	0	34	59	64	97	70	22
27	0	34	57	84	97	70	10
28	0	34	57	86	98	50	0
29	0	34	63	86	96	44	0
30	0	34	63	103	97	70	0
31	0	.....	64	.....	95	70	.....
Mean	8	9	41	78	93	68	32
Max.	10	50	71	103	98	73	60
Min.	0	0	24	62	72	44	0
A. F.	496	1150	2616	4655	5695	4175	1938

ENTERPRISE CANAL—SUMMARY IN ACRE-FEET

	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
From North Platte River.....	2616	4655	5695	4175	1938	19079
Morrill Drain.....	0	71	129	184	161	545
Stewarts Drain.....	61	85	117	61	89	413
Spotted Tail, Wet.....	490	555	738	738	666	3187
Tub Springs.....	40	1027	1134	1188	397	3786
Total.....	3207	6393	7813	6346	3251	27010
Area reported.....	8144 acres.					
Water used.....	27010 A. F.					
Per acre.....	3.32 A. F.					

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

DATE	ENTERPRISE CANAL					ENTERPRISE CANAL				
	Diverted from Morrill			Drain	SEPT.	Diverted from Stewarts			Drain	SEPT.
MAY	JUNE	JULY	AUG.	MAY		JUNE	JULY	AUG.	SEPT.	
1	0	0	2	3	3	1	1	2	1	1
2	0	0	2	3	3	1	1	2	1	1
3	0	0	2	3	3	1	1	2	1	1
4	0	0	2	3	3	1	1	2	1	1
5	0	0	2	3	3	1	1	2	1	1
6	0	0	2	3	3	1	1	2	1	1
7	0	0	2	3	3	1	1	2	1	1
8	0	1	2	3	3	1	1	2	1	1
9	0	1	2	3	3	1	1	2	1	1
10	0	1	2	3	3	1	1	2	1	1
11	0	1	2	3	3	1	1	2	1	1
12	0	1	2	3	3	1	1	2	1	1
13	0	1	2	3	3	1	1	2	1	1
14	0	1	2	3	3	1	1	2	1	1
15	0	1	2	3	3	1	1	2	1	1
16	0	1	2	3	3	1	1	2	1	2
17	0	1	2	3	3	1	1	2	1	2
18	0	2	2	3	3	1	2	2	1	2
19	0	2	2	3	3	1	2	2	1	2
20	0	2	2	3	3	1	2	2	1	2
21	0	2	2	3	3	1	2	2	1	2
22	0	2	2	3	3	1	2	2	1	2
23	0	2	2	3	3	1	2	2	1	2
24	0	2	2	3	3	1	2	2	1	2
25	0	2	2	3	3	1	2	2	1	2
26	0	2	2	3	3	1	2	2	1	2
27	0	2	2	3	3	1	2	2	1	2
28	0	2	2	3	0	1	2	2	1	2
29	0	2	3	3	0	1	2	1	1	2
30	0	2	3	3	0	1	2	1	1	2
31	0	.....	3	3	.....	1	.....	1	1	.....
Mean	0	1	2	3	3	1	1	2	1	2
Max.	0	2	3	3	3	1	2	2	1	2
Min.	0	0	2	3	0	1	1	1	1	1
A. F.	0	71	129	184	161	61	85	117	61	89
Water used	545	A. F.				Water used	413	A. F.		

DATE	ENTERPRISE CANAL					ENTERPRISE CANAL				
	Diverted from Spotted Tail			Creek,	Wet	Diverted from Tub			Springs	SEPT.
MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.	
1	7	8	12	12	12	0	19	21	20	0
2	7	8	12	12	12	0	30	22	18	0
3	7	8	12	12	12	0	31	21	22	0
4	7	8	12	12	12	0	30	0	0	10
5	7	8	12	12	12	0	32	21	0	10
6	7	8	12	12	12	0	31	22	0	27
7	7	8	12	12	12	0	25	21	25	27
8	7	8	12	12	12	0	29	21	25	27
9	7	8	12	12	12	0	19	21	27	27
10	7	8	12	12	12	0	19	22	26	27
11	7	10	12	12	12	0	31	21	26	15
12	7	10	12	12	12	0	30	22	29	15
13	7	10	12	12	12	0	0	22	29	15
14	7	10	12	12	12	0	0	23	30	0
15	7	10	12	12	12	0	15	18	30	0
16	7	10	12	12	12	0	15	12	30	0
17	7	10	12	12	12	0	17	2	30	0
18	7	10	12	12	12	0	0	14	29	0
19	7	10	12	12	12	0	0	22	29	0
20	7	10	12	12	12	0	0	22	29	0
21	7	10	12	12	12	0	0	19	29	0
22	7	10	12	12	12	20	0	21	28	0
23	7	10	12	12	12	0	10	0	29	0
24	7	10	12	12	12	6	10	13	29	0
25	7	10	12	12	12	0	15	21	30	0
26	7	10	12	12	12	0	23	21	0	0
27	7	10	12	12	12	0	24	21	0	0
28	7	10	12	12	12	0	15	22	0	0
29	7	10	12	12	0	0	24	18	0	0
30	7	10	12	12	0	0	24	22	0	0
31	7	.....	12	12	.....	0	.....	24	0	.....
Mean	7	9	12	12	12	1	17	18	19	6
Max.	7	10	12	12	12	20	32	24	30	27
Min.	7	8	12	12	0	0	0	0	0	0
A. F.	490	555	738	738	666	40	1027	1134	1188	397
Water used	3187	A. F.				Water used	3786	A. F.		

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued
FT. LARAMIE CANAL

DATE	Diverted from North Platte River, in Wyoming											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	51	131	164	164	100	125	0	496	1457	1475	1265
2	0	104	131	160	160	63	125	275	510	1476	1450	1265
3	0	104	131	161	144	50	125	338	660	1500	1450	1261
4	0	104	131	169	168	25	128	385	792	1468	1450	1259
5	0	104	150	164	164	76	125	395	898	1443	1400	1261
6	0	131	150	164	136	95	140	395	1049	1443	1385	1319
7	0	131	150	164	79	90	140	395	1142	1450	1387	1332
8	0	131	156	160	177	36	140	324	1142	1447	1389	1357
9	0	131	181	148	173	50	140	299	1135	1443	1385	1394
10	0	131	168	164	173	74	140	299	1247	1443	1389	1403
11	0	131	181	136	164	70	140	299	1282	1441	1389	1405
12	0	131	165	148	148	75	140	299	1327	1441	1387	1407
13	0	127	169	160	160	82	140	304	1385	1443	1409	1272
14	0	131	173	152	144	87	138	302	1396	1460	1450	1242
15	0	131	170	142	190	87	140	313	1458	1476	1454	1186
16	0	131	160	133	173	95	140	192	1467	1482	1446	1102
17	0	131	154	148	186	106	140	124	1467	1463	1450	988
18	0	131	152	160	157	97	17	126	1487	1464	1450	965
19	0	131	169	157	177	87	0	228	1500	1468	1450	929
20	0	131	163	168	100	96	0	374	1510	1476	1462	894
21	0	131	174	173	181	100	0	397	1510	1473	1450	828
22	0	131	166	162	150	100	0	423	1475	1481	1450	808
23	0	114	175	144	160	100	0	427	1380	1473	1450	790
24	0	108	160	148	125	107	0	244	1332	1468	1454	786
25	0	108	152	156	90	105	0	251	1300	1473	1446	794
26	0	108	148	152	100	113	0	0	1264	1476	1446	790
27	0	108	144	153	100	103	0	300	1262	1473	1450	712
28	0	119	173	138	112	125	0	414	1343	1473	1363	700
29	0	131	169	133	.....	125	0	415	1419	1473	1392	624
30	0	131	168	130	.....	125	0	414	1455	1510	1285	542
31	0	.....	171	164	.....	125	.....	461	.....	1510	1261	.....
Mean	0	120	159	154	148	89	77	304	1236	1467	1418	1063
Max.	0	131	181	169	190	125	140	461	1510	1510	1475	1407
Min.	0	51	131	130	79	36	0	0	496	1441	1261	542
A. F.	0	7170	9790	9470	8240	5490	4610	18670	73570	90180	87190	63230

Estimated 105,000 acres irrigated including Goshen Irrigation District acreage.
 Water used 377610 A. F.
 Per acre 3.60 A. F.

DATE	GERING CANAL						
	OCT.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	100	0	95	132	207	146	157
2	100	0	92	135	210	151	158
3	100	0	93	91	218	151	146
4	100	0	95	91	218	151	146
5	100	0	97	103	207	146	145
6	30	0	93	121	207	139	139
7	0	0	86	249	207	146	172
8	0	0	81	246	207	146	161
9	0	0	82	242	202	146	172
10	0	0	86	240	173	146	195
11	0	0	89	239	123	146	198
12	0	0	91	232	146	146	199
13	0	0	89	210	151	146	200
14	0	0	83	201	146	148	153
15	0	0	81	197	139	146	148
16	0	0	72	211	139	146	130
17	0	0	69	270	134	146	119
18	0	0	72	259	146	146	113
19	0	0	76	259	146	151	113
20	0	0	79	225	146	151	110
21	0	0	77	202	146	146	110
22	0	0	75	209	146	139	112
23	0	0	103	207	146	146	114
24	0	0	123	208	146	148	112
25	0	81	124	207	146	149	119
26	0	85	135	213	146	153	121
27	0	85	138	202	146	153	121
28	0	85	127	202	146	148	101
29	0	90	115	210	146	150	96
30	0	90	126	216	139	151	96
31	0	.....	120	.....	146	150	.....
Mean	17	17	96	201	164	148	139
Max.	100	90	138	259	218	153	200
Min.	0	0	69	91	123	139	96
A. F.	1050	1020	5879	11958	10058	9070	8283

Area reported 14184 acres.
 Water used 45248 A. F.
 Per acre 3.19 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

GRAF CANAL							HANNAH CANAL				
DATE	Diverted from Blue Creek					SEPT.	Diverted from North Platte River				
	MAY	JUNE	JULY	AUG.			MAY	JUNE	JULY	AUG.	SEPT.
1	0	15	18	19	19	*	0	0	3	0	0
2	0	14	16	18	18	.....	0	0	3	0	0
3	0	12	14	21	.....	.....	0	0	3	0	0
4	0	16	19	16	.....	.....	0	0	3	0	0
5	0	17	14	12	.....	.....	0	0	3	0	0
6	0	17	17	23	.....	.....	0	0	3	0	0
7	0	14	0	23	.....	.....	0	0	4	0	0
8	1	0	14	23	.....	.....	0	0	4	0	0
9	1	15	13	25	.....	.....	0	0	3	0	0
10	1	16	16	23	.....	.....	0	0	3	0	0
11	1	16	19	24	.....	.....	0	0	3	0	0
12	1	13	19	22	.....	.....	0	0	3	0	0
13	1	11	15	8	.....	.....	0	0	3	0	0
14	1	10	9	3	.....	.....	0	0	3	0	0
15	1	10	22	12	.....	.....	0	0	3	0	0
16	1	11	26	14	.....	.....	0	1	1	0	0
17	1	13	24	13	.....	.....	0	1	1	0	0
18	1	15	16	15	.....	.....	0	1	1	0	0
19	1	29	14	14	.....	.....	0	1	1	0	0
20	4	24	16	11	.....	.....	0	1	1	0	0
21	5	17	17	12	.....	.....	0	2	0	0	0
22	8	20	17	12	.....	.....	0	2	1	0	0
23	8	19	26	11	.....	.....	0	3	1	1	0
24	8	19	23	11	.....	.....	0	3	0	1	0
25	10	28	20	7	.....	.....	0	3	0	1	0
26	11	24	18	5	.....	.....	0	3	0	2	0
27	13	16	25	0	.....	.....	0	3	0	0	0
28	16	10	25	0	.....	.....	0	3	0	0	0
29	17	12	12	0	.....	.....	0	1	0	0	0
30	16	16	14	0	.....	.....	0	1	0	0	0
31	15	.....	17	1	.....	.....	0	.....	0	0	.....
Mean	4	15	17	13	.....	.....	0	1	2	0.2	0
Max.	17	29	26	25	.....	.....	0	3	4	2.0	0
Min.	0	0	0	0	.....	.....	0	0	0	.0	0
A. F.	284	930	1081	789	.....	.....	0	57	127	10.0	0

Area reported 2180 acres.
Water used 3084 A. F.
Per acre 1.41 A. F.

Area reported 206 acres.
Water used 194 A. F.
Per acre 0.94 A. F.

HOLLINGSWORTH CANAL						
DATE	Diverted from South Platte River					
	MAY	JUNE	JULY	AUG.	SEPT.	
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	1	0	0	0	0
12	0	1	0	0	0	0
13	0	1	0	0	0	0
14	0	1	0	0	0	0
15	0	1	0	0	0	0
16	0	1	0	0	0	0
17	0	1	0	0	0	0
18	0	2	0	0	0	0
19	0	3	0	0	0	0
20	0	3	0	0	0	0
21	0	3	0	0	0	0
22	0	3	0	0	0	0
23	0	0	0	0	0	0
24	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	1	0	0	0	0
27	0	1	0	0	0	0
28	0	1	0	0	0	0
29	0	1	0	0	0	0
30	0	1	0	0	0	0
31	0	.....	0	0	.....	.....
Mean	0	1	0	0	0	0
Max.	0	1	0	0	0	0
Min.	0	0	0	0	0	0
A. F.	0	52	0	0	0	0

Area reported 363 acres.
Water used 52 A. F.
Per acre 0.14 A. F.
* No record.

HOLLOWAY-PHELPS CANAL						
DATE	Diverted from White Tail Creek					
	MAY	JUNE	JULY	AUG.	SEPT.	
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	4	0	0
11	0	0	0	4	0	0
12	0	0	0	4	0	0
13	0	0	0	4	0	0
14	0	0	0	5	0	0
15	0	0	0	6	0	0
16	0	0	0	5	0	0
17	0	0	0	5	1	0
18	0	0	0	2	2	0
19	0	0	0	2	1	0
20	0	0	0	2	0	0
21	0	0	0	2	1	0
22	0	0	0	2	2	0
23	0	0	0	2	1	0
24	0	0	0	0	0	0
25	0	0	0	1	0	0
26	0	0	0	0	0	0
27	0	0	0	0	0	0
28	0	0	0	0	0	0
29	0	0	0	0	0	0
30	0	0	0	0	0	0
31	0	.....	0	0	.....	.....
Mean	0	0	0	2	0.2	0
Max.	0	0	0	6	2.0	0
Min.	0	0	0	0	.0	0
A. F.	0	0	100	16.0	0	0

Area reported 270 acres.
Water used 116 A. F.
Per acre 2.32 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

DATE	HOOPER CANAL Diverted from Blue Creek					HURLEY-LILLY-POLLY CANAL Diverted from Lodgepole Creek					
	APR.	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	0	8	2	16	12	0	0	2	4	0
2	10	1	17	10	23	12	0	0	3	4	0
3	10	2	17	10	12	12	0	0	3	4	0
4	10	2	17	11	12	12	0	0	2	4	0
5	10	1	16	13	12	12	0	0	3	4	0
6	15	0	15	12	12	13	0	1	2	4	0
7	15	1	18	12	11	13	0	3	3	4	0
8	15	0	21	11	12	13	0	3	2	3	0
9	15	1	19	4	12	13	0	3	3	2	0
10	15	3	19	10	12	13	0	3	3	2	0
11	20	3	15	10	11	13	0	3	3	2	0
12	20	2	17	11	7	13	0	3	3	3	0
13	20	1	19	11	12	13	0	2	3	2	0
14	20	0	13	12	12	13	0	3	4	3	0
15	20	1	12	10	12	13	0	2	4	2	0
16	11	1	7	10	14	8	0	2	0	2	0
17	8	1	1	12	14	8	0	3	0	2	0
18	13	1	8	13	13	8	0	3	0	2	0
19	21	1	12	16	13	8	0	3	0	2	0
20	23	1	12	11	13	8	0	2	2	2	0
21	23	1	12	11	12	4	0	2	2	2	0
22	11	1	12	12	11	4	0	3	3	2	0
23	8	2	13	11	12	4	0	3	3	2	3
24	7	3	12	11	12	4	0	3	3	2	0
25	6	1	12	12	12	4	0	3	3	3	2
26	6	0	11	12	9	4	0	3	3	3	3
27	6	0	11	11	9	4	0	3	3	0	3
28	6	0	12	11	7	4	0	3	3	0	3
29	6	0	12	10	7	4	0	3	3	0	2
30	6	6	10	11	3	4	0	3	3	0	2
31	.....	6	.....	11	3	.....	0	.....	3	0	.....
Mean	13	1	13	11	11	9	0	2	2	2	0.5
Max.	23	6	21	16	23	13	0	3	4	4	3.0
Min.	6	0	1	2	3	4	0	0	0	0	0
A. F.	777	85	793	662	698	535	0	129	153	141	30.0

Area reported 896 acres. Area reported 195 acres.
 Water used 3550 A. F. Water used 453 A. F.
 Per acre 3.90 A. F. Per acre 2.32 A. F.

INTERSTATE CANAL

DATE	Diverted from North Platte River, in Wyoming						
	OCT.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1015	0	870	1306	2058	2169	1804
2	1007	0	853	1379	2048	2160	1797
3	1012	0	890	1432	2054	2163	1797
4	1007	0	885	1523	2080	2153	1837
5	1010	0	873	1606	2041	2130	1919
6	985	0	882	1774	2048	2091	1988
7	954	0	875	1906	2051	2084	2008
8	906	0	875	1876	2051	2101	1982
9	874	0	810	1813	2054	2127	1962
10	882	0	815	1761	2068	2147	1903
11	882	0	793	1731	2079	2156	1896
12	882	0	750	1734	2079	2160	1820
13	882	0	731	1747	2081	2173	1632
14	882	0	726	1804	2110	2167	1488
15	874	0	726	1883	2117	2156	1463
16	882	0	731	1955	2127	2147	1422
17	890	0	731	2028	2117	2160	1391
18	890	294	719	2049	2091	2163	1379
19	866	457	750	2041	2074	2147	1376
20	820	566	793	2048	2064	2137	1367
21	805	671	805	2034	2035	2142	1379
22	805	772	805	1995	2035	2142	1354
23	805	841	815	1945	2074	2142	1270
24	813	861	825	1863	2087	2140	1240
25	805	863	873	1810	2101	2140	1229
26	805	859	942	1823	2110	2136	1214
27	797	880	1002	1866	2127	2127	1186
28	790	902	1012	1965	2153	1903	1152
29	790	902	1025	2044	2153	1787	1064
30	805	902	1095	2058	2160	1853	912
31	325	.....	1192	.....	2173	1813	.....
Mean	863	326	854	1827	2087	2104	1541
Max.	1015	902	1192	2058	2173	2173	2008
Min.	325	0	726	1306	2035	1787	912
A. F.	53050	19340	52500	108690	128330	129360	91700

Estimated 115000 acres irrigated including North Platte
 Colonization Company acreage.
 Water used 582970 A. F.
 Per acre 5.07 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

DATE	KEARNEY CANAL Diverted from Platte River					KEITH-LINCOLN COUNTY CANAL Diverted from North Platte River					
	MAY	JUNE	JULY	AUG.	SEPT.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	395	366	6	4	429	0	48	44	84	119	40
2	395	366	11	6	412	0	40	54	80	110	40
3	429	368	16	6	378	0	48	61	80	84	40
4	412	363	25	0	400	10	60	54	92	80	40
5	429	364	35	15	425	30	64	56	114	92	40
6	420	330	32	35	400	50	52	54	88	89	35
7	353	350	30	25	400	50	44	81	105	78	35
8	398	350	48	15	400	50	52	59	92	84	35
9	378	340	66	21	400	50	60	54	96	107	35
10	351	417	65	28	400	50	60	42	85	88	35
11	351	383	74	44	380	63	60	42	92	82	30
12	363	402	72	60	380	63	52	46	105	73	30
13	337	422	61	56	380	63	48	54	118	80	30
14	351	379	220	52	380	63	36	66	88	68	30
15	369	336	155	50	380	63	32	56	88	72	30
16	364	258	120	51	377	52	28	57	92	80	30
17	351	180	84	38	377	44	32	73	92	76	30
18	342	117	55	26	377	48	32	77	96	76	30
19	358	55	47	26	377	76	32	77	92	68	30
20	386	44	42	27	377	96	32	89	88	101	30
21	419	33	42	25	375	72	32	103	80	78	44
22	419	32	38	13	375	56	40	96	101	89	44
23	361	32	42	41	375	72	32	86	80	38	44
24	398	40	37	69	375	70	12	120	80	0	44
25	415	47	28	78	375	60	10	124	92	0	44
26	424	63	33	87	375	55	12	84	92	0	30
27	330	44	39	78	375	55	44	88	88	0	30
28	361	24	32	69	375	52	60	101	84	0	30
29	378	5	25	80	375	52	36	101	72	0	30
30	441	0	13	69	375	52	44	84	68	0	30
31	422	.....	2	70	.....	.....	44	.....	80	0	.....
Mean	384	217	52	41	386	50	41	72	90	62	34
Max.	441	422	220	87	429	96	64	103	118	119	44
Min.	330	0	2	0	375	0	10	42	72	0	30
A. F.	23604	12912	3164	2507	22967	3009	2535	4330	5522	3792	2073

Area reported 6360 acres.
Water used 7950 A. F.
Per acre 1.25 A. F.

Area reported 6442 acres.
Water used 21261 A. F.
Per acre 3.30 A. F.

DATE	KENT-BURKE CANAL Diverted from Pawnee Creek					KEYSTONE CANAL Diverted from White Tail Creek				
	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	1	4	0	0	0	0	7	*
2	0	0	1	4	0	0	0	0	3	.....
3	0	0	4	4	0	0	0	0	0	.....
4	0	0	4	4	0	0	0	0	0	.....
5	0	0	4	4	0	0	0	0	0	.....
6	0	0	4	4	0	0	0	0	0	.....
7	0	0	4	4	0	0	0	0	0	.....
8	0	0	4	4	0	0	0	0	0	.....
9	0	0	4	4	0	0	0	0	0	.....
10	0	0	4	4	0	0	0	0	0	.....
11	0	0	4	0	0	0	0	4	0	.....
12	0	0	4	0	0	0	0	9	0	.....
13	0	1	4	0	0	0	0	9	0	.....
14	0	1	4	0	0	0	0	7	0	.....
15	0	1	4	0	0	0	0	4	0	.....
16	0	1	4	0	0	0	0	6	0	.....
17	0	1	4	0	0	0	0	8	0	.....
18	0	1	4	0	0	0	0	7	0	.....
19	0	1	4	0	0	0	0	6	0	.....
20	0	1	4	0	0	0	0	7	0	.....
21	0	1	4	0	0	0	0	8	0	.....
22	0	1	4	0	0	0	0	6	0	.....
23	0	1	4	0	0	0	0	4	0	.....
24	0	1	4	0	0	0	0	8	0	.....
25	0	1	4	0	0	0	0	12	0	.....
26	0	1	4	0	0	0	0	12	0	.....
27	0	1	4	0	0	0	0	12	0	.....
28	0	1	4	0	0	0	0	12	0	.....
29	0	1	4	0	0	0	0	12	0	.....
30	0	1	4	0	0	0	0	10	0	.....
31	0	.....	4	0	.....	0	.....	8	0	.....
Mean	0	0.5	3	1	0	0	0	6	0	.....
Max.	0	1.0	4	4	0	0	0	12	0	.....
Min.	0	.0	1	0	0	0	0	0	0	.....
A. F.	0	36.0	194	79	0	0	0	340	20	.....

Area reported 400 acres.
Water used 309 A. F.
Per acre 0.77 A. F.

Area reported 520 acres.
Water used 360 A. F.
Per acre 0.70 A. F.

* No record.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

KIMBALL CANAL (NORTH BRANCH)

KIMBALL CANAL (SOUTH BRANCH)

DATE	Diverted from Lodgepole Creek					Diverted from Lodgepole Creek				
	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	4	14	0	0	0	35	44	0
2	0	0	4	14	0	0	0	30	45	0
3	0	0	4	14	0	0	0	20	45	0
4	0	0	4	14	0	0	0	20	45	0
5	0	0	4	14	0	0	0	20	42	0
6	0	0	6	13	0	0	0	25	42	0
7	0	0	8	12	0	0	0	35	41	10
8	0	0	8	8	15	0	0	43	37	16
9	0	0	8	3	15	0	0	43	6	20
10	0	0	10	4	15	0	0	30	0	20
11	0	0	4	5	10	0	0	25	0	25
12	0	0	8	7	10	0	0	17	0	27
13	0	0	4	3	8	0	10	17	0	30
14	0	0	4	0	12	0	10	28	0	30
15	0	0	6	0	15	0	15	17	0	34
16	0	0	5	0	12	0	20	17	0	30
17	0	5	5	0	10	0	25	18	0	25
18	0	12	9	0	10	0	25	19	0	24
19	0	15	14	0	9	0	30	20	0	20
20	0	22	14	0	8	0	34	21	0	16
21	0	18	13	0	8	0	34	21	0	16
22	0	15	13	0	8	0	34	22	0	14
23	0	12	12	0	9	0	34	22	0	14
24	0	12	12	2	9	0	34	22	24	14
25	0	10	8	14	6	0	34	39	32	14
26	0	10	9	0	5	0	36	43	0	10
27	0	10	9	0	4	0	36	56	0	10
28	0	10	11	0	4	0	38	63	0	10
29	0	10	11	0	0	0	38	45	0	10
30	0	10	10	0	0	0	40	44	0	5
31	0	.....	12	0	.....	0	.....	46	0	.....
Mean	0	6	8	4	6	0	17	30	13	14
Max.	0	22	14	14	15	0	40	63	45	34
Min.	0	0	4	0	0	0	0	17	0	0
A. F.	0	339	502	280	400	0	1045	1835	799	881

Water used 1521 A. F.

Water used 4560 A. F.

KIMBALL CANAL—SUMMARY IN ACRE-FEET

	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
North Canal.....	0	339	502	280	400	1521
South Canal.....	0	1045	1835	799	881	4560
Total	0	1384	2337	1079	1281	6081
Area reported.....	6587 acres.					
Water used.....	6081 A. F.					
Per acre.....	0.93 A. F.					

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued
OLIVER RESERVOIR—KIMBALL IRRIGATION DISTRICT

DATE	Lodgepole Creek—Storage in acre-feet—1933							
	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			3950	4500		2400		
2								2400
3					4870			
4	2950	3300						
5							235	
6				4600				
7			4000					
8			4025			1950		
9								2140
10					4870			
11	3000	3310						
12								
13				4750				
14								
15			4070			1550		
16								1430
17					3800			
18	3100	3600						
19				4770			410	
20					4800	3625		
21								
22			4300				1250	
23								1230
24					3250			
25	3200	3800						
26							235	
27				4870				
28								
29						750		
30								1230
31								

LAST CHANCE CANAL
 Diverted from Pumpkinseed Creek

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	5	4	1	6	3
2	5	3	1	6	3
3	2	3	0	6	3
4	2	3	6	6	3
5	2	2	11	6	3
6	5	2	11	6	5
7	5	4	11	6	5
8	5	7	11	6	5
9	5	7	12	6	5
10	5	7	9	6	5
11	6	7	8	6	5
12	6	8	9	6	5
13	6	8	10	5	5
14	6	9	10	6	5
15	6	9	11	6	5
16	6	9	8	6	7
17	6	4	8	6	7
18	6	4	8	6	7
19	5	4	8	3	7
20	5	1	8	0	7
21	5	1	8	1	9
22	5	1	8	6	9
23	6	4	10	7	9
24	5	1	11	7	9
25	5	1	11	7	9
26	4	4	10	7	6
27	7	7	8	7	4
28	11	4	8	3	2
29	9	1	8	3	2
30	8	1	6	3	2
31	7		6	3	
Mean	5	4	8	5	5
Max.	11	9	12	7	9
Min.	2	1	0	0	3
A. F.	339	258	506	339	319

Area reported 427 acres.
 Water used 1761 A. F.
 Per acre 4.10 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued
LISCO CANAL

Diverted from North Platte River and Cold Water Creek							
DATE	OCT.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	15	4	4	4	68	34	0
2	15	4	4	5	60	27	0
3	15	32	4	5	3	27	0
4	15	35	4	4	3	25	0
5	15	35	4	40	3	25	0
6	12	42	4	27	3	23	0
7	12	39	4	17	3	26	0
8	12	46	4	26	3	26	0
9	12	53	4	32	3	21	0
10	12	55	4	26	16	26	0
11	8	61	4	26	60	26	0
12	8	17	4	21	60	26	0
13	8	4	4	17	60	26	0
14	8	13	4	21	45	26	0
15	8	26	4	26	31	26	0
16	4	26	4	32	25	39	0
17	4	26	4	32	31	58	0
18	4	26	4	39	31	61	0
19	4	26	4	21	46	63	0
20	4	26	4	26	60	66	0
21	0	24	4	52	60	70	0
22	0	24	4	41	86	62	0
23	0	22	4	25	105	59	0
24	0	22	4	25	38	62	0
25	0	21	4	51	34	70	0
26	0	12	4	57	31	17	0
27	0	13	4	60	42	38	0
28	0	21	4	60	45	4	0
29	0	23	4	63	45	4	0
30	0	23	4	60	38	4	0
31	0	.....	4	.....	31	4	.....
Mean	6	26	4	31	38	38	0
Max.	15	61	4	63	105	70	0
Min.	0	4	4	4	3	4	0
A. F.	387	1587	246	1866	2319	2124	0

Area reported 2794 acres.
Water used 8529 A. F.
Per acre 3.05 A. F.

LONERGAN CANAL (EAST)					
Diverted from Lonergan Creek					
DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	1	3	6	7	2
2	1	7	6	7	2
3	1	7	7	7	2
4	1	7	5	6	2
5	1	6	4	6	2
6	1	6	4	6	2
7	1	4	4	6	2
8	1	2	6	6	2
9	1	2	6	6	2
10	1	3	8	6	2
11	1	4	8	6	2
12	1	5	8	6	2
13	1	4	8	6	2
14	1	4	8	5	2
15	1	3	8	4	2
16	1	1	8	4	2
17	1	2	6	4	2
18	1	4	4	4	2
19	1	5	4	4	2
20	1	7	4	5	2
21	1	5	4	5	1
22	1	4	4	5	1
23	1	4	4	5	1
24	1	4	4	4	1
25	1	5	4	3	1
26	1	7	4	3	1
27	1	6	4	4	1
28	1	6	2	4	1
29	3	6	4	4	1
30	3	6	6	4	1
31	4	.....	6	4	.....
Mean	1	4	5	5	2
Max.	4	7	8	7	2
Min.	1	3	2	3	1
A. F.	75	276	333	317	100

Area reported 700 acres.
Water used 1101 A. F.
Per acre 1.57 A. F.

LYONS CANAL					
Diverted from North Platte River					
MAY	JUNE	JULY	AUG.	SEPT.	
1	0	12	18	0	0
2	0	12	15	0	0
3	0	13	13	0	0
4	0	12	0	0	0
5	0	12	0	0	0
6	0	14	0	0	0
7	0	16	0	0	0
8	0	15	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	8	0	0	0	0
15	7	0	0	0	0
16	6	19	8	0	0
17	5	28	17	0	0
18	7	28	16	0	0
19	9	16	15	0	0
20	10	14	15	0	0
21	13	22	14	0	0
22	15	22	15	0	0
23	16	17	16	0	0
24	18	18	15	0	0
25	19	18	13	0	0
26	20	17	14	0	0
27	20	17	15	0	0
28	20	17	8	0	0
29	20	16	0	0	0
30	17	17	0	0	0
31	.....	16	0	.....	.....
Mean	1	7	13	7	0
Max.	3	20	28	18	0
Min.	0	0	0	0	0
A. F.	57	456	809	450	0

Area reported 2264 acres.
Water used 1772 A. F.
Per acre 0.78 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

MEEKER CANAL							MEREDITH-AMMER CANAL				
DATE	Diverted from Republican River						Diverted from Pumpkinseed Creek				
	APR.	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	20	31	28	26	7	0	6	7	13	0
2	0	22	30	26	28	4	1	6	7	13	0
3	0	20	37	23	37	3	1	7	7	11	0
4	0	7	35	24	42	3	1	7	7	10	0
5	0	5	36	24	41	4	1	8	7	10	0
6	0	11	37	23	35	2	1	7	7	10	3
7	0	18	41	19	34	2	1	9	8	10	3
8	0	23	44	34	28	2	1	10	6	10	7
9	0	27	35	35	30	2	1	11	6	10	8
10	0	20	32	39	28	2	1	11	7	10	8
11	0	18	4	32	34	3	1	11	7	10	7
12	0	19	26	35	30	2	1	11	11	10	6
13	0	19	30	39	26	2	1	12	12	9	5
14	0	18	30	41	0	3	0	12	11	8	5
15	0	18	30	44	0	10	0	13	11	6	5
16	0	18	21	42	0	18	0	13	11	6	4
17	0	16	21	41	0	4	0	13	11	7	4
18	0	18	32	44	0	3	0	13	11	8	4
19	0	12	32	39	0	5	0	11	11	9	4
20	0	19	37	42	11	7	0	7	11	10	4
21	0	19	39	28	0	9	0	7	11	11	4
22	0	18	41	19	0	6	0	7	11	12	4
23	0	9	39	37	0	10	0	7	7	12	4
24	0	14	38	36	0	9	0	7	8	12	4
25	16	19	32	31	0	4	0	7	8	13	4
26	16	19	32	32	0	4	7	7	7	5	4
27	12	19	32	41	15	5	8	7	9	2	4
28	15	19	28	15	45	2	7	7	13	0	4
29	20	31	26	21	34	3	6	8	13	0	4
30	20	31	26	22	9	6	6	7	13	0	4
31	.....	33	.....	22	9	.....	7	.....	13	0	.....
Mean	3	19	31	31	17	4	2	8	9	8	4
Max.	20	22	41	44	45	18	8	13	13	13	8
Min.	0	5	4	15	0	2	0	6	6	0	0
A. F.	196	1148	1892	1940	1075	289	105	533	573	510	232

Area reported 2870 acres.
Water used 6540 A. F.
Per acre 2.28 A. F.

Area reported 980 acres.
Water used 1953 A. F.
Per acre 1.99 A. F.

MIDLAND—OVERLAND CANAL					
DATE	Diverted from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	3	12	14	2
2	0	10	15	23	2
3	8	7	20	18	2
4	0	4	22	13	2
5	0	3	22	14	2
6	0	2	22	16	5
7	0	6	17	14	5
8	0	10	13	13	5
9	0	7	13	14	5
10	0	4	10	15	5
11	5	9	8	16	9
12	3	14	8	18	9
13	2	11	8	18	9
14	2	10	13	18	9
15	1	10	11	16	9
16	4	10	21	14	7
17	1	11	19	10	7
18	1	16	25	7	7
19	1	22	29	9	7
20	1	17	25	11	7
21	3	13	22	10	7
22	4	15	20	13	7
23	4	18	19	11	7
24	7	18	20	10	7
25	8	19	21	10	7
26	11	20	20	10	7
27	16	20	22	8	7
28	15	5	15	6	7
29	16	5	7	4	7
30	13	5	5	2	7
31	7	.....	4	2	.....
Mean	4	11	16	12	6
Max.	16	22	29	23	9
Min.	0	2	4	2	2
A. F.	264	643	1008	748	367

Area reported 2066 acres.
Water used 3030 A. F.
Per acre 0.72 A. F.

MINATARE CANAL					
DATE	Diverted from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	7	75	73	65
2	0	16	79	73	65
3	0	25	84	74	65
4	0	25	91	76	65
5	0	50	98	78	65
6	0	55	98	80	63
7	0	59	99	74	63
8	0	60	99	68	60
9	0	62	99	70	58
10	0	65	99	72	58
11	0	67	100	75	40
12	0	75	103	79	30
13	0	84	100	72	20
14	0	81	90	65	10
15	0	78	79	65	10
16	0	77	82	65	10
17	0	80	86	65	10
18	0	74	83	65	10
19	0	69	81	72	10
20	0	88	80	79	10
21	0	106	80	67	18
22	0	107	80	56	18
23	0	109	81	64	18
24	0	109	67	49	18
25	0	110	54	63	18
26	0	105	69	77	18
27	0	98	84	77	18
28	0	101	83	78	18
29	0	104	82	76	18
30	11	90	77	75	9
31	11	.....	72	75	.....
Mean	1	72	85	71	32
Max.	11	110	103	80	65
Min.	0	7	54	49	9
A. F.	44	4435	5225	4358	1900

Area reported 9265 acres.
Water used 15962 A. F.
Per acre 1.72 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

MITCHELL CANAL
Diverted from North Platte River
Adjudicated in Wyoming

DATE	OCT.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	122	0	27	126	180	182	136
2	113	0	30	126	183	183	137
3	106	0	33	143	186	182	146
4	109	0	33	146	180	192	172
5	110	0	32	157	183	193	193
6	92	0	27	172	183	191	200
7	85	0	31	172	185	192	201
8	83	0	31	179	184	192	204
9	65	0	27	186	183	192	204
10	0	0	29	189	183	192	200
11	0	0	39	185	184	192	199
12	0	0	37	193	186	194	183
13	0	0	35	199	188	192	179
14	0	0	36	197	190	193	182
15	0	0	35	190	191	196	178
16	0	0	35	189	191	194	184
17	0	0	35	188	178	196	180
18	0	0	32	171	163	196	165
19	0	0	32	176	164	196	155
20	0	0	35	179	159	196	151
21	0	0	36	188	159	196	150
22	0	0	50	185	172	198	151
23	0	0	63	177	178	197	152
24	0	83	68	146	185	197	146
25	0	105	74	146	186	196	156
26	0	56	63	146	186	197	155
27	0	37	65	148	188	191	143
28	0	32	75	155	183	164	121
29	0	30	81	172	182	156	116
30	0	32	79	178	180	159	120
31	0	.....	113	.....	182	145	.....
Mean	29	13	46	170	181	188	165
Max.	122	105	113	199	191	198	204
Min.	0	0	27	126	159	145	116
A. F.	1155	744	2810	10100	11100	11600	9820

Area reported 13387 acres.
Water used 46200 A. F.
Per acre 3.46 A. F.

MUTUAL CANAL

Diverted from Pumpkinseed Creek

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	4	5	3	0
2	0	4	5	3	0
3	0	4	5	3	0
4	0	4	5	3	0
5	0	4	5	3	0
6	0	4	5	3	2
7	0	4	5	3	2
8	0	4	5	3	2
9	0	4	5	3	2
10	0	4	5	3	2
11	0	4	5	3	2
12	0	4	5	3	2
13	0	4	5	3	2
14	0	4	5	3	2
15	0	4	5	3	2
16	0	4	5	3	2
17	0	4	5	3	2
18	0	4	5	3	2
19	0	4	5	3	2
20	0	4	5	3	2
21	0	4	2	3	2
22	0	4	2	3	2
23	0	4	2	3	2
24	0	4	2	3	2
25	0	4	2	3	2
26	0	5	2	3	2
27	0	5	2	3	2
28	0	5	2	0	2
29	0	5	2	0	2
30	0	5	2	0	2
31	0	.....	2	0	.....
Mean	0	4	4	3	2
Max.	0	5	5	3	2
Min.	0	4	2	0	0
A. F.	0	248	242	161	99

Area reported 450 acres.
Water used 750 A. F.
Per acre 1.66 A. F.

NINE MILE CANAL

Diverted from North Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	22	86	62	35
2	0	16	86	59	30
3	0	12	86	59	30
4	0	12	87	65	28
5	0	14	89	69	26
6	0	14	84	69	24
7	0	16	80	66	24
8	0	18	78	62	22
9	0	20	74	56	28
10	0	22	70	39	42
11	0	24	66	39	47
12	0	33	53	41	47
13	0	42	41	44	47
14	0	48	54	39	44
15	0	54	67	37	39
16	0	60	70	33	42
17	0	66	73	30	42
18	0	71	66	30	42
19	55	76	59	37	39
20	42	86	59	50	39
21	34	96	53	54	39
22	39	101	56	55	37
23	55	105	62	60	34
24	66	105	59	63	32
25	78	106	64	63	30
26	60	105	74	69	32
27	43	105	45	76	34
28	29	101	42	84	37
29	19	98	43	63	37
30	12	90	50	42	11
31	12	.....	57	40	.....
Mean	17	57	65	53	34
Max.	78	106	89	84	47
Min.	0	12	41	30	11
A. F.	1079	3447	4032	3283	2063

Area reported 5908 acres.
Water used 13904 A. F.
Per acre 2.36 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

NISSEN CANAL

NORTH PLATTE CANAL

DATE	Diverted from Sand Creek					Diverted from North Platte River					
	MAY	JUNE	JULY	AUG.	SEPT.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1	1	1	2	0	50	0	116	197	227	83
2	1	1	1	0	0	50	0	140	197	190	91
3	1	1	1	0	0	50	0	150	197	191	99
4	1	1	1	0	0	50	0	222	213	184	100
5	1	1	0	0	0	50	0	197	203	188	100
6	1	1	0	0	0	75	0	261	204	118	111
7	1	1	0	0	0	75	0	262	193	36	111
8	1	1	0	0	0	75	3	264	203	38	111
9	1	1	0	0	0	75	3	261	194	83	111
10	1	1	0	0	0	75	3	259	194	88	111
11	1	1	1	0	0	100	3	247	202	169	111
12	1	2	1	0	0	160	3	236	211	169	111
13	1	2	1	0	0	150	3	196	215	0	111
14	1	1	2	0	0	150	3	157	207	0	111
15	1	1	2	0	0	150	3	160	205	0	111
16	1	1	2	0	0	150	3	160	210	161	110
17	1	1	2	0	0	150	3	163	215	161	110
18	1	1	2	0	0	150	3	164	215	181	110
19	1	1	2	0	0	150	3	165	218	161	110
20	1	1	2	0	0	0	134	168	213	186	110
21	1	1	2	0	0	0	140	172	209	177	110
22	1	1	2	0	0	0	172	150	206	172	110
23	1	1	2	0	0	0	91	220	215	166	110
24	1	1	2	0	0	0	3	219	218	166	110
25	1	1	2	0	0	0	45	224	227	163	110
26	1	1	2	0	0	0	100	197	222	172	120
27	1	1	2	0	0	0	154	193	227	178	120
28	1	1	2	0	0	0	138	203	220	178	120
29	1	1	2	0	0	0	130	203	227	169	120
30	1	1	2	0	0	0	126	200	223	125	120
31	1	.....	2	0	.....	.....	128	.....	202	95	.....
Mean	1	1	1	0	0	64	45	197	210	138	109
Max.	1	2	2	2	0	150	154	264	227	227	120
Min.	1	1	0	0	0	0	0	116	193	0	83
A. F.	60	61	85	4	0	3840	2771	11760	12897	8513	6512

Area reported 100 acres.
Water used 210 A. F.
Per acre 2.10 A. F.

Area reported 13949 acres.
Water used 42453 A. F.
Per acre 3.04 A. F.

NORTHPORT CANAL

NORTH RIVER CANAL

DATE	Diverted from North Platte River and Drains					Diverted from North Platte River					
	MAY	JUNE	JULY	AUG.	SEPT.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	58	185	241	198	0	0	0	35	17	0
2	0	54	183	236	197	0	0	0	35	17	0
3	0	48	193	234	198	0	0	0	35	17	0
4	0	57	199	230	186	0	0	0	35	18	0
5	0	92	194	228	185	0	0	11	35	18	0
6	0	99	186	226	192	0	0	10	40	18	0
7	0	57	194	234	195	0	0	9	40	19	0
8	0	55	210	235	205	0	0	7	41	17	0
9	0	85	216	228	208	0	0	7	38	16	0
10	0	128	223	237	208	0	0	26	35	17	0
11	0	198	223	242	203	0	0	21	33	19	0
12	0	200	226	237	226	0	0	18	33	18	0
13	0	160	227	240	214	0	0	23	27	17	0
14	0	153	233	236	230	0	0	28	22	16	0
15	0	152	240	236	242	34	0	23	19	16	0
16	0	183	235	237	242	30	0	30	16	27	0
17	0	200	226	232	160	30	0	31	18	38	0
18	0	185	237	242	135	30	0	32	19	40	0
19	0	187	233	264	163	30	0	36	20	43	0
20	0	193	237	237	192	30	0	22	22	43	0
21	0	195	227	240	222	25	0	28	20	43	0
22	0	195	234	240	198	25	0	34	18	41	0
23	0	193	236	241	184	25	0	43	19	40	0
24	0	187	235	245	176	25	0	42	20	41	0
25	0	195	228	197	185	25	0	46	19	42	0
26	0	183	235	54	160	24	0	50	17	0	0
27	0	178	235	129	120	24	0	49	17	0	0
28	0	165	237	173	83	24	0	54	20	0	0
29	45	167	236	171	80	24	0	47	25	0	0
30	62	183	235	176	78	24	0	41	31	0	0
31	63	.....	236	192	.....	.....	0	.....	24	0	.....
Mean	5	146	222	219	182	14	0	25	27	21	0
Max.	63	200	240	264	242	34	0	54	41	43	0
Min.	0	48	183	54	78	0	0	0	16	0	0
A. F.	337	8697	13634	13468	10840	851	0	1523	1642	1305	0

Area reported 16139 acres.
Water used 46976 A. F.
Per acre 2.90 A. F.

Area reported 5047 acres.
Water used 5321 A. F.
Per acre 1.05 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

DATE	ORCHARD-ALFALFA CANAL Diverted from Platte River					OSHKOSH CANAL Diverted from North Platte River					
	APR.	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	36	94	0	89	0	0	18	18	0
2	0	0	37	94	0	89	0	0	18	18	0
3	0	0	34	32	0	89	0	0	19	9	0
4	0	0	32	56	0	87	0	0	22	1	0
5	0	0	30	12	0	66	0	0	23	1	0
6	0	0	29	0	0	39	0	0	19	1	1
7	0	0	19	0	0	37	0	0	4	0	3
8	0	0	16	0	33	30	0	0	1	0	3
9	0	0	16	72	36	0	0	0	1	0	3
10	0	0	23	70	4	0	0	0	0	0	3
11	0	0	22	79	0	0	0	0	1	0	3
12	0	0	16	91	0	0	0	0	1	0	4
13	0	41	16	86	41	44	0	0	0	0	1
14	0	27	17	54	94	39	0	0	0	0	0
15	0	21	14	29	94	39	0	0	0	0	0
16	27	21	16	40	102	21	0	7	0	1	0
17	29	20	38	9	69	30	0	5	0	12	0
18	32	23	27	3	68	50	0	4	0	12	0
19	32	24	16	0	12	54	0	4	10	12	0
20	44	25	3	0	0	42	0	7	9	11	0
21	30	32	0	0	36	0	0	8	7	11	0
22	14	19	0	0	45	0	0	9	1	11	0
23	21	0	0	50	50	0	0	9	6	9	0
24	38	0	0	89	56	0	0	12	0	9	0
25	23	0	0	91	44	0	0	14	0	9	0
26	30	16	0	94	30	0	0	17	6	9	0
27	16	26	0	0	56	0	0	18	18	10	0
28	16	28	19	0	70	0	0	17	17	1	0
29	16	26	60	0	89	0	0	17	16	0	0
30	16	35	74	0	86	0	0	17	17	0	0
31	.....	32	.....	0	89	.....	0	.....	14	0	.....
Mean	12	13	20	37	39	28	0	5	8	5	1
Max.	44	41	74	94	102	89	0	18	23	18	4
Min.	0	0	0	0	0	0	0	0	0	0	0
A. F.	762	825	1210	2271	2428	1676	0	327	492	327	42

Area reported 5750 acres.
Water used 9172 A. F.
Per acre 1.60 A. F.

Area reported 2860 acres.
Water used 1188 A. F.
Per acre 0.41 A. F.

DATE	OTTER CREEK CANAL Diverted from Otter Creek				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	4	21	4	0
2	0	4	21	4	0
3	0	9	15	4	0
4	0	7	10	4	0
5	0	5	4	3	0
6	0	4	4	3	0
7	15	4	4	4	0
8	15	4	4	4	0
9	0	4	4	4	0
10	0	4	4	4	0
11	0	4	4	3	0
12	0	4	4	3	0
13	0	4	4	3	0
14	0	3	5	3	0
15	0	3	4	0	0
16	0	3	3	0	0
17	0	3	3	0	0
18	0	3	3	0	0
19	0	4	3	0	0
20	0	4	3	0	0
21	0	3	3	4	0
22	0	3	4	4	0
23	0	3	3	4	0
24	0	17	3	3	0
25	0	17	3	3	0
26	0	18	3	3	0
27	0	20	3	4	0
28	0	21	3	4	0
29	0	21	3	4	0
30	0	21	3	3	0
31	0	.....	3	2	.....
Mean	1	7	5	3	0
Max.	15	21	21	4	0
Min.	0	3	3	0	0
A. F.	59	452	319	174	0

Area reported 384 acres.
Water used 1005 A. F.
Per acre 2.62 A. F.

DATE	OWASCO CANAL Diverted from Lodgepole Creek				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	6	3	5	0
2	0	6	3	5	0
3	0	6	3	5	0
4	0	5	4	6	0
5	0	5	4	8	0
6	0	5	4	7	0
7	0	5	4	6	0
8	0	4	4	5	0
9	0	4	4	4	0
10	0	4	4	4	0
11	0	3	4	4	0
12	0	3	3	4	0
13	0	3	3	4	0
14	0	4	3	5	0
15	0	4	4	4	8
16	0	5	6	4	8
17	0	5	8	3	9
18	0	5	7	4	9
19	0	5	7	4	4
20	0	4	6	4	0
21	12	5	6	4	0
22	15	5	4	4	0
23	9	5	3	3	0
24	8	5	2	3	8
25	4	5	0	3	13
26	4	5	0	3	9
27	4	4	0	0	7
28	4	4	4	0	4
29	4	5	5	0	2
30	4	4	3	0	0
31	4	4	5	0	0
Mean	2	.....	5	0	.....
Max.	12	4	4	4	3
Min.	0	3	8	8	13
A. F.	153	276	236	220	163

Area reported 810 acres.
Water used 1047 A. F.
Per acre 1.29 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

DATE	PAISLEY CANAL					PATRICK CANAL				
	Diverted from		Blue Creek	AUG.	SEPT.	Diverted from		Sand Creek	AUG.	SEPT.
	MAY	JUNE	JULY			MAY	JUNE	JULY		
1	2	12	0	16	5	0	0	1	0	0
2	9	11	0	16	5	0	0	1	0	0
3	9	12	0	16	5	0	0	1	0	0
4	10	13	0	16	5	0	0	1	0	0
5	8	13	0	16	5	0	0	1	0	0
6	6	14	0	13	5	0	0	1	0	0
7	6	15	10	12	5	0	0	1	0	0
8	4	19	11	11	5	0	0	3	0	0
9	4	16	12	10	5	0	0	3	0	0
10	5	16	12	10	5	0	2	3	0	0
11	5	13	12	12	3	0	2	3	0	0
12	4	13	12	14	3	0	2	3	0	0
13	4	11	13	10	3	0	0	2	0	0
14	4	11	0	10	3	0	0	0	0	0
15	7	11	8	14	3	0	0	0	0	0
16	8	13	9	14	3	0	0	0	0	0
17	7	12	9	14	3	0	1	0	0	0
18	6	12	0	14	3	0	1	0	0	0
19	6	11	0	15	3	0	1	0	2	0
20	6	0	0	15	3	0	1	0	2	0
21	6	6	0	15	8	0	1	0	2	2
22	5	14	0	15	8	0	1	0	3	2
23	4	13	12	14	8	0	1	0	3	2
24	6	10	12	14	8	0	1	0	2	2
25	8	6	13	14	8	0	1	0	2	2
26	8	5	12	7	8	0	0	0	2	2
27	8	10	10	0	8	0	0	0	2	2
28	8	11	8	0	8	0	0	0	2	2
29	8	7	8	0	8	0	0	0	2	2
30	12	0	8	0	8	0	0	0	3	2
31	12	.....	9	0	.....	0	.....	0	3	.....
Mean	7	11	6	11	5	0	0.5	1	1	1
Max.	12	19	13	16	8	0	2.0	3	3	2
Min.	2	0	0	0	3	0	.0	0	0	0
A. F.	426	654	397	688	317	0	30.0	47	59	40

Area reported 1000 acres.
Water used 2482 A. F.
Per acre 2.48 A. F.

Area reported 100 acres.
Water used 176 A. F.
Per acre 1.76 A. F.

PAXTON-HERSHEY CANAL

DATE	Diverted from				
	North	Platte	River	AUG.	SEPT.
	APR.	MAY	JUNE	JULY	
1	0	43	44	94	71
2	0	37	40	93	113
3	0	49	46	97	113
4	0	42	55	94	97
5	0	46	29	101	67
6	10	46	32	93	60
7	10	40	71	93	64
8	15	41	79	91	64
9	20	36	77	89	43
10	30	38	67	93	71
11	40	41	64	94	60
12	43	40	46	98	67
13	43	40	57	99	57
14	43	37	60	101	42
15	43	33	89	99	41
16	38	32	78	95	49
17	34	34	71	95	58
18	29	41	67	99	46
19	50	43	67	99	54
20	43	33	81	95	74
21	43	26	97	94	65
22	18	41	97	95	64
23	10	38	93	56	60
24	27	27	78	66	67
25	50	42	81	69	53
26	34	50	89	76	50
27	12	43	93	79	59
28	8	57	97	87	60
29	8	78	97	78	57
30	8	65	97	57	50
31	.....	52	.....	24	43
Mean	23	42	71	87	63
Max.	50	78	97	101	113
Min.	0	26	29	24	41
A. F.	1422	2600	4243	5341	3846

Area reported 7474 acres.
Water used 20054 A. F.
Per acre 2.68 A. F.

RADCLIFFE CANAL

DATE	Diverted from				
	Cedar	Creek	AUG.	SEPT.	
	MAY	JUNE	JULY		
1	0	0	3	4	3
2	0	0	3	4	3
3	0	0	3	4	3
4	0	0	3	4	3
5	0	0	3	4	3
6	0	0	3	4	2
7	0	0	4	4	2
8	0	0	4	4	2
9	0	0	4	4	2
10	0	0	4	4	2
11	0	0	4	4	0
12	0	0	4	4	0
13	0	0	4	4	0
14	0	0	4	4	0
15	0	0	4	4	0
16	0	0	4	4	0
17	0	0	4	4	0
18	0	0	4	4	0
19	0	0	4	4	0
20	0	0	4	4	0
21	0	0	4	4	0
22	0	0	4	4	0
23	0	0	4	4	0
24	0	0	4	4	0
25	0	3	4	4	0
26	0	3	4	4	0
27	0	3	4	4	0
28	0	3	4	4	0
29	0	3	4	4	0
30	0	3	4	4	0
31	0	.....	4	4	.....
Mean	0	0.5	4	4	1
Max.	0	3.0	4	4	3
Min.	0	.0	3	4	0
A. F.	0	36.0	234	246	50

Area reported 274 acres.
Water used 566 A. F.
Per acre 2.06 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

RAMSHORN CANAL						RUSH CREEK CANAL					
Diverted from North Platte River						Diverted from North Platte River					
DATE	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.	
1	0	31	17	16	9	0	0	8	0	4	
2	0	29	21	14	9	0	0	8	0	4	
3	0	25	20	21	9	2	0	8	0	4	
4	0	28	11	17	9	4	0	8	0	4	
5	0	29	28	16	9	4	0	8	0	4	
6	0	25	21	14	9	4	0	10	0	3	
7	0	16	22	16	9	6	0	13	0	3	
8	0	23	16	17	9	6	0	12	0	3	
9	0	14	25	17	9	5	0	12	0	3	
10	0	14	23	21	9	6	0	11	0	3	
11	0	12	33	21	3	5	0	10	0	2	
12	0	24	27	17	3	4	0	8	0	2	
13	0	14	30	13	3	4	0	6	0	2	
14	0	18	23	17	3	4	0	7	0	2	
15	0	24	27	21	3	4	9	8	0	2	
16	0	25	27	21	3	3	9	8	0	0	
17	0	29	21	23	3	3	9	8	0	0	
18	0	28	23	20	3	3	9	6	3	0	
19	13	16	23	30	3	3	10	4	3	0	
20	12	6	16	30	3	3	9	4	3	0	
21	10	4	21	30	3	3	8	4	3	0	
22	9	3	21	24	3	2	9	4	3	0	
23	10	2	20	23	3	2	10	5	3	0	
24	13	7	21	21	3	2	10	4	3	0	
25	14	13	27	28	3	2	10	4	6	0	
26	14	19	17	20	1	2	10	4	9	0	
27	15	23	17	16	1	2	10	4	8	0	
28	17	30	14	16	1	3	9	3	6	0	
29	19	19	25	6	1	3	9	2	4	0	
30	19	24	14	14	1	2	9	2	4	0	
31	13	.....	11	14	.....	0	.....	2	4	.....
Mean	6	19	21	19	5	3	5	7	2	1	
Max.	19	31	33	30	9	6	10	13	9	4	
Min.	0	2	11	6	1	0	0	2	0	0	
A. F.	353	1138	1313	1178	297	190	295	407	123	89	

Area reported 1934 acres.
Water used 4279 A. F.
Per acre 2.20 A. F.

Area reported 689 acres.
Water used 1104 A. F.
Per acre 1.60 A. F.

SCHERMERHORN CANAL						SHERIDAN-WILSON CANAL					
Diverted from Red Willow Creek						Diverted from North Platte River					
DATE	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.	
1	0	0	2	0	0	2	3	6	6	6	
2	0	0	2	0	0	1	24	6	6	6	
3	0	0	2	0	0	2	16	6	9	6	
4	0	0	1	0	0	2	12	7	13	6	
5	0	0	0	0	0	2	11	9	8	6	
6	0	0	1	0	0	2	17	9	3	3	
7	0	0	2	0	0	2	17	9	9	3	
8	0	0	2	0	0	2	18	9	16	3	
9	0	0	2	0	0	2	10	10	11	3	
10	0	0	2	0	0	2	2	10	11	3	
11	0	2	0	0	0	2	1	11	10	2	
12	0	2	0	0	0	2	1	10	10	2	
13	0	2	0	0	0	0	1	10	9	2	
14	0	1	0	0	0	0	25	10	9	2	
15	0	0	0	0	0	0	9	10	11	2	
16	0	0	0	0	0	0	11	9	13	0	
17	0	0	0	0	0	0	12	9	6	0	
18	0	1	0	0	0	0	14	7	9	0	
19	0	2	2	0	0	0	20	6	10	0	
20	0	2	2	0	0	0	18	13	11	0	
21	0	2	3	3	0	0	16	6	12	0	
22	0	1	0	3	0	0	15	6	14	0	
23	0	1	0	2	0	0	14	6	12	0	
24	0	1	0	2	0	0	12	6	11	0	
25	0	1	0	0	0	0	10	5	9	0	
26	0	1	0	0	0	0	9	6	7	0	
27	0	2	0	0	0	3	8	6	7	0	
28	0	2	0	0	0	10	7	6	7	0	
29	0	2	3	0	0	3	6	6	6	0	
30	0	2	3	0	0	3	6	6	6	0	
31	0	.....	4	0	.....	6	.....	6	6	.....
Mean	0	1	1	0.3	0	1	11	8	9	2	
Max.	0	2	4	3.0	0	10	25	13	16	6	
Min.	0	0	0	.0	0	0	1	5	3	0	
A. F.	0	53	65	20.0	0	95	688	478	569	109	

Area reported 450 acres.
Water used 138 A. F.
Per acre 0.31 A. F.

Area reported 918 acres.
Water used 1939 A. F.
Per acre 2.12 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

SHORT LINE CANAL

SIGNAL BLUFF CANAL

DATE	Diverter from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	40	28	9
2	0	0	28	20	9
3	0	0	17	22	9
4	0	0	8	25	9
5	0	0	0	18	9
6	0	0	0	11	9
7	0	0	0	18	9
8	0	28	0	25	9
9	0	25	0	23	9
10	0	32	0	21	9
11	0	41	0	16	0
12	0	45	16	11	0
13	0	50	33	16	0
14	0	50	41	22	0
15	0	54	50	12	0
16	0	54	32	2	0
17	0	54	14	12	0
18	0	54	25	21	0
19	0	54	37	20	0
20	0	45	35	19	0
21	0	33	33	19	0
22	0	20	45	19	0
23	0	10	56	20	0
24	0	5	41	20	0
25	0	3	27	20	0
26	0	12	22	23	0
27	0	21	17	10	0
28	0	32	36	0	0
29	0	44	56	0	0
30	0	42	45	0	0
31	0	.....	37	0	.....
Mean	0	26	26	16	3
Max.	0	54	56	28	9
Min.	0	0	0	0	0
A. F.	0	1603	1569	978	178

Area reported 2938 acres.
Water used 4328 A. F.
Per acre 1.47 A. F.

DATE	Diverter from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	5	11	0	0
2	0	4	9	0	0
3	0	4	8	0	0
4	0	3	7	0	0
5	1	4	8	0	0
6	1	4	9	0	0
7	1	4	11	0	0
8	1	4	13	0	0
9	0	4	10	0	0
10	0	4	7	0	0
11	0	7	7	0	0
12	1	8	7	0	0
13	1	5	3	0	0
14	1	2	0	0	0
15	0	4	0	0	0
16	0	6	0	0	0
17	0	4	0	0	0
18	0	3	0	1	0
19	0	4	0	3	0
20	0	6	0	4	0
21	0	5	0	6	0
22	0	4	0	5	0
23	0	4	0	4	0
24	0	12	0	8	0
25	0	12	0	10	0
26	1	13	0	12	0
27	9	13	0	12	0
28	7	14	2	8	0
29	4	13	2	4	0
30	4	13	0	0	0
31	4	.....	0	0	.....
Mean	1	6	3	2	0
Max.	9	14	11	12	0
Min.	0	2	0	0	0
A. F.	71	381	226	153	0

Area reported 1436 acres.
Water used 831 A. F.
Per acre 0.58 A. F.

SIX MILE CANAL

DATE	Diverter from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.
1	20	2	22	11	10
2	16	2	23	27	5
3	20	2	18	20	0
4	30	1	10	14	0
5	42	1	6	25	0
6	29	0	6	23	0
7	29	0	21	16	0
8	17	0	24	5	0
9	6	0	18	6	0
10	6	0	21	7	0
11	6	0	27	5	0
12	6	0	27	10	0
13	13	0	18	6	0
14	8	0	18	5	0
15	4	0	22	3	0
16	2	0	16	3	0
17	1	0	7	3	0
18	1	0	20	0	0
19	1	0	20	0	0
20	1	0	16	0	0
21	1	0	18	5	0
22	1	0	18	10	0
23	5	0	27	18	0
24	3	0	23	11	0
25	1	0	20	6	0
26	1	0	10	11	0
27	1	0	4	6	0
28	2	0	8	10	0
29	2	0	8	11	0
30	11	3	2	13	0
31	6	.....	1	14	.....
Mean	9	0.3	16	10	0.5
Max.	42	3.0	27	27	10.0
Min.	1	.0	1	0	.0
A. F.	579	22.0	990	603	30.0

Area reported 1830 acres.
Water used 2224 A. F.
Per acre 1.21 A. F.

SPOHN CANAL

DATE	Diverter from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.
2	1	6	4	4	0
2	1	6	4	0	0
2	1	6	0	0	0
9	1	7	0	0	0
9	0	7	0	0	0
16	0	8	0	0	0
12	0	7	1	0	0
17	0	7	2	0	0
16	0	7	2	0	0
9	0	4	2	0	0
4	0	4	2	0	0
0	0	3	1	0	0
0	0	2	0	0	0
0	0	2	0	0	0
0	0	1	0	0	0
0	0	4	0	0	0
0	0	4	5	0	0
0	0	7	12	0	0
0	0	7	10	0	0
0	6	3	12	0	0
0	5	12	0	0	0
0	6	12	0	0	0
0	6	10	0	0	0
0	7	9	0	0	0
0	0	9	0	0	0
0	8	8	0	0	0
18	10	7	1	0	0
14	12	5	0	0	0
7	9	3	0	0	0
3	7	2	0	0	0
1	.....	1	1	.....	.....
Mean	4	3	6	2	0
Max.	18	12	12	12	0
Min.	0	0	1	0	0
A. F.	280	159	357	117	0

Area reported 959 acres.
Water used 913 A. F.
Per acre 1.05 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued
SUBURBAN CANAL

Diverted from North Platte River					
DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	42	99	64	40
2	0	23	131	67	40
3	0	43	118	87	40
4	0	69	91	87	40
5	0	55	93	87	40
6	0	25	88	95	40
7	0	13	84	79	40
8	28	1	104	72	40
9	28	28	116	67	40
10	28	56	71	88	40
11	4	60	53	90	60
12	4	65	64	76	60
13	4	66	91	79	60
14	8	67	50	84	60
15	12	65	57	88	62
16	24	60	66	63	60
17	30	50	75	65	60
18	42	40	80	67	60
19	35	42	104	62	60
20	22	65	108	67	60
21	19	88	104	85	50
22	16	61	108	101	50
23	19	35	110	95	50
24	4	74	99	89	50
25	1	90	99	79	50
26	1	107	104	77	50
27	4	104	88	103	56
28	53	67	108	129	50
29	38	77	105	132	50
30	42	64	69	88	50
31	35	.....	62	60	.....
Mean	16	56	90	83	50
Max.	53	107	131	132	62
Min.	0	1	50	60	40
A. F.	994	3376	5552	5101	2980

Area reported 7463 acres.
 Water used 18003 A. F.
 Per acre 2.42 A. F.

THIRTY MILE CANAL								
Diverted from Platte River								
DATE	OCT.	NOV.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	205	218	0	132	47	32	0	336
2	197	218	0	128	55	18	0	336
3	192	201	0	120	44	5	0	337
4	197	207	0	71	50	5	0	324
5	197	203	0	71	54	5	0	325
6	197	197	0	83	66	5	0	330
7	213	194	0	78	60	32	0	332
8	213	205	0	87	57	64	0	332
9	200	170	0	106	53	128	0	332
10	218	0	0	100	50	268	0	332
11	183	0	40	100	64	286	0	320
12	201	0	80	67	107	323	0	289
13	207	0	100	58	92	312	0	269
14	298	0	138	60	105	209	109	269
15	315	0	138	53	102	106	213	269
16	317	0	138	51	150	88	209	262
17	325	0	138	44	197	57	210	243
18	320	0	138	63	167	0	128	213
19	305	0	138	63	169	0	0	212
20	262	0	138	92	144	0	0	207
21	298	0	150	88	26	0	0	214
22	292	0	150	78	5	0	0	205
23	267	0	155	25	7	0	0	201
24	267	0	160	25	10	0	153	201
25	252	0	174	25	5	0	261	197
26	234	0	186	38	0	0	311	197
27	228	0	186	58	0	0	328	201
28	213	0	159	71	60	0	328	197
29	213	0	132	77	85	0	332	201
30	223	0	124	60	92	0	332	205
31	223	.....	.....	54	.....	0	332	.....
Mean	240	60	92	72	70	63	105	262
Max.	325	218	186	132	197	323	332	337
Min.	183	0	0	25	0	0	0	197
A. F.	14821	3596	5478	4415	4211	3854	6438	15646

Area reported 22809 acres.
 Water used 40042 A. F.
 Per acre 1.75 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

TRI-STATE CANAL

Diverted from North Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	808	1073	1070	990
2	0	840	1046	1090	990
3	245	862	1053	1076	990
4	247	880	1046	1084	976
5	245	884	1049	1062	974
6	238	934	1046	1029	976
7	140	970	1054	1026	980
8	115	1020	1073	1029	980
9	204	1064	1093	1029	980
10	100	1133	1098	1032	980
11	30	1130	1098	1026	950
12	0	1113	1086	1029	920
13	0	1074	1056	1038	900
14	0	1128	1048	1016	880
15	0	1118	1062	1316	880
16	0	1153	1060	1020	850
17	241	1193	1062	1020	820
18	256	1228	1057	1018	790
19	256	1228	1060	1022	760
20	243	1056	1057	1020	746
21	366	1010	1060	1018	740
22	467	1128	1070	1020	740
23	548	1076	1073	1016	740
24	559	1073	1065	1016	700
25	577	1070	1076	1012	660
26	582	1070	1080	1034	620
27	622	1083	1080	998	529
28	647	1076	1080	1018	520
29	730	1103	1080	998	500
30	734	1106	1077	1004	450
31	740	.....	1086	1004	.....
Mean	294	1053	1067	1030	817
Max.	740	1228	1098	1090	990
Min.	0	808	1046	998	450
A. F.	18113	62700	65662	63194	48617

TRI-STATE CANAL—SUMMARY IN ACRE-FEET

Diversion from North Platte River

	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
Tri-State Canal at Rating Station.....	18113	62700	65662	63194	48617	258286
Lateral No. 1.....	0	228	337	248	121	934
Lateral No. 2.....	0	484	454	454	347	1739
Lateral No. 3.....	0	64	32	44	0	140
Total acre-feet.....	18113	63476	66485	63940	49085	261099

Area reported..... 66999 acres.

Water used..... 261099 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued						TRI-STATE LATERAL NO. 2					
TRI-STATE LATERAL NO. 1						TRI-STATE LATERAL NO. 2					
Diverted from North Platte River						Diverted from North Platte River					
DATE	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.	
1	0	3	5	5	5	0	7	5	6	7	
2	0	3	5	5	5	0	8	5	7	7	
3	0	3	5	5	5	0	8	5	7	7	
4	0	3	5	5	5	0	8	5	7	7	
5	0	4	5	4	5	0	12	5	6	7	
6	0	5	5	4	5	0	12	5	7	8	
7	0	5	6	4	5	0	12	6	7	8	
8	0	4	6	4	5	0	10	6	7	8	
9	0	3	6	4	4	0	10	7	7	8	
10	0	3	5	4	4	0	10	9	8	8	
11	0	3	5	4	3	0	10	9	7	9	
12	0	3	5	4	2	0	10	12	7	9	
13	0	3	5	3	2	0	10	11	6	9	
14	0	3	5	3	1	0	10	12	6	9	
15	0	3	5	4	1	0	10	12	6	9	
16	0	2	6	4	1	0	8	7	6	7	
17	0	2	5	4	1	0	9	7	9	7	
18	0	4	5	4	1	0	10	6	9	7	
19	0	2	6	6	1	0	10	7	9	7	
20	0	3	6	4	1	0	8	6	8	7	
21	0	5	6	4	0	0	6	6	9	4	
22	0	6	6	4	0	0	6	8	8	4	
23	0	5	6	4	0	0	5	6	9	4	
24	0	5	6	4	0	0	5	7	9	4	
25	0	5	6	4	0	0	5	10	10	4	
26	0	5	6	3	0	0	5	10	7	0	
27	0	5	6	3	0	0	5	6	7	0	
28	0	5	6	6	0	0	5	7	7	0	
29	0	5	6	3	0	0	5	7	7	0	
30	0	5	5	3	0	0	5	8	7	0	
31	0	.....	5	3	.....	0	.....	7	7	.....
Mean	0	4	5	4	2	0	8	7	7	6	
Max.	0	6	6	5	5	0	12	12	10	9	
Min.	0	2	5	3	0	0	5	5	6	0	
A. F.	0	228	337	248	121	0	484	454	454	347	
Water used 934 A. F.						Water used 1739 A. F.					

TRI-STATE LATERAL NO. 3						TRI-STATE CANAL					
Diverted from North Platte River						Diverted from Akers Draw					
DATE	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.	
1	0	0	0	2	0	0	10	12	15	15	
2	0	3	0	2	0	0	10	12	15	15	
3	0	3	0	2	0	0	10	12	15	15	
4	0	0	0	2	0	0	10	12	15	15	
5	0	0	0	2	0	0	10	12	15	15	
6	0	0	0	0	0	10	10	12	15	15	
7	0	0	0	0	0	10	10	12	15	15	
8	0	0	0	0	0	10	10	12	15	15	
9	0	0	0	0	0	10	10	12	15	15	
10	0	2	0	2	0	10	10	12	15	15	
11	0	2	2	2	0	10	12	13	15	15	
12	0	2	2	2	0	10	12	13	15	15	
13	0	2	2	0	0	10	12	13	15	15	
14	0	2	2	2	0	10	12	13	15	15	
15	0	2	2	2	0	10	12	13	15	15	
16	0	2	2	0	0	10	12	13	15	16	
17	0	2	0	0	0	10	12	13	15	16	
18	0	2	0	0	0	10	12	13	15	16	
19	0	2	0	0	0	10	12	13	15	16	
20	0	2	0	0	0	10	12	13	15	16	
21	0	2	2	0	0	10	12	13	15	16	
22	0	2	0	0	0	10	12	13	15	16	
23	0	0	0	0	0	10	12	13	15	16	
24	0	0	0	0	0	10	12	13	15	16	
25	0	0	0	0	0	10	12	13	15	16	
26	0	0	0	0	0	10	12	13	15	16	
27	0	0	0	2	0	10	12	13	15	16	
28	0	0	0	0	0	10	12	13	15	16	
29	0	0	0	0	0	10	12	13	15	16	
30	0	0	0	0	0	10	12	13	15	16	
31	0	.....	2	0	.....	10	.....	13	15	.....
Mean	0	1	0.5	0.6	0	8	11	13	15	15	
Max.	0	2	2.0	2.0	0	10	12	13	15	16	
Min.	0	0	.0	.0	0	0	10	12	15	15	
A. F.	0	64	32.0	44.0	0	515	694	780	922	922	
Water used 140 A. F.						Water used 3833 A. F.					

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

DATE	TRI-STATE CANAL					TRI-STATE CANAL					Dry
	Diverted MAY	from JUNE	Sheep JULY	Creek AUG.	SEPT.	Diverted MAY	from JUNE	Spotted JULY	Tail AUG.	Creek, SEPT.	
1	0	40	71	96	115	0	0	25	33	45	
2	0	0	71	78	115	0	0	26	33	45	
3	0	0	73	97	115	0	0	26	33	45	
4	0	36	80	98	115	0	0	28	33	45	
5	0	61	77	103	115	0	0	28	33	45	
6	0	62	76	100	112	0	0	28	35	47	
7	0	68	77	97	112	0	0	30	36	50	
8	0	71	76	97	112	0	0	30	37	53	
9	0	62	87	93	112	0	0	32	37	50	
10	0	67	84	92	112	0	0	34	36	50	
11	0	62	81	93	110	0	0	34	35	45	
12	0	62	80	92	100	0	0	34	37	40	
13	0	64	80	92	90	0	0	36	37	30	
14	0	64	77	94	88	0	0	36	38	2	
15	0	66	100	93	0	0	17	38	39	0	
16	0	67	90	93	0	0	18	40	40	0	
17	0	67	103	100	0	0	18	42	40	0	
18	0	67	88	98	0	0	18	38	40	0	
19	0	70	86	102	0	0	20	36	40	0	
20	0	71	83	102	0	0	20	36	40	0	
21	0	73	83	102	0	0	20	34	42	0	
22	0	71	87	104	0	0	20	32	39	0	
23	0	76	89	106	0	0	20	30	39	0	
24	0	84	88	102	0	0	20	30	39	0	
25	20	76	88	103	0	0	20	29	39	0	
26	40	71	86	103	0	0	23	29	40	0	
27	40	71	85	104	0	0	23	29	40	0	
28	40	71	84	140	0	0	23	30	40	0	
29	40	71	87	124	0	0	23	30	40	0	
30	40	69	84	118	0	0	23	31	40	0	
31	14	.....	84	116	.....	0	.....	31	40	.....
Mean	8	63	83	101	51	0	11	32	36	19	
Max.	40	84	103	140	115	0	23	42	42	53	
Min.	0	0	71	78	0	0	0	25	33	0	
A. F.	266	3689	5127	6212	3021	0	647	1967	2241	1174	
Water used	18306	A. F.				6029	A. F.				

DATE	TRI-STATE CANAL					Wet SEPT.
	Diverted MAY	from JUNE	Spotted JULY	Tail AUG.	Creek	
1	0	10	13	30	40	
2	0	10	13	30	40	
3	0	10	14	30	40	
4	0	8	16	30	40	
5	0	8	17	30	40	
6	0	10	17	31	45	
7	0	12	17	31	45	
8	0	12	17	31	53	
9	0	12	17	31	50	
10	0	12	17	31	50	
11	0	8	20	30	50	
12	13	5	22	30	50	
13	13	7	22	30	50	
14	13	10	22	30	51	
15	13	10	22	30	50	
16	13	10	30	32	45	
17	13	9	50	32	45	
18	13	10	40	32	45	
19	13	11	30	32	45	
20	13	12	30	32	45	
21	14	12	24	32	43	
22	14	13	24	34	30	
23	14	13	24	34	10	
24	14	14	24	34	0	
25	14	14	24	34	0	
26	13	15	25	34	0	
27	13	15	25	34	0	
28	13	15	25	34	0	
29	13	14	25	34	0	
30	13	14	25	34	0	
31	13	.....	25	54	.....
Mean	8	11	23	32	33	
Max.	14	15	50	54	53	
Min.	0	5	13	30	0	
A. F.	525	662	1420	1958	1987	
Water used	6552	A. F.				

DATE	TRI-STATE CANAL					Tub AUG.	Springs SEPT.	
	Diverted MAY	from JUNE	Spotted JULY	Tail AUG.	Creek			
1	0	0	38	46	53			
2	0	0	38	46	53			
3	0	0	38	46	53			
4	0	0	38	46	53			
5	0	0	38	46	53			
6	0	0	40	46	53			
7	0	0	40	46	53			
8	0	0	40	46	53			
9	0	0	40	46	53			
10	0	0	40	46	53			
11	0	0	44	49	55			
12	0	10	44	49	55			
13	0	15	44	49	57			
14	0	26	44	49	57			
15	0	26	44	49	57			
16	0	26	51	50	53			
17	0	25	51	50	53			
18	0	28	51	50	53			
19	0	32	50	50	53			
20	0	32	50	50	53			
21	0	32	45	53	53			
22	0	34	45	53	40			
23	0	34	45	53	30			
24	0	34	45	53	10			
25	0	34	45	53	0			
26	0	34	45	53	0			
27	0	34	45	53	0			
28	0	34	45	53	0			
29	0	34	45	53	0			
30	0	34	45	53	0			
31	0	.....	46	53	.....		
Mean	0	18	44	50	40			
Max.	0	34	51	53	57			
Min.	0	0	38	46	0			
A. F.	0	1107	2695	3050	2398			
Water used	9250	A. F.						

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued

DATE	TRI-STATE CANAL					TRI-STATE CANAL				
	Diverted from MAY	Moffat JUNE	Drain JULY	AUG.	SEPT.	Diverted from MAY	Alliance JUNE	Drain JULY	AUG.	SEPT.
1	0	0	0	0	14	0	0	12	37	30
2	0	0	0	0	14	0	0	12	37	30
3	0	0	0	12	14	0	0	12	37	30
4	0	0	0	12	14	0	0	12	37	30
5	0	0	0	12	14	0	0	12	37	30
6	0	0	0	12	14	0	0	12	37	30
7	0	0	0	12	14	0	0	12	37	30
8	0	0	0	12	14	0	0	12	37	30
9	0	0	0	12	14	0	0	12	37	30
10	0	0	0	12	14	0	0	12	37	30
11	0	0	0	14	14	0	0	12	30	15
12	0	0	0	14	14	0	12	12	30	15
13	0	0	0	14	14	0	12	12	30	15
14	0	0	0	14	14	0	12	12	30	15
15	0	0	0	14	14	0	12	12	30	15
16	0	0	0	14	14	0	12	12	30	15
17	0	0	0	14	14	0	12	12	30	15
18	0	0	0	14	14	0	12	12	30	15
19	0	0	0	14	14	0	12	12	30	15
20	0	0	0	14	14	0	12	12	30	15
21	0	0	0	14	0	0	12	12	30	0
22	0	0	0	14	0	0	12	12	30	0
23	0	0	0	14	0	0	12	12	30	0
24	0	0	0	14	0	0	12	12	30	0
25	0	0	0	14	0	0	12	12	0	0
26	0	0	0	14	0	0	12	12	0	0
27	0	0	0	14	0	0	12	12	0	0
28	0	0	0	14	0	0	12	12	0	0
29	0	0	0	14	0	0	12	12	0	0
30	0	0	0	14	0	0	12	12	30	0
31	0	.....	0	14	.....	0	.....	12	30	.....
Mean	0	0	0	13	9	0	8	12	27	9
Max.	0	0	0	14	14	0	12	12	37	30
Min.	0	0	0	0	0	0	0	12	0	0
A. F.	0	0	0	773	555	0	452	738	1686	892
Water used	1328 A. F.					3768 A. F.				

TRI-STATE CANAL—SUMMARY IN ACRE-FEET
Water Disposal by Farmers Irrigation District

	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
From North Platte River.....	18113	63476	66485	63940	49085	261099
Sheep Creek.....	466	3689	5127	6212	3021	18515
Akers Draw.....	515	677	780	922	922	3816
Spotted Tail, Dry.....	0	647	1967	2241	1174	6029
Spotted Tail, Wet.....	525	662	1420	1958	1987	6552
Tub Springs.....	0	1107	2695	3050	2398	9250
Moffat Drain.....	0	0	0	773	555	1328
Alliance Drain.....	0	452	738	1686	892	3768
Total Diversion.....	19619	70710	79212	80782	60034	310357
Total Waste.....	7019	0	0	3552	6623	17194
Net Diverted.....	12600	70710	79212	77230	53411	293163
Diverted for Northport District.....	482	13746	20841	21520	20827	77416
Diverted for Farmers Irrigation District.....	12118	56964	58371	55710	32584	215747

	Acreage Reported	Net Acre-Feet Used	Per Acre
A-660 and D-918.....	66999	215747	3.22
A-768.....	16139	77416	4.80
Total.....	83138	293163	3.53

Season—May 3 to October 1, or 151 days.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Continued
UNION CANAL

DATE	Diverted from Blue Creek				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	26	0	0
2	0	5	28	0	0
3	0	6	20	0	0
4	0	6	10	0	0
5	0	7	7	0	0
6	0	8	9	0	0
7	0	8	11	0	0
8	0	8	11	9	0
9	0	8	9	9	0
10	0	7	6	9	0
11	0	8	5	6	0
12	0	7	5	18	0
13	0	8	6	26	0
14	0	8	9	10	0
15	0	8	17	14	0
16	0	8	8	18	0
17	0	6	10	18	0
18	0	5	15	18	0
19	0	6	17	14	0
20	0	11	23	14	0
21	0	11	26	12	0
22	0	11	19	12	0
23	0	11	12	12	0
24	0	11	10	12	0
25	0	11	16	12	0
26	0	17	14	0	0
27	0	10	18	0	0
28	0	7	20	0	0
29	0	9	28	0	0
30	0	10	30	0	0
31	0	.....	30	0	.....
Mean	0	8	15	8	0
Max.	0	17	30	26	0
Min.	0	0	5	0	0
A. F.	0	488	942	482	0

Area reported 1288 acres.
 Water used 1912 A. F.
 Per acre 1.48 A. F.

WESTERN CANAL

DATE	Diverted from South Platte River							AUG.	SEPT.
	OCT.	NOV.	APR.	MAY	JUNE	JULY			
1	27	50	66	118	131	34	34	80	
2	22	50	66	106	103	34	34	100	
3	25	50	66	150	88	31	34	100	
4	27	50	66	181	80	34	31	94	
5	30	50	61	164	74	33	34	88	
6	32	58	59	140	70	31	36	88	
7	39	58	57	140	74	34	34	86	
8	39	58	57	115	77	34	80	88	
9	40	58	54	121	69	109	198	100	
10	47	58	54	86	64	254	140	94	
11	49	50	54	91	66	170	80	112	
12	49	40	52	115	66	103	61	181	
13	52	30	52	112	66	74	54	94	
14	49	30	50	88	64	59	50	94	
15	47	20	47	88	61	52	43	103	
16	44	10	47	83	59	72	38	109	
17	44	10	47	88	57	59	31	103	
18	52	10	47	91	54	54	36	118	
19	54	10	47	94	54	50	38	100	
20	59	10	57	88	50	45	40	94	
21	62	0	74	85	47	43	38	86	
22	62	0	91	66	50	43	43	86	
23	62	0	88	0	45	43	43	83	
24	62	0	91	0	43	40	45	74	
25	62	0	97	0	43	38	49	80	
26	40	0	80	54	41	36	100	64	
27	40	0	77	109	40	34	91	80	
28	40	0	80	118	36	31	168	74	
29	40	0	83	115	36	29	140	72	
30	40	0	109	140	34	31	115	72	
31	40	.....	.....	140	.....	31	94	.....
Mean	44	24	66	100	61	57	66	93	
Max.	62	58	109	181	131	254	198	181	
Min.	22	0	47	0	34	29	31	64	
A.F.	2731	1507	3919	6121	3654	3501	4070	5568	

Area reported 12733 acres.
 Water used 31071 A. F.
 Per acre 2.44 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1933—Concluded
WINTERS CREEK CANAL

DATE	Diverted from North Platte River					SEPT.
	APR.	MAY	JUNE	JULY	AUG.	
1	0	0	8	32	1	13
2	0	0	11	32	1	15
3	0	0	33	32	3	15
4	0	0	32	38	22	21
5	0	0	18	36	24	21
6	0	0	20	32	22	22
7	0	0	22	16	18	21
8	0	0	22	33	8	24
9	0	0	24	22	5	29
10	0	0	24	23	6	29
11	0	0	27	33	11	31
12	0	0	27	34	31	37
13	0	0	28	41	33	26
14	0	0	25	43	29	22
15	0	0	20	6	29	26
16	5	0	17	0	15	29
17	5	0	19	0	8	29
18	7	0	25	13	4	26
19	9	0	27	58	8	26
20	6	0	32	60	29	26
21	8	0	34	41	30	26
22	8	7	32	34	33	26
23	8	7	30	34	30	34
24	8	7	31	0	14	47
25	8	7	27	0	3	37
26	5	7	15	0	7	24
27	5	7	21	24	16	26
28	5	7	30	29	24	24
29	5	8	32	47	20	24
30	5	9	33	40	18	24
31	.....	9	.....	7	15	.....
Mean	3	2	24	27	16	26
Max.	8	9	34	60	33	47
Min.	0	0	8	0	1	13
A. F.	192	148	1480	1666	1025	1547

Area reported 1229 acres.

Water used 6058 A. F.

Per acre 4.94 A. F.

WINTERS CREEK CANAL
 Diverted from Winters Creek

DATE	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	53	76	71	14
2	0	0	56	73	66	19
3	0	0	58	63	70	29
4	0	0	57	51	50	28
5	0	0	49	42	47	31
6	0	0	49	31	47	41
7	0	0	51	42	51	58
8	0	0	57	59	60	68
9	0	0	73	59	60	71
10	0	0	72	57	61	65
11	0	0	78	50	57	55
12	0	0	80	26	53	51
13	3	0	79	39	36	45
14	6	0	72	26	22	39
15	6	0	64	40	25	42
16	0	0	59	47	54	52
17	1	0	55	66	71	48
18	1	0	53	52	58	47
19	4	0	57	26	58	48
20	1	0	68	24	42	51
21	0	0	66	16	30	51
22	0	16	66	25	42	56
23	0	40	70	44	37	76
24	0	31	73	50	56	69
25	0	14	74	56	56	52
26	0	20	79	58	52	41
27	0	26	79	57	35	22
28	0	25	62	58	25	17
29	0	26	66	51	24	20
30	0	22	63	66	28	26
31	.....	33	.....	74	24	.....
Mean	1	8	64	48	47	44
Max.	6	40	79	76	71	76
Min.	0	0	49	16	22	14
A. F.	44	502	3844	2983	2912	2642

Area reported 2938 acres.

Water used 12927 A. F.

Per acre 4.41 A. F.

WHITNEY RESERVOIR—WHITNEY IRRIGATION DISTRICT

WHITE RIVER

Contents in acre-feet—1933

DATE	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	7150	.....	.....	.....
2	2500	.....
3	9700	.....	.....	.....	.....
4
5	3350	.....	.....
6	9700	.....	.....	.....	.....	.....
7	2150
8	9150	5900	.....	.....	.....
9	2450	.....
10
11
12
13	9900	.....	.....	2650	.....	.....
14
15	8500	.....	.....	5750	.....	.....	.....
16	2500	.....
17	9100	.....	.....	.....	.....
18
19	2150	.....	.....
20	9900	.....	.....	.....	.....	.....
21
22	8900	.....	.....	.....	.....	2100	.....
23	5025	.....	.....	.....
24	8000	.....	.....	.....	.....
25
26	2375	.....	.....
27	9800	.....	.....	.....	.....	.....
28
29	9250	.....	.....	3825	.....	.....	.....
30	2150	.....
31

DISCHARGE IN SECOND-FEET OF CANALS, 1934

ALFALFA CANAL
Diverted from North Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	20	0	0	0	8
2	20	0	0	0	15
3	30	0	0	0	20
4	40	0	0	1	36
5	50	0	0	1	26
6	59	45	0	0	2
7	59	45	0	0	10
8	59	45	0	0	8
9	59	45	0	1	33
10	59	45	0	26	61
11	59	33	0	14	57
12	59	0	0	0	45
13	58	0	0	0	0
14	57	0	0	0	0
15	57	0	0	21	0
16	55	41	8	26	0
17	55	37	17	30	0
18	27	35	17	9	0
19	0	30	13	0	20
20	0	45	2	0	57
21	0	29	0	0	52
22	0	0	1	0	40
23	0	0	0	0	45
24	0	0	0	0	45
25	0	0	0	0	45
26	0	0	0	0	43
27	0	0	2	0	43
28	0	0	2	0	57
29	0	0	2	0	23
30	0	0	2	0	0
31	0	.....	4	0	.....
Mean	28	16	2	4	26
Max.	59	45	17	30	61
Min.	0	0	0	0	0
A. F.	1749	942	139	256	1569

Area reported 3085 acres.
Water used 4655 A. F.
Per acre 1.50 A. F.

ALLIANCE CANAL
Diverted from Bayard Drain

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	20	0	0	0
2	0	21	10	0	0
3	0	22	24	0	0
4	0	21	25	0	0
5	0	21	27	0	0
6	0	22	25	0	0
7	0	23	28	0	0
8	0	24	26	0	0
9	0	25	34	0	0
10	0	12	0	0	0
11	0	0	0	9	0
12	0	0	0	27	0
13	0	0	0	31	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	11	0	0	9
17	25	28	0	0	10
18	25	30	0	0	10
19	24	30	0	0	12
20	26	31	0	0	15
21	28	34	0	0	15
22	28	33	0	0	18
23	29	20	10	0	18
24	31	26	0	0	9
25	28	27	0	0	9
26	24	29	0	0	8
27	19	21	20	0	8
28	16	0	34	0	9
29	10	0	25	0	8
30	0	0	6	2	7
31	15	.....	0	0	.....
Mean	11	17	8	2	5
Max.	31	34	34	31	18
Min.	0	0	0	0	0
A. F.	651	1053	583	137	327

Area reported 2106 acres.
Water used 2751 A. F.
Per acre 1.30 A. F.

ALLIANCE CANAL
Diverted from Red Willow Creek

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	26	0	23	31
2	0	24	8	26	31
3	0	26	24	23	32
4	0	26	33	23	32
5	0	27	39	25	31
6	0	27	27	24	32
7	0	29	25	26	28
8	0	25	27	25	28
9	0	30	12	29	29
10	0	10	0	0	29
11	0	0	0	18	33
12	0	0	0	0	15
13	0	0	0	0	0
14	0	0	0	20	0
15	0	0	0	20	12
16	20	15	12	19	29
17	20	27	24	27	32
18	20	37	23	27	0
19	20	37	24	25	30
20	20	36	25	28	36
21	20	34	22	27	30
22	26	37	25	27	22
23	32	37	24	24	22
24	24	41	24	24	19
25	23	37	24	26	20
26	23	30	27	24	21
27	24	17	22	26	20
28	24	0	32	26	20
29	0	0	32	24	20
30	0	0	31	30	20
31	12	.....	28	26	.....
Mean	10	21	19	22	23
Max.	32	41	39	30	36
Min.	0	0	0	0	0
A. F.	611	1259	1178	1327	1396

Area reported 4101 acres.
Water used 5771 A. F.
Per acre 1.40 A. F.

ATKINS-POLLY CANAL
Diverted from Lodgepole Creek

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	1	0	1
2	0	0	1	0	1
3	0	0	0	2	1
4	0	1	0	2	1
5	0	2	0	2	1
6	0	2	0	2	1
7	0	1	0	2	1
8	0	5	0	2	1
9	0	3	1	2	1
10	0	1	1	2	1
11	2	1	1	1	1
12	2	1	1	1	1
13	2	1	2	1	1
14	2	2	1	1	1
15	2	2	1	1	1
16	2	1	1	1	1
17	2	0	1	1	1
18	2	0	1	0	1
19	2	0	2	1	1
20	2	0	2	0	1
21	2	0	1	1	0
22	2	3	1	1	0
23	2	3	1	1	0
24	2	3	1	1	0
25	2	3	1	1	0
26	0	2	1	1	0
27	0	2	1	1	0
28	0	2	0	1	0
29	0	2	0	0	0
30	0	2	0	0	0
31	0	.....	.....	0	.....
Mean	1	1	0.8	1	0.6
Max.	2	3	2.0	2	1.0
Min.	0	0	0	0	0
A. F.	59	89	47.0	63	39.0

Area reported 85 acres.
Water used 297 A. F.
Per acre 3.50 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	BARBER CANAL					BEERLINE CANAL				
	Diverted from		Clear	Creek		Diverted from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	6	0	0	0	0	1	2
2	0	0	0	6	0	0	0	0	1	2
3	0	0	0	6	0	0	0	0	1	2
4	0	0	0	6	0	0	0	0	1	4
5	0	7	0	6	0	0	0	0	1	3
6	0	7	0	6	0	0	0	0	1	3
7	0	7	0	6	0	0	0	0	1	3
8	0	7	0	5	7	0	0	0	1	3
9	0	5	0	5	8	0	0	0	1	3
10	0	5	0	5	8	0	0	0	1	0
11	0	3	0	3	9	0	0	0	2	0
12	0	0	0	0	10	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0	0	5	0	0	0	0	0	0
16	7	3	4	6	0	0	0	0	0	0
17	7	6	8	5	0	0	0	0	0	0
18	7	5	6	5	3	0	0	0	0	0
19	7	6	5	5	6	0	0	0	0	0
20	7	6	6	5	6	0	0	0	0	0
21	7	3	6	5	8	0	0	0	0	0
22	7	0	6	5	6	0	0	0	0	0
23	7	0	5	5	6	0	0	2	0	0
24	7	0	5	5	6	0	0	2	0	0
25	7	3	5	5	6	0	0	3	0	0
26	7	6	5	5	5	0	0	2	0	0
27	7	6	5	6	5	0	0	1	1	0
28	3	0	5	5	5	0	0	1	1	0
29	0	0	6	6	5	0	0	1	1	0
30	0	0	6	6	5	0	0	1	1	0
31	0	.....	6	6	.....	0	.....	1	1	.....
Mean	3	3	3	5	3	0	0	0.5	0.5	1
Max.	7	7	8	6	10	0	0	3.0	2.0	3
Min.	0	0	0	0	0	0	0	.0	.0	0
A. F.	172	168	176	297	226	0	0	28.0	34.0	50

Area reported 775 acres.

Water used 1039 A. F.

Per acre 1.34 A. F.

Area reported 2076 acres.

Water used 112 A. F.

Per acre 0.05 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued
BELMONT AND EMPIRE CANALS

DATE	Diverted from North Platte River						
	OCT.	NOV.	MAY	JUNE	JULY	AUG.	SEPT.
1	24	15	100	116	128	125	98
2	27	15	110	115	125	124	92
3	24	15	105	112	128	121	99
4	24	15	99	114	125	119	99
5	49	15	90	116	125	116	98
6	31	15	70	120	129	113	96
7	27	15	70	114	124	114	99
8	18	15	70	116	125	118	103
9	21	15	50	116	127	124	107
10	21	0	40	121	124	124	108
11	21	0	30	116	125	117	104
12	20	0	30	114	127	118	96
13	21	0	30	114	127	109	75
14	21	0	34	134	126	121	75
15	21	0	34	108	125	122	81
16	26	0	34	108	125	118	81
17	23	0	34	108	112	117	81
18	21	0	8	86	113	112	82
19	20	0	8	108	109	96	86
20	21	0	12	112	96	103	73
21	13	0	10	109	96	103	63
22	12	0	7	112	89	104	65
23	21	0	7	113	79	129	69
24	26	0	4	113	115	128	70
25	21	0	23	116	125	125	70
26	21	0	60	109	130	118	70
27	21	0	51	125	128	114	70
28	21	0	95	133	126	112	70
29	17	0	112	125	124	102	70
30	17	0	116	129	123	99	70
31	17	-----	112	-----	124	99	-----
Mean	22	4	53	115	120	115	84
Max.	49	15	116	134	130	129	108
Min.	17	0	4	86	79	96	63
A. F.	1364	268	3283	6847	7347	7069	4998

BELMONT CANAL—SUMMARY IN ACRE-FEET

	OCT.	NOV.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
From North Platte River.....	1364	268	3283	6847	7347	7069	4998	31176
From Cedar Creek.....	0	0	220	569	559	601	587	2536
Total	1364	268	3503	7416	7906	7670	5585	33712
Empire Canal.....	*	*	194	549	722	621	266	2352
Net to Belmont.....	1364	268	3309	6867	7184	7049	5319	31360

Area reported..... 15158 acres.
 Water used..... 31360 A. F.
 Per acre..... 2.07 A. F.

* No record.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	BELMONT FEEDER				BICKEL CANAL					
	Diverted from		Cedar	Creek	Diverted from					
	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	7	10	10	10	0	1	0	0	1
2	0	7	10	10	10	0	2	0	0	1
3	0	8	10	10	10	0	2	0	1	1
4	0	8	10	8	10	0	1	0	1	1
5	0	7	10	10	10	0	2	0	1	1
6	0	7	10	10	10	0	3	0	1	1
7	0	7	10	10	10	0	3	0	1	1
8	0	11	10	11	10	0	5	0	1	1
9	0	11	10	8	10	0	2	0	1	1
10	0	6	10	8	10	0	2	0	1	1
11	0	6	10	8	10	0	2	1	1	1
12	0	7	10	10	10	0	2	1	1	1
13	0	11	9	10	10	0	2	1	1	1
14	0	11	9	10	10	0	2	1	1	1
15	0	11	10	10	10	0	2	2	1	1
16	6	11	10	10	10	0	0	2	1	1
17	6	11	10	10	10	0	0	1	1	1
18	6	11	10	10	10	0	0	1	1	1
19	6	11	9	10	10	0	0	1	1	1
20	6	11	9	10	6	0	0	1	1	0
21	7	11	10	10	10	1	0	1	1	0
22	7	11	8	10	10	1	0	0	1	0
23	7	11	7	10	10	1	0	0	1	0
24	8	11	10	10	10	1	0	0	1	0
25	8	11	10	10	10	1	0	0	1	0
26	7	11	10	10	10	1	0	0	1	0
27	8	11	8	10	10	1	0	0	1	0
28	8	11	9	10	10	1	0	0	1	0
29	7	8	7	10	10	1	0	0	1	0
30	7	11	7	10	10	1	0	0	1	0
31	7	.....	10	10	.....	1	.....	0	1	.....
Mean	4	9	9	10	10	0.3	1	0.4	1	0.6
Max.	8	11	10	11	10	1.0	5	2.0	1	1.0
Min.	0	6	7	8	6	.0	0	.0	0	.0
A. F.	220	569	559	601	587	22.0	65	26.0	57	38.0

Area reported 98 acres.
Water used 208 A. F.
Per acre 2.12 A. F.

DATE	BIRDWOOD CANAL				
	Diverted from Birdwood Creek				
	MAY	JUNE	JULY	AUG.	SEPT.
1	14	30	19	14	18
2	14	0	20	15	8
3	14	0	24	16	8
4	14	0	20	15	11
5	14	0	7	11	15
6	17	0	3	9	15
7	21	20	0	37	20
8	18	26	0	39	25
9	22	32	0	44	30
10	22	30	0	44	21
11	24	30	0	27	6
12	25	20	0	38	6
13	27	0	0	44	10
14	9	0	0	44	14
15	3	0	0	29	18
16	3	0	0	36	17
17	15	1	30	36	16
18	27	0	42	5	16
19	36	0	38	5	21
20	33	1	44	14	16
21	17	1	46	20	6
22	33	2	38	30	5
23	33	1	44	33	8
24	40	0	45	34	14
25	29	2	46	32	13
26	33	4	34	23	13
27	30	14	41	22	15
28	35	15	35	23	18
29	41	22	35	23	20
30	44	25	33	18	20
31	48	.....	37	17	.....
Mean	24	9	22	26	14
Max.	48	25	46	44	25
Min.	3	0	0	5	5
A. F.	1497	547	1351	1581	879

Area reported 5460 acres.
Water used 5855 A. F.
Per acre 1.07 A. F.

DATE	BLUE CREEK CANAL				
	Diverted from Blue Creek				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	30	0	0	28
2	0	25	0	0	31
3	0	20	0	0	31
4	0	20	0	0	15
5	0	20	17	0	33
6	10	15	33	0	30
7	14	14	33	0	36
8	14	14	33	0	31
9	14	14	33	0	38
10	14	14	33	0	29
11	10	15	17	5	31
12	10	15	0	8	7
13	10	15	0	6	0
14	10	15	0	0	0
15	10	15	0	0	17
16	10	15	16	20	24
17	10	15	0	36	34
18	10	15	6	36	38
19	10	15	25	36	40
20	10	20	23	36	34
21	8	25	14	26	35
22	7	27	0	25	43
23	3	30	0	29	34
24	3	33	0	29	34
25	3	37	15	29	34
26	0	36	32	29	33
27	0	35	16	30	33
28	0	18	0	32	33
29	0	0	0	31	33
30	0	0	0	35	36
31	0	0	.....	29	33
Mean	6	19	11	16	29
Max.	14	37	33	36	43
Min.	0	0	0	0	0
A. F.	371	1154	686	1005	1801

Area reported 2848 acres.
Water used 6267 A. F.
Per acre 2.20 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

BROWN CREEK CANAL

DATE	Diverted from North Platte River					SEPT.
	OCT.	MAY	JUNE	JULY	AUG.	
1	20	0	67	27	33	48
2	20	0	74	25	27	54
3	20	0	89	17	30	54
4	20	0	90	23	29	69
5	20	0	75	57	59	58
6	24	0	51	20	33	53
7	24	0	40	32	17	57
8	24	0	67	45	21	59
9	24	0	71	60	23	62
10	24	0	57	30	11	71
11	20	0	61	0	0	67
12	20	0	57	0	0	7
13	20	0	62	0	8	0
14	20	0	47	0	3	0
15	20	0	53	0	0	10
16	15	0	38	15	30	46
17	15	0	54	39	17	66
18	15	0	60	22	26	66
19	15	0	49	15	31	46
20	15	0	50	15	35	46
21	5	0	43	17	34	65
22	5	0	55	15	50	71
23	5	0	52	18	48	70
24	5	0	40	17	51	71
25	5	0	44	32	61	71
26	0	0	48	48	63	58
27	0	0	36	64	52	27
28	0	10	29	52	49	18
29	0	30	26	42	51	21
30	0	43	28	36	52	20
31	0	56	.....	37	44	.....
Mean	13	4	53	26	32	47
Max.	24	56	90	64	63	71
Min.	0	0	26	0	0	0
A. F.	833	276	3199	1626	1960	2838

Area reported 6142 acres.

Water used 10732 A. F.

Per acre 1.75 A. F.

CASTLE ROCK CANAL

DATE	Diverted from North Platte River					SEPT.
	OCT.	MAY	JUNE	JULY	AUG.	
1	45	44	81	75	84	84
2	47	44	75	80	84	80
3	50	40	100	72	82	75
4	50	40	58	75	77	69
5	51	40	102	92	100	65
6	50	40	61	108	92	68
7	40	40	58	82	86	79
8	20	40	43	68	82	78
9	20	40	75	84	86	14
10	20	40	62	80	92	62
11	10	40	65	104	70	70
12	0	40	68	90	90	55
13	0	40	66	112	78	61
14	0	40	65	69	75	54
15	0	40	78	72	79	63
16	0	42	73	104	78	60
17	0	45	44	72	82	57
18	0	45	43	78	78	49
19	0	48	84	84	77	42
20	0	50	70	78	78	45
21	0	55	65	77	75	100
22	0	54	76	84	68	64
23	0	52	67	89	82	64
24	0	57	72	94	80	63
25	0	56	71	57	76	68
26	0	56	67	53	75	68
27	0	92	65	44	73	73
28	0	90	73	71	73	64
29	0	84	74	78	76	62
30	0	80	77	82	77	65
31	0	81	.....	88	82	.....
Mean	13	51	69	81	81	64
Max.	51	92	102	112	100	100
Min.	0	40	43	44	68	14
A. F.	799	3164	4122	4951	4933	3810

Area reported 6089 acres.

Water used 21779 A. F.

Per acre 3.58 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued
CENTRAL POWER COMPANY

DATE	Boelus Supply Canal							JUNE	JULY	AUG.	SEPT.
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.				
1	*	550	844	*	*	*	*	450	0	430	500
2	.....	1280	1054	.....	.....	.....	.....	450	438	426	550
3	.....	865	0	.....	.....	.....	.....	444	438	426	1200
4	.....	760	928	.....	.....	.....	.....	655	550	377	970
5	.....	0	800	.....	.....	.....	.....	520	500	*	550
6	.....	0	800	.....	.....	.....	.....	655	510	.....	520
7	.....	800	760	.....	.....	.....	.....	635	450	.....	520
8	.....	800	760	.....	.....	.....	.....	370	0	.....	540
9	.....	844	760	.....	.....	.....	.....	500	426	.....	550
10	.....	844	0	.....	.....	.....	.....	500	420	.....	823
11	.....	800	0	.....	.....	.....	.....	510	390	*	1200
12	*	0	0	.....	.....	.....	.....	550	510	0	907
13	296	675	0	.....	.....	.....	.....	450	480	1200	613
14	200	590	0	.....	.....	.....	.....	470	426	865	823
15	0	660	470	.....	.....	.....	.....	550	390	720	1200
16	928	300	480	.....	.....	.....	.....	550	355	675	0
17	928	613	470	.....	.....	.....	.....	865	355	*	550
18	885	660	355	.....	.....	.....	.....	886	365	.....	520
19	865	0	450	.....	.....	.....	.....	760	349	.....	592
20	823	0	510	.....	.....	.....	.....	520	355	.....	675
21	823	590	655	.....	.....	.....	.....	520	355	*	970
22	0	681	928	.....	.....	.....	.....	655	340	585	823
23	550	681	928	.....	.....	.....	.....	613	308	*	550
24	760	718	0	.....	.....	.....	.....	0	286	.....	970
25	760	844	0	.....	.....	.....	.....	408	360	*	1055
26	760	0	0	.....	.....	.....	.....	426	480	0	1180
27	675	718	0	.....	.....	.....	.....	* 444	470	500	760
28	660	718	282	.....	.....	.....	.....	480	414	470	520
29	0	760	282	.....	.....	.....	.....	450	402	0	510
30	540	760	282	.....	.....	.....	.....	480	426	440	590
31	530	.....	280	.....	.....	.....	.....	584	.....	426	.....
Mean	*	587	420	.....	.....	.....	.....	*	526	375	729
Max.	*	1280	1054	.....	.....	.....	.....	*	886	550	1200
Min.	*	0	0	.....	.....	.....	.....	*	0	0	0
A. F.	†21785	34733	25942	.....	.....	.....	.....	*	31335	23092	43409

DATE	CENTRAL CANAL				
	Diverted from North Platte		River		
	MAY	JUNE	JULY	AUG.	SEPT.
1	7	16	23	32	15
2	7	16	29	27	21
3	7	0	25	17	15
4	7	0	25	18	14
5	7	0	28	23	16
6	10	0	27	15	12
7	10	1	27	21	14
8	10	0	29	20	15
9	10	0	32	21	21
10	10	0	29	25	17
11	25	0	25	17	21
12	25	0	0	16	17
13	30	0	0	22	15
14	30	0	0	27	16
15	30	0	0	24	17
16	43	0	0	14	17
17	42	0	4	16	14
18	42	0	10	14	18
19	42	0	6	15	29
20	40	5	6	14	41
21	39	14	5	14	42
22	35	15	5	16	32
23	36	13	5	16	36
24	39	13	2	17	33
25	28	16	12	14	34
26	22	25	30	13	34
27	22	22	28	14	34
28	24	18	26	14	38
29	19	38	25	14	36
30	13	34	29	15	36
31	17	.....	30	14	.....
Mean	23	8	17	18	24
Max.	43	38	32	32	42
Min.	7	0	0	13	12
A. F.	1444	486	1035	1109	1428

Area reported 2241 acres.
 Water used 5502 A. F.
 Per acre 2.46 A. F.
 * No record.
 † Estimated.

DATE	CHIMNEY ROCK CANAL					
	Diverted from North Platte		River			
	OCT.	MAY	JUNE	JULY	AUG.	SEPT.
1	29	35	37	32	26	32
2	29	35	39	41	26	28
3	29	35	37	37	26	28
4	29	35	44	66	28	30
5	29	35	28	53	28	31
6	24	37	28	64	25	29
7	24	37	37	61	25	32
8	24	37	67	51	27	32
9	24	37	48	49	27	37
10	24	37	44	51	25	33
11	32	38	36	50	26	36
12	32	38	34	30	22	36
13	32	38	30	0	23	40
14	32	38	34	0	19	51
15	32	38	64	0	23	52
16	34	39	55	20	24	47
17	34	39	48	49	22	45
18	34	38	51	29	22	41
19	34	38	57	33	23	35
20	34	42	50	33	23	28
21	20	46	55	31	22	10
22	20	35	55	31	23	38
23	20	28	52	33	22	39
24	20	27	57	33	22	41
25	20	32	54	27	22	48
26	0	32	79	28	20	15
27	0	33	35	26	22	18
28	0	33	44	23	22	11
29	0	37	37	24	34	11
30	0	40	30	25	33	10
31	0	42	.....	26	32	.....
Mean	22	36	45	34	25	32
Max.	34	46	79	66	34	52
Min.	0	27	28	0	19	10
A. F.	1378	2243	2709	2075	1515	1912

Area reported 5582 acres.
 Water used 11832 A. F.
 Per acre 2.12 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	CLEAR CREEK CANAL					CODY-DILLON CANAL					
	Diverted from Clear Creek					Diverted from North Platte River					
	APR.	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	9	0	6	2	0	20	10	30	10
2	0	0	9	0	6	2	0	0	10	30	10
3	0	0	9	0	6	2	0	0	9	30	10
4	0	0	9	0	6	2	0	0	18	30	10
5	0	0	2	0	6	2	0	0	28	30	10
6	0	0	2	0	6	0	0	0	14	32	10
7	0	0	2	0	7	0	0	10	0	35	10
8	0	0	2	0	6	0	0	18	0	30	10
9	0	0	7	9	4	0	0	22	0	30	10
10	0	0	7	0	4	0	0	32	0	30	10
11	3	0	0	4	5	0	0	30	0	25	0
12	3	0	0	8	4	0	0	15	0	25	0
13	3	0	0	5	4	0	0	0	0	25	0
14	3	0	0	4	3	0	0	0	0	25	0
15	3	0	0	6	3	0	0	0	0	25	0
16	3	0	0	0	1	0	0	12	0	30	0
17	3	0	0	2	2	0	0	20	18	36	0
18	3	0	0	2	2	0	0	18	27	31	0
19	3	0	0	2	3	0	3	17	37	30	0
20	3	0	0	2	3	0	10	16	24	30	0
21	2	0	0	1	2	0	20	9	18	20	4
22	2	0	0	1	1	0	20	10	25	20	4
23	2	0	0	3	4	0	20	10	30	20	4
24	2	0	0	4	4	0	26	12	31	20	4
25	2	0	0	6	5	0	20	18	30	20	4
26	2	5	0	7	5	0	18	8	45	20	3
27	2	6	0	4	3	0	17	6	30	20	3
28	2	4	0	4	3	0	17	4	30	10	3
29	2	4	0	3	3	0	34	4	30	10	4
30	2	4	0	3	3	0	34	4	20	10	4
31	.....	4	.....	6	3	.....	29	.....	20	10	.....
Mean	2	1	2	3	4	0.3	9	10	16	25	4
Max.	3	6	9	9	7	2.0	34	32	45	36	10
Min.	0	0	0	0	1	.0	0	0	0	10	0
A. F.	99	53	115	170	244	20.0	531	625	1017	1525	271

Area reported 200 acres. Area reported 4824 acres.
 Water used 701 A. F. Water used 3969 A. F.
 Per acre 3.50 A. F. Per acre 0.82 A. F.

DATE	COURT HOUSE ROCK CANAL					
	Diverted from Pumpkinseed Creek					
	OCT.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	19	7	13	7	8
2	10	19	8	11	7	8
3	10	18	5	9	7	8
4	10	16	0	9	7	8
5	10	16	4	9	8	8
6	10	13	8	7	8	10
7	10	13	11	7	9	10
8	10	13	10	7	9	10
9	10	13	10	8	11	10
10	10	13	10	8	8	10
11	12	12	5	4	4	10
12	12	12	0	0	0	5
13	12	12	0	0	0	0
14	12	12	0	0	3	0
15	12	12	0	0	6	0
16	12	10	0	5	6	0
17	12	10	9	9	7	0
18	12	10	16	9	7	0
19	12	10	11	8	7	8
20	12	10	12	7	7	10
21	12	10	11	6	7	10
22	12	10	11	6	8	10
23	12	11	10	7	8	10
24	12	12	9	5	9	10
25	12	0	9	7	9	10
26	12	0	10	7	9	10
27	12	0	10	7	9	10
28	12	5	11	7	9	10
29	12	10	11	7	9	10
30	12	10	11	7	12	10
31	12	9	.....	7	11	.....
Mean	12	11	7	6	7	7
Max.	12	19	16	13	12	10
Min.	10	0	0	0	0	0
A. F.	698	674	454	403	452	442

Area reported 1283 acres.
 Water used 3123 A. F.
 Per acre 2.44 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	COZAD CANAL						
	Diverted from Platte River						
	OCT.	NOV.	APR. MAY	JUNE	JULY	AUG.	SEPT.
1	90	40	0	105	0	0	0
2	90	40	0	91	0	0	0
3	90	40	0	128	0	0	0
4	90	40	0	143	0	0	0
5	90	40	0	119	0	0	0
6	104	44	0	148	0	0	0
7	104	44	0	140	0	0	0
8	104	44	0	109	0	0	0
9	104	54	0	123	0	0	0
10	104	53	0	123	0	0	0
11	104	50	0	123	0	0	0
12	104	41	0	124	0	0	0
13	104	37	0	62	0	0	0
14	104	37	0	0	0	0	126
15	104	36	0	0	0	0	120
16	60	0	0	0	78	0	120
17	60	0	0	0	80	0	125
18	60	0	0	0	160	0	130
19	60	0	0	0	141	0	124
20	60	0	0	0	132	0	137
21	35	0	0	0	140	0	105
22	35	0	0	0	159	0	96
23	35	0	0	0	188	0	65
24	35	0	0	0	135	0	0
25	35	0	0	0	130	0	0
26	35	0	0	0	52	0	20
27	35	0	47	0	44	0	40
28	35	0	68	0	0	0	40
29	35	0	87	0	0	0	25
30	35	0	96	0	0	0	0
31	35	.....	.....	0	.....	0	.....
Mean	70	21	10	49	44	0	42
Max.	104	54	96	148	188	0	137
Min.	35	0	0	0	0	0	0
A. F.	4314	1269	591	3051	2854	0	2525

Area reported 21510 acres.
 Water used 14604 A. F.
 Per acre 0.68 A. F.

CRESCENT LAKE OUTLET CANAL

DATE	Diverted from Crescent Lake					OCT.
	MAY	JUNE	JULY	AUG.	SEPT.	
1	*	0	0	15	*	*
2	0	0	15	.....	.....
3	0	0	15	.....	.....
4	16	0	15	.....	.....
5	16	0	15	.....	.....
6	16	0	10	.....	.....
7	16	0	10	.....	.....
8	16	0	10	.....	.....
9	16	15	10	.....	.....
10	16	25	7	.....	.....
11	16	25	7	.....	.....
12	16	25	7	.....	.....
13	16	25	7	.....	.....
14	9	29	7	.....	.....
15	3	33	5	.....	.....
16	0	33	5	.....	.....
17	0	33	5	.....	.....
18	0	33	5	.....	.....
19	0	33	5	.....	.....
20	0	33	5	.....	.....
21	0	25	0	.....	.....
22	0	25	0	.....	.....
23	0	25	0	.....	.....
24	0	25	0	.....	.....
25	0	25	0	.....	.....
26	0	20	0	.....	.....
27	0	20	0	.....	.....
28	0	20	0	.....	.....
29	0	20	0	.....	.....
30	0	20	0	.....	.....
31	20	0	.....	.....
Mean	5	19	6	.....	.....
Max.	16	33	15	.....	.....
Min.	0	0	0	.....	.....
A. F.	341	1164	357	.....	.....

Water used 1862 A. F.
 * No record.

CRESCENT LAKE—LAKE WATER CARRYING CO.

Storage in acre-feet—1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						5750				4900		
2									6000			
3			5150									
4								6000				
5		5000										
6												
7								5850				
8										4100		
9			5150									
10												
11									5000			
12		4900					5900		4900			
13								6150				
14										4000		
15										3800		
16									5200			
17												
18								5850				
19		4900										
20												
21										3600		
22												
23									4950			
24												
25						5900						
26												
27								6000				
28												
29										3200		
30												
31												

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued
CULBERTSON CANAL

Diverted from Frenchman River

DATE	OCT.	NOV.	MAY	JUNE	JULY	AUG.	SEPT.
1	45	89	105	85	101	57	92
2	45	90	107	84	110	61	84
3	45	86	110	77	106	63	78
4	45	90	108	86	91	57	76
5	45	93	110	74	95	62	81
6	60	87	112	70	95	75	84
7	60	83	112	67	92	62	78
8	60	86	114	68	103	64	74
9	60	84	115	74	96	76	69
10	60	88	110	76	94	92	55
11	60	90	103	70	102	109	59
12	60	90	91	60	105	94	55
13	60	84	90	50	102	105	61
14	60	89	92	42	106	95	61
15	60	94	90	38	91	98	60
16	50	100	87	9	85	94	58
17	50	94	97	11	85	84	56
18	50	94	102	12	80	84	42
19	50	90	102	32	75	91	39
20	50	91	94	38	77	94	38
21	75	96	92	12	75	80	38
22	75	101	97	18	76	81	39
23	75	65	94	18	68	92	41
24	75	69	97	19	65	100	41
25	75	97	100	49	63	97	42
26	80	0	97	71	69	100	41
27	85	0	88	84	72	102	43
28	85	0	94	86	69	107	42
29	85	0	87	91	72	107	43
30	89	0	84	97	68	96	42
31	90		86		65	94	
Mean	63	74	99	55	85	86	57
Max.	90	101	115	97	110	109	92
Min.	45	0	84	9	63	57	38
A. F.	3895	4403	6083	3308	5262	5302	3396

Area reported 9589 acres.
 Water used 31649 A. F.
 Per acre 3.30 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	DAWSON COUNTY CANAL				SEPT.
	Diverted	from	Platte	River	
	MAY	JUNE	JULY	AUG.	
1	64	14	100	0	40
2	50	5	57	0	50
3	40	0	54	0	70
4	34	0	4	0	110
5	30	0	7	0	98
6	100	51	11	0	70
7	100	44	16	0	53
8	100	31	16	0	48
9	100	32	11	0	74
10	100	16	21	0	320
11	150	2	20	0	277
12	250	19	33	0	254
13	300	36	31	0	260
14	350	21	26	18	161
15	371	18	18	18	179
16	322	87	3	13	98
17	288	166	10	12	98
18	253	316	28	16	90
19	207	197	14	13	90
20	188	234	0	10	97
21	161	170	0	10	91
22	65	145	0	0	97
23	108	260	0	0	170
24	105	402	0	0	258
25	85	192	0	0	258
26	67	122	0	0	179
27	62	196	0	0	161
28	57	199	0	0	145
29	50	194	0	0	140
30	21	155	0	0	192
31	23	.....	0	0	.....
Mean	135	110	15	3	144
Max.	371	402	100	18	320
Min.	30	0	0	0	40
A. F.	8333	6593	952	218	8386

DAWSON COUNTY CANAL—SUMMARY IN ACRE-FEET

	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
From Platte River.....	8333	6593	952	218	8386	24482
Waste into Buffalo Creek.....	*	91	22	0	0	113
Elm Creek.....	0	351	0	0	0	351
French Creek.....	*	*	*	*	*	*
Total Waste.....	0	442	22	0	0	464
Net draft.....	8333	6151	930	218	8386	24018

Area reported..... 73070 acres.
 Water used..... 24018 A. F.
 Per acre..... 0.30 A. F.

* No record.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued
ELM CREEK CANAL

DATE	Diverted from Platte River					AUG.	SEPT.
	OCT.	NOV.	MAY	JUNE	JULY		
1	40	15	40	10	0	0	0
2	40	15	44	5	0	0	0
3	40	15	40	0	0	0	0
4	40	15	38	0	0	0	0
5	40	15	30	0	0	0	0
6	42	15	25	0	0	0	0
7	42	15	25	0	0	0	0
8	42	15	25	0	0	0	0
9	42	15	25	0	0	0	0
10	42	15	25	0	0	0	0
11	49	10	15	0	0	0	0
12	49	10	15	0	0	0	0
13	49	10	15	0	0	0	0
14	49	10	15	0	0	0	0
15	49	10	15	0	0	0	0
16	38	10	9	0	0	0	0
17	38	10	9	0	0	0	0
18	38	10	9	0	0	0	0
19	38	10	9	0	0	0	0
20	38	10	9	0	0	0	0
21	30	12	4	12	0	0	0
22	30	12	4	12	0	0	0
23	30	12	4	12	0	0	0
24	30	12	4	12	0	0	0
25	30	12	4	12	0	0	0
26	15	12	10	18	0	0	0
27	15	12	10	18	0	0	0
28	15	12	10	18	0	0	0
29	15	10	10	18	0	0	0
30	15	10	10	17	0	0	0
31	15	-----	10	-----	0	0	-----
Mean	38	12	17	5	0	0	0
Max.	49	15	44	18	0	0	0
Min.	15	10	4	0	0	0	0
A. F.	2152	726	1025	325	0	0	0

Area reported 6195 acres.
 Water used 4228 A. F.
 Per acre 0.68 A. F.

DATE	Diverted from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.
1	7	5	15	12	5
2	7	4	20	12	5
3	7	4	20	12	5
4	7	4	17	12	12
5	5	8	17	12	9
6	5	10	17	12	7
7	5	13	17	10	7
8	5	10	17	10	8
9	3	10	8	10	7
10	3	8	0	11	7
11	2	0	0	11	7
12	2	0	0	12	3
13	2	0	0	10	0
14	2	0	0	12	0
15	2	0	0	12	0
16	2	8	4	12	0
17	2	17	9	11	0
18	2	17	12	10	4
19	2	17	12	8	5
20	2	17	13	8	5
21	1	15	15	10	4
22	1	15	12	10	4
23	1	15	11	12	4
24	0	15	12	12	4
25	2	15	15	12	4
26	4	10	16	10	3
27	4	10	18	8	3
28	4	10	17	5	3
29	4	10	17	5	3
30	2	10	17	5	6
31	1	-----	16	5	-----
Mean	3	9	12	10	4
Max.	7	17	20	12	12
Min.	0	0	0	5	0
A. F.	194	549	722	621	266

Area reported 1445 acres.
 Water used 2352 A. F.
 Per acre 1.62 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

ENTERPRISE CANAL					
Diverted from North Platte River					
DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	57	77	85	83	95
2	57	79	85	80	93
3	57	67	85	79	88
4	57	47	79	80	92
5	57	72	54	87	92
6	60	82	29	83	92
7	60	68	29	82	87
8	60	77	29	79	89
9	60	70	29	77	85
10	60	75	33	82	63
11	58	87	39	82	64
12	58	80	32	84	64
13	58	85	79	80	65
14	58	79	83	82	64
15	58	67	88	82	66
16	50	33	87	84	73
17	50	27	84	82	78
18	50	25	80	87	79
19	50	22	84	83	76
20	50	47	80	87	69
21	60	47	83	88	57
22	73	46	92	92	56
23	73	46	85	92	52
24	79	67	83	91	48
25	92	59	85	92	48
26	118	62	82	92	44
27	114	73	77	92	43
28	101	85	80	92	44
29	94	88	84	92	48
30	77	82	83	92	47
31	79	.....	83	89	.....
Mean	67	64	70	85	68
Max.	118	88	92	92	95
Min.	50	22	29	77	43
A. F.	4135	3810	4344	5254	4088

ENTERPRISE CANAL—SUMMARY IN ACRE-FEET

	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
From North Platte River.....	4135	3810	4344	5254	4088	21631
Morrill Drain.....	0	73	61	61	59	254
Stewarts Drain.....	0	49	71	12	0	132
Spotted Tail, Dry.....	0	0	0	0	0	0
Spotted Tail, Wet.....	383	446	587	369	397	2182
Tub Springs.....	1134	170	906	1112	276	3598
Total	5652	4548	5969	6808	4820	27797
Area reported.....	7848 acres.					
Water used	27797 A. F.					
Per acre	3.54 A. F.					

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	ENTERPRISE CANAL				
	Diverted from MAY	from Morrill JUNE	Drain JULY	Drain AUG.	SEPT.
1	0	0	1	1	1
2	0	0	1	1	1
3	0	0	1	1	1
4	0	0	1	1	1
5	0	1	1	1	1
6	0	1	1	1	1
7	0	1	1	1	1
8	0	0	1	1	1
9	0	0	1	1	1
10	0	0	1	1	1
11	0	0	1	1	1
12	0	0	1	1	1
13	0	1	1	1	1
14	0	0	1	1	1
15	0	2	1	1	1
16	0	3	1	1	1
17	0	2	1	1	1
18	0	2	1	1	1
19	0	2	1	1	1
20	0	2	1	1	1
21	0	2	1	1	1
22	0	2	1	1	1
23	0	2	1	1	1
24	0	2	1	1	1
25	0	2	1	1	1
26	0	2	1	1	1
27	0	2	1	1	1
28	0	2	1	1	1
29	0	2	1	1	1
30	0	2	1	1	1
31	0	-----	1	1	-----
Mean	0	1	1	1	1
Max.	0	2	1	1	1
Min.	0	0	1	1	1
A. F.	0	73	61	61	59

Water used 254 A. F.

DATE	ENTERPRISE CANAL				
	Diverted from MAY	from Morrill JUNE	Drain JULY	Drain AUG.	SEPT.
1	0	0	2	1	0
2	0	0	2	1	0
3	0	0	2	1	0
4	0	0	2	1	0
5	0	0	2	1	0
6	0	0	1	1	0
7	0	0	1	0	0
8	0	0	1	0	0
9	0	0	1	0	0
10	0	0	1	0	0
11	0	0	1	0	0
12	0	0	1	0	0
13	0	0	1	0	0
14	0	0	1	0	0
15	0	0	1	0	0
16	0	1	1	0	0
17	0	1	1	0	0
18	0	1	1	0	0
19	0	1	1	0	0
20	0	1	1	0	0
21	0	2	1	0	0
22	0	2	1	0	0
23	0	2	1	0	0
24	0	2	1	0	0
25	0	2	1	0	0
26	0	2	1	0	0
27	0	2	1	0	0
28	0	2	1	0	0
29	0	2	1	0	0
30	0	2	1	0	0
31	0	-----	1	0	-----
Mean	0	1	1	0.2	0
Max.	0	2	2	1.0	0
Min.	0	0	1	.0	0
A. F.	0	49	71	12.0	0

Water used 133 A. F.

DATE	ENTERPRISE CANAL				
	Diverted from MAY	from Spotted Tail JUNE	Wet JULY	Wet AUG.	SEPT.
1	5	8	7	6	6
2	5	8	7	6	6
3	5	8	7	6	6
4	5	8	7	6	6
5	5	8	7	6	6
6	5	8	7	6	6
7	5	8	7	6	6
8	5	8	7	6	6
9	5	8	7	6	6
10	5	8	7	6	6
11	6	8	7	6	7
12	6	8	7	6	7
13	6	8	7	6	7
14	6	8	7	6	7
15	6	8	7	6	7
16	6	7	6	6	7
17	6	7	6	6	7
18	6	7	6	6	7
19	6	7	6	6	7
20	6	7	6	6	7
21	7	7	6	6	7
22	7	7	6	6	7
23	7	7	6	6	7
24	7	7	6	6	7
25	7	7	6	6	7
26	8	7	6	6	7
27	8	7	6	6	7
28	8	7	6	6	7
29	8	7	6	6	7
30	8	7	6	6	7
31	8	-----	6	6	-----
Mean	6	7	6	6	6
Max.	8	8	7	6	7
Min.	5	7	6	6	6
A. F.	383	446	587	369	397

Water used 2182 A. F.

DATE	ENTERPRISE CANAL				
	Diverted from MAY	from Tub Springs JUNE	Wet JULY	Wet AUG.	SEPT.
10	20	24	20	20	15
11	10	0	24	20	15
12	14	0	24	20	15
13	14	0	0	20	14
14	14	0	0	8	0
15	19	0	0	20	20
16	19	0	0	20	10
17	19	0	0	20	9
18	19	0	0	20	0
19	19	0	4	20	0
20	19	0	18	20	0
21	19	0	10	14	0
22	19	0	9	13	5
23	19	0	13	20	0
24	19	0	11	20	0
25	20	0	20	18	0
26	20	0	20	18	0
27	20	0	20	18	0
28	20	0	20	18	0
29	20	0	20	18	0
30	20	0	20	18	0
31	20	0	20	18	0
Mean	18	3	14	11	4
Max.	20	22	24	20	20
Min.	10	0	0	8	0
A. F.	1134	170	906	1112	276

Water used 3598 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

FT. LARAMIE CANAL

DATE	Diverted from North Platte River in Wyoming											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	452	166	210	141	90	50	110	13	1400	244	1399	236
2	77	164	210	142	95	63	110	0	1398	172	1424	228
3	0	170	207	150	95	63	120	0	1395	223	1413	225
4	0	168	198	150	97	80	120	0	1185	225	1406	234
5	0	193	210	150	100	85	120	50	1120	225	1340	236
6	0	184	210	150	110	75	120	50	1195	210	1113	235
7	0	199	210	150	110	75	120	50	1310	210	1104	236
8	0	176	210	160	110	75	100	75	1285	466	1038	234
9	0	147	210	150	110	75	100	50	1252	814	950	224
10	0	173	210	160	110	75	110	50	476	888	946	214
11	0	176	205	165	92	83	120	61	93	888	845	228
12	0	136	210	165	100	90	120	75	100	830	415	236
13	0	159	210	165	100	90	110	72	110	830	0	255
14	0	180	210	170	100	90	110	72	110	830	0	255
15	206	158	210	168	75	75	110	90	110	830	83	255
16	200	175	210	170	75	75	110	116	110	720	70	235
17	200	172	190	147	92	75	100	120	180	306	50	219
18	192	185	190	150	100	75	0	120	180	200	256	242
19	190	162	190	145	100	90	0	456	200	210	291	205
20	192	148	190	136	100	90	0	531	181	235	697	217
21	196	165	180	50	100	90	0	774	180	250	1286	166
22	179	165	180	50	100	90	0	865	180	250	1440	135
23	140	165	180	75	100	111	0	990	180	572	1456	146
24	181	158	180	82	100	110	0	1170	180	816	1430	158
25	174	158	180	88	130	110	0	1255	230	811	1461	161
26	172	183	140	88	125	110	0	1290	240	648	1448	155
27	170	182	210	100	125	110	0	1326	239	799	1407	145
28	177	190	200	88	125	110	0	1326	237	1133	1284	160
29	169	190	187	100	.....	110	0	1340	237	1292	801	165
30	160	190	197	95	.....	110	0	1400	241	1301	261	130
31	152	.....	179	95	.....	110	.....	1400	.....	1368	196	.....
Mean	115	171	197	129	102	88	63	490	518	606	881	205
Max.	452	199	210	170	130	111	120	1400	1400	1368	1456	255
Min.	0	136	140	50	75	50	0	0	93	172	0	130
A. F.	7100	10190	12120	7920	5680	5390	3790	30120	30810	37280	54170	12240

Estimated 105000 acres irrigated including Goshen Irrigation District acreage.

Water used 216810 A. F.

Per acre 2.06 A. F.

FINCH CANAL

DATE	Diverted from Clear Creek					
	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	3	0	0	0	0
2	0	3	0	0	0	0
3	0	3	0	0	0	0
4	0	3	0	0	0	0
5	0	3	0	0	0	3
6	0	3	0	0	0	3
7	0	3	0	0	0	3
8	0	3	0	0	0	3
9	0	3	0	0	0	3
10	0	3	0	0	0	3
11	0	3	0	0	0	3
12	0	3	0	0	0	3
13	0	3	0	0	0	0
14	0	3	0	0	0	0
15	0	3	0	0	0	0
16	0	3	0	0	0	0
17	0	3	0	0	0	0
18	0	3	0	0	0	0
19	0	3	0	0	0	0
20	0	3	0	0	0	0
21	3	0	0	0	0	0
22	3	0	0	0	0	0
23	3	0	0	0	0	0
24	3	0	0	0	0	0
25	3	0	0	0	0	0
26	6	0	0	0	0	0
27	6	0	0	0	0	0
28	6	0	0	0	0	0
29	6	0	0	0	0	0
30	6	0	0	0	0	0
31	.....	0	.....	0	0	.....
Mean	1	2	0	0	0	1
Max.	6	3	0	0	0	3
Min.	0	0	0	0	0	0
A. F.	89	119	0	0	0	48

Area reported 100 acres.

Water used 256 A. F.

Per acre 2.56 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

GERING CANAL

DATE	Diverted from North Platte River				AUG.	SEPT.
	APR.	MAY	JUNE	JULY		
1	0	80	99	0	3	0
2	0	80	101	0	3	0
3	0	80	101	0	3	0
4	0	80	30	0	3	0
5	0	80	0	0	3	0
6	0	87	0	0	3	0
7	0	87	0	0	3	0
8	0	87	0	26	3	0
9	0	87	0	0	3	0
10	0	87	0	0	3	0
11	0	39	0	83	3	0
12	20	39	0	73	3	0
13	40	39	0	77	1	0
14	60	39	0	82	1	0
15	60	36	0	88	1	0
16	65	50	0	88	0	0
17	65	100	0	81	0	0
18	65	128	0	85	0	0
19	65	45	0	85	0	0
20	65	45	0	115	0	0
21	70	93	0	122	0	0
22	70	90	0	113	0	0
23	70	95	0	110	0	0
24	70	103	0	110	0	0
25	70	99	0	108	0	0
26	78	101	0	110	0	0
27	78	99	0	110	0	0
28	78	103	0	119	0	0
29	78	99	0	117	0	0
30	78	99	0	115	0	0
31	.....	99	.....	114	0	.....
Mean	41	80	11	69	1	0
Max.	78	128	101	119	3	0
Min.	0	36	0	0	0	0
A. F.	2469	4909	656	4227	77	0

Area reported 14187 acres.
Water used 12338 A. F.
Per acre 0.87 A. F.

GOTHENBURG DIVERSION

DATE	Diverted from Platte River					AUG.	SEPT.
	MAR.	APR.	MAY	JUNE	JULY		
1	153	142	348	16	131	0	117
2	153	148	313	13	83	0	111
3	153	154	323	13	55	0	167
4	153	156	324	79	45	0	160
5	153	154	299	116	30	0	135
6	153	154	297	83	42	0	111
7	153	154	302	69	38	0	93
8	153	144	271	80	65	0	81
9	153	156	285	63	83	0	75
10	153	153	299	25	72	13	230
11	150	121	309	14	83	20	135
12	150	107	291	14	78	20	160
13	150	121	279	12	67	20	145
14	150	147	232	24	64	20	170
15	150	150	200	125	55	30	135
16	150	154	207	146	29	5	150
17	150	154	221	176	57	12	135
18	150	180	199	277	55	21	145
19	150	207	197	297	35	40	160
20	150	200	187	310	12	93	170
21	145	221	167	348	0	45	130
22	145	221	148	320	0	50	155
23	145	256	130	348	0	70	210
24	145	264	112	330	0	93	221
25	145	271	104	337	0	87	210
26	156	285	116	334	0	78	215
27	156	306	110	325	13	62	221
28	150	334	86	235	13	57	238
29	147	334	63	200	13	40	256
30	117	327	45	180	6	129	171
31	154	.....	23	.....	3	142	.....
Mean	149	161	209	163	40	37	160
Max.	156	334	348	348	131	142	256
Min.	117	107	23	12	0	0	75
A. F.	9194	11653	12867	9737	2434	2255	9545

Water used 57685 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued
GOTHENBURG IRRIGATION CANAL

DATE	Diverted from Platte River					
	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	198	0	5	0	0	0
2	180	0	5	0	0	0
3	180	0	5	0	0	0
4	176	0	5	0	0	0
5	147	0	5	0	0	0
6	140	10	5	0	0	0
7	70	10	4	0	0	0
8	40	11	7	0	0	0
9	20	10	10	0	0	0
10	20	10	4	0	6	0
11	20	17	6	0	5	0
12	20	3	0	0	6	0
13	20	0	0	0	8	0
14	20	0	0	0	6	0
15	18	0	0	0	4	0
16	22	30	0	0	6	0
17	11	50	0	0	3	0
18	6	116	0	0	6	0
19	6	130	0	0	9	0
20	12	178	0	0	8	0
21	12	194	0	0	10	0
22	18	154	0	0	18	0
23	0	200	0	0	25	0
24	0	200	0	0	28	0
25	6	187	0	0	34	0
26	4	156	0	0	2	0
27	4	147	0	0	4	0
28	4	15	0	0	5	0
29	4	15	0	0	23	0
30	4	12	0	0	0	0
31	0	.....	0	0	.....	0
Mean	44	61	2	0	7	0
Max.	198	200	10	0	34	0
Min.	0	0	0	0	0	0
A. F.	2741	3680	121	0	428	0

Area reported 17820 acres.
 Water used 6970 A. F.
 Per acre 0.39 A. F.

DATE	GRAF CANAL				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	3	0	5	20
2	0	3	0	25	20
3	0	3	0	25	20
4	0	3	0	25	23
5	0	3	0	22	33
6	0	7	0	17	30
7	0	17	2	23	31
8	0	16	0	21	31
9	0	15	2	20	22
10	0	3	0	7	20
11	10	1	10	15	30
12	10	0	7	0	31
13	10	0	10	0	0
14	10	0	10	0	0
15	10	0	11	15	0
16	12	1	9	21	0
17	12	1	17	24	0
18	12	26	18	20	12
19	12	37	18	14	10
20	20	26	16	16	1
21	40	0	24	17	1
22	40	0	28	12	1
23	30	0	27	22	4
24	25	0	27	23	4
25	22	0	27	21	4
26	14	0	20	21	4
27	5	0	24	19	4
28	5	0	25	19	14
29	5	0	22	17	17
30	3	0	26	17	7
31	3	.....	25	21	.....
Mean	10	5	13	17	13
Max.	20	37	27	25	33
Min.	0	0	0	0	0
A. F.	615	327	803	1039	781

Area reported 2180 acres.
 Water used 3565 A. F.
 Per acre 1.63 A. F.

DATE	HANNAH CANAL				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	1	0	0	0
7	0	2	0	0	0
8	0	2	0	0	0
9	0	2	0	0	0
10	0	2	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	1	0	0	0
17	0	2	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	.....	0	0	.....
Mean	0	0.3	0	0	0
Max.	0	2.0	0	0	0
Min.	0	.0	0	0	0
A. F.	0	24.0	0	0	0

Area reported 206 acres.
 Water used 24 A. F.
 Per acre 0.11 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued
INTERSTATE CANAL

DATE	Diverted from North Platte River in Wyoming											
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	907	0	0	0	0	0	0	826	2045	0	439	0
2	877	0	0	0	0	0	0	871	1960	0	732	0
3	849	0	0	0	0	0	0	898	1827	0	1027	0
4	875	0	0	0	0	0	0	785	800	0	1318	0
5	902	0	0	0	0	0	0	369	179	0	1600	0
6	900	0	0	0	0	0	0	332	652	0	1790	0
7	900	0	0	0	0	0	0	197	1018	0	1810	0
8	902	0	0	0	0	0	0	229	1234	245	1949	0
9	902	0	0	0	0	0	0	242	1254	658	2038	0
10	902	0	0	0	0	0	0	214	1172	910	2061	0
11	897	0	0	0	0	0	0	208	1178	1123	1988	0
12	895	0	0	0	0	0	0	228	1152	1475	1886	0
13	900	0	0	0	0	0	0	190	648	1724	1859	0
14	887	0	0	0	0	0	0	167	140	1734	1812	0
15	522	0	0	0	0	0	0	177	0	1724	1043	0
16	25	0	0	0	0	0	0	100	0	1695	675	0
17	0	0	0	0	0	0	0	0	0	1441	153	0
18	0	0	0	0	0	0	310	0	0	1209	0	0
19	0	0	0	0	0	0	460	0	0	598	0	0
20	0	0	0	0	0	0	517	0	0	93	0	0
21	0	0	0	0	0	0	611	25	0	0	0	0
22	0	0	0	0	0	0	719	500	0	0	0	0
23	0	0	0	0	0	0	748	675	0	0	0	0
24	0	0	0	0	0	0	748	930	0	0	0	0
25	0	0	0	0	0	0	720	1150	0	0	0	0
26	0	0	0	0	0	0	748	1350	0	0	0	0
27	0	0	0	0	0	0	755	1602	0	0	0	0
28	0	0	0	0	0	0	745	1846	0	0	0	0
29	0	0	0	0	.....	0	745	1962	0	0	0	0
30	0	0	0	0	.....	0	755	1992	0	0	0	0
31	0	.....	0	0	.....	0	.....	2028	.....	0	0	.....
Mean	421	0	0	0	0	0	286	648	509	472	840	0
Max.	907	0	0	0	0	0	755	2028	2045	1734	2061	0
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A. F.	25870	0	0	0	0	0	17020	39850	30270	29020	51650	0

Estimated 115000 acres irrigated including North Platte Colonization Company acreage.
 Water used 193680 A. F.
 Per acre 1.68 A. F.

KEARNEY CANAL
 Diverted from Platte River, Elm Creek,
 Buffalo Creek

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	96	4	0	0	0
2	96	3	5	0	0
3	96	1	5	0	0
4	96	2	0	0	0
5	96	2	0	0	0
6	90	2	2	0	0
7	90	2	5	0	0
8	90	2	17	0	0
9	90	2	5	0	0
10	90	2	2	0	0
11	80	2	0	0	0
12	70	2	2	0	0
13	60	2	2	0	0
14	50	2	0	0	0
15	40	2	2	0	0
16	25	2	4	0	0
17	8	7	3	0	0
18	8	12	2	0	0
19	8	17	0	0	0
20	17	22	0	0	0
21	17	35	0	0	0
22	16	44	0	0	0
23	7	30	0	0	0
24	11	30	0	0	0
25	4	23	0	0	0
26	9	9	0	0	0
27	4	10	0	0	0
28	4	22	0	0	0
29	4	10	0	0	0
30	4	9	0	0	0
31	4	.....	0	0	.....
Mean	44	10	1	0	0
Max.	96	44	17	0	0
Min.	4	1	0	0	0
A. F.	2737	623	111	0	0

Area reported 6360 acres.
 Water used 3471 A. F.
 Per acre 0.55 A. F.

KEITH-LINCOLN COUNTY CANAL
 Diverted from North Platte River

DATE	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	81	0	64	0	0
2	0	91	0	55	0	0
3	0	99	0	63	0	0
4	0	72	0	56	0	0
5	0	58	0	80	0	0
6	0	36	0	22	0	0
7	0	66	35	0	0	0
8	0	61	54	0	0	0
9	20	59	69	0	0	0
10	40	63	56	0	0	0
11	60	70	55	0	0	0
12	62	70	20	0	0	0
13	65	88	0	0	0	12
14	65	100	0	0	0	0
15	65	106	0	0	0	0
16	61	93	0	0	0	0
17	58	82	52	0	0	25
18	61	65	58	0	0	57
19	62	70	68	0	0	57
20	61	70	61	0	0	57
21	60	72	60	0	0	48
22	55	66	65	0	0	39
23	60	74	61	0	0	39
24	64	69	64	0	0	39
25	68	58	64	0	0	39
26	74	20	58	0	0	55
27	68	10	58	0	0	50
28	67	0	58	0	0	50
29	69	15	58	0	0	50
30	76	25	57	0	0	50
31	.....	30	.....	0	0	.....
Mean	43	63	37	10	0	33
Max.	76	106	68	80	0	55
Min.	0	0	0	0	0	0
A. F.	2660	3846	2243	674	0	1323

Area reported 6350 acres.
 Water used 10746 A. F.
 Per acre 1.68 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	KENT-BURKE CANAL					KEYSTONE CANAL				
	Diverted from Pawnee Creek		Creek			Diverted from White Tail		Creek		
	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	1	2	2	1	*	*	6	0	5	5
2	1	1	2	1	.....	.....	6	0	5	5
3	1	0	2	1	.....	.....	6	0	5	5
4	1	0	2	1	.....	.....	6	0	5	5
5	1	0	2	1	.....	.....	6	0	5	5
6	1	0	1	2	.....	.....	6	3	5	9
7	1	0	1	2	.....	.....	6	3	5	9
8	1	2	1	2	.....	.....	6	3	5	3
9	1	2	1	2	.....	.....	6	3	5	3
10	1	2	1	2	.....	.....	6	3	5	3
11	1	2	1	1	.....	.....	8	0	7	2
12	1	1	1	1	.....	.....	8	0	7	0
13	1	1	0	1	.....	.....	8	0	7	0
14	1	1	0	1	.....	.....	0	0	7	0
15	1	1	0	1	.....	.....	0	0	7	0
16	1	2	0	2	.....	.....	0	0	5	0
17	1	2	0	2	.....	.....	0	0	0	0
18	2	2	0	2	.....	.....	0	0	0	0
19	2	2	1	0	.....	.....	0	0	3	0
20	2	2	1	0	.....	.....	0	0	5	0
21	2	1	1	0	.....	.....	0	0	4	0
22	2	1	1	0	.....	.....	0	0	4	0
23	2	1	1	0	.....	.....	4	0	4	0
24	2	1	1	0	.....	.....	4	3	4	0
25	2	1	1	0	.....	.....	0	3	4	0
26	2	1	1	0	.....	.....	0	5	4	0
27	2	1	1	0	.....	.....	0	5	4	0
28	2	1	1	0	.....	.....	0	5	4	0
29	2	1	1	0	.....	.....	0	5	4	0
30	2	1	1	0	.....	.....	0	5	4	0
31	2	.....	1	0	.....	.....	.....	5	4	.....
Mean	1	1	1	1	.....	.....	3	2	3	2
Max.	2	2	2	2	.....	.....	8	5	7	9
Min.	1	0	0	0	.....	.....	0	0	0	0
A. F.	89	69	60	52	.....	.....	182	101	202	107

Area reported 560 acres.
Water used 270 A. F.
Per acre 0.48 A. F.

Area reported 2475 acres.
Water used 592 A. F.
Per acre 0.42 A. F.

KIMBALL CANAL

Total diversion from Oliver Reservoir on Lodgepole Creek

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	41	22	34	0
2	0	42	20	35	0
3	0	43	16	31	0
4	0	32	16	34	0
5	0	27	18	38	0
6	0	0	20	37	0
7	0	0	15	42	0
8	0	0	9	8	0
9	0	0	27	8	0
10	0	0	36	8	0
11	0	0	45	0	0
12	0	0	38	0	0
13	0	0	35	0	0
14	0	0	36	0	0
15	0	0	39	0	0
16	0	0	41	0	0
17	0	15	41	0	0
18	0	17	40	0	0
19	0	20	42	0	0
20	0	15	40	41	0
21	0	12	40	46	0
22	0	12	38	46	55
23	0	12	38	49	55
24	0	17	31	43	55
25	0	35	26	36	55
26	0	35	27	31	55
27	0	42	24	23	0
28	0	44	17	8	0
29	0	48	17	0	0
30	0	53	12	0	0
31	0	.....	33	0	.....
Mean	0	18	29	19	0
Max.	0	53	45	49	55
Min.	0	0	9	0	0
A. F.	0	1114	1783	1186	545

Area reported 6587 acres.
Water used 4628 A. F.
Per acre 0.69 A. F.

* No record.

KIMBALL IRRIGATION DISTRICT	
Water disposal in acre-feet	
Oliver Reservoir storage	
October 1st, 1933	1170
Maximum storage	
May 9, 1934	4370
Total storage	4370
Inflow during irrigation season	1963
Total supply	6333
Total diversion for irrigation	4628
Estimated evaporation and seepage loss in reservoir	1600
Unaccounted for	105
Total	6333

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	KINNEY CANAL Diverted from Lodgepole Creek					LAST CHANCE CANAL Diverted from Pumpkinseed Creek				
	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	2	1	3	1	0	0	0	6	4
2	0	2	1	3	1	0	0	0	6	4
3	0	2	1	3	1	0	0	0	7	4
4	0	2	1	3	1	0	0	0	6	4
5	0	2	1	3	1	0	1	0	7	4
6	0	2	1	3	1	0	0	0	7	4
7	0	2	1	3	1	0	4	0	7	4
8	0	2	1	1	1	0	6	0	7	4
9	0	2	1	1	1	0	7	0	6	4
10	0	2	1	1	1	0	8	0	7	4
11	0	1	1	1	1	0	3	0	3	4
12	0	1	1	1	1	0	0	0	0	2
13	0	1	1	1	1	0	0	0	0	0
14	0	1	1	0	1	0	0	0	2	0
15	0	1	1	0	1	0	0	0	4	0
16	0	1	1	0	1	0	2	1	6	0
17	0	1	1	1	1	0	2	2	4	0
18	0	1	1	1	1	0	2	7	6	0
19	0	2	1	1	1	0	2	4	6	2
20	0	2	1	1	1	0	2	3	6	2
21	2	2	2	1	0	0	3	3	6	2
22	2	2	2	1	0	0	0	3	6	2
23	2	2	2	1	0	0	0	4	6	2
24	2	2	1	1	0	0	0	7	7	2
25	2	2	1	1	0	0	0	5	2	2
26	1	2	1	1	0	0	0	4	6	0
27	1	2	1	1	0	0	0	4	4	0
28	1	2	0	1	0	0	0	3	4	0
29	1	2	0	1	0	0	0	4	4	0
30	1	2	0	1	0	0	0	6	4	0
31	1	.....	0	1	.....	0	.....	5	4	.....
Mean	0.5	2	1	1	0.6	0	1	2	3	2
Max.	2.0	2	2	3	1.0	0	8	7	7	4
Min.	.0	1	0	0	.0	0	0	0	0	0
A. F.	32.0	103	59	83	40.0	0	83	129	309	119

Area reported 254 acres.
Water used 227 A. F.
Per acre 0.90 A. F.

Area reported 430 acres.
Water used 640 A. F.
Per acre 1.49 A. F.

OLIVER RESERVOIR—KIMBALL IRRIGATION DISTRICT
Lodgepole Creek, Storage in acre-feet—1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1920	.....	.....	.....	.....	.....	.....	.....	.....	230
2
3	3395	3800	.....	.....	.....	.....	.....	.....
4	560	.....
5	4370	.....	.....	.....	.....
6	2905	.....	.....	.....	.....	.....	.....	.....	0
7	1170	.....	.....	.....	.....	.....	4140	.....	.....	2400	.....	.....
8	400	430
9	4390	3910	.....	.....	.....
10	3530	.....	.....	.....	.....	.....	.....	.....
11
12	4360	.....	.....	.....	.....
13	3050	.....	.....	.....	.....	.....	.....	.....	.....
14	4140	.....	.....	.....	.....	.....
15	1710	.....	.....
16	610
17	3490	.....	.....	.....	3490	.....	.....	.....
18
19	3180	.....	.....	.....	4360	.....	.....	730	.....
20	3120	.....	.....	4200	.....	.....	.....	.....	.....
21	1220	.....	700
22	3120	.....	.....	.....	.....	.....	.....	.....	.....
23	3540	.....	.....	.....
24	3500	4100	.....	.....	.....	.....	.....	.....
25
26	4125	.....	4360	.....	.....	0	.....
27
28	4370	.....	.....	1000	.....	.....
29
30	3260	.....	.....	.....	.....	.....	.....	.....	150
31

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

LISCO CANAL						LONERGAN CANAL (EAST)				
Diverted from North Platte River and Cold Water Creek						Diverted from Lonerган Creek				
DATE	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	34	21	0	11	17	3	7	4	5	4
2	24	21	0	10	16	3	8	3	4	4
3	0	21	0	8	27	3	7	4	4	4
4	0	21	0	5	25	3	8	4	3	4
5	0	21	0	6	20	3	8	1	6	4
6	0	21	0	12	26	3	8	1	6	3
7	0	21	0	15	30	3	5	1	6	3
8	0	21	0	15	30	3	8	1	6	3
9	0	22	0	21	33	3	8	1	5	3
10	0	26	0	24	37	3	6	1	6	2
11	0	16	0	8	12	5	8	2	7	1
12	0	0	0	0	0	5	8	2	7	1
13	0	0	0	0	0	5	8	1	6	1
14	0	0	0	0	0	5	8	3	3	1
15	0	0	0	12	0	5	0	3	2	1
16	14	13	0	20	0	5	0	3	4	3
17	16	24	17	20	0	5	0	4	2	3
18	17	28	15	12	8	5	0	4	2	3
19	14	27	9	10	16	5	0	5	1	2
20	11	21	18	13	19	5	0	4	1	2
21	9	20	12	12	20	8	0	1	1	2
22	14	0	10	18	27	8	0	5	3	2
23	16	0	16	16	34	8	2	2	3	2
24	17	0	3	16	37	8	3	3	3	2
25	17	0	3	20	37	8	3	3	3	2
26	17	0	11	22	33	8	2	3	3	1
27	17	0	19	20	37	7	3	4	3	1
28	17	0	18	19	40	6	3	5	3	3
29	17	0	16	17	37	6	3	5	3	3
30	17	0	13	19	33	7	4	5	4	3
31	17	.....	10	18	.....	7	.....	5	4	.....
Mean	13	12	6	13	22	5	4	3	4	2
Max.	34	28	19	24	40	8	8	5	7	4
Min.	4	0	0	0	0	3	0	1	1	1
A. F.	605	724	377	831	1291	319	254	184	234	145

Area reported 2636 acres.
Water used 3828 A. F.
Per acre 1.45 A. F.

Area reported 707 acres.
Water used 1136 A. F.
Per acre 1.60 A. F.

LYONS CANAL					
Diverted from North Platte River					
DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0
2	0	0	0	0	1
3	0	0	0	0	3
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	5
7	0	9	0	0	17
8	0	18	0	0	15
9	0	11	0	0	23
10	0	11	0	7	15
11	5	4	0	1	6
12	5	0	0	0	0
13	5	0	0	0	0
14	5	0	0	1	0
15	5	0	0	18	0
16	7	8	5	17	0
17	9	17	11	18	0
18	11	12	15	20	0
19	11	10	15	17	9
20	11	3	5	5	18
21	0	0	7	9	19
22	0	0	9	17	18
23	0	0	11	17	12
24	0	0	15	10	12
25	0	0	15	15	12
26	0	0	13	11	15
27	0	0	2	13	22
28	0	0	4	8	16
29	0	0	5	0	19
30	0	0	2	0	5
31	0	.....	2	0	.....
Mean	2	3	4	6	8
Max.	11	18	15	18	23
Min.	0	0	0	0	0
A. F.	147	204	240	405	520

Area reported 2264 acres.
Water used 1516 A. F.
Per acre 0.67 A. F.
* No record.

McCARTHY CANAL					
Diverted from White Tail Creek					
DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	*	2	1	1	1
2	2	1	1	1
3	2	1	1	1
4	2	1	1	1
5	2	1	1	1
6	4	1	1	1
7	4	1	1	1
8	4	1	1	1
9	4	1	1	1
10	4	0	1	1
11	1	0	2	1
12	1	0	2	1
13	1	0	2	1
14	0	0	2	1
15	0	0	2	1
16	1	0	1	1
17	1	0	0	1
18	1	0	1	1
19	1	0	1	1
20	1	0	1	1
21	1	0	2	1
22	1	0	2	1
23	1	0	2	1
24	3	1	2	1
25	3	1	2	1
26	2	1	2	1
27	1	1	2	1
28	1	1	2	1
29	1	1	2	1
30	1	1	2	1
31	1	2	.....
Mean	2	0.5	1	1
Max.	4	1.0	2	1
Min.	0	.0	0	1
A. F.	105	31.0	91	59

Area reported 70 acres.
Water used 286 A. F.
Per acre 4.10 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

MEEKER CANAL						MEREDITH-PAMMER CANAL					
DATE	Diverted from Republican River					SEPT.	Diverted from Pumpkinseed Creek				
	MAY	JUNE	JULY	AUG.			MAY	JUNE	JULY	AUG.	SEPT.
1	19	21	41	28	28	1	1	0	9	1	
2	19	19	41	26	4	1	1	0	9	1	
3	23	17	42	24	10	1	1	0	9	1	
4	27	19	36	23	10	1	1	0	10	2	
5	30	18	39	22	12	1	2	0	10	2	
6	30	17	38	23	15	2	7	0	9	2	
7	28	19	32	20	20	2	8	0	9	2	
8	34	18	33	20	23	2	9	0	9	2	
9	32	27	35	20	26	2	9	0	10	2	
10	30	28	44	21	36	2	9	0	10	2	
11	31	47	36	21	22	4	2	0	0	1	
12	36	40	27	22	13	4	0	0	0	0	
13	35	30	41	24	11	4	0	0	0	0	
14	39	25	42	25	16	4	0	0	3	0	
15	36	15	41	20	17	4	0	0	7	0	
16	29	10	38	43	18	4	2	6	8	0	
17	27	7	38	37	20	4	2	8	8	0	
18	23	6	36	17	19	4	2	9	8	0	
19	21	15	32	34	19	4	2	8	8	1	
20	18	21	29	32	22	4	2	7	8	2	
21	32	21	27	22	25	7	1	8	8	2	
22	40	21	26	23	25	7	1	8	9	2	
23	38	21	29	29	25	8	2	8	9	2	
24	34	34	28	28	25	3	2	8	9	2	
25	30	4	29	28	25	5	2	7	7	2	
26	30	8	31	26	25	5	2	8	7	3	
27	27	22	40	30	25	10	3	8	7	4	
28	25	17	37	34	25	1	1	8	7	4	
29	28	30	34	34	25	1	1	8	7	4	
30	30	35	30	26	25	1	1	8	7	2	
31	25	.....	31	26	.....	1	.....	8	8	.....
Mean	29	21	35	26	20	3	3	4	7	1	
Max.	40	47	44	43	36	10	9	9	10	4	
Min.	18	4	26	17	4	1	0	0	0	0	
A. F.	1797	1253	2150	1603	1212	196	151	248	454	95	

Area reported 2870 acres.
Water used 8015 A. F.
Per acre 2.17 A. F.

Area reported 981 acres.
Water used 1144 A. F.
Per acre 1.17 A. F.

MIDLAND-OVERLAND CANAL

DATE	Diverted from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.
1	7	8	0	0	8
2	7	0	0	0	9
3	7	0	0	0	9
4	7	0	0	0	9
5	7	0	0	0	9
6	7	0	0	0	9
7	7	13	0	0	9
8	7	13	0	0	4
9	7	10	0	0	11
10	7	9	0	0	16
11	10	8	0	0	8
12	10	0	0	0	0
13	10	0	0	0	0
14	10	0	0	13	0
15	10	0	0	6	0
16	12	0	5	0	0
17	12	0	8	0	0
18	12	4	4	0	0
19	12	4	4	0	0
20	12	4	0	0	0
21	13	2	0	0	0
22	13	0	0	0	0
23	13	0	0	0	8
24	13	0	0	0	16
25	13	0	0	0	13
26	0	0	0	0	13
27	0	0	14	0	13
28	0	0	0	0	13
29	0	0	0	0	8
30	0	0	0	4	16
31	0	.....	0	6	.....
Mean	10	2	1	1	6
Max.	13	13	8	13	16
Min.	0	0	0	0	0
A. F.	585	131	71	57	399

Area reported 2066 acres.
Water used 1243 A. F.
Per acre 0.60 A. F.

MINATARE CANAL

DATE	Diverted from North Platte River				
	OCT.	MAY	JUNE	JULY	AUG.	SEPT.
20	30	103	48	51	53
20	30	92	53	50	55
20	30	92	69	46	55
23	30	92	64	51	57
26	30	63	93	61	56
25	40	73	91	58	60
25	40	58	88	58	65
25	40	59	73	56	74
25	40	58	71	54	38
25	40	43	45	57	31
25	60	54	51	53	24
0	60	65	71	56	62
0	60	65	68	57	29
0	60	60	67	55	38
0	60	60	61	53	38
0	61	60	60	56	36
0	61	60	59	58	46
0	65	46	50	54	72
0	70	43	44	51	77
0	76	24	40	48	69
0	86	22	46	47	66
0	84	20	56	45	67
0	83	22	60	57	41
0	91	18	69	60	47
0	96	18	88	62	51
0	106	62	90	56	46
0	108	83	83	56	46
0	105	49	64	48	56
0	106	40	61	49	39
0	104	45	63	52	38
0	103	.....	61	46	.....
8	66	54	65	53	51
26	108	103	93	62	77
0	30	18	40	45	24
514	4076	3271	3981	3294	3039

Area reported 9542 acres.
Water used 18175 A. F.
Per acre 1.91 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	MITCHELL CANAL Diverted from North Platte River Adjudicated in Wyoming					MUTUAL CANAL Diverted from Pumpkinseed Creek					
	APR.	MAY	JUNE	JULY	AUG.	SEPT.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	103	182	109	110	91	10	0	6	2	5
2	0	105	184	106	109	93	10	0	6	2	5
3	0	103	182	101	109	90	10	0	6	2	5
4	0	103	182	105	105	90	10	0	6	2	5
5	0	102	184	101	105	90	10	0	6	2	5
6	0	101	192	111	105	91	12	0	6	2	5
7	0	106	192	95	103	95	12	2	6	2	5
8	0	108	200	102	105	93	12	5	6	2	5
9	0	94	197	105	110	97	12	6	6	2	5
10	0	93	197	110	104	98	12	6	6	2	5
11	0	86	197	108	99	98	9	6	3	2	6
12	92	80	198	108	100	98	9	1	0	2	6
13	88	73	191	104	104	98	9	0	0	2	6
14	83	67	184	107	104	97	9	0	0	2	6
15	80	68	167	106	99	98	9	0	0	2	6
16	82	68	168	107	100	97	7	2	0	2	6
17	80	72	153	110	103	94	7	6	3	2	6
18	78	134	132	109	108	99	7	6	6	2	6
19	73	161	113	106	135	97	7	6	6	2	6
20	76	165	116	89	118	97	7	6	6	2	6
21	76	173	113	14	102	95	7	6	6	0	4
22	70	175	109	0	106	99	7	6	6	0	4
23	73	175	100	0	110	98	7	6	6	0	4
24	81	176	96	0	109	97	7	6	6	0	4
25	83	177	106	0	103	100	3	6	6	0	4
26	83	178	103	0	100	93	0	6	6	0	2
27	85	175	105	0	95	90	0	6	6	0	0
28	100	176	105	66	90	90	0	6	6	0	0
29	106	176	105	104	98	90	0	6	6	0	0
30	105	180	104	108	93	91	0	6	6	0	0
31	.....	179	.....	110	96	.....	0	.....	6	0	.....
Mean	53	127	152	81	104	95	7	4	5	1	4
Max.	106	180	200	110	135	100	12	6	6	2	6
Min.	0	67	96	0	90	90	0	0	0	0	0
A. F.	3162	7799	9039	4961	6420	5641	438	222	297	79	262

Area reported 13387 acres.

Water used 37022 A. F.

Per acre 2.76 A. F.

Area reported 455 acres.

Water used 1308 A. F.

Per acre 2.08 A. F.

NINE MILE CANAL

DATE	Diverted from North Platte River and Nine Mile Drain					
	OCT.	MAY	JUNE	JULY	AUG.	SEPT.
1	6	0	10	10	0	44
2	6	0	4	10	6	42
3	6	0	27	0	1	55
4	4	0	19	0	6	55
5	2	0	18	0	7	47
6	2	0	52	4	4	47
7	2	0	47	4	2	51
8	4	0	53	4	2	27
9	4	0	11	4	2	43
10	4	0	0	4	7	51
11	4	0	0	4	1	45
12	4	0	0	4	1	30
13	4	0	0	4	22	15
14	4	0	0	4	2	6
15	4	0	0	4	21	7
16	6	0	15	8	21	6
17	6	1	53	6	19	6
18	6	1	58	14	18	19
19	6	10	50	15	24	35
20	6	12	53	38	22	37
21	6	14	35	30	25	42
22	6	8	2	30	21	45
23	6	10	1	30	21	44
24	6	12	1	42	19	45
25	6	7	6	40	19	48
26	0	0	40	38	35	50
27	0	0	16	44	35	47
28	0	0	5	33	27	44
29	0	0	10	20	37	46
30	0	0	10	20	38	49
31	0	0	.....	7	35	.....
Mean	4	3	19	15	16	37
Max.	6	14	58	44	38	55
Min.	0	0	0	0	0	6
A. F.	238	149	1182	942	988	2238

Area reported 5883 acres.

Water used 5737 A. F.

Per acre 0.97 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	NINE MILE CANAL					River	NINE MILE CANAL				
	Diverted from OCT.	from MAY	North JUNE	Platte JULY	SEPT.		Diverted from MAY	North JUNE	Platte JULY	Mile Drain AUG.	SEPT.
1	6	0	10	0	0	22	0	0	10	0	22
2	6	0	2	0	0	22	0	2	10	6	20
3	6	0	25	0	0	35	0	2	0	1	20
4	4	0	17	0	0	35	0	2	0	6	20
5	2	0	16	0	0	33	0	2	0	7	13
6	2	0	50	1	0	31	0	2	3	4	16
7	2	0	45	1	0	29	0	2	3	2	22
8	4	0	45	0	0	27	0	8	4	2	0
9	4	0	10	0	0	43	0	1	4	2	0
10	4	0	0	0	0	51	0	0	4	7	0
11	4	0	0	0	0	45	0	0	4	1	0
12	4	0	0	0	0	30	0	0	4	1	0
13	4	0	0	0	0	3	0	0	4	22	12
14	4	0	0	0	0	0	0	0	4	2	6
15	4	0	0	0	0	0	0	0	4	21	7
16	6	0	10	4	0	0	0	5	4	21	6
17	6	1	43	4	10	0	0	10	2	9	6
18	6	1	35	4	12	13	0	23	10	6	6
19	6	10	27	5	14	26	0	23	10	10	9
20	6	12	30	5	14	29	0	23	33	8	9
21	6	14	23	4	15	42	0	12	26	10	0
22	6	8	0	0	14	45	0	2	30	7	0
23	6	10	0	0	16	44	0	1	30	5	0
24	6	12	0	0	17	45	0	1	42	2	0
25	6	7	0	0	17	48	0	6	40	2	0
26	0	0	27	0	19	50	0	13	38	14	0
27	0	0	10	0	22	47	0	6	44	13	0
28	0	0	0	0	14	44	0	5	33	13	0
29	0	0	0	0	20	46	0	10	20	17	0
30	0	0	0	0	21	49	0	10	20	17	0
31	0	0	.....	0	17	.....	0	.....	7	18	.....
Mean	4	3	14	1	8	31	0	5	14	8	6
Max.	6	14	50	5	22	51	0	23	44	21	22
Min.	0	0	0	0	0	0	0	0	0	0	0
A. F.	238	149	843	55	480	1853	0	339	887	508	385

Water used 3380 A. F.

Water used 2119 A. F.

NORTH PLATTE CANAL
Diverted from North Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	185	91	176	0	0
2	185	120	160	0	0
3	185	145	153	0	0
4	185	144	95	6	0
5	185	161	115	6	0
6	169	134	196	0	0
7	169	89	172	5	0
8	169	127	154	0	0
9	169	146	136	0	4
10	169	146	102	0	47
11	165	168	108	0	31
12	165	149	87	0	33
13	165	126	68	0	48
14	165	161	43	0	36
15	165	176	35	0	38
16	163	181	21	0	70
17	163	183	41	11	53
18	156	180	51	0	66
19	150	165	34	0	67
20	135	163	5	0	82
21	117	164	0	0	52
22	106	159	0	0	89
23	78	152	0	0	80
24	59	154	0	0	94
25	66	150	0	0	95
26	74	162	0	0	98
27	55	179	0	0	96
28	87	173	0	0	97
29	145	166	0	0	99
30	110	182	0	0	89
31	71	.....	0	0	.....
Mean	140	153	63	0.5	48
Max.	185	183	196	11.0	99
Min.	55	89	0	0	0
A. F.	8588	9116	3862	32.0	2904

Area reported 14009 acres.
Water used 24502 A. F.
Per acre 1.75 A. F.

NORTHPORTH CANAL
Diverted from North Platte River and
Drains Red Willow Rating Flume

MAY	JUNE	JULY	AUG.	SEPT.
0	157	67	124	0
0	178	62	158	0
0	202	54	146	0
0	195	65	133	0
0	192	54	122	0
0	213	49	109	0
0	218	47	85	0
0	217	54	76	0
0	199	66	0	0
0	199	85	0	0
0	189	140	0	0
0	199	122	0	0
0	206	77	0	0
0	155	58	0	0
0	117	56	0	0
0	102	97	0	0
0	90	120	0	0
0	91	110	0	0
0	82	110	0	0
0	82	98	0	0
0	68	81	0	0
0	72	112	0	0
0	102	114	0	0
0	95	111	0	0
29	94	86	0	0
64	97	122	0	0
48	91	122	0	0
58	81	104	0	0
92	64	115	0	0
124	60	98	0	0
136	.....	98	0	.....
18	136	89	31	0
136	218	140	158	0
0	60	47	0	0
1093	8146	5462	1890	0

Area reported 16131 acres.
Water used 16591 A. F.
Per acre 1.02 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

NORTH RIVER CANAL

Diverted from North Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	30	0	0	0	15
2	30	0	0	0	15
3	30	0	0	0	17
4	30	0	0	0	20
5	30	0	0	0	19
6	15	0	0	3	17
7	15	0	0	9	15
8	15	0	0	9	14
9	15	0	0	10	18
10	15	10	0	11	18
11	0	22	0	12	10
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	9	0
15	0	0	0	18	0
16	0	0	5	34	0
17	0	0	10	12	0
18	19	0	10	13	7
19	15	0	14	13	15
20	31	0	10	13	24
21	48	0	7	13	24
22	38	0	7	18	28
23	28	0	13	15	30
24	18	0	0	15	30
25	0	0	0	19	30
26	0	0	13	18	30
27	0	0	17	18	30
28	0	0	15	16	30
29	0	0	13	12	28
30	0	0	5	18	29
31	0	.....	2	13	.....
Mean	13	1	5	11	17
Max.	48	22	17	34	30
Min.	0	0	0	0	0
A. F.	837	63	280	676	1017

Area reported 4972 acres.
Water used 2873 A. F.
Per acre 0.58 A. F.

ORCHARD-ALFALFA CANAL

Diverted from Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	30	0	0	0	0
2	30	0	0	0	0
3	30	0	0	0	0
4	32	0	0	0	0
5	35	0	0	0	0
6	41	0	0	0	0
7	50	0	0	0	0
8	49	0	0	0	0
9	35	0	0	0	0
10	31	0	0	0	0
11	31	0	0	0	0
12	24	0	0	0	0
13	20	0	0	0	0
14	10	0	0	0	20
15	0	0	0	0	20
16	0	25	0	0	10
17	0	52	0	0	10
18	0	41	0	0	10
19	0	52	0	0	10
20	0	73	0	0	10
21	0	76	0	0	5
22	0	58	0	0	1
23	0	88	0	0	1
24	0	65	0	0	30
25	0	58	0	0	38
26	0	7	0	0	30
27	0	0	0	0	20
28	0	0	0	0	10
29	0	0	0	0	3
30	0	0	0	0	0
31	0	.....	0	0	.....
Mean	13	19	0	0	7
Max.	50	88	0	0	30
Min.	0	0	0	0	0
A. F.	829	1180	0	0	452

Area reported 5750 acres.
Water used 2461 A. F.
Per acre 0.43 A. F.

OSHKOSH CANAL

Diverted from North Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	2	0	0	13
8	0	4	0	0	14
9	0	1	0	0	19
10	0	1	0	0	20
11	0	0	0	0	7
12	0	0	0	0	1
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	7	0
16	0	0	0	8	0
17	0	0	14	8	0
18	0	0	21	17	0
19	0	0	10	11	2
20	0	0	17	15	8
21	0	0	14	14	8
22	0	0	0	13	9
23	0	0	0	14	9
24	0	0	13	8	9
25	0	0	22	11	8
26	0	0	18	6	9
27	0	0	15	7	11
28	0	0	5	7	11
29	0	0	3	0	11
30	0	0	2	0	8
31	0	.....	0	0	.....
Mean	0	0.2	5	5	6
Max.	0	4.0	21	17	20
Min.	0	.0	0	0	0
A. F.	0	16.0	305	289	351

Area reported 2882 acres.
Water used 961 A. F.
Per acre 0.33 A. F.

OTTER CREEK CANAL

Diverted from Otter Creek

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	6	3	2	19
2	3	6	3	2	19
3	6	6	3	2	19
4	6	3	3	2	19
5	6	0	3	0	20
6	6	0	3	0	19
7	6	0	0	0	19
8	6	0	3	1	19
9	5	0	3	0	20
10	5	0	3	0	20
11	5	0	2	0	11
12	5	0	0	0	10
13	5	0	0	0	0
14	5	0	0	0	0
15	5	0	0	0	10
16	6	0	0	2	19
17	6	0	0	2	19
18	6	0	2	2	19
19	6	4	2	2	18
20	6	8	2	3	18
21	6	8	2	2	17
22	6	8	2	2	17
23	6	8	2	2	17
24	6	8	2	4	17
25	6	3	2	4	17
26	6	8	2	13	17
27	6	3	2	16	17
28	6	2	2	16	17
29	6	0	2	16	17
30	6	0	2	17	16
31	.....	2	.....	19	16
Mean	5	3	2	4	7
Max.	6	8	3	19	20
Min.	0	0	0	0	0
A. F.	327	165	109	260	976

Area reported 1411 acres.
Water used 2226 A. F.
Per acre 1.58 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	OWASCO CANAL				
	Diverted from Lodgepole Creek		Creek		
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	1	6	6	3
2	0	1	6	5	4
3	0	2	6	2	4
4	0	2	6	2	4
5	0	2	6	2	4
6	0	3	6	3	3
7	0	3	4	4	3
8	0	3	3	7	3
9	0	3	2	5	3
10	0	4	2	5	3
11	0	4	2	5	3
12	0	4	2	4	3
13	0	4	2	4	3
14	0	4	2	3	3
15	0	4	2	3	3
16	3	4	2	3	3
17	3	0	2	3	3
18	3	0	3	3	3
19	3	0	3	3	2
20	3	0	3	3	2
21	5	0	2	3	2
22	5	3	2	3	2
23	5	3	3	4	2
24	5	3	5	4	2
25	5	3	5	4	2
26	4	3	5	4	3
27	4	3	5	4	3
28	4	2	5	4	3
29	4	2	5	4	3
30	4	2	4	3	3
31	4	.....	4	3	.....
Mean	2	2	3	3	3
Max.	5	4	6	7	4
Min.	0	0	2	2	2
A. F.	127	139	228	224	173

Area reported 1070 acres.
Water used 891 A. F.
Per acre 0.83 A. F.

DATE	PAISLEY CANAL					
	Diverted from Blue Creek		Creek			
	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	15	10
2	0	0	6	0	15	10
3	0	0	12	0	15	10
4	0	0	12	0	15	10
5	0	0	12	0	15	10
6	0	0	12	0	15	10
7	0	0	12	0	15	10
8	0	0	12	0	15	9
9	0	0	12	0	15	9
10	0	0	11	5	15	10
11	0	0	12	10	10	10
12	0	0	12	10	0	6
13	0	0	12	11	0	0
14	0	0	12	0	0	0
15	0	0	0	0	5	0
16	0	0	4	0	11	0
17	0	0	10	6	11	0
18	0	0	10	15	11	0
19	0	0	10	15	10	4
20	5	0	12	15	10	7
21	10	0	7	15	9	7
22	10	0	0	15	11	7
23	10	0	0	15	11	7
24	10	5	0	15	11	7
25	10	10	0	15	11	7
26	12	0	0	15	11	6
27	12	0	0	15	12	6
28	12	0	0	15	11	5
29	10	0	0	11	11	4
30	10	0	0	11	11	0
31	.....	0	.....	12	11	.....
Mean	4	1	7	8	11	6
Max.	12	10	12	15	15	10
Min.	0	0	0	0	0	0
A. F.	220	30	401	478	670	359

Area reported 1196 acres.
Water used 2158 A. F.
Per acre 1.80 A. F.

DATE	PAXTON-HERSHEY CANAL					
	Diverted from North Platte River		Creek			
	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	70	3	3	6	0
2	0	73	4	0	3	0
3	0	86	6	3	0	0
4	0	83	7	4	0	0
5	0	61	6	5	0	0
6	10	56	8	38	0	0
7	10	51	20	0	0	0
8	10	58	25	0	0	0
9	10	52	64	0	14	0
10	10	66	15	0	85	0
11	10	63	28	0	75	0
12	10	73	4	0	61	0
13	18	79	3	0	16	0
14	18	79	0	0	12	0
15	18	70	0	0	12	0
16	30	63	26	0	73	0
17	30	58	73	0	72	0
18	30	50	75	0	67	0
19	30	33	78	0	66	0
20	30	30	79	0	63	0
21	40	23	78	0	53	0
22	40	22	72	0	52	0
23	40	22	73	0	46	0
24	40	20	67	0	45	0
25	58	10	69	0	45	0
26	60	7	70	0	45	0
27	79	8	66	0	43	0
28	81	6	64	0	41	0
29	75	6	18	0	39	0
30	69	5	9	0	37	0
31	.....	5	.....	0	.....	.....
Mean	29	45	37	2	35	0
Max.	81	86	79	38	85	0
Min.	0	5	0	0	0	0
A. F.	1698	2739	2202	105	18	2106

Area reported 7474 acres.
Water used 8868 A. F.
Per acre 1.19 A. F.

DATE	RAMSHORN CANAL				
	Diverted from North Platte River		Creek		
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	2
2	0	0	0	0	2
3	0	0	0	0	2
4	0	0	0	0	2
5	0	0	0	0	2
6	0	23	0	0	2
7	0	1	0	0	2
8	0	0	0	0	2
9	0	0	0	0	2
10	0	0	0	0	2
11	0	0	0	0	2
12	0	0	0	0	1
13	0	0	0	0	2
14	0	0	0	0	2
15	0	0	0	0	2
16	0	0	0	0	0
17	0	15	0	0	0
18	0	6	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	14	0	0	0	0
22	14	0	0	0	0
23	12	0	17	0	0
24	7	0	13	0	0
25	2	0	18	0	0
26	2	0	14	0	0
27	12	0	2	0	0
28	18	0	0	0	0
29	2	12	0	0	0
30	2	0	0	0	0
31	2	.....	0	0	.....
Mean	3	2	2	0	1
Max.	18	23	18	0	2
Min.	0	0	0	0	0
A. F.	172	113	127	0	57

Area reported 2134 acres.
Water used 470 A. F.
Per acre 0.22 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

SCHERMERHORN CANAL
Diverted from Red Willow Creek

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	4
22	0	0	0	0	4
23	0	0	0	0	4
24	0	0	0	0	6
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	3	0	0
29	0	0	3	0	0
30	0	0	3	0	0
31	0	.....	0	0	.....
Mean	0	0	0.3	0	0.3
Max.	0	0	3.0	0	4.0
Min.	0	0	.0	0	.0
A. F.	0	0	18.0	0	24.0

Area reported 450 acres.
Water used 42 A. F.
Per acre 0.01 A. F.

SCRIPTER CANAL
Diverted from Clear Creek

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	3	0	0	0	0
18	3	0	0	0	0
19	3	0	0	0	0
20	3	0	0	0	0
21	3	0	0	0	0
22	3	0	0	0	0
23	3	0	0	0	0
24	3	0	0	0	0
25	3	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	.....	0	0	.....
Mean	1	0	0	0	0.3
Max.	3	0	0	0	3.0
Min.	0	0	0	0	.0
A. F.	59	0	0	0	22.0

Area reported 175 acres.
Water used 81 A. F.
Per acre 0.41 A. F.

SHERIDAN-WILSON CANAL
Diverted from North Platte River

DATE	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	7	0	7	0	0
2	0	7	0	7	0	0
3	0	7	0	8	0	0
4	0	7	0	8	0	0
5	0	7	0	10	0	0
6	0	7	0	9	0	0
7	0	7	5	9	0	0
8	0	7	10	9	0	0
9	0	7	11	4	0	0
10	0	7	12	0	0	0
11	0	5	10	0	0	0
12	0	5	5	0	0	0
13	0	5	0	0	0	8
14	0	5	0	0	0	15
15	0	5	0	0	0	15
16	0	3	6	0	0	15
17	0	3	12	0	0	15
18	0	5	12	0	0	15
19	0	10	11	0	0	15
20	0	12	11	0	0	19
21	0	18	11	0	0	18
22	0	17	12	0	0	18
23	0	16	13	0	0	18
24	0	15	14	0	0	17
25	0	12	13	0	0	17
26	2	9	10	0	0	16
27	3	15	10	0	0	16
28	3	21	10	0	0	16
29	3	19	10	0	0	16
30	3	8	10	0	0	16
31	3	5	.....	0	0	.....
Mean	1	9	7	2	0	9
Max.	3	21	14	10	0	19
Min.	0	3	0	0	0	0
A. F.	34	561	432	141	0	565

Area reported 676 acres.
Water used 1733 A. F.
Per acre 2.56 A. F.

SHORT LINE CANAL
Diverted from North Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	20	0	0	0	12
2	20	0	0	0	20
3	20	0	0	0	24
4	20	0	0	0	36
5	20	0	0	0	32
6	30	38	0	0	25
7	30	12	0	0	16
8	30	36	0	0	1
9	30	26	0	0	4
10	30	0	0	0	5
11	30	0	0	0	5
12	30	0	0	0	2
13	30	0	0	0	0
14	30	0	0	30	0
15	30	0	0	13	0
16	40	39	7	14	0
17	45	52	15	13	0
18	45	47	13	15	21
19	46	36	10	15	53
20	46	38	9	16	32
21	46	20	26	16	44
22	24	1	12	15	43
23	32	1	5	15	26
24	27	1	0	20	5
25	0	15	4	15	8
26	0	35	8	12	6
27	0	28	8	12	8
28	0	0	8	13	7
29	0	1	9	15	16
30	0	1	7	13	13
31	0	.....	5	13	.....
Mean	24	14	4	10	15
Max.	46	52	26	50	53
Min.	0	0	0	0	0
A. F.	1489	847	289	645	920

Area reported 2950 acres.
Water used 4190 A. F.
Per acre 1.42 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

SIGNAL BLUFF CANAL						SIX MILE CANAL				
DATE	Diverted from North Platte River					MAY	Diverted from Platte River			
	MAY	JUNE	JULY	AUG.	SEPT.		MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	10	0	0	0	0	0	0	0	0
7	0	5	0	0	0	0	0	0	0	0
8	0	5	0	0	0	0	0	0	0	0
9	0	5	0	0	0	0	0	0	0	0
10	0	5	0	0	0	0	0	0	0	0
11	4	0	0	1	0	0	0	0	0	0
12	4	0	0	0	0	0	0	0	0	0
13	4	0	0	0	0	0	0	0	0	0
14	4	0	0	2	0	0	0	0	0	0
15	4	0	0	4	0	0	0	0	0	0
16	4	3	1	2	0	0	2	0	0	0
17	5	5	2	4	0	0	10	0	0	0
18	5	2	2	2	0	0	10	0	0	0
19	6	4	4	4	0	0	9	0	0	0
20	6	5	0	1	0	0	12	0	0	0
21	3	3	0	1	0	0	17	0	0	0
22	3	0	0	2	0	0	12	0	0	0
23	3	0	0	6	0	0	13	0	0	0
24	3	0	0	1	0	0	13	0	0	0
25	0	0	0	0	0	0	13	0	0	0
26	0	0	0	0	0	0	14	0	0	0
27	0	0	0	0	0	0	17	0	0	0
28	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0
31	0	.....	0	0	.....	0	.....	0	0	.....
Mean	2	2	0.3	1	0	0	4	0	0	0
Max.	6	10	4.0	6	0	0	17	0	0	0
Min.	0	0	.0	0	0	0	0	0	0	0
A. F.	115	103	18.0	59	0	0	282	0	0	0

Area reported 1436 acres.
Water used 295 A. F.
Per acre 0.20 A. F.

Area reported 1830 acres.
Water used 282 A. F.
Per acre 0.16 A. F.

SPOHN CANAL						
DATE	Diverted from North Platte River					SEPT.
	APR.	MAY	JUNE	JULY	AUG.	
1	0	0	0	4	5	8
2	0	0	0	4	2	9
3	0	0	0	4	4	10
4	0	0	0	4	4	11
5	0	0	0	3	3	10
6	0	0	0	2	3	13
7	0	0	4	2	6	13
8	0	0	8	1	4	12
9	0	0	8	1	6	13
10	0	0	8	0	6	14
11	0	0	7	0	3	8
12	0	0	0	0	0	0
13	0	0	0	3	4	0
14	0	0	0	2	4	0
15	0	0	0	3	8	0
16	0	0	5	2	4	0
17	0	0	11	6	2	0
18	0	0	9	7	3	0
19	0	0	6	6	1	7
20	0	0	9	4	2	13
21	0	0	6	7	1	14
22	0	0	0	4	4	14
23	0	0	0	6	2	14
24	0	0	0	5	2	14
25	0	0	0	6	4	15
26	0	0	0	5	4	15
27	0	0	0	4	5	15
28	0	0	0	3	5	16
29	0	0	0	1	6	15
30	0	0	0	3	6	15
31	.....	0	.....	3	7	.....
Mean	0	0	3	3	4	10
Max.	0	0	11	7	8	16
Min.	0	0	0	0	0	0
A. F.	0	0	161	208	238	571

Area reported 800 acres.
Water used 1178 A. F.
Per acre 1.47 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued
SUBURBAN CANAL

DATE	Diverted from North Platte River				AUG.	SEPT.
	APR.	MAY	JUNE	JULY		
1	0	53	57	80	56	50
2	0	59	0	75	54	50
3	0	49	0	69	60	50
4	0	104	0	64	60	50
5	0	73	0	59	60	50
6	0	29	0	51	60	50
7	0	3	42	0	75	50
8	0	0	92	0	75	50
9	0	28	100	0	75	50
10	0	11	93	1	75	50
11	0	40	92	2	50	45
12	0	30	45	3	50	45
13	0	21	0	84	50	45
14	0	22	0	66	50	40
15	0	18	0	74	50	35
16	0	30	27	86	51	50
17	0	19	55	86	103	50
18	0	3	56	80	75	50
19	20	0	58	82	75	50
20	40	5	53	69	75	50
21	40	11	80	61	70	65
22	40	11	68	64	70	39
23	40	20	59	67	70	12
24	40	20	47	69	70	8
25	40	25	60	82	70	15
26	60	31	71	90	60	21
27	60	61	59	80	60	25
28	82	75	56	59	60	25
29	100	84	58	60	60	25
30	82	80	68	61	60	30
31	.....	79	.....	62	60	.....
Mean	21	35	46	58	64	41
Max.	100	104	100	90	103	65
Min.	0	0	0	0	50	8
A. F.	1277	2170	2769	3543	3945	2430

Area reported 7541 acres.
 Water used 16134 A. F.
 Per acre 2.14 A. F.

THIRTY MILE CANAL
 Diverted from Platte River

DATE	OCT.	NOV.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	200	321	0	270	0	2	0	0
2	200	283	0	271	0	2	0	0
3	200	265	0	273	0	2	0	0
4	200	247	0	263	0	2	0	0
5	200	112	0	233	0	2	0	0
6	225	100	0	304	0	2	0	0
7	225	88	0	296	0	0	0	0
8	225	76	0	321	0	0	0	0
9	225	173	0	336	0	0	0	0
10	225	159	0	329	0	0	0	0
11	258	147	30	65	296	0	0	79
12	270	112	68	76	235	0	0	113
13	290	0	100	112	195	0	0	69
14	313	0	150	116	145	0	0	42
15	311	0	170	141	15	0	0	14
16	317	0	200	137	0	0	0	12
17	334	0	200	157	141	0	0	10
18	339	0	200	217	164	0	0	10
19	334	0	200	183	184	0	0	0
20	341	0	200	190	177	0	0	0
21	343	0	225	195	62	0	0	0
22	336	0	225	195	93	0	0	0
23	338	0	225	213	253	0	0	0
24	333	0	225	217	306	0	0	0
25	333	0	225	233	262	0	0	0
26	327	0	231	0	0	0	0	0
27	326	0	231	0	0	0	0	0
28	326	0	256	0	0	0	0	0
29	326	0	257	0	0	0	0	0
30	326	0	260	0	0	0	0	0
31	331	.....	.....	0	.....	0	0	.....
Mean	286	69	129	172	84	0.3	0	11
Max.	343	321	260	336	306	2.0	0	113
Min.	200	0	0	0	0	.0	0	0
A. F.	17607	4132	7692	10598	5014	24.0	0	692

Area reported 22809 acres.
 Water used 45759 A. F.
 Per acre 2.00 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

TRI-STATE CANAL

DATE	Diverted from North Platte River				
	MAY	JUNE	JULY	AUG.	SEPT.
1	0	1077	330	360	149
2	0	1082	302	360	167
3	0	1070	276	320	262
4	0	1062	237	287	135
5	0	1060	273	245	211
6	0	1040	340	194	217
7	0	1040	395	170	204
8	0	856	391	136	193
9	0	740	408	112	214
10	0	697	446	101	222
11	0	639	401	69	222
12	0	632	304	71	223
13	0	636	275	69	222
14	0	645	273	55	237
15	0	761	271	48	237
16	0	834	256	46	251
17	0	729	256	42	221
18	100	913	240	36	232
19	197	814	204	52	239
20	401	856	156	53	222
21	718	707	360	44	211
22	814	669	927	38	196
23	776	636	989	37	192
24	729	541	962	37	178
25	818	519	1028	37	179
26	913	545	1035	38	215
27	948	483	1016	45	207
28	979	464	932	56	204
29	1038	405	852	109	211
30	1047	358	588	137	215
31	1065	.....	330	159	.....
Mean	338	757	483	115	209
Max.	1065	1082	1035	360	262
Min.	0	358	156	36	135
A. F.	20912	45045	29858	7067	12472

TRI-STATE CANAL—SUMMARY IN ACRE-FEET
Diversion from North Platte River

	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
Tri-State Canal at Rating Station	20912	45045	29858	7067	12472	115354
Lateral No. 1	101	186	141	53	0	481
Lateral No. 2	149	436	265	103	38	991
Lateral No. 3	24	60	24	0	0	108
Total acre-feet	21186	45727	30288	7223	12510	116934
Area reported 66999 acres.						
Water used 116934 A. F.						

TRI-STATE LATERAL NO. 1
Diverted from North Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	6	6	0	0
2	0	6	0	0	0
3	0	6	6	0	0
4	0	6	7	0	0
5	0	7	9	0	0
6	0	7	2	1	0
7	0	6	0	0	0
8	0	2	0	0	0
9	0	0	1	0	0
10	0	0	3	0	0
11	0	0	2	0	0
12	0	0	3	3	0
13	0	4	2	3	0
14	0	5	0	3	0
15	0	6	0	3	0
16	0	5	0	3	0
17	0	5	0	4	0
18	0	5	3	4	0
19	0	4	2	3	0
20	0	3	2	0	0
21	0	2	6	0	0
22	0	1	0	0	0
23	1	0	0	0	0
24	3	0	0	0	0
25	6	0	0	0	0
26	7	2	2	0	0
27	7	1	4	0	0
28	7	3	4	0	0
29	7	1	0	0	0
30	6	1	4	0	0
31	7	.....	3	0	.....
Mean	2	3	2	1	0
Max.	7	7	9	4	0
Min.	0	0	0	0	0
A. F.	101	186	141	53	0
Water used 481 A. F.					

TRI-STATE LATERAL NO. 2
Diverted from North Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	9	7	3	0
2	0	10	7	0	0
3	0	9	7	0	0
4	0	10	8	0	0
5	0	10	9	4	0
6	0	11	1	6	8
7	0	10	0	5	9
8	0	8	0	6	0
9	0	2	5	2	0
10	0	5	7	0	0
11	0	5	5	0	0
12	0	5	6	0	0
13	0	9	5	0	0
14	0	9	0	0	0
15	0	9	0	2	0
16	0	8	1	3	0
17	0	8	2	3	2
18	0	8	5	4	0
19	0	8	4	2	0
20	0	7	4	0	0
21	0	7	6	0	0
22	0	7	0	0	0
23	8	6	0	2	0
24	8	5	0	2	0
25	8	5	4	8	0
26	7	6	6	0	0
27	7	6	8	0	0
28	7	7	7	0	0
29	10	6	6	0	0
30	10	5	7	0	0
31	10	.....	6	0	.....
Mean	2	7	4	2	0.6
Max.	10	11	9	8	9.0
Min.	0	2	0	0	.0
A. F.	149	436	265	103	38.0
Water used 991 A. F.					

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued
TRI-STATE LATERAL NO. 3
 Diverted from North Platte River

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	2	1	0	0
2	0	2	0	0	0
3	0	2	0	0	0
4	0	2	1	0	0
5	0	3	1	0	0
6	0	3	0	0	0
7	0	2	0	0	0
8	0	1	0	0	0
9	0	1	0	0	0
10	0	1	1	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	2	0	0	0
14	0	1	0	0	0
15	0	2	1	0	0
16	0	1	1	0	0
17	0	2	1	0	0
18	0	2	0	0	0
19	0	1	0	0	0
20	0	0	0	0	0
21	0	0	1	0	0
22	0	0	1	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	2	0	0	0	0
27	2	0	1	0	0
28	2	0	1	0	0
29	2	0	0	0	0
30	2	0	1	0	0
31	2	0	0	0	0
Mean	1	1	1	0	0
Max.	2	3	1	0	0
Min.	0	0	0	0	0
A. F.	24	60	24	0	0

Water used 108 A. F.

TRI-STATE CANAL
 Diverted from Akers Draw

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	10	9	10	11	12
2	10	9	10	11	12
3	10	9	10	11	12
4	10	9	10	11	12
5	10	9	10	11	12
6	10	9	10	12	11
7	10	9	10	12	11
8	10	9	10	12	11
9	10	9	10	12	11
10	10	9	10	12	11
11	10	9	10	12	11
12	10	9	10	12	11
13	10	9	10	12	11
14	10	9	10	12	11
15	10	9	10	12	11
16	10	9	10	12	11
17	10	9	10	12	11
18	10	9	10	12	11
19	10	9	10	12	11
20	10	9	10	12	11
21	11	10	11	12	11
22	11	10	11	12	11
23	11	10	11	12	11
24	11	10	11	12	11
25	11	10	11	12	11
26	10	10	11	12	11
27	10	10	11	12	11
28	10	10	11	12	11
29	10	10	11	12	11
30	9	10	11	12	11
31	9	10	11	12	11
Mean	10	9	10	12	11
Max.	11	10	11	12	12
Min.	10	9	10	11	11
A. F.	621	555	637	728	664

Water used 3205 A. F.

TRI-STATE CANAL
 Diverted from Alliance Drain

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	5	10	6	7	3
2	5	11	5	7	3
3	5	12	6	7	3
4	5	12	5	7	3
5	5	11	4	9	3
6	5	10	7	8	3
7	5	10	7	10	3
8	5	10	8	9	3
9	5	10	8	10	3
10	5	10	9	10	2
11	5	9	9	10	3
12	5	9	9	10	3
13	5	9	9	9	4
14	5	9	9	9	4
15	5	9	11	10	4
16	5	9	10	10	3
17	5	9	9	10	3
18	5	8	11	10	3
19	5	9	11	9	3
20	6	9	10	10	4
21	7	8	11	9	4
22	7	7	12	10	4
23	7	7	11	9	3
24	7	7	11	8	3
25	7	7	11	9	3
26	7	7	10	8	3
27	7	7	9	8	3
28	7	7	9	4	3
29	7	7	9	3	3
30	7	6	9	4	4
31	7	0	9	2	0
Mean	6	9	9	8	3
Max.	7	12	12	10	4
Min.	5	6	4	2	2
A. F.	353	526	543	506	190

Water used 2118 A. F.

TRI-STATE CANAL
 Diverted from Moffat Drain

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	1	2	0
2	0	0	1	2	0
3	0	0	1	2	0
4	0	0	1	2	0
5	0	0	1	2	0
6	0	0	1	2	0
7	0	0	1	2	0
8	0	0	1	2	0
9	0	0	1	2	0
10	0	0	1	2	0
11	0	0	1	2	0
12	0	0	1	2	0
13	0	0	1	2	0
14	0	0	1	2	0
15	0	0	1	2	0
16	0	0	1	2	0
17	0	0	1	2	0
18	0	0	1	2	0
19	0	0	1	2	0
20	0	0	1	2	0
21	0	0	1	2	0
22	0	0	1	2	0
23	0	0	1	2	0
24	0	0	1	2	0
25	0	0	1	2	0
26	0	0	1	2	0
27	0	0	1	2	0
28	0	0	1	2	0
29	0	0	1	2	0
30	0	0	1	2	0
31	0	0	1	2	0
Mean	0	0	1	2	0
Max.	0	0	1	2	0
Min.	0	0	1	2	0
A. F.	0	0	61	123	0

Water used 184 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

DATE	TRI-STATE CANAL					TRI-STATE CANAL					Dry
	Diverted MAY	from JUNE	Sheep JULY	Creek AUG.	SEPT.	Diverted MAY	from JUNE	Spotted JULY	Tail AUG.	Creek, SEPT.	
1	36	52	52	48	46	8	9	9	8	10	
2	36	52	52	47	47	8	9	9	8	10	
3	36	50	51	46	48	8	9	8	8	10	
4	36	49	53	48	50	8	9	8	8	10	
5	64	53	56	51	50	8	9	8	8	9	
6	64	54	54	51	51	8	9	8	8	9	
7	64	52	49	53	51	8	10	8	8	9	
8	64	52	52	50	53	8	10	8	8	11	
9	64	52	50	49	59	8	10	11	8	11	
10	64	52	52	56	58	8	10	8	8	10	
11	64	54	52	55	53	8	10	8	11	9	
12	64	54	51	54	53	8	10	8	10	10	
13	56	51	48	55	53	8	10	7	12	8	
14	56	53	54	55	54	8	10	8	12	9	
15	56	67	53	64	55	8	11	9	12	8	
16	56	66	50	60	55	8	13	8	13	9	
17	56	59	54	56	54	8	12	10	13	8	
18	56	52	51	55	55	8	10	9	11	8	
19	56	60	47	54	55	8	11	8	13	8	
20	53	57	51	52	62	8	11	9	12	9	
21	53	61	50	51	60	8	12	9	12	8	
22	55	57	50	54	58	8	11	9	12	8	
23	52	53	50	55	58	8	10	9	12	7	
24	52	56	48	49	59	8	10	9	12	8	
25	54	62	52	49	62	7	10	10	12	9	
26	52	55	52	49	61	7	9	9	12	8	
27	52	53	51	47	60	7	9	9	11	8	
28	51	51	50	46	59	7	9	9	11	8	
29	50	51	50	46	59	7	9	9	11	8	
30	50	52	48	48	60	8	9	8	12	8	
31	51	.....	48	46	.....	8	.....	8	10	.....
Mean	54	55	51	52	55	8	10	9	10	9	
Max.	64	67	56	64	62	8	13	11	13	10	
Min.	36	49	47	46	46	7	9	7	8	8	
A. F.	3318	3257	3136	3172	3289	482	595	530	647	526	
Water used	16172 A. F.					2780 A. F.					

DATE	TRI-STATE CANAL					Wet SEPT.
	Diverted MAY	from JUNE	Spotted JULY	Tail AUG.	Creek, SEPT.	
1	7	5	3	2	7	
2	7	3	3	4	7	
3	7	2	3	2	7	
4	7	1	3	3	7	
5	7	1	3	4	7	
6	7	1	3	4	7	
7	7	2	3	4	9	
8	7	2	3	4	8	
9	7	3	3	4	8	
10	7	3	3	8	7	
11	7	2	3	8	8	
12	7	2	2	10	7	
13	7	2	2	10	6	
14	7	3	2	9	6	
15	7	4	2	5	6	
16	7	5	2	5	6	
17	7	5	2	7	6	
18	7	5	2	5	6	
19	7	4	2	6	9	
20	7	4	1	4	11	
21	7	3	1	5	9	
22	7	3	1	6	10	
23	7	3	3	6	10	
24	6	3	3	6	10	
25	6	3	4	6	11	
26	6	3	4	6	11	
27	5	3	5	6	11	
28	6	3	3	6	7	
29	6	3	4	6	10	
30	5	5	4	7	10	
31	5	.....	3	6	.....
Mean	7	3	3	6	8	
Max.	7	5	5	10	11	
Min.	5	1	1	2	6	
A. F.	409	180	169	345	484	
Water used	1587 A. F.					

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued
TRI-STATE CANAL

DATE	Diverted from				
	MAY	JUNE	Tub JULY	Springs AUG.	SEPT.
1	15	14	17	14	13
2	15	15	17	14	13
3	15	17	16	14	13
4	15	16	17	14	13
5	15	15	17	16	13
6	15	15	17	17	13
7	15	15	16	17	13
8	15	15	17	17	12
9	15	15	16	18	12
10	15	15	16	19	12
11	15	15	17	18	12
12	15	15	17	19	11
13	15	16	17	19	11
14	15	16	16	19	11
15	15	16	17	21	13
16	15	16	17	21	12
17	15	16	18	20	12
18	15	20	17	20	12
19	15	19	17	20	12
20	15	19	18	20	13
21	15	19	17	20	13
22	14	19	17	19	12
23	14	18	18	19	12
24	14	18	18	19	12
25	14	18	17	18	12
26	14	18	17	19	12
27	14	17	14	19	12
28	14	15	14	18	12
29	14	16	14	18	12
30	14	17	18	12	12
31	14	.....	14	13	.....
Mean	15	16	17	18	12
Max.	15	20	18	21	13
Min.	14	14	14	12	11
A. F.	902	982	1022	1093	728
Water used	4727 A. F.				

TRI-STATE CANAL—SUMMARY IN ACRE-FEET
Water disposal by Farmers Irrigation District

	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
From North Platte River.....	21186	45728	30286	7224	12510	116934
Sheep Creek.....	3318	3257	3136	3172	3289	16172
Akers Draw.....	621	555	637	728	664	3205
Tub Springs.....	902	982	1022	1093	728	4727
Spotted Tail, Dry.....	482	595	530	647	526	2780
Spotted Tail, Wet.....	409	180	169	345	484	1587
Moffat Drain.....	0	0	61	123	0	184
Alliance Drain.....	353	526	543	506	190	2118
Total diversion.....	27271	51823	36384	13838	18391	147707
Total waste.....	0	0	0	0	0	0
Net diverted.....	27271	51823	36384	13838	18391	147707
Diverted for Northport District.....	6464	6793	11663	3017	141	28078
Diverted for Farmers Irrigation District.....	20807	45030	24721	10821	18250	119629

	Acreage Reported	Net Acre-feet Used	Per Acre
A-660.....	3644	426	0.12
D-918.....	63355	119203	1.88
A-768.....	16131	28078	1.74
Total.....	83130	147707	1.78

Season—May 18 to October 1, 136 days.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Continued

UNION CANAL

Diverted from Blue Creek

DATE	MAY	JUNE	JULY	AUG.	SEPT.
1	10	13	3	12	11
2	10	16	2	12	11
3	10	11	2	11	11
4	10	13	3	11	11
5	10	16	5	10	11
6	10	13	5	12	11
7	10	13	5	12	10
8	10	13	5	12	12
9	10	16	4	13	11
10	10	11	0	12	6
11	8	5	0	5	6
12	8	0	0	0	8
13	8	0	0	0	8
14	8	0	0	0	8
15	8	0	0	12	8
16	8	0	5	11	10
17	8	0	9	10	12
18	8	0	10	7	13
19	8	0	11	11	9
20	8	0	11	11	5
21	9	9	19	16	5
22	9	11	18	14	5
23	9	7	16	13	5
24	9	9	18	16	5
25	9	9	16	15	5
26	10	5	13	10	3
27	12	9	16	16	3
28	19	8	16	16	3
29	11	9	11	16	3
30	16	9	9	18	3
31	16	.....	10	19	.....
Mean	10	7	8	11	7
Max.	19	16	19	19	13
Min.	8	0	0	0	3
A. F.	613	446	480	700	460

Area reported 1288 acres.
 Water used 2699 A. F.
 Per acre 2.09 A. F.

WESTERN CANAL

Diverted from South Platte River

DATE	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	132	44	44	80	25	30
2	0	125	47	40	72	24	28
3	0	119	62	40	69	24	30
4	0	125	144	38	62	22	28
5	0	141	158	40	62	19	27
6	0	138	202	36	62	19	28
7	0	135	209	36	59	22	28
8	0	135	192	38	56	22	30
9	0	132	174	34	56	24	32
10	0	115	174	32	54	24	34
11	0	112	150	34	56	24	32
12	0	109	125	32	52	22	30
13	0	97	122	34	52	22	30
14	0	83	112	95	42	21	28
15	0	86	95	270	40	22	27
16	0	89	75	192	38	24	32
17	0	89	78	209	34	25	28
18	0	80	72	181	36	25	30
19	0	72	64	109	34	24	32
20	0	72	59	89	34	24	40
21	20	72	56	80	32	24	47
22	20	75	54	83	30	21	49
23	40	75	52	72	34	22	49
24	80	66	52	69	32	25	52
25	100	64	52	78	32	30	54
26	120	59	49	114	28	28	54
27	140	59	49	114	28	30	54
28	159	54	49	100	25	32	56
29	150	49	47	97	24	32	52
30	141	47	44	86	24	32	52
31	132	.....	47	.....	22	32	.....
Mean	36	93	94	83	44	25	37
Max.	159	141	209	270	80	32	54
Min	0	47	44	32	22	19	27
A. F.	2186	5566	5770	4990	2699	1519	2227

Area reported 12356 acres.
 Water used 24958 A. F.
 Per acre 2.02 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1934—Concluded

DATE	WINTERS CREEK CANAL					SEPT.
	Diverted from North Platte River					
	APR.	MAY	JUNE	JULY	AUG.	
1	0	40	20	17	18	14
2	0	40	21	15	17	18
3	0	40	17	14	17	18
4	0	45	17	13	18	16
5	0	42	18	1	18	13
6	0	39	11	0	18	10
7	0	41	10	0	17	12
8	0	43	14	15	18	15
9	0	45	20	16	19	20
10	0	45	21	20	21	15
11	0	44	20	23	21	15
12	0	46	18	20	20	17
13	0	51	22	21	20	15
14	0	48	23	21	19	14
15	0	47	19	21	19	15
16	0	47	11	21	21	14
17	0	42	5	21	20	12
18	0	46	3	22	18	11
19	0	44	3	21	18	11
20	0	43	10	19	17	15
21	0	40	22	24	16	17
22	0	34	20	26	18	17
23	0	21	12	24	19	18
24	0	18	14	21	18	17
25	10	25	22	21	14	17
26	20	35	20	20	14	16
27	30	29	18	18	13	13
28	30	8	15	19	13	12
29	30	5	17	18	14	9
30	30	22	17	17	15	8
31	.....	20	.....	16	14	.....
Mean	5	37	16	18	17	14
Max.	30	51	23	26	21	20
Min.	0	5	3	0	13	8
A. F.	298	2251	952	1081	1075	861

Area reported 1286 acres.
 Water used 6518 A. F.
 Per acre 5.07 A. F.

DATE	WINTERS CREEK CANAL					SEPT.
	Diverted from Winters Creek					
	APR.	MAY	JUNE	JULY	AUG.	
1	0	63	53	44	42	48
2	0	63	66	60	46	54
3	0	68	28	49	52	48
4	0	66	50	56	57	56
5	0	68	51	50	72	49
6	0	62	42	40	65	36
7	0	61	13	46	72	36
8	0	66	17	46	73	40
9	0	69	17	56	72	44
10	0	73	36	73	76	33
11	0	72	55	68	63	33
12	0	75	48	57	63	38
13	0	94	42	48	55	46
14	0	81	58	42	46	51
15	0	92	42	45	52	51
16	0	74	35	46	65	53
17	0	69	43	48	59	42
18	0	59	54	51	57	45
19	0	47	36	43	61	51
20	0	52	32	46	49	46
21	0	55	38	49	46	47
22	0	51	42	40	61	37
23	0	31	29	45	60	37
24	0	38	19	41	54	51
25	10	51	25	60	57	46
26	10	47	22	48	55	37
27	10	44	32	50	50	31
28	10	53	40	60	55	30
29	30	51	45	59	52	25
30	40	47	45	54	59	17
31	.....	53	.....	54	52	.....
Mean	4	61	38	51	58	42
Max.	40	94	66	73	76	56
Min.	0	31	17	41	42	17
A. F.	218	3758	2291	3124	3564	2495

Area reported 3263 acres.
 Water used 15450 A. F.
 Per acre 4.73 A. F.

WHITNEY RESERVOIR—WHITNEY IRRIGATION DISTRICT

White River

Contents in acre-feet—1934

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2									6900			
3												
4		2550									425	
5								9000				
6												
7										3200		
8												
9									6150			
10												
11												
12								8300				
13												
14					5900					2100		
15												
16				4700					5400			
17												
18												
19								8150				
20						7000						
21							8700					
22												
23							9000		4550			
24												
25												
26								7750				
27												
28												
29							9000					
30									3900			
31												

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[Note:—THE TWENTIETH BIENNIAL REPORT OF THE DEPARTMENT OF ROADS AND IRRIGATION is composed of two parts: Part I, THE REPORT OF THE BUREAU OF ROADS AND BRIDGES, and Part II, THE REPORT OF THE BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE. This report has been bound and issued in three different volumes: (a) The complete report, consisting of both Part I and Part II. (b) Part I alone, consisting of pages 1-196. (c) Part II alone, consisting of all pages following 196.

In those copies of Part II alone, this index for Part I is included although the remainder of Part I (pages 1-196) has been omitted.]

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Airedale Canal-Pumpkinseed Creek			559
Akers Draw-Above Tri-State Canal			477
Alfalfa Canal-North Platte		529	459	716	752
Allen and Larned Canal-Buffalo Creek		529	459	.....	.....
Alliance Drain-Above Tri-State Canal			477	.....	.....
Alliance Canal Waste			477	.....	.....
Alliance Canal-Bayard Sugar Factory Drain		529	559	716	752
Alliance Canal-Red Willow Creek		529	559	716	752
Anderson Canal-Lodgepole Creek		529	.....	.....	.....
Antelope Creek		432	477	.....	.....
Arickaree River-Haigler (See also Republican River)	393	432	477	634	675
Ash Creek		432	477	.....	.....
Atkins-Polly Canal—Lodgepole Creek		529	559	716	752

B

Bald Drain		432	478	634	676
Barber Canal—Clear Creek		530	560	717	753
Barron Canal—Ash Creek			560	.....	.....
Bayard Sugar Factory Drain—Bayard	393	433	478	635	676
Bay State Canal—Lodgepole Creek		530	560	717	.....
Bazille Creek		433	478	.....	.....
Bear Creek		433	478	.....	.....
Beatty Lateral—Platte River			560	.....	.....
Beaver Creek		434	478	.....	.....
Beerline Canal—North Platte River		530	560	717	753
Belmont and Empire Canal—North Platte River		530	560	718	754
Belmont Feeder—Cedar Creek		530	561	719	755
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Bennett Canal—Lodgepole Creek		530	561
Bickel Canal—Lodgepole Creek		531	561	719	755
Biglow-Seymour Canal—Niobrara River		531	561	.....	.....
Bird Cage Canal—Pumpkinseed Creek		531	.....	.....	.....
Birdwood Creek	394	434	479	635	677
Birdwood Canal—Birdwood Creek		531	561	719	755
Blackwood Creek		434
Blue Creek	394	435	479	636	677

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	Gag- ing sta- tion	Measure- ments		Daily discharge	
		1933	1934	1933	1934
Blue Creek Canal—Blue Creek		531	562	719	755
Blue Lake			527		
Blue River, Big:					
—Barnston	394	435	481	636	678
—Seward			481		
Blue River, Little:					
—Ayr			480		
—Deshler		435	480		
—Endicott	394	435	480	637	678
—Hebron			480		
—Leroy			480		
—Oak			480		
—Spring Ranch			480		
—Steele City			481		
Bluhm Canal—Lodgepole Creek		531	562		
Boardman Creek			482		
Boelus Supply Canal—Middle Loup River					757
Boggy Creek			481		
Booth Canal—Lodgepole Creek		531			
Bordeaux Creek, Big		436	481		
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Boelus Power Canal—Middle Loup River			562		
Borquist Canal—Lodgepole Creek		531			
Borquist Canal, North—Lodgepole Creek		532			
Bourett Canal—Niobrara River		532	562		
Browns Creek Canal—North Platte River		532	562	720	756
Buffalo Creek—Elm Creek		436	482	637	679
Buffalo Creek—Haigler		436	482		
Bull Drain		437	482	638	679
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Burke-Kent Canal—Pawnee Creek		532	563		
Bushnell Canal—Lodgepole Creek			563		
Burton Creek			483		

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Calamus River—Harrop (Taylor)	437	483			
Caladonia Canal—Jim Creek			563		
Camp Clark Seep	437	483	638	680	
Carnine Lake	476				
Castle Rock Canal—North Platte River	532	563	720	756	

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		1933	1934	1933	1934
Castle Rock Waste No. 1		437			
Castle Rock Waste No. 2		437			
Cedar Branch Creek		437	483	639	681
Cedar Creek		438	483	639	680
Cedar River—Fullerton		438	484		
Cedar River—Spalding			484		
Center Creek		438			
Central Canal Waste		438			
Central Canal—North Platte River		532	563	721	757
Central Power Company's Canal—Middle Loup River					757
Circle Arrow—Lodgepole Creek		533			
Chadron Creek		438	484		
Champion Canal—Frenchman River		533	563	721	
Chimney Rock Canal Waste			485		
Chimney Rock Canal—North Platte River		533	564	722	757
Chimney Creek			485		
Clear Creek:					
—Lewellen		439	485	640	681
—Litchfield			485		
Clear Creek, Upper		439	485		
Clear Creek Canal—Clear Creek		533	564	722	758
Cleveland Drain		439	486	640	682
Cody-Dillon Canal—North Platte River			564	722	758
Coffee Canal—Hat Creek			564		
Cold Water Creek		440	486	641	682
Cold Water Canal—Cold Water Creek		534			
Cole Creek		461	509		
Cook Canal—Niobrara River		534	564		
Cooper Canal—Squaw Creek		534	565		
Cooper Canal—White Clay Creek		534	565		
Court House Rock Canal—Pumpkinseed Creek....		534	565	723	758
Cottonwood Creek, Big:					
—Franklin County		440	486		
—Dawes County		440	487		
Cottonwood Creek, Little		440	487		
Cozad Canal Waste		441	487		
Cozad Canal—Platte River		535	565	723	759
Coyote Springs			487		
Crescent Lake (Storage, p. 760)		476	527		
Crescent Lake Canal—Crescent Lake		535	565		759

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Crooked Creek			487		
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Dawson County Drain No. 2—Darr		441	488	641	683
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Dawson County Canal Waste into Buffalo Creek..		441	488		
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Dead Horse Creek		441	488		
DeGraw Drain		441	488	642	683
Deleware-Hickman Canal—Republican River		536	566		
Deer Creek		442	488		
Dickinson Canal—Lodgepole Creek			566		
Dietrich Canal—Beaver Creek			566		
Dismal River—Dunning		442	489		
Dodd-McDowell Canal—Little Cottonwood Creek			567		
Dout Canal—Jim Creek			567		
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Dugout Creek, Upper		442	489	642	684

E

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East Valley Lake		476			
Eli Lake		476	527		
Elkhorn River:					
—Neligh	395	443	489	643	684
—O'Neill		443	490		
—Waterloo	395	443	490	643	685
Elk Creek			490		
Elm Creek		443	490	644	685
Elm Creek Canal—Platte River		536	567	726	762
Empire Canal (See Belmont)—North Platte River		536	567	726	762
Enterprise Canal—North Platte River		536	567	727	763

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		1933	1934	1933	1934
Enterprise Canal—Morrill Drain	536	567	728	764
Enterprise Canal—Stewart Drain	536	568	728	764
Enterprise Canal—Dry Spotted Tail Creek	568	.....	.....
Enterprise Canal—Wet Spotted Tail Creek	537	568	728	764
Enterprise Canal Waste into Winters Creek	443	490	.....	.....
Enterprise Canal—Tub Springs	728	764
Ernest Canal—Niobrara River	537	568
Excelsior Canal—Niobrara River	537	568
Eureka Creek	490

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Fanning Seep	444	491	645	686
Farmers Creek	444	491
Farmers Canal—Frenchman River	537	568
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Finch Canal—Clear Creek	569	765
Flag Creek	444	491
Follett-Krotter Canal—Frenchman River	537	569
Fort Laramie Canal—North Platte River .....	.....	.....	.....	729	765
Fox Creek .....	.....	.....	491	.....	.....
Fremont Slough .....	.....	444	491	.....	.....
French Creek .....	.....	444	491	.....	.....
Frenchman River:					
—Maranville Reservoir .....	.....	445	491	645	.....
—Inman Canal .....	.....	445	492	.....	.....
—Enders .....	.....	445	493	.....	.....
—Champion .....	.....	395	445	492	646 687
—Harvey Dam Site .....	.....	446	492	.....	.....
—Imperial .....	.....	446	.....	.....	.....
—Wauneta .....	.....	447	.....	.....	.....
—Palisade	447	493
—Culbertson	396	447	493	647 688
—Hamlet	396	447	493	647 687
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		1933	1934	1933	1934
Gering Drain	396	447	494	648	688
Gering Waste			493		
Gering Canal Wasteway		448			
Gering Canal—Melbeta Drain		538			
Gering Canal—North Platte River		538	569	729	766
Gochnauer Canal—Big Bordeaux Creek			570		
Goose Creek			494		
Gordon Creek		448	494		
Gothenburg Diversion Canal—Platte River		539	570	730	766
Gothenburg Irrigation Canal—Platte River		539	570	730	767
Gothenburg Lateral—Platte River		539			
Gothenburg Power Waste		448	495	648	689
Gothenburg Waste into Buffalo Creek		448			
Government Springs—Ft. Robinson		448	495		
Graf Canal—Blue Creek		539	571	731	767
Gravel Creek (Sand)		449	495	649	689
Greenwood Creek		449	495		
Guernsey Reservoir (See North Platte River)					

H

Hackberry Lake—Cherry County		476			
Hackberry Lake—Garden County			527		
Haigler Canal—Republican River		540	571		
Hall Canal—White River		540	571		
Haney Canal—Lonergan Creek		540	571		
Hannah Canal—North Platte River		540	571	731	767
Harris-Cooper Canal—White River		540	571		
Harris-Neece Canal—Niobrara River		540	571		
Hartzell Canal—Little Bordeaux Creek		540	572		
Hat Creek			496		
High Line Canal—Jim Creek			572		
Hitshew Canal—Niobrara River			572		
Holcomb Canal—Pawnee Creek			572		
Hollingsworth Canal—South Platte River		541	572	731	768
Holloway-Phelps Canal—White Tail Creek		541	572	731	768
Hooper Canal—Blue Creek		541	573	732	768
Hoover Canal—Lodgepole Creek		541	573		
Horse Creek Canal—Horse Creek			573		
Horse Creek:					
—Parks		449	496		
—Lyman	397	449	496	649	690

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		1933	1934	1933	1934
Hughes Canal—Niobrara River			573		
Hurley-Lilly-Polly Canal—Lodgepole Creek		541	573	732	768

I

Independent Canal—Lodgepole Creek		541	573		
Indian Creek:					
—Max		450	497	650	
—Northport Wye		450	497		690
—Red Cloud		450	497		
Inman Canal—Frenchman River		542	573		
Interstate Canal—North Platte River				732	769
Island Lake			528		

J

Janssen Canal—Pawnee Creek			574		
Jenkins Canal—Buffalo Creek		542			
Jim Creek			497		
Johnson Canal—Lodgepole Creek			574		
Jordan Canal—Monroe Creek			574		

K

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Keith-Lincoln County Drain		450	498	650	691
Keith-Lincoln County Canal—North Platte River		542	575	733	769
Kent-Burke Canal—Pawnee Creek		542	575	733	770
Keystone Canal—White Tail Creek		542	575	733	770
Kilpatrick Canal—Frenchman River		543			
Kimball Canal—Oliver Reservoir				735	770
Kimball Canal, North Branch—Lodgepole Creek		543	575	734	
Kimball Canal, South Branch—Lodgepole Creek		543	575	734	
Kinney-Forsling Canal—Lodgepole Creek		543	575		771
Kinney-Ruttner Canal—Lodgepole Creek			575		
Knight-Miller Canal—Skunk Creek		543	576		
Kreuger Canal—Lodgepole Creek		543	576		
Kronberg Seep		469	518		

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L

	Gag- ing sta- tion	Measure- ments		Daily discharge	
		1933	1934	1933	1934
Lakes, Sand-hill:					
Blue			527		
Carnine		476			
Crescent (Storage, p. 760)		476	527		
East Valley		476			
Eli		476	527		
Hackberry—Cherry County		476			
Hackberry—Garden County			527		
Island			528		
Swan			528		
Thompson		476			
Labelle Canal—Niobrara River		544	576		
Lakatoh Canal—Niobrara River		544	576		
Lane Drain		450	498	651	691
Larabee Creek		451	498		
Last Chance Canal—Pumpkinseed Creek		544	576	735	771
Lawrence Fork		451			
Leander Creek		451	498		
Lewellen Drain		451	498	651	692
Lichte Canal—Niobrara River		544	576		
Lincoln County Drain No. 1		451	498	652	692
Lincoln County Drain No. 2		452	499	652	693
Lisco Canal—North Platte River		544	576		
Lisco Canal—Cold Water Creek and North Platte River			577	736	772
Lodgepole Creek	397	452	499	653	693
Logan Canal—North Platte River		544	577		
Lonergan Creek		456	502	654	694
Lonergan Canal—Lonergan Creek			577	736	772
Lost Creek—Colfax County			503		
Lost Creek—Deuel County		456	503	654	694
Loup River—Columbus	397	457	503		696
Loup River, Middle:					
—Sargent		456	504		
—Dunning			504		
—St. Paul	398	456	504	655	695
—Loup City			504		
—Boelus			504		

HYDROGRAPHICAL INDEX

	Gag- ing sta- tion	Measure- ments		Daily discharge	
		1933	1934	1933	1934
Loup River, North:					
—Taylor		457	504		
—St. Paul	398	457	504	655	695
Loup River, South:					
—Logan			503		
—Pleasanton			503		
—St. Michael			503		
Lyons Canal—North Platte River		544	577	736	772

M

McAuliffe Canal—Lodgepole Creek			577		
McCarthy Canal—White Tail Creek		545	577		772
McDonald Canal—Republican River			577		
McFarland Canal—White Clay Creek		545	578		
McGinley-Stover Canal—Niobrara River		545	578		
McGuire Slough		457	505		
McIntosh Canal—Lodgepole Creek		545	578		
McLaughlin Canal—Lodgepole Creek			578		
McLaughlin Canal—Niobrara River		545	578		
Maranville Canal—Frenchman River		545	578		
Medicine Creek		457	505		
Meeker Canal—Republican River		546	578	737	773
Meglemre Canal—Greenwood Creek		546	579		
Melbeta Drain		457	505	656	696
Meredith-Ammer Canal—Pumpkinseed Creek ...		546	579	737	773
Meridian Canal—Niobrara River		546	579		
Mettlen Canal—Niobrara River		546	579		
Midland-Overland Canal—North Platte River ...		546	579	737	773
Miller Canal (Knight)—Skunk Creek		547	579		
Minatare Canal—North Platte River		547	579	737	773
Minnechaduza Creek		458	505		
Mitchell Canal—Lodgepole Creek		547			
Mitchell Canal—North Platte River				738	774
Mitchell Factory Waste			505		697
Mitchell Spillway—Tri-State Canal		458	505	656	697
Moffat Drain			506		
Monroe Canal—Monroe Creek			580		
Monroe Creek			506		
Montague Canal—Niobrara River		547	580		
Montgomery Canal—Sow Belly Creek		547	580		

HYDROGRAPHICAL INDEX

	Gag- ing sta- tion	Measure- ments		Daily discharge	
		1933	1934	1933	1934
Moore Canal—Niobrara River		547	580	.....	.....
Morrill Drain		458	506	.....	.....
Mud (Muddy) Creek		458	506	.....	.....
Muddy Creek		458	507	.....	.....
Mutual Canal—Pumpkinseed Creek		547	580	738	774

N

Nasland Canal—Lodgepole Creek		548	.....	.....	.....
Neuman Canal—Lodgepole Creek		548	580	.....	.....
Newton Canal—North Loup River .....		.....	580	.....	.....
Nine Mile Canal—North Platte River		548	581	738	775
Nine Mile Canal—North Platte River and Nine Mile Drain .....		.....	.....	.....	774
Nine Mile Canal—Nine Mile Drain .....		.....	581	.....	775
Nine Mile Drain	399	460	507	657	698
Niobrara River:					
—Wyoming-Nebraska Line		460	507	.....	.....
—Harrison		459	507	.....	.....
—Agate		459	507	.....	.....
—Mouth of Whistle Creek		459	507	.....	.....
—Marsland		459	507	.....	.....
—Dunlap	399	459	508	657	699
—Gordon		459	508	.....	.....
—Valentine		458	508	.....	.....
—Below Valentine Dam		460	508	.....	.....
—Spencer .....		.....	.....	658	698
—Niobrara		460	508	.....	.....
Nissen Canal—Sand Creek		548	581	739	.....
Norman Canal—White River .....		.....	581	.....	.....
North Platte Canal—North Platte River		549	581	739	775
North Platte Canal Waste		460	509	.....	.....
North Platte River (See Platte Rivers)					
Northport Canal—North Platte River		549	582	.....	.....
Northport Canal—North Platte River and Drains .....		.....	.....	739	775
North River Canal—North Platte River		549	582	739	776

O

Oak Creek		461	509	.....	.....
Oasis Canal—Snake Creek		549	.....	.....	.....

HYDROGRAPHICAL INDEX

	Gag- ing sta- tion	Measure- ments		Daily discharge	
		1933	1934	1933	1934
Oliver Reservoir—Lodgepole Creek (Storage pp. 735-771)					
Orchard-Alfalfa Canal—Platte River		549	582	740	776
Oshkosh Canal—North Platte River		550	582	740	776
Oshkosh Drain					694
Otter Creek	399	461	509	658	699
Otter Creek Canal—Otter Creek		550	582	740	776
Owasco Canal—Lodgepole Creek		550	582	740	777
Ox Yoke Canal—Ash Creek, East Branch		550	582		

P

Paisley Canal—Blue Creek		550	583	741	777
Papillion Creek, Little (Cole Creek)		461	509		
Parks Canal—Rock Creek		550	583		
Pathfinder Reservoir (See Platte Rivers)					
Patrick Canal—Sand Creek		551		741	
Pawnee Creek		461	510	659	700
Paxton-Hershey Canal—North Platte River		551	583	741	777
Pepper Creek			510		
Persinger Canal—Lodgepole Creek		551			
Pine Creek		461	510		
Pioneer Canal—Niobrara River		551	583		
Platte Rivers:					
Platte River, North:					
—Into Pathfinder Reservoir	380			593	609
—Pathfinder (Storage, pp. 593, 608)					
—Outflow of Pathfinder				595	609
—Into Guernsey Reservoir	380			596	610
—Guernsey (Storage, pp. 595, 610)					
—Outflow of Guernsey Reservoir				596	611
—Whalen	381			597	611
—Torrington	381	404	416	597	612
—Henry	382	404	416	598	612
—Henry, South of			417		
....Tri-State Dam, below			417		
—Mitchell	383	405	417	598	613
—Minatare	383	406	418	599	613
—Bridgeport	384	406	419	599	614
—Lisco	385	407	420	600	614
—Oshkosh	386	408	420	600	615

HYDROGRAPHICAL INDEX

	Gag- ing sta- tion	Measure- ments		Daily discharge	
		1933	1934	1933	1934
Platte River, North—Continued					
—Lewellen		408	421	.....	.....
—Belmar			422	.....	.....
—Lemoyne			422	.....	.....
—Martin	386	408	422	.....	615
—Keith-Lincoln County Canal headgate..			423	.....	.....
—Sutherland		409	423	601	.....
—North Platte	387	409	423	601	616
Platte River, South:					
—Julesburg	388	409	424	606	616
—Ogallala	389	412	427	.....	.....
—North Platte	389	413	427	606	617
Platte River:					
—Brady Island			428	.....	.....
—Gothenburg		413	428	.....	.....
—Cozad		414	429	.....	.....
—Overton	390	414	430	607	617
—Grand Island	391	415	430	.....	618
—Duncan	391	415	431	607	618
—Ashland	392	415	431	608	619
Plum Creek		462	510	659	700
Porter Canal—Buffalo Creek		551	583	.....	.....
Premier Canal—Lodgepole Creek		551	583	.....	.....
Prouty Springs			510	.....	.....
Pumpkinseed Creek	399	462	510	660	701
R					
Radcliffe Canal—Cedar Creek				741	.....
Ramshorn Canal—North Platte River		552	584	742	777
Rasher Canal—White River		552	584	.....	.....
Raynor Simons Canal—White River			584	.....	.....
Red Willow Creek—Red Willow County		463	512	.....	.....
Red Willow Creek—Morrill County	400	463	512	660	701
Republican River:					
—Colorado-Nebraska Line	400	463	512	661	702
—Benkelman	400	464	513	661	.....
—Max	401	465	513	662	702
—Culbertson	401	464	513	662	703
—McCook		464	513	.....	.....
—Holbrook		465	514	.....	.....
—Oxford		465	514	.....	.....

HYDROGRAPHICAL INDEX

	Gag- ing sta- tion	Measure- ments		Daily discharge	
		1933	1934	1933	1934
—Bloomington	401	465	514	663	703
—Hardy	401	465	514	663	704
Riverside Canal—Frenchman River		552	584		
Roberts Canal—Dry Spotted Tail Creek			584		
Rock Creek		466	514	664	
Rock Ranch Creek			514		
Round House Rock Canal—Pumpkinseed Creek.. ..		552	584		
Rush Creek			515		
Rush Creek Canal—North Platte River		552		742	

S

Salt Creek			515		
Sand Creek		466	515	664	704
Sand-hill Lakes (See Lakes)					
Sarben Slough		466	515	665	705
Schermerhorn Canal—Red Willow Creek				742	778
Schlagel Creek		466	515		
Scottsbluff Drain No. 1		467	516	665	705
Scottsbluff Drain No. 2		467	516	666	706
Scout Creek		467	516		706
Scripter Canal—Clear Creek			584		778
Severns Pump—Frenchman River			585		
Shallenberger Canal—Frenchman River		552			
Sheep Creek	402	467	516	666	707
Sheldon Canal—East Ash Creek			585		
Shepherd Canal—Squaw Creek			585		
Sheridan-Wilson Canal—North Platte River		553	585	742	778
Short Line Canal—North Platte River		553	585	743	778
Simons Canal—Little Cottonwood Creek			585		
Signal Bluff Canal—North Platte River		553	585	743	779
Silver Creek			516		
Silvernail Drain		467	517	667	707
Six Mile Canal—Platte River		553	586	743	779
Skunk Creek		468	517	667	708
Skull Creek			517		
Slattery Canal—Chadron Creek			586		
Slattery Canal—Dead Horse Creek			586		
Snake Creek		468	517		
Snake River—Valentine		468	517		
Soldier Creek		468	517		

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	Gag- ing sta- tion	Measure- ments		Daily discharge	
		1933	1934	1933	1934
Soldier Creek Canal—Soldier Creek		555	586		
Sow Belly Canal—Sow Belly Creek			586		
Sow Belly Creek		468	518		
Spinar Springs			518		
Spohn Canal—North Platte River		553	586	743	779
Spotted Tail Creek, Dry		469	518	668	708
Spotted Tail Creek, Wet		469	518	668	709
Spring Creek Canal—Spring Creek			586		
Spring Creek		469	518	669	709
Squaw Creek		469	519		
Stafford Canal—Willow Creek		554	587		
Stewart Bros. Canal—Little Cottonwood Creek....		554	587		
Stewart-Golden Canal—Little Cottonwood Creek			587		
Stewart Drain		470	519		
Stinking Water Creek		470	520	669	
Strever Creek		470	520	670	710
Stuart Canal—Turkey Creek			587		
Stumph Canal—East Ash Creek			587		
Suburban Canal—North Platte River		554	587	744	780
Swan Lake			528		
Swim Canal—Chimney Creek			588		

T

Thirty Mile Canal—Platte River		554	588	744	780
Thirty Mile Canal Waste No. 1		471	520		
Thirty Mile Canal Waste No. 2		471	520		
Thomas Canal—East Ash Creek		554	588		
Thomas Canal—Big Bordeaux Creek		554	588		
Thompson Lake			528		
Timber Creek, Big		471	520		
Toohey Drain		471		671	710
Toohey Spillway—Tri-State Canal		471		671	711
Tracy Canal—Lodgepole Creek		554			
Tri-State Canal—North Platte River		555	588	745	781
Tri-State Canal, Lateral No. 1—North Platte River		555		746	781
Tri-State Canal, Lateral No. 2—North Platte River		555		746	781
Tri-State Canal, Lateral No. 3—North Platte River				746	782

HYDROGRAPHICAL INDEX

	Gag- ing sta- tion	Measure- ments		Daily discharge	
		1933	1934	1933	1934
Tri-State Canal—Sheep Creek		555	589	747	783
Tri-State Canal—Akers Draw		555		746	782
Tri-State Canal—Dry Spotted Tail Creek		556	589	747	783
Tri-State Canal—Wet Spotted Tail Creek		556	589	747	783
Tri-State Canal—Tub Springs		556	589	747	784
Tri-State Canal—Moffat Drain		556		748	782
Tri-State Canal—Alliance Drain		556		748	782
Tri-State Canal Waste into Red Willow Creek.....				670	
Trunk Butte Creek		472			
Tub Springs		472		672	711
Turkey Creek Canal—Turkey Creek			590		
Turkey Creek—Furnas County		472	522		
Turkey Creek—Keya Paha County			522		
Turkey Creek—Saline County			522		

U

Union Canal—Blue Creek		556	590	749	785
Union Creek			522		

V

Victoria Creek Canal—Victoria Creek			590		
Victoria Creek			522		

W

Wahoo Creek		473	522		
Walker Canal—Lodgepole Creek		557	590		
Warbonnett Canal—Warbonnett Creek			590		
Warbonnett Creek			523		
Warneke Canal—Niobrara River			590		
Wearin Canal—Lodgepole Creek			590		
Western Canal—South Platte River		557	591	749	785
Western Public Service Canal—Doris Lake			591		
Whistle Creek		473	523		
White Clay Creek		473	523		
White Horse Creek		474	523	672	712
Whiteman's Fork		473	525		
White River Canal—White River		557	591		
White River:					
—Chadron		402	474	524	673 713

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	Gag- ing sta- tion	Measure- ments		Daily discharge	
		1933	1934	1933	1934
—Whitney Dam		474	524		
—Crawford	402	474	524	673	712
—Mobley Pump			525		
—Rasher Dam			525		
White Tail Creek		475	525	674	713
Whitney Pipe Line—White River		557	591		
Whitney Reservoir—White River (Storage, pp. 751, 787)					
Wickersham Canal—Boggy Creek			591		
Willow Creek		475	525	674	714
Winters Creek	403	475	526	675	714
Winters Creek Canal—North Platte River		557	592	750	786
Winters Creek Canal—Winters Creek		558	592	750	786
Winters Creek Canal Lateral—Winters Creek ...		558	591		
Wolfe Canal—Lodgepole Creek		558			
Wood River:					
—Grand Island			526		
—Kearney			526		

Z

Zimmerman Canal—Sow Belly Creek		558	592		
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