STATE OF NEBRASKA

DEPARTMENT OF ROADS AND IRRIGATION

HYDROGRAPHIC REPORT
OF
BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE

1929 - 1932

THIRD HYDROGRAPHIC REPORT

OF THE

BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE

1929-32

TO THE

GOVERNOR OF NEBRASKA

Claflin Printing Company
Lincoln, Nebraska
1935

Lincoln, Nebraska,
June 25, 1935.

HONORABLE R. L. COCHRAN,
GOVERNOR OF NEBRASKA,
LINCOLN, NEBRASKA.

DEAR SIR:

I have the honor to submit the following Hydrographic Report of the Bureau of Irrigation, Water Power, and Drainage, covering the years 1929 to 1932 inclusive. This report is the third of a series, the first of which was published in 1914.

Respectfully submitted,

A. C. TILLEY,
State Engineer.

EXECUTIVES AND EMPLOYEES
of the
BUREAU OF IRRIGATION, WATER POWER, AND DRAINAGE
AND
COOPERATIVE ASSISTANTS OF THE UNITED STATES GEOLOGICAL SURVEY

For the Years 1929 to 1932, Inclusive

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Bridgeport, Nebraska,
June 25, 1935.

HONORABLE A. C. TILLEY,
STATE ENGINEER,
DEPARTMENT OF ROADS AND IRRIGATION,
LINCOLN, NEBRASKA.

DEAR SIR:

I have the honor to submit the Hydrographical Report of the Bureau of Irrigation, Water Power, and Drainage covering the years 1929 to 1932 inclusive, prepared under my direction.

The first Hydrographical Report covers the period prior to 1914, the second report covers the period from 1914 to 1928 inclusive, and this report covers the period from 1929 to 1932 inclusive. All future hydrographical data will be published in the Biennial Report.

Respectfully submitted,

R. H. WILLIS, CHIEF,
Bureau of Irrigation, Water
Power, and Drainage.

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INTRODUCTION

This hydrographical report covers the years 1929 to 1932 inclusive, and is designated as a supplemental report to fill in the break of the published reports from 1895 to 1932 inclusive. Beginning with the year 1933, all hydrographical data will be included in the State Engineer's Biennial Reports.

Available hydrographical data prior to 1914 were published, but the reports are now out of print. Data acquired from 1914 to 1928 are published, and a supply of the reports is still available for distribution. This supplemental report contains hydrographical data acquired from 1929 to 1932 inclusive.

Additional data are made possible in this report by a cooperative contract with the United States Geological Survey.

Beginning with the year 1931 of this report, hydrographical data are being shown by water year (ending September 30), instead of the calendar year as has been the practice in the past. In making this change there will be a duplication or an overlap for the months of October, November, and December, 1930. In the future all data will be published by water year.

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.

DISTANCE FROM RESERVOIR—About one-quarter mile.

DRAINAGE AREA—10,700 square miles.

ELEVATION OF OVERFLOW WEIR—5852.00 feet mean sea level.

RECORDS AVAILABLE—May 1, 1909, to September 30, 1932.

GAGE—Chain at north bank near foot bridge.

CHANNEL—Very narrow and through solid granite.

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

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. It is about one and one-half miles northwest of the town of Guernsey, Wyoming. The dam is 192 miles below the Pathfinder Dam. Height 105 feet above river bed and 500 feet in length.

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.

NORTH PLATTE RIVER AT WHALEN, WYOMING

LOCATION—Section 11, Township 26 North, Range 65 West.

DISTANCE FROM PATHFINDER—200 miles.

DRAINAGE AREA—16,300 square miles.

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

RECORDS AVAILABLE—May 1, 1909 to September 30, 1932.

GAGE—The discharges over the weir are determined by use of a vertical staff and computed by weir formula. In addition to this

NORTH PLATTE RIVER AT WHALEN, WYOMING—Continued

there are also sluice gates through which the discharge is computed. Usually the Ft. Laramie Canal carries water the year around 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. The weir is constructed of concrete three hundred feet in length, and twelve and one-half feet in height above the river bed.

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

NORTH PLATTE RIVER AT TORRINGTON, WYOMING

LOCATION—Concrete highway bridge consisting of six fifty foot spans, about one-half mile south of Torrington. In Section 15, Township 24 North, Range 61 West; twenty-five miles below the mouth of the Laramie River.

DISTANCE FROM PATHFINDER—230 miles.

DRAINAGE AREA—21,700 square miles.

ELEVATION—Approximately 4180.00 feet above mean sea level.

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

RECORDS AVAILABLE—April 1, 1926, to September 30, 1932.

GAGE—On October 6, 1931, a new gage graduated from 0 to 3.3 feet, and two one foot sections attached to a 2" x 6" plank bolted to down-stream end of the second pier from south end of bridge, was set to read same as old gage on piling number nine. It was later found by levels to be 0.10 lower than the old gage.

RECORDER—Stevens Type A continuous recorder, installed on south bank by the United States Geological Survey cooperating with the State of Nebraska. Records are removed by a United States Geological Survey hydrographer.

NORTH PLATTE RIVER AT HENRY, NEBRASKA
(Cable Station)

LOCATION—In NE¼ of Section 10, Township 23 North, Range 60 West, between the Mitchell Canal and the Gering Canal headgates, about one-fourth mile west of the Wyoming-Nebraska State Line.

DISTANCE FROM PATHFINDER—240 miles.

DRAINAGE AREA—22,100 square miles.

ELEVATION—Approximately 4035.00 feet above mean sea level.

BENCH MARKS—No. 1 is top of bolt in concrete on top of the tower anchorage, on the south bank of the river. Elevation 5.04 feet.

RECORDS AVAILABLE—From May 1, 1929, to September 30, 1932.

GAGE—Boxed cantilever chain gage on south bank. Scale graduated from zero to six and seven-tenths feet. Length of chain 16.44 feet. Stevens continuous gage height recorder installed in housing over a stilling well near the gage rod, November 6, 1929. On April 16, 1932, the recorder was moved to the north bank near the north cable tower.

RECORDER—Stevens Type A continuous recorder, installed in a housing on the north bank of the river, by the United States Geological Survey cooperating with the State of Nebraska. Records removed by United States Geological Survey hydrographer.

NORTH PLATTE RIVER AT MITCHELL, NEBRASKA

LOCATION—At highway bridge near southwest corner of Section 27, Township 23, North, Range 56 West. Three-quarters of a mile south of Mitchell, and 14 miles down-stream from the Wyoming-Nebraska State Line.

DISTANCE FROM PATHFINDER—253 miles.

DRAINAGE AREA—24,400 square miles.

ELEVATION—Approximately 3945.00 feet above mean sea level.

BENCH MARKS—No. 1 is cross chiseled in concrete near corner of ledge at approximately floor level on down-stream side and at end of south down-stream wingwall. Elevation 11.39 feet. No. 2 is the heads of 2 spikes driven horizontally in 18" cottonwood, near base, 200 feet down-stream from bridge, and 10 feet from south bank. Elevation 6.15 feet.

RECORDS AVAILABLE—From June 2, 1901, to July 10, 1913, and from 1916 to September 30, 1932.

GAGE—Vertical staff gage consisting of six one foot enamel sections attached to scantling fastened on down-stream side of first pier from south end of bridge, by two one-half inch lag screws, 24 inches long in expansion shields.

RECORDER—Stevens Type A continuous recorder, installed in a housing constructed over the stilling well located on the south bank of the river, about 50 feet east of the south end of the concrete bridge. Records removed by United States Geological Survey hydrographer.

NORTH PLATTE RIVER AT MINATARE, NEBRASKA

LOCATION—West line of Section 18, Township 21 North, Range 52 West, one mile west and one and one-half miles south of Minatare. Concrete bridge consisting of twelve fifty-foot arches.

DISTANCE FROM PATHFINDER—270 miles.

DRAINAGE AREA—24,700 square miles.

ELEVATION——Approximately 3820.00 feet above mean sea level.

BENCH MARKS—Zero point of gage is 13.5 feet below top of hand rail above gage. Cross chiseled in concrete near corner of ledge about one foot above floor level, and on down-stream side at end of south wingwall. Elevation 11.68. No. 2 is head of spike driven horizontally in blaze near base of six inch cottonwood tree, 25 feet down-stream. Elevation 4.25 feet.

RECORDS AVAILABLE—From May, 1916, to September 30, 1932, with the exception of the year 1920.

GAGE—Vertical staff fastened to the second concrete pier from south end of bridge on down-stream side.

RECORDER—Stevens Type A continuous recorder in standard wooden shelter, on the south bank east of bridge. Installed by the United States Geological Survey cooperating with the State of Nebraska. Records removed by United States Geological Survey hydrographer.

NORTH PLATTE RIVER AT BRIDGEPORT, NEBRASKA

LOCATION—In Section 28, Township 20 North, Range 50 West, one-half mile north of Bridgeport, on concrete highway bridge, consisting of twenty-three spans of thirty foot clear water way.

DISTANCE FROM PATHFINDER—293 miles.

DRAINAGE AREA—24,800 square miles.

ELEVATION—Approximately 3675.00 feet above mean sea level.

BENCH MARKS—No. 1 is head of two spikes driven horizontally in cottonwood tree in blaze near base, 20 feet down-stream from gage. Established October 17, 1931. Elevation 9.02 feet. No. 2 is cross on the top of the southeast concrete abutment at the end of the hand rail. Elevation 15.62 above zero of gage.

RECORDS AVAILABLE—From May, 1902, to 1906, and 1915 to September 30, 1932.

GAGE—Consists of six one foot sections of enamel scale bolted to concrete on down-stream side of south abutment.

OBSERVER—Office Engineer during freezing weather.

RECORDER—Stevens Type A long distance automatic recorder

placed in housing over stilling well constructed on south bank of river, and attached to abutment wing of wood piling and planking.

NORTH PLATTE RIVER AT LISCO, NEBRASKA

LOCATION—Highway bridge in Section 33, Township 18 North, Range 46 West, half a mile south of Lisco.

DISTANCE FROM PATHFINDER—321 miles.

DRAINAGE AREA—

ELEVATION—Approximately 3540.00 feet above mean sea level.

BENCH MARKS—No. 1 is a cross chiseled in concrete near corner of bridge seat at down-stream side of south abutment. Elevation 8.68 feet. No. 2 is top of pier directly above staff gage. Elevation 8.84 feet above zero of gage.

RECORDS AVAILABLE—From April 10, 1916, to October 31, 1917, and September 9, 1931, to September 30, 1932.

GAGE—A vertical staff attached to south side of corrugated iron stilling well, which is located on the first pier from south end of bridge on down-stream side.

RECORDER—Stevens Type A-30 continuous recorder, installed May 4, 1932, in corrugated iron shelter attached to down-stream side of pier from south end of bridge. Installed by the United States Geological Survey cooperating with the State of Nebraska. Records are removed by a United States Geological Survey hydrographer.

NORTH PLATTE RIVER AT OSHKOSH, NEBRASKA

LOCATION—Steel truss bridge consisting of seven ninety-eight foot spans, on the west line of Section 2, Township 16 North, Range 44 West, about one mile south of Oshkosh.

DISTANCE FROM PATHFINDER—348 miles.

DRAINAGE AREA—27,500 square miles.

ELEVATION—Approximately 3370.00 feet above mean sea level.

BENCH MARKS—The zero point of gage is 9.05 feet below top of concrete pier directly above the gage.

RECORDS AVAILABLE—From April 7, 1916, to October 30, 1917, and from March 1, 1928, to September 30, 1932.

GAGE—Enamel vertical staff graduated from zero to 6.7 feet, attached to a 2″ x 6″ timber, fastened to down-stream side of first pier from the north end of bridge.

OBSERVER—Donald Meier, Oshkosh, Nebraska.

NORTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

LOCATION—Concrete highway bridge consisting of 14 spans, one-half mile north of the City of North Platte, in Section 28, Township 14 North, Range 30 West, about four and one-half miles above junction with the South Platte River.

DISTANCE FROM PATHFINDER—422 miles.

DRAINAGE AREA—28,500 square miles.

ELEVATION—Approximately 2800.00 feet above mean sea level.

BENCH MARKS—Top of nose of pier on west side of bridge 360 feet from south end of bridge. Elevation 11.47 feet.

RECORDS AVAILABLE—February 25, 1895, to September 30, 1932, excepting the year 1910.

GAGE—Four and one-half foot vertical staff gage fastened to the first pier from the south end of the bridge on the down-stream side.

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

RECORDER—Stevens Type A continuous recorder, located on down-stream end of first pier from south end. Records removed by State hydrographer.

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

LOCATION—South of Julesburg and approximately two miles from the Nebraska-Colorado Line. The river is divided into four channels, numbered one, two, three and four, beginning with the south channel. Channels one and two are the principal channels. Channels three and four carry no water of consequence except during the flood periods. During floods the four channels become one channel.

DRAINAGE AREA—20,600 square miles.

ELEVATION—Approximately 3450.00 feet above mean sea level.

BENCH MARKS—

RECORDS AVAILABLE—April, 1902, to November 14, 1906; May 12, 1908, to September 30, 1914; January 1, 1923, to September 30, 1932.

GAGES—All channels are provided with chain gages on the down-stream side of the bridge. Channels one and two are provided with staff gages. Channel number one has a vertical staff, and channel number two a sloping staff.

OBSERVER—Archie Joe Luxa, Julesburg, Colorado.

RECORDERS—Nebraska maintains a Stevens Type A continuous automatic recorder in channel number one, and Colorado maintains a Briston automatic recorder in channel number two. Records removed by State hydrographer.

SOUTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

LOCATION—Concrete bridge consisting of 10 spans, 50 feet each, in Section 9, Township 13 North, Range 30 West, about four miles above its junction with the North Platte River.

DRAINAGE AREA—24,300 square miles.

ELEVATION—Approximately 2800.00 feet above mean sea level.

BENCH MARKS—Elevation of handrail northeast corner of bridge, 109.58, elevation of zero of rod 93.48. Elevation of spike in fifth telephone pole on north side of river 98.80.

RECORDS AVAILABLE—From June 1, 1914, to September 30, 1932.

GAGE—Enamel scale graduated from zero to 6.7 feet, fastened to down-stream end of first pier from south end of bridge.

PLATTE RIVER AT OVERTON, NEBRASKA

LOCATION—Concrete highway bridge, consisting of 25 spans, 35.5 feet center to center, four miles south of Overton, on north and south center line through Section 12, Township 8 North, Range 20 West.

DISTANCE FROM PATHFINDER—490 miles.

DRAINAGE AREA—58,400 square miles.

ELEVATION—Approximately 2320 feet above mean sea level.

BENCH MARKS—No. 1 is top of concrete wheel guard on up-stream side at north end of bridge, elevation 12.00 feet.

RECORDS AVAILABLE—June, 1918, to September 30, 1932, with the exception of the year 1924.

GAGE—Gage rod is fastened to a 4″ x 6″ x 4′ staff, wired to first pier of bridge from north end on down-stream side. The elevation of zero is 88.00 feet. The top of the post to which gage is attached is 91.95; top of concrete wheel guard on west side of bridge at north end is 100.00 feet. Second enamel gage graduated from zero to 6.70 is attached to down-stream end of first pier from south end of highway bridge.

OBSERVER—E. D. Long, Overton, Nebraska.

RECORDER—Stevens Type A continuous recorder on south bank of stream, 40 feet down-stream from bridge. The record is referred to gage rod attached to first pier from north end of bridge. Records removed by State hydrographer.

PLATTE RIVER AT DUNCAN, NEBRASKA

LOCATION—About one and a half miles due south of Duncan on highway, in Section 12, Township 16 North, Range 2 West, on concrete bridge consisting of 18 spans, fifty feet between piers.

DISTANCE FROM PATHFINDER—632 miles.

DRAINAGE AREA—61,600 square miles.

ELEVATION—Approximately 1480.00 feet above mean sea level.

BENCH MARKS—No. 1 is on top of old engine valve set flush with top of first pier from left end near up-stream point. Elevation 12.80 feet above zero of rod.

RECORDS AVAILABLE—From October, 1928, to September 30, 1932.

GAGE—One 10.10 foot porcelain gage rod, fastened to a 4" x 6" timber bolted to first concrete pier south of north abutment on down-stream side.

REMARKS—This station is maintained in cooperation with the United States Geological Survey.

PLATTE RIVER AT ASHLAND, NEBRASKA

LOCATION—In Section 29, Township 13 North, Range 10 East, at highway bridge three miles northeast of Ashland. Bridge consists of six steel spans.

DISTANCE FROM PATHFINDER—719 miles.

DRAINAGE AREA—83,800 square miles.

ELEVATION—Approximately 1100.00 feet above mean sea level.

BENCH MARKS—No. 1 is two spikes driven into a 24 inch cottonwood tree located just back of levee on right bank. The tree is the one nearest to bridge on down-stream side. Sea level elevation of bench mark No. 1 is 1028.37 feet. Zero of gage rod is 1020.10 feet.

RECORDS AVAILABLE—Station established by the United States Geological Survey August 20, 1928. Records available from August, 1928, to September 30, 1932.

GAGE—A box chain gage bolted to a 4" x 6" timber ten feet in length. Fastened to down-stream edge of bridge floor in the second span from the right bank of river. An enamel scale graduated from zero to 8.5 feet is fastened to the top of the 4" x 6" timber.

REMARKS—New highway bridge constructed in 1931 east of the C. B. & Q. Railroad bridge in Sections 29 and 32, Township 13 North, Range 10 East. The old bridge is in the process of removal, which will necessitate the selection of a new gaging station the coming year (1933).

ACTUAL DISCHARGE MEASUREMENTS ON THE NORTH PLATTE SOUTH PLATTE AND PLATTE RIVERS

Year of 1929

NORTH PLATTE RIVER AT TORRINGTON, WYOMING

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
1-11	C. E. Franklin	223	3.15	1.50	697.0
1-30	do	282	2.26	1.57	638.0
2-15	A. W. Hall	240	3.10	1.40	745.0
3-2	C. E. Franklin	196	2.88	1.32	566.0
3-19	do	762	3.15	2.49	2386.0
4-18	A. W. Hall	820	2.66	2.26	2181.0
5-8	do	922	3.19	2.05	2943.0
5-20	do	1548	4.02	3.17	6217.0
6-2	do	2618	5.50	6.19	14166.0
6-13	do	2115	5.10	5.25	10760.0
7-3	do	1515	3.90	3.15	5905.0
7-12	do	1044	2.97	1.95	3073.0
7-24	do	1346	1.76	1.60	2371.0
8-16	do	972	2.39	1.59	2327.0
8-30	do	936	2.72	1.63	2551.0
9-14	do	1008	2.41	1.46	2434.0
10-10	do	626	1.99	.75	1244.0
12-18	A. E. Johnston	509	2.20	.70	1123.0

NORTH PLATTE RIVER AT INTERSTATE STATION AT HENRY, NEBRASKA

(Nebraska Measurements)

5-21	A. W. Hall	1567	2.98	3.38	4678.0
6-13	do	2569	4.19	4.77	10717.0
7-3	do	1734	3.38	3.28	5862.0
7-12	do	1037	2.75	2.32	2855.0
7-24	do	770	3.98	2.00	2070.0
8-10	do	808	2.65	2.10	2138.6
10-10	do	756	2.20	1.84	1662.0
11-4	A. E. Johnston	566	2.22	1.60	1254.0
12-7	C. E. Franklin	402	1.99	1.42	802.0
12-18	A. E. Johnston	490	2.25	1.58	1010.0

NORTH PLATTE RIVER AT INTERSTATE STATION AT HENRY, NEBRASKA

(Wyoming and U. S. G. S. Measurements)

5-14	U. S. G. S.	.....	.....	3.20	3890.0
5-18	do	.....	.....	3.72	5600.0
6-4	J. A. Keimig	.....	.....	5.52	13290.0
6-17	U. S. G. S.	.....	.....	4.92	12300.0
6-21	F. M. Roush	.....	.....	4.26	7917.0
7-1	Eisenhuth and Roush	1820	3.06	3.25	5570.0
7-10	P. V. Hodges	1390	3.69	3.12	5130.0
7-23	F. M. Roush	771	2.49	1.93	1918.0
7-25	F. F. Le Fever	969	2.61	2.24	2530.0
8-13	H. P. Eisenhuth	978	2.53	2.40	2480.0
8-28	R. E. Cabell	920	2.50	2.30	2300.0
9-10	F. M. Roush	1135	2.40	2.59	2724.0
10-4	H. P. Eisenhuth	763	.....	2.01	1510.0
10-11	F. M. Roush	.....	.....	1.74	1190.0
11-3	Paul V. Hodges	434	.....	1.54	1010.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1929—Continued

NORTH PLATTE RIVER AT MITCHELL, NEBRASKA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-8	C. E. Franklin	510	1.96	1.22	997.0
1-30	do	382	1.77	1.66	677.0
2-14	do	461	2.08	1.60	976.0
3-3	do	488	2.27	1.52	1110.2
3-17	do	1081	2.50	1.95	2713.0
4-18	A. W. Hall	1006	2.14	1.77	2160.0
5-7	do	1106	2.26	2.03	2498.0
5-21	do	1814	3.01	2.95	5460.0
6-3	do	4097	4.04	5.25	16493.0
6-12	do	2902	3.76	4.15	10939.0
7-2	do	1465	3.28	2.50	4816.0
7-12	do	796	2.13	1.70	1696.0
7-19	do	840	2.42	1.66	2030.0
7-24	do	365	2.19	1.08	800.0
8-6	do	496	2.39	1.11	1186.0
8-11	do	385	2.20	.83	850.0
8-23	do	385	2.21	.96	852.0
9-13	do	1009	2.47	1.75	2498.0
10-9	do	851	2.40	1.70	2037.0
11-7	A. E. Johntson	720	------	1.45	1783.0
12-7	C. E. Franklin	639	2.24	1.38	1431.0
12-18	A. E. Johnston	660	2.18	1.40	1437.0

NORTH PLATTE RIVER AT MINATARE, NEBRASKA

1-11	C. E. Franklin	770	1.82	1.68	1398.0
1-24	do	430	1.26	1.80	542.0
2-2	do	619	1.68	2.20	1035.0
2-15	A. W. Hall	------	------	2.30	------
2-21	C. E. Franklin	528	2.12	2.46	1118.0
3-16	do	938	2.29	1.50	2156.0
4-19	do	1096	2.42	1.70	2666.0
5-6	A. W. Hall	1233	2.31	1.85	2844.0
5-23	do	1791	3.04	2.10	4164.0
6-1	do	3003	4.06	3.70	12300.0
6-4	do	3623	4.45	4.35	16109.0
6-11	do	2903	3.75	3.35	10970.0
7-2	do	1510	2.98	1.90	4505.0
7-11	do	1164	2.23	1.40	2600.0
7-24	C. E. Franklin	664	1.72	.70	1149.0
8-11	A. W. Hall	660	1.97	.90	1309.0
9-5	do	800	2.22	1.20	1777.0
9-13	do	1320	2.73	1.80	3600.0
10-8	do	1115	2.14	1.45	2390.0
11-8	A. E. Johnston	1002	------	1.45	2135.0
12-4	C. E. Franklin	806	2.20	1.40	1781.0
12-17	A. E. Johnston	799	2.42	1.30	1926.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1929—Continued

NORTH PLATTE RIVER AT BRIDGEPORT, NEBRASKA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-12	C. E. Franklin	1312	1.68	6.72	2203.0
1-25	do	578	1.60	6.77	925.0
2-3	do	1035	1.35	6.90	1399.0
2-22	do	879	2.02	6.86	1774.0
3-14	do	501	1.76	5.35	884.0
3-20	A. W. Hall	1414	2.50	6.35	3540.0
4-16	do	1121	2.16	6.20	2423.0
5-3	do	1405	2.10	6.29	2995.0
5-16	do	1760	2.46	6.70	4335.0
5-31	do	2984	3.21	7.66	9610.0
6-3	C. E. Franklin	5133	3.94	8.86	20217.0
6-18	A. W. Hall	3524	3.45	7.62	12127.0
6-28	do	1833	2.56	6.30	4726.0
7-8	do	1776	2.48	6.10	4420.0
7-15	do	1347	2.06	5.74	2775.0
7-23	do	951	2.18	5.56	2074.0
7-24	C. E. Franklin	718	1.93	5.45	1388.0
8-13	A. W. Hall	901	1.54	5.45	1390.0
8-22	C. E. Franklin	992	1.62	5.51	1611.0
9-12	A. W. Hall	1783	2.60	6.48	4568.0
10-7	do	1407	2.37	6.13	3351.0
11-12	A. E. Johnston	2147	1.10	6.08	2366.0
12-7	A. W. Hall	979	2.36	6.00	2305.0

NORTH PLATTE RIVER AT OSHKOSH, NEBRASKA

1-19	A. E. Johnston	----	----	2.60	----
2-11	A. W. Hall	886	1.54	2.80	1370.0
2-14	do	1293	2.20	3.00	2426.0
3-8	do	1667	2.18	3.35	3620.0
3-29	do	1170	2.71	2.05	3169.0
4-2	A. E. Johnston	1167	2.51	2.00	2945.0
4-26	do	1690	2.77	2.35	4692.0
5-23	do	1948	3.24	2.60	6312.0
6-4	C. E. Franklin	3551	5.07	4.15	17977.0
6-15	A. E. Johnston	2975	3.92	3.30	11637.0
6-25	do	2172	3.67	2.75	7988.0
7-9	A. W. Hall	1311	2.80	1.85	3675.0
7-20	A. E. Johnston	1089	2.08	1.50	2271.0
7-23	do	----	----	1.55	----
7-26	A. W. Hall	618	1.99	1.28	1235.0
8-2	do	1007	2.20	----	----
8-14	C. E. Franklin	610	2.05	1.25	1255.6
8-28	A. W. Hall	734	2.22	1.52	1631.0
9-7	A. E. Johnston	1245	2.65	2.05	3300.8
9-20	A. W. Hall	1343	2.60	2.20	3503.0
10-4	A. E. Johnston	2180	3.27	2.80	7117.0
10-21	A. W. Hall	1109	2.41	1.75	2670.0
11-13	A. E. Johston	1089	2.75	2.10	2987.0
11-30	do	1460	2.58	2.65	3758.0
12-16	do	1234	2.27	2.55	2803.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1929—Continued

NORTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
1-7	A. E. Johston	806	1.81	4.75	1458.0
1-17	do	773	3.00	4.20	2313.0
2-11	do	865	2.76	4.40	2522.0
3-6	do	1385	2.40	4.75	3324.0
3-27	do	1592	2.75	3.90	4385.0
4-4	do	1357	2.70	3.55	3662.0
4-23	do	1658	3.15	4.00	5227.0
5-20	do	1656	2.96	3.90	4899.0
6-5	C. E. Franklin	4209	4.95	6.00	20875.0
6-12	A. E. Johnston	3059	3.52	4.60	10844.0
6-28	do	2172	3.36	3.90	7279.0
7-17	do	1022	2.39	3.00	2449.0
7-24	do	1127	2.39	3.20	2700.0
7-30	do	549	2.27	2.55	1247.0
8-1	do	818	2.16	2.90	1772.4
8-6	do	816	1.85	2.70	1511.0
8-7	do	------	------	2.75	------
8-11	do	------	------	------	.0
8-12	do	791	1.59	2.70	1261.0
8-13	do	------	------	2.52	------
8-14	do	459	2.14	2.58	986.0
8-19	do	689	2.09	2.90	1440.0
8-23	do	818	1.85	3.00	1521.0
8-29	do	685	1.90	2.80	1298.0
9-4	do	104	2.50	3.35	2603.0
10-2	do	1359	2.66	3.70	3621.0
11-16	do	1146	2.54	3.50	2910.0
11-27	do	651	2.91	3.60	1896.0
12-13	do	1319	2.52	3.75	3338.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 1

1-16	C. E. Franklin	159	1.17	3.12	185.0
2-16	do	96	2.05	3.78	197.0
3-11	do	149	2.48	2.35	370.0
3-21	do	115	2.31	2.18	266.0
5-3	do	240	2.60	2.90	626.0
5-17	do	78	2.06	1.80	160.0
5-29	do	18	1.51	1.15	27.0
6-14	do	7	1.31	.98	10.0
6-27	do	5	1.62	.90	8.0
7-1	do	6	1.15	------	7.0
7-11	do	5	1.18	.95	6.0
7-15	do	7	1.43	1.05	11.0
8-10	do	2	.93	.95	2.6
8-21	do	3	.90	.85	2.7
8-31	do	81	1.17	.83	3.5
9-17	do	3	2.27	1.98	185.3
11-15	do	79	2.22	1.83	177.0
11-27	do	91	2.32	1.95	211.0
12-15	do	104	2.24	2.00	233.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1929—Continued

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 2

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-16	C. E. Franklin	180	1.85	2.42	332.0
2-16	do	259	2.19	4.15	568.0
3-11	do	266	2.38	2.90	634.0
3-21	do	260	2.04	2.90	534.0
5-3	do	431	2.54	3.49	1095.0
5-17	do	109	2.20	2.22	240.0
5-29	do	25	1.48	1.30	38.0
6-14	do	12	1.12	1.14	13.0
6-27	do	10	1.23	1.11	13.0
7-1	do	9	1.26	1.10	12.0
7-11	do	7	1.65	1.11	12.0
7-15	do	8	1.65	1.13	13.0
8-10	do	10	1.54	1.08	15.0
8-20	do	13	1.63	1.07	21.0
9-17	do	144	2.27	2.22	329.1
8-31	do	11	1.68	1.06	19.5
11-15	do	194	1.92	2.24	374.0
11-27	do	232	2.36	2.61	550.0
12-15	do	209	1.97	2.50	413.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 3

1-16	C. E. Franklin	11	1.36	2.60	14.0
2-16	do	41	2.10	4.45	87.0
3-11	do	35	2.06	------	72.0
3-21	do	24	2.07	3.00	50.0
5-3	do	62	2.78	3.50	171.0
5-17	do	14	1.20	2.70	17.0
5-29	do	9	1.77	2.70	16.0
6-14	do	7	1.10	2.50	8.0
6-27	do	5	1.00	2.50	5.0
7-1	do	4	1.08	2.50	4.0
7-11	do	4	.92	2.60	4.0
7-15	do	7	1.04	2.65	7.0
8-10	do	----	------	1.90	------
8-21	do	—	------	2.00	.0
8-31	do	----	------	2.00	.0
9-17	do	20	1.14	3.10	22.9
11-15	do	19	1.53	2.90	29.0
11-27	do	21	1.61	3.20	33.0
12-15	do	17	1.53	3.00	26.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 4

1-16	C. E. Franklin	—	------	3.10	3.0
2-16	do	21	1.57	3.60	33.0
3-11	do	10	.96	3.70	10.0
3-21	do	9	1.55	3.50	14.0
5-3	do	46	1.23	3.90	56.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1929—Continued

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 4—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-17	C. E. Franklin	—	.....	3.20	3.0
5-29	do	—	.....	3.10	2.0
6-14	do	—	.....	2.90	.3
6-27	do	—	.....	3.00	.3
7-1	do	—	.....	3.00	.3
7-11	do	—	.....	3.00	.3
7-15	do	—	.....	2.90	.2
8-10	do	—	.....	2.90	.1
8-21	do	—	.....	2.90	.3
8-31	do	—	.....	2.90	.3
9-17	do	—	.....	3.20	1.0
11-15	do	—	.....	3.10	1.5
11-27	do	4	1.11	3.30	4.0
12-15	do	—	.....	.....	3.0

SOUTH PLATTE RIVER AT OGALLALA, NEBRASKA

1-4	A. E. Johnston	.....	.....	4.30	.....
2-12	do	.....	.....	4.50	.....
3-7	do	.....	.....	5.00	.....
3-28	do	428	2.62	3.20	1124.0
4-3	do	462	2.33	3.20	1076.0
4-25	do	499	2.64	3.30	1320.0
5-22	do	178	1.81	2.60	321.0
6-14	do	37	1.68	.75	63.0
6-26	do	21	1.34	1.50	29.0
7-19	do	4	.97	1.45	4.0
7-23	do	20	4.25	2.05	87.0
9-5	do	12	1.07	1.55	13.0
10-3	do	34	1.51	.....	51.0
11-14	do	24	2.35	.....	573.0
12-13	do	565	2.00	.....	1131.0
12-14	do	438	2.48	.....	1087.0

SOUTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

1-7	A. E. Johnston	111	2.35	2.60	261.0
1-17	do	99	2.46	2.80	244.0
2-11	do	.....	.....	4.10	.....
2-19	do	229	2.22	3.80	511.0
3-6	do	.....	.....	4.30	.....
3-26	do	490	2.32	2.50	1141.0
4-4	do	434	2.12	2.60	926.0
4-24	do	480	2.16	2.70	1036.0
5-20	do	253	1.85	2.30	468.0
6-5	C. E. Franklin	73	1.01	1.75	75.0
6-12	A. E. Johnston	.....	.....	1.40	25.0
7-17	do	.....	.....	1.25	2.0
7-25	do	.....	.....	.90	.....
7-30	do	.....	.....	.....	.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1929—Continued

SOUTH PLATTE RIVER AT NORTH PLATTE—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
8-6	A. E. Johnston	----	----	----	2.0
8-13	do	----	----	----	10.0
8-23	do	----	----	1.45	20.0
8-27	do	----	----	1.50	30.0
8-28	do	----	----	1.50	30.0
9-4	do	----	----	1.55	40.0
10-1	do	57	1.32	1.75	76.0
10-29	do	90	1.70	2.00	153.0
11-15	do	384	1.82	2.50	700.0
11-27	do	269	1.64	2.35	444.0

PLATTE RIVER AT GOTHENBURG, NEBRASKA

8-14	A. E. Johnston	118	1.57	----	185.0
8-20	do	466	2.21	----	1032.0
8-23	do	353	2.36	----	835.0
8-27	do	427	2.16	----	926.0

PLATTE RIVER AT COZAD, NEBRASKA

7-29	A. E. Johnston	----	----	----	75.0
7-30	do	50	2.33	----	118.0
8-2	do	147	1.17	----	174.0
8-4	do	74	1.33	----	99.0
8-10	do	----	----	----	25.0
8-12	do	----	----	----	20.0
8-17	do	----	----	----	14.0
8-24	do	----	----	----	220.0
8-26	do	----	----	----	55.0

PLATTE RIVER AT OVERTON, NEBRASKA

1-8	A. E. Johnston	----	----	4.60	----
1-16	do	----	----	4.45	----
2-7	do	----	----	4.65	----
2-21	do	1490	2.38	5.00	3562.0
3-4	do	2002	2.45	5.35	4938.0
3-25	do	2037	2.86	3.80	5820.0
4-8	do	1623	2.32	3.55	3775.0
4-22	do	1562	2.86	3.65	4479.0
5-17	do	2075	2.85	3.90	6069.0
6-6	C. E. Franklin	4792	3.70	5.50	17764.0
6-10	A. E. Johnston	3691	3.64	4.60	13442.0
6-29	do	2296	2.84	3.70	6510.0
7-15	do	1108	2.13	3.05	2361.0
7-25	do	216	1.52	2.20	330.0
7-29	do	152	1.72	2.10	262.0
8-3	do	----	----	----	100.0
8-4	do	3	1.03	1.25	3.2
8-9	do	----	----	1.18	2.0
8-22	do	----	----	----	.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1929—Continued

PLATTE RIVER AT OVERTON, NEBRASKA—Continued

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
9-2	A. E. Johnston	------	------	------	.0
9-30	do	1480	2.20	3.35	3252.0
10-28	do	1256	2.44	3.45	3068.0
11-18	do	1424	2.57	3.65	3665.0
11-26	do	------	------	4.05	------
12-10	do	------	------	5.00	------

PLATTE RIVER SOUTH OF ELM CREEK, NEBRASKA

7-30	A. E. Johnston	12	0.91	------	11.0

PLATTE RIVER AT DUNCAN, NEBRASKA

1-11	A. E. Johnston	------	------	3.40	------
2-1	do	------	------	3.05	------
2-23	do	1307	2.15	4.55	2810.0
3-20	do	1972	2.82	2.75	5140.0
4-13	do	1459	2.64	2.90	3844.0
5-9	do	2327	2.88	3.35	6710.0
6-5	do	1932	2.56	2.95	4943.0
6-9	C. E. Franklin	3592	3.96	4.40	13854.0
6-9	do	4586	4.20	4.95	19310.0
7-6	A. E. Johnston	1579	2.38	2.65	3750.0
7-26	do	374	1.24	1.30	467.0
9-20	do	1309	2.30	2.70	3010.0
10-19	do	1278	2.36	2.60	3010.0
11-19	do	1532	2.14	2.85	3263.0

PLATTE RIVER AT DUNCAN, NEBRASKA
(Record Furnished by U. S. G. S.)

3-13	P. V. Hodges	4650	------	4.40	18300.0
3-25	F. F. Le Fever	1800	------	2.90	4760.0
4-17	Eisenhuth and Follansbee	1750	------	3.15	4440.0
4-29	H. P. Eisenhuth	2790	------	3.63	7740.0
5-30	F. F. LeFever	1620	------	2.91	4050.0
6-15	do	3300	------	3.73	9800.0
7-2	do	1810	------	2.92	4530.0
7-13	H. P. Eisenhuth	1210	------	2.45	2420.0
8-2	do	86	------	.70	70.0
8-24	do	6	------	.38	4.0
9-17	F. B. Campbell	1400	------	2.82	2940.0

PLATTE RIVER AT COLUMBUS, NEBRASKA

1-15	A. E. Johnston	------	------	3.00	------
2-1	do	------	------	2.50	------
2-23	do	------	------	4.15	------

MEASUREMENTS OF PLATTE RIVERS
Year of 1929—Concluded

PLATTE RIVER SOUTH OF FREMONT, NEBRASKA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-14	A. E. Johnston	.....	.....	4.55	.....
3-21	do	2089	2.64	3.50	5513.0
4-15	do	2145	3.13	3.55	6740.0
5-10	do	3687	3.02	4.10	11170.0
6-6	do	3051	3.22	3.95	9845.0

PLATTE RIVER AT ASHLAND, NEBRASKA

11-21	A. E. Johnston	2509	2.74	2.65	6914.0
11-27	F. E. LeFever	1730	1.74	1.54	3010.0

PLATTE RIVER AT ASHLAND, NEBRASKA

(Record Furnished by U. S. G. S.)

1-28	F. F. LeFever	2550	.....	3.00	2980.0
2-18	do	2040	.....	.....	3500.0
3-10	Le Fever and Hodges	5490	.....	5.08	13100.0
3-12	P. V. Hodges	5290	.....	4.42	23100.0
3-16	do	5400	.....	3.04	19400.0
3-23	F. F. LeFever	3240	.....	1.68	8980.0
4-15	Follansbee-Eisenhuth	3010	.....	1.77	7830.0
4-28	H. P. Eisenhuth	4620	.....	3.03	18300.0
5-27	F. F. LeFever	2830	.....	1.81	7160.0
6-13	do	4950	.....	3.00	18000.0
7-1	do	2870	.....	1.69	9290.0
7-12	H. P. Eisenhuth	2110	.....	.92	5810.0
8-1	do	1540	.....	.66	3790.0
8-23	do	1090	.....	1.41	2480.0
9-14	F. B. Campbell	1620	.....	1.94	3750.0
9-30	do	3070	.....	2.64	6080.0

PLATTE RIVER AT PLATTSMOUTH, NEBRASKA

7-9	A. E. Johnston	3664	2.50	.....	9171.0
9-23	do	2297	2.20	.....	5066.0
10-22	do	2418	2.52	.....	6101.0

ACTUAL DISCHARGE MEASUREMENTS ON THE NORTH PLATTE SOUTH PLATTE AND PLATTE RIVERS
Year of 1930

NORTH PLATTE RIVER AT TORRINGTON, WYOMING

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
2-18	A. E. Johnston	487	1.83	0.50	892.0
3-10	A. W. Hall	299	2.56	.54	766.0
3-27	do	480	2.07	.60	996.0
4-10	do	600	2.52	.95	1513.0
5-21	do	555	2.26	.85	1252.0
6-12	do	597	2.27	.98	1353.0
6-27	do	813	2.93	1.47	2386.0
7-26	do	787	2.65	1.35	2087.0
9-9	do	790	2.04	1.23	1614.0
9-30	C. E. Franklin	620	1.82	.90	1128.0
10-22	do	535	2.11	.78	1093.0
11-7	do	504	2.04	.60	1019.7
11-24	do	438	1.64	.52	718.0
12-6	A. E. Johnston	484	1.57	.....	766.0

NORTH PLATTE RIVER AT INTERSTATE STATION AT HENRY, NEBRASKA
(Nebraska Measurements)

1-13	A. E. Johnston	649	1.51	2.10	984.0
2-17	do	441	2.19	1.48	965.0
3-27	A. W. Hall	476	2.15	1.40	1026.0
4-10	do	496	2.11	1.52	1048.0
6-7	do	644	2.01	1.83	1292.0
6-12	do	643	1.99	1.86	1280.0
10-1	C. E. Franklin	484	1.94	1.70	961.5
10-22	do	538	2.21	1.84	1191.8
11-7	do	524	1.89	1.62	968.4
11-24	do	370	.....	1.59	654.0

NORTH PLATTE RIVER AT INTERSTATE STATION AT HENRY, NEBRASKA
(Wyoming Measurements)

3-1	U. S. G. S.	542	——	1.73	1180.0
4-3	do	399	1.00	1.35	702.0
4-26	do	554	——	1.63	1060.0
4-30	F. M. Roush	440	2.00	1.57	880.0
5-8	U. S. G. S.	523	——	1.44	1030.0
5-13	F. M. Roush	560	1.98	1.68	1110.0
5-19	do	668	1.88	1.80	1260.0
5-26	do	510	1.88	1.58	960.0
6-4	do	670	2.12	1.89	1420.0
6-6	U. S. G. S.	656	.....	1.86	1340.0
6-16	F. M. Roush	723	2.13	2.06	1540.0
6-26	do	872	2.41	2.31	2100.0
7-7	do	826	2.23	2.31	1840.0
7-23	U. S. G. S.	854	.....	2.32	1880.0
7-31	F. M. Roush	769	2.26	2.24	1735.0
8-12	do	789	2.65	2.37	2090.0
8-23	U. S. G. S.	802	.....	2.20	2000.0
8-25	F. M. Roush	727	2.64	2.06	1810.0
9-9	do	653	2.78	1.99	1820.0
9-16	L. F. Hanks	697	——	1.98	1730.0
9-24	F. M. Roush	580	2.39	1.89	1385.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1930—Continued

NORTH PLATTE RIVER AT MITCHELL, NEBRASKA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-15	A. E. Johnston	657	1.90	1.40	1246.0
3-11	A. W. Hall	615	2.03	1.25	1249.0
3-27	do	528	2.23	1.25	1178.0
4-11	do	678	2.24	1.47	1519.0
4-24	do	528	2.04	1.20	1078.0
5-20	do	786	2.32	1.48	1829.0
6-11	do	327	1.79	.86	584.0
6-28	do	342	2.03	.96	694.0
7-18	do	474	2.00	1.09	948.0
7-25	do	509	2.01	1.05	1026.0
8-13	do	613	2.15	1.35	1317.0
8-16	do	1255	2.35	2.14	2953.0
9-10	do	596	2.21	1.35	1315.0
9-24	do	445	2.02	1.14	916.0
10-2	C. E. Franklin	880	2.12	1.68	1864.0
10-20	do	761	2.32	1.62	1768.0
11-7	do	697	2.13	——	1489.0
11-24	do	606	2.21	1.32	1341.0
12-5	A. E. Johnston	602	2.54	1.40	1524.0

NORTH PLATTE RIVER AT MINATARE, NEBRASKA

2-19	A. E. Johnston	801	2.12	1.40	1701.0
3-26	A. W. Hall	634	2.06	1.25	1305.0
4-9	do	756	2.07	1.35	1565.0
4-23	do	800	2.07	1.35	1658.0
5-14	do	799	2.12	1.40	1696.0
6-10	do	673	1.96	1.25	1320.0
6-16	do	387	1.58	.80	611.0
7-2	do	408	1.55	.88	633.0
7-26	do	579	2.04	1.20	1180.0
8-13	do	982	2.27	1.59	2232.0
8-16	do	1427	2.88	2.31	4109.0
9-5	do	815	2.33	1.45	1901.0
10-5	C. E. Franklin	1122	2.52	1.86	2837.0
10-20	do	1038	2.24	1.54	2327.0
11-5	do	903	2.28	1.43	2091.0
11-18	do	875	2.06	1.40	1801.0
12-4	A. E. Johnston	808	2.21	1.50	1789.0

NORTH PLATTE RIVER AT BRIDGEPORT, NEBRASKA

2-13	A. E. Johnston	1019	2.10	6.15	2134.0
3-25	A. W. Hall	912	2.07	5.95	1888.0
4-8	do	801	2.05	5.77	1640.0
4-14	A. E. Johnston	933	2.20	6.05	2054.0
4-23	A. W. Hall	940	2.16	5.88	2030.0
5-13	do	996	2.68	6.07	2676.0
5-19	do	1652	2.25	6.32	3713.0
5-28	do	486	3.40	5.71	1653.0
6-14	do	464	1.87	5.42	869.0
6-25	do	408	1.91	5.31	778.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1930—Continued

NORTH PLATTE RIVER AT BRIDGEPORT—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-2	A. W. Hall	245	1.66	5.28	407.0
7-17	do	518	1.82	5.46	942.0
8-1	do	525	1.89	5.49	992.0
8-14	do	1181	2.23	6.18	2634.0
8-17	do	2166	2.50	6.72	5402.0
9-4	do	1137	1.96	6.10	2213.0
9-7	do	1070	2.25	5.97	2401.0
9-23	do	1083	2.06	5.95	2246.0
10-6	C. E. Franklin	1527	2.77	6.45	4235.0
10-23	do	1171	2.49	6.08	2918.0
11-8	do	988	2.46	6.08	2425.0
11-27	do	1012	2.29	6.10	2335.0

NORTH PLATTE RIVER AT OSHKOSH, NEBRASKA

1-7	A. E. Johnston	1189	1.82	2.70	2161.0
3-13	do	972	2.23	1.80	2170.0
4-16	do	1304	3.03	2.35	3949.0
5-10	do	1178	2.65	2.05	3115.0
5-19	A. W. Hall	1383	2.79	2.35	3858.0
6-3	do	1063	2.33	2.05	2474.0
6-18	do	377	1.79	1.13	672.0
7-5	do	330	1.30	1.16	429.0
7-10	do	331	1.35	1.15	446.0
7-15	do	534	1.54	1.42	821.0
7-24	A. E. Johnston	793	2.04	1.70	1619.0
8-4	A. W. Hall	557	1.74	1.49	968.0
8-19	do	1644	2.69	2.55	4427.0
8-28	A. E. Johnston	1182	2.41	2.02	2846.0
9-24	do	901	2.21	1.81	1988.0
10-29	do	1172	2.62	2.08	3072.0
11-7	do	1123	2.52	2.00	2822.0
12-2	do	1166	2.54	2.58	2958.0

NORTH PLATTE RIVER AT SUTHERLAND, NEBRASKA

6-30	A. E. Johnston	117	1.66	.....	196.0
7-5	do	11	1.35	.....	15.0
7-10	do	.....	.....	.....	2.0
7-11	do	.....	.....	.....	1.0
7-14	do	35	1.34	.....	47.0
7-17	do	143	1.38	1.80	197.0
7-18	do	290	1.69	2.15	491.0
7-25	do	511	2.07	2.50	1057.0
8-5	do	362	1.42	2.30	513.0
8-9	do	342	1.56	2.32	532.0

NORTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

1-6	A. E. Johnston	1236	2.12	3.90	2629.0
1-25	do	1383	1.45	4.65	2004.0
2-8	do	1625	2.30	4.65	3739.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1930—Continued

NORTH PLATTE RIVER AT NORTH PLATTE—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-10	A. E. Johnston	1333	2.74	3.45	3658.0
4-7	do	840	2.39	3.25	2008.0
4-19	do	1357	2.46	3.75	3352.0
5-8	do	1016	2.28	3.40	2317.0
5-23	do	1697	2.74	3.80	4645.0
6-3	A. W. Hall	1138	2.29	3.39	2620.0
6-6	A. E. Johnston	1302	2.46	3.62	3216.0
6-19	A. W. Hall	815	2.18	3.16	1780.0
6-25	A. E. Johnston	576	1.88	2.90	1078.0
6-27	do	441	1.75	2.65	772.0
6-29	do	297	1.67	2.45	494.0
7-1	do	293	1.62	2.40	472.0
7-3	do	166	1.55	2.23	257.0
7-5	do	170	1.62	2.20	276.0
7-10	do	133	1.45	2.19	193.0
7-12	do	102	1.37	2.05	140.0
7-14	do	130	1.47	2.27	190.0
7-18	do	312	1.65	2.60	514.0
7-22	do	415	1.92	2.80	798.0
7-28	do	442	1.87	2.83	827.0
8-1	do	547	1.86	2.96	1013.0
8-5	do	360	1.87	2.72	674.0
8-9	do	353	1.81	2.77	634.0
8-11	do	516	1.88	3.02	967.0
8-13	do	753	1.98	3.20	1496.0
8-25	do	1607	2.82	4.02	4532.0
9-20	do	1049	2.33	3.42	2442.0
10-4	do	1768	2.92	4.30	5176.3
10-20	do	1458	2.66	3.70	3720.0
10-25	do	1401	2.53	3.70	3553.0
11-10	do	1326	2.30	3.65	3052.0
11-29	do	1256	2.56	3.93	3220.0
12-10	do	1198	2.60	3.68	3115.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 1
(Colorado Measurements)

1-14	C. E. McGraw	.....	.....	.....	81.6
2-15	do	.....	.....	.....	125.0
3-12	Baily and Hezmalhalch	.....	.....	2.16	255.0
3-17	F. F. LeFever	.....	.....	1.86	165.0
4-12	J. E. Whitten	.....	.....	1.12	31.0
4-15	U. S. G. S.	.....	.....	.98	18.8
5-17	C. E. McGraw	.....	.....	1.85	151.0
6-18	J. E. Whitten	.....	.....	.06	10.5
7-16	C. E. McGraw	.....	.....	1.03	16.3
8-13	do	.....	.....	.96	7.4
9-17	do	.....	.....	1.03	27.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1930—Continued

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 1
(Nebraska Measurements)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-21	C. E. Franklin	278	3.33	3.30	923.0
3-8	do	143	2.84	2.42	406.0
3-20	do	82	2.21	.....	182.0
4-18	do	54	2.14	1.70	116.0
5-2	do	22	1.54	1.11	33.0
5-16	do	83	2.07	1.82	171.0
5-28	do	49	1.99	1.54	98.0
6-20	do	11	1.15	1.01	13.0
6-25	do	11	1.17	.....	13.0
7-3	do	8	1.63	1.02	13.0
7-8	do	7	1.18	.99	9.0
8-2	do	5	1.22	.93	6.0
8-9	do	4	.93	.89	4.0
8-16	do	19	1.26	1.14	24.0
8-17	do	54	2.02	1.68	110.0
8-21	do	141	2.84	2.65	400.0
9-7	do	14	1.31	.....	17.8
9-21	do	17	1.50	.95	18.6
10-2	A. E. Johnston	35	1.73	2.30	61.2
10-13	C. E. Franklin	67	2.08	1.70	140.0
10-28	do	76	2.07	1.73	157.5
11-11	do	70	2.07	1.80	145.5
11-30	do	100	1.53	1.80	153.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 2
(Colorado Measurements)

1-20	LeFever and Campbell	.....	.....	.....	191.0
3-17	F. F. LeFever	.....	.....	1.96	270.0
4-12	J. E. Whitten	.....	.....	1.26	67.7
4-15	U. S. G. S.	.....	.....	1.11	47.5
5-17	C. E. McGraw	.....	.....	2.18	400.0
6-18	J. E. Whitten	.....	.....	.96	21.5
7-16	C. E. McGraw	.....	.....	1.04	45.8
8-13	do	.....	.....	.94	22.8
9-17	do	.....	.....	1.22	96.9

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 2
(Nebraska Measurements)

2-21	C. E. Franklin	577	2.93	3.85	1689.0
3-8	do	366	2.99	3.20	1095.0
3-20	do	122	2.14	1.96	261.0
4-18	do	122	2.23	1.91	271.0
5-2	do	57	1.89	1.33	108.0
5-16	do	193	1.80	2.10	346.0
5-28	do	84	2.38	1.60	198.0
6-20	do	18	1.55	1.02	28.1
6-25	do	15	1.70	.98	26.0
7-3	do	15	1.59	.98	23.0
7-8	do	12	1.29	.93	16.0
8-2	do	16	1.36	.93	21.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1930—Continued

SOUTH PLATTE RIVER AT JULESBURG—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
8-9	C. E. Franklin	13	1.34	.90	17.0
8-17	do	133	2.07	2.13	275.0
8-21	do	358	2.53	3.18	904.0
9-21	do	34	1.90	1.18	65.0
10-2	A. E. Johnston	64	2.12	1.85	136.0
10-13	C. E. Franklin	187	2.03	2.18	380.0
10-28	do	195	2.22	.....	432.0
11-11	do	139	2.29	.....	318.0
11-30	do	244	2.36	2.82	577.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 3
(Colorado Measurements)

1-20	LeFever and Campbell	.....	.....	.....	5.2
3-17	F. F. LeFever	.....	.....	.....	3.6
4-12	J. E. Whitten	.....	.....	.....	.0
5-17	C. E. McGraw	.....	.....	2.64	6.8
6-18	J. E. Whitten	.....	.....	.....	.0
7-16	C. E. McGraw	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 3
(Nebraska Measurements)

2-21	C. E. Franklin	65	3.21	3.90	207.0
3-8	do	28	2.26	3.30	63.0
3-20	do	.....	.....	3.40	2.0
4-18	do	.....	.....	2.50	1.0
5-2	do	.....	.....	2.40	.0
5-16	do	6	1.20	2.80	8.0
5-28	do	.....	.....	2.50	.3
6-19	do	.....	.....	2.30	.0
6-25	do	.....	.....	2.10	.0
7-3	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0
8-9	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-21	do	32	1.22	3.60	39.0
9-7	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
10-2	A. E. Johnston	.....	.....	2.45	.0
10-13	C. E. Franklin	.....	.....	2.60	.2
10-28	do	.....	.....	.....	.4
11-11	do	.....	.....	2.60	.3
11-30	do	.....	.....	3.20	17.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1930—Continued

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 4
(Colorado Measurements)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-20	LeFever and Campbell	.....	.....	.....	2.0
3-17	F. F. LeFever	.....	.....	3.10	1.0
4-12	J. E. Whitten	.....	.....	.....	.2
4-15	U. S. G. S.	.....	.....	3.10	1.0
5-17	C. E. McGraw	.....	.....	3.45	12.1
6-18	J. E. Whitten	.....	.....	.....	.0
7-16	C. E. McGraw	.....	.....	2.60	.5
8-13	do	.....	.....	2.96	.1
9-17	do	.....	.....	2.94	.1

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 4
(Nebraska Measurements)

2-21	C. E. Franklin	37	1.49	4.30	55.0
3-8	do	20	1.57	3.80	31.0
3-20	do	.....	.....	3.20	.8
4-18	do	.....	.....	3.20	.8
5-2	do	.....	.....	3.20	.5
5-16	do	3	.92	3.40	3.5
5-28	do	.....	.....	3.10	1.0
6-19	do	.....	.....	3.05	1.0
6-25	do	.....	.....	3.05	.5
7-3	do	.....	.....	3.05	.2
7-8	do	.....	.....	.....	.1
8-2	do	.....	.....	.....	.1
8-16	do	.....	.....	.....	.1
8-21	do	.....	.....	.....	3.0
9-7	do	.....	.....	.....	.5
9-21	do	.....	.....	.....	.5
10-2	do	1	.57	3.05	.4
10-13	do	.....	.....	3.10	.4
10-28	do	.....	.....	3.10	.4
11-30	do	.....	.....	3.20	2.0

SOUTH PLATTE RIVER AT OGALLALA, NEBRASKA

1-7	A. E. Johnston	279	2.08	.....	582.0
2-10	do	553	3.39	.....	1875.0
3-12	do	392	2.87	.....	1127.0
4-12	do	30	1.67	.....	49.0
4-17	do	35	1.65	.....	57.0
5-9	do	77	2.04	.....	158.0
6-4	do	156	1.93	.....	301.0
7-11	do	10	1.16	.....	12.0
7-23	do	7	1.12	.....	10.0
7-26	do	9	.89	.....	8.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1930—Continued

SOUTH PLATTE RIVER AT OGALLALA—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
8-1	A. E. Johnston	7	1.00	.....	7.0
8-4	do	9	1.08	.....	9.0
8-6	do	7	.96	.....	7.0
8-12	do	8	1.12	.....	8.0
8-27	do	229	2.14	2.00	491.0
9-23	do	62	1.80	1.40	112.0
10-3	do	120	1.95	1.65	234.0
10-28	do	262	2.26	2.20	593.0
11-8	do	249	2.18	2.20	542.0
12-1	do	421	2.55	2.85	1075.0

SOUTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

3-10	A. E. Johnston	560	2.36	2.60	1320.0
4-8	do	63	1.78	.....	113.0
5-8	do	72	1.60	1.90	116.0
5-22	do	521	2.25	2.65	1175.0
6-3	A. W. Hall	199	1.78	2.26	353.0
6-6	A. E. Johnston	195	1.71	2.20	333.0
6-19	A. W. Hall	152	1.62	2.21	245.0
6-25	A. E. Johnston	43	1.32	1.80	57.0
6-29	do	——	.....	.....	15.0
8-25	do	463	1.86	2.50	861.0
10-4	do	220	1.96	2.30	430.3
10-20	do	250	1.79	2.40	449.0
10-25	do	277	2.05	2.30	567.0
11-10	do	249	1.69	2.35	420.0
11-29	do	239	2.26	2.70	542.0
12-10	do	400	2.19	2.42	877.0

PLATTE RIVER AT BRADY ISLAND
BELOW GOTHENBURG CANAL

7-15	A. E. Johnston	9	0.95	.....	9.0

PLATTE RIVER AT GOTHENBURG, NEBRASKA
NORTH CHANNEL

7-3	A. E. Johnston	157	1.96	1.60	306.0
7-7	do	25	1.36	.55	35.0
7-8	do	19	1.21	.45	23.0
7-15	do	11	.75	.35	9.0
7-16	do	9	.98	.34	9.0
7-19	do	87	1.71	1.10	148.0
7-21	do	80	1.73	1.10	138.0
7-29	do	98	1.91	1.33	187.0
7-31	do	127	2.07	1.52	262.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1930—Continued

PLATTE RIVER AT GOTHENBURG, NEBRASKA
SOUTH CHANNEL

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-3	A. E. Johnston	74	1.21	1.60	90.0
7-8	do	.....	.....	.....	4.0
7-16	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	5.0
7-29	do	90	1.54	.....	139.0
7-31	do	117	1.58	1.60	185.0

PLATTE RIVER AT COZAD, NEBRASKA

7-17	A. E. Johnston	.....	.....	.....	0.0
7-19	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	2.0

PLATTE RIVER AT OVERTON, NEBRASKA

3-7	A. E.. Johnston	2754	3.52	4.70	9680.0
4-4	do	1305	2.20	3.45	2872.0
4-21	do	1464	2.42	3.70	3545.0
5-5	do	2126	2.47	4.10	5256.0
5-21	do	2669	3.09	4.30	8254.0
6-9	do	1678	2.47	3.48	4148.0
6-23	do	1014	1.95	3.05	1972.0
6-26	do	621	1.83	2.80	1135.0
7-2	do	187	1.70	2.35	319.0
7-8	do	9	1.65	1.70	15.0
7-15	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-13	do	.....	.....	1.35	.0
8-21	do	1630	2.35	3.70	3836.0
9-18	do	132	2.12	3.50	2800.0
10-7	do	2104	2.59	4.05	5473.0
10-22	do	1588	2.50	3.75	4000.0
11-13	do	1521	2.56	3.65	3900.0
11-26	do	579	2.21	3.00	1280.0
12-11	do	1878	2.62	4.00	4914.0

PLATTE RIVER AT DUNCAN, NEBRASKA

3-3	A. E. Johnston	1059	2.31	2.50	2441.0
3-28	do	1290	2.36	2.60	3049.0
4-24	do	1548	2.28	2.85	3530.0
6-13	do	1792	2.60	2.80	4676.0
8-16	do	57	1.15	.65	65.0
9-11	do	160	2.39	2.95	3816.0
10-11	do	2013	2.70	3.32	5420.0
11-18	do	1488	2.46	3.00	3655.0
12-16	do	1669	2.65	3.10	4422.0

MEASUREMENTS OF PLATTE RIVERS
Year of 1930—Concluded

PLATTE RIVER AT DUNCAN, NEBRASKA
(Record Furnished by U. S. G. S.)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-8	Jenkins-Cabell	1670	.....	4.72	2970.0
2-25	D. S. Jenkins	2820	.....	3.68	8910.0
3-22	F. F. LeFever	1310	.....	2.59	2900.0
4-4	do	1090	.....	2.44	2120.0
4-22	do	2070	.....	3.30	5020.0
5-8	do	2690	.....	3.86	8410.0
5-23	do	2390	.....	3.50	7240.0
6-10	do	2520	.....	3.44	6960.0
6-21	do	907	.....	2.11	2250.0
7-7	H. P. Eisenhuth	91	.....	.79	122.0
7-19	do	19	.....	.40	16.3
8-8	do	15	.....	.40	17.2
8-28	D. S. Jenkins	1130	.....	2.42	2420.0
9-19	R. E. Cabell	928	.....	2.32	1790.0

PLATTE RIVER AT ASHLAND, NEBRASKA

3-4	A. E. Johnston	1506	3.54	2.20	5325.0
3-31	do	2620	2.36	2.65	6177.0
4-26	do	3047	3.16	3.30	9620.0
6-18	do	2939	3.08	2.86	9080.0
8-19	do	1842	2.37	2.38	4375.0
9-13	do	2800	2.85	3.05	7990.0
10-14	do	4796	4.86	4.60	23311.0
11-20	do	3251	2.58	3.40	8410.0

PLATTE RIVER AT ASHLAND, NEBRASKA
(Record Furnished by U. S. G. S.)

1-10	LeFever and Campbell	3390	.98	.....	3340.0
2-27	D. S. Jenkins	3400	3.32	3.37	11300.0
3-10	do	3390	3.13	3.31	10600.0
3-26	F. F. LeFever	2740	2.67	2.95	7320.0
4-5	do	2680	1.97	2.60	5280.0
5-6	do	4220	3.24	4.19	13700.0
6-13	do	3040	2.73	2.78	8310.0
6-24	do	2250	2.60	2.32	5860.0
7-5	H. P. Eisenhuth	1220	1.70	.97	2070.0
7-10	do	1380	1.83	1.21	2540.0
8-5	D. S. Jenkins	1340	1.49	1.04	2000.0
8-9	H. P. Eisenhuth	1320	1.98	1.39	2620.0
8-27	D. S. Jenkins	2480	2.38	2.98	5910.0
9-20	R. E. Cabell	1810	2.18	2.09	3940.0
10-10	do	3070	2.74	3.16	8410.0
10-20	do	3500	2.76	3.12	9670.0

ACTUAL DISCHARGE MEASUREMENTS ON THE NORTH PLATTE SOUTH PLATTE AND PLATTE RIVERS

Season Ending September 30, 1931

NORTH PLATTE RIVER AT TORRINGTON, WYOMING

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
10-22	C. E. Franklin	535	2.11	0.78	1093.0
11-7	do	504	2.04	.60	1019.7
11-24	do	438	1.64	.52	718.0
12-6	do	484	1.57	——	766.0
1-14	A. E. Johnston	445	1.68	.50	748.0
2-19	do	339	1.64	.40	655.0
2-27	A. W. Hall	345	1.81	.55	626.0
3-13	do	359	1.68	.47	602.0
4-2	do	363	1.87	.60	680.0
4-9	do	397	1.86	.68	742.0
4-30	do	187	2.20	.31	411.0
5-13	do	147	1.83	.25	269.0
5-26	do	513	2.56	.92	1312.0
6-4	do	767	2.85	1.48	2183.0
6-18	do	736	2.35	1.20	1729.0
6-30	do	705	2.69	1.23	1893.0
7-10	do	648	2.58	1.18	1671.0
7-24	do	563	2.68	1.08	1502.0
8-15	F. F. LeFever	676	2.00	1.02	1380.0
8-21	A. W. Hall	488	2.49	.95	1219.0
8-27	A. E. Johnston	579	1.95	.85	1132.0
9-2	F. F. LeFever	398	2.28	.75	909.0
9-9	A. W. Hall	367	2.06	.63	755.0
9-16	F. F. LeFever	244	2.76	.59	675.0
9-23	do	203	2.70	.46	547.0

NORTH PLATTE RIVER AT INTERSTATE STATION AT HENRY, NEBRASKA

(Nebraska Measurements)

10-1	C. E. Franklin	484	1.94	1.70	961.5
10-22	do	538	2.21	1.84	1191.8
11-7	do	524	1.89	1.62	968.4
11-24	do	370	1.77	1.59	654.0
3-13	A. W. Hall	296	1.92	1.41	570.0
4-9	do	349	1.77	1.46	616.0
4-30	do	251	1.74	1.20	438.0
5-13	do	215	1.68	1.18	372.0
8-26	A. E. Johnston	462	1.74	1.60	802.0
9-9	A. W. Hall	388	1.90	1.59	736.0
9-23	F. F. LeFever	223	2.08	1.32	464.0
9-30	A. W. Hall	305	1.79	1.43	546.0

NORTH PLATTE RIVER AT INTERSTATE STATION AT HENRY, NEBRASKA

(Wyoming and U. S. G. S. Measurements)

11-6	P. V. Hodges	579	1.75	1.66	1010.0
1-6	Jenkins and Hanks	336	1.70	1.31	572.0
1-23	L. F. Hanks	365	1.56	1.36	571.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

NORTH PLATTE RIVER AT HENRY—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-7	R. E. Cabell	336	1.92	1.45	647.0
2-18	do	357	1.78	1.42	627.0
3-14	U. S. G. S.	317	1.76	1.44	560.0
3-24	do	339	1.68	1.36	568.0
4-13	F. M. Roush	302	1.97	1.45	597.0
4-23	H. P. Eisenhuth	290	1.83	1.26	529.0
5-7	D. S. Jenkins	226	1.85	1.22	419.0
5-14	Floyd M. Roush	200	1.78	1.25	356.0
5-25	do	565	1.57	1.71	886.0
5-21	Hodges and Bailey	450	1.92	1.70	863.0
6-3	Floyd M. Roush	848	2.33	2.33	1980.0
6-9	J. H. Bailey	964	2.14	2.24	2080.0
6-17	F. M. Roush	----	----	2.24	1675.0
6-18	do	734	2.16	2.16	1585.0
6-20	H. P. Eisenhuth	775	2.11	2.20	1640.0
6-25	Bailey and Roush	778	2.16	2.21	1680.0
7-1	F. M. Roush	----	----	2.09	1550.0
7-14	do	----	----	2.02	1520.0
7-22	J. H. Bailey	583	2.40	1.95	1300.0
7-26	F. M. Roush	----	----	1.98	1180.0
7-29	do	----	----	1.90	1105.0
8-3	do	636	2.00	1.99	1270.0
8-3	R. E. Cabell	528	2.46	1.99	1300.0
8-8	F. M. Roush	----	----	2.28	1845.0
8-17	do	----	----	1.82	1240.0
8-22	do	----	----	1.76	1040.0
8-29	do	----	----	1.57	825.0
9-5	do	----	----	1.62	780.0
9-6	D. S. Jenkins	440	1.89	1.69	835.0
9-10	F. M. Roush	----	----	1.53	675.0
9-15	do	----	----	1.37	540.0
9-20	J. H. Bailey	281	1.80	1.37	506.0
9-26	F. M. Roush	272	2.14	1.42	582.0

NORTH PLATTE RIVER SOUTH OF TRI-STATE WASTE
MAIN CHANNEL

5-13	A. W. Hall	130	1.53	1.58	199.0
5-23	do	132	1.37	1.41	180.0
7-9	do	111	1.42	1.28	157.0
7-13	do	81	1.49	1.10	121.0
7-17	do	87	1.26	1.02	109.0
7-24	do	84	1.35	1.12	114.0
8-6	Hall and LeFever	156	1.59	1.48	248.0
8-21	A. W. Hall	109	1.12	1.23	123.0
8-25	do	54	1.13	1.02	61.0
8-26	A. E. Johnston	55	1.16	.94	64.0
9-1	F. F. LeFever	44	1.10	.93	60.3
9-10	A. W. Hall	39	1.49	.88	59.0
9-24	F. F. LeFever	43	1.38	.84	59.0
9-30	A. W. Hall	47	1.45	.83	69.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

NORTH PLATTE RIVER SOUTH OF TRI-STATE WASTE
RAMSHORN CHANNEL

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-9	A. W. Hall	88	1.70	.....	149.0
7-13	do	30	1.41	.....	43.0
7-17	do	8	1.06	1.04	9.0
7-24	do	18	1.37	1.24	24.0
8-6	Hall and LeFever	89	2.38	2.50	213.0
8-17	F. F. LeFever	36	2.26	1.63	83.0
8-21	A. W. Hall	24	1.56	1.26	37.0
8-26	A. E. Johnston	20	1.14	1.10	23.0
9-1	F. F. LeFever	5	1.39	.78	7.0
9-10	A. W. Hall	5	1.07	.80	6.0
9-24	F. F. LeFever	5	1.12	.74	5.0
9-24	A. W. Hall	12	1.53	.93	18.0

NORTH PLATTE RIVER AT MITCHELL, NEBRASKA

10-2	C. E. Franklin	880	2.12	1.68	1864.0
10-20	do	761	2.32	1.62	1768.0
11-7	do	697	2.13	.....	1489.0
11-24	do	606	2.21	1.32	1341.0
12-5	A. E. Johnston	602	2.54	1.40	1524.0
1-13	do	539	1.97	1.30	1060.0
2-18	do	517	2.05	1.22	1061.0
3-12	A. W. Hall	475	1.94	1.23	923.0
4-2	do	608	2.22	1.27	1348.0
4-9	do	500	2.06	1.23	1032.0
4-29	do	393	1.91	1.00	751.0
5-12	do	363	1.72	.91	623.0
5-22	do	195	1.56	.78	305.0
5-25	do	180	1.39	.70	250.0
6-5	do	405	1.91	1.04	772.0
6-17	do	294	1.48	.85	436.0
6-26	do	247	1.42	.84	351.0
7-9	do	267	1.49	.83	400.0
7-17	do	196	1.32	.75	260.0
7-24	do	203	1.44	.75	292.0
8-7	Hall and LeFever	408	1.75	1.01	714.0
8-15	F. F. LeFever	245	1.50	.78	368.0
8-22	A. W. Hall	169	1.49	.70	253.0
8-27	A. E. Johnston	153	1.44	.60	221.0
9-1	F. F. LeFever	151	1.47	.64	221.0
9-10	A. W. Hall	143	1.49	.63	213.0
9-17	F. F. LeFever	129	1.51	.60	195.0
9-25	do	137	1.57	.61	215.0

NORTH PLATTE RIVER AT MINATARE, NEBRASKA

10-5	C. E. Franklin	1122	2.52	1.86	2837.0
10-20	do	1038	2.24	1.54	2327.0
11-5	do	903	2.28	1.43	2091.0
11-18	do	875	2.06	1.40	1801.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

NORTH PLATTE RIVER AT MINATARE—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
12-4	A. E. Johnston	808	2.21	1.50	1789.0
1-12	do	773	1.92	1.35	1486.0
2-17	do	687	2.03	1.24	1393.0
3-11	A. W. Hall	626	2.02	1.25	1268.0
3-21	C. E. Franklin	612	1.92	1.25	1173.0
4-9	A. W. Hall	632	2.03	1.30	1286.0
4-29	do	536	1.89	1.15	1017.0
5-12	do	439	1.75	1.10	768.0
5-27	do	173	1.35	.70	234.0
6-6	do	469	2.01	1.18	944.0
6-17	do	455	1.67	1.00	760.0
6-26	do	382	1.64	.89	626.0
7-10	do	349	1.47	.85	515.0
7-23	do	——	——	.85	427.0
8-8	Hall and LeFever	414	1.55	1.11	712.0
8-18	F. F. LeFever	277	1.39	.94	441.0
8-22	A. E. Johnston	287	1.46	.85	420.0
8-28	F. F. LeFever	203	1.35	.83	273.0
9-4	do	267	1.47	.93	393.0
9-10	do	271	1.40	.87	379.0
9-17	do	249	1.47	.85	362.0
9-29	A. W. Hall	351	1.54	.96	541.0

NORTH PLATTE RIVER AT BRIDGEPORT, NEBRASKA

10-6	C. E. Franklin	1527	2.77	6.45	4235.0
10-23	do	1171	2.49	6.08	2918.0
11-8	do	988	2.46	5.08	2425.0
11-25	do	1012	2.29	6.10	2335.0
1-27	Hall and Shaffer	1160	1.82	6.27	2104.0
2-10	A. W. Hall	813	2.09	5.89	1697.0
2-16	A. E. Johnston	805	2.10	5.85	1688.0
3-10	A. W. Hall	844	2.02	5.90	1703.0
3-24	do	700	2.04	5.84	1423.0
4-7	do	841	2.00	5.89	1683.0
4-28	do	692	1.98	5.70	1371.0
5-11	do	656	2.00	5.67	1310.0
5-20	do	498	1.85	5.50	922.0
5-25	do	391	1.65	5.28	643.0
5-30	do	311	1.53	5.17	476.0
6-8	do	675	1.71	5.65	1157.0
6-15	do	656	1.68	5.58	1101.0
6-25	do	445	1.62	5.35	719.0
6-30	do	362	1.57	5.23	568.0
7-11	A. E. Johnston	427	1.52	5.35	650.0
7-18	do	288	1.45	5.23	418.0
8-2	F. B. Shaffer	357	1.54	5.22	551.0
8-8	A. E. Johnston	493	1.62	5.38	789.0
8-17	A. W. Hall	569	1.39	5.44	791.0
8-22	A. E. Johnston	416	1.52	5.30	633.0
8-25	do	417	1.44	5.30	599.0
8-28	F. F. LeFever	312	1.46	5.30	453.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

NORTH PLATTE RIVER AT BRIDGEPORT—Continued

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
8-29	A. E. Johnston	292	1.58	5.31	462.0
8-29	F. B. Shaffer	344	1.40	5.30	480.0
9-5	F. F. LeFever	444	1.60	5.46	709.0
9-12	do	400	1.59	5.40	636.0
9-18	do	442	1.65	5.49	732.0
9-22	A. E. Johnston	490	1.59	5.52	785.0

NORTH PLATTE RIVER AT LISCO, NEBRASKA

9-9	F. F. LeFever	421	1.70	1.51	724.0
9-19	do	512	1.64	1.60	839.0
9-26	do	548	1.88	1.65	1030.0

NORTH PLATTE RIVER AT OSHKOSH, NEBRASKA

10-29	A. E. Johnston	1172	2.62	2.08	3072.0
11-7	do	1124	2.52	2.00	2822.7
12-2	do	1166	2.54	2.58	2958.0
1-9	do	1125	2.69	2.35	2584.0
2-13	do	829	2.15	1.78	1783.0
4-3	do	1337	2.34	2.25	3126.0
4-16	A. W. Hall	724	2.09	1.70	1535.0
5-16	A. E. Johnston	682	1.78	1.60	1214.0
5-30	do	340	1.60	1.38	543.0
6-12	do	664	1.88	1.69	1247.0
6-22	A. W. Hall	245	1.43	1.20	351.0
6-27	A. E. Johnston	278	1.58	1.30	439.0
7-10	do	430	1.50	1.45	646.0
7-20	do	247	1.47	1.15	362.0
7-21	do	199	1.33	1.13	263.0
7-27	do	280	1.54	1.28	433.0
8-5	do	336	1.35	1.32	454.0
8-11	do	587	1.70	1.60	984.0
8-20	do	407	1.48	1.46	602.0
8-31	do	323	1.49	1.34	481.0
9-5	do	456	1.60	1.56	730.0
9-21	do	554	1.87	1.61	1039.0
9-28	do	557	1.68	1.71	938.0

NORTH PLATTE RIVER AT LEWELLEN, NEBRASKA

6-23	A. W. Hall	205	1.26	1.99	259.0
6-29	A. E. Johnston	218	1.50	2.10	328.0
7-9	do	483	1.60	2.31	775.0
7-19	do	226	1.50	2.00	340.0
7-27	do	279	1.33	2.11	370.0
8-5	do	348	1.29	2.15	448.0
8-11	do	548	1.62	2.48	890.0
8-19	do	374	1.20	2.22	451.0
8-31	do	275	1.44	2.15	395.0
9-4	do	453	1.40	2.38	635.0
9-19	do	472	1.66	2.45	781.0
9-30	do	552	1.73	2.47	953.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

NORTH PLATTE RIVER AT SUTHERLAND, NEBRASKA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-2	A. E. Johnston	48	1.61	1.85	76.8
6-25	do	90	1.52	1.95	137.0
6-29	do	.....	.....	1.25	5.0
6-30	do	4	1.18	1.34	5.2
7-8	do	169	1.41	2.10	239.0
7-18	do	7	.85	1.70	6.0
7-29	do	.....	.....	1.40	3.0
8-4	do	46	1.04	1.98	48.0
8-13	do	320	1.38	2.40	443.0
8-18	do	252	1.37	2.30	345.0
8-31	do	51	.68	1.85	35.0
9-3	do	113	1.17	2.10	132.0
9-14	do	189	1.31	2.22	248.0
9-18	do	213	1.40	2.30	298.0

NORTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

10-4	A. E. Johnston	1768	2.92	4.30	5176.3
10-20	do	1458	2.66	3.70	3720.0
10-25	do	1401	2.53	3.70	3553.0
11-10	do	1326	2.30	3.65	3052.0
11-29	do	1256	2.56	3.93	3220.0
12-10	do	1198	2.60	3.68	3115.0
1-7	do	1017	2.69	3.70	2735.0
2-11	do	992	2.72	3.50	2704.0
4-1	do	812	2.43	3.35	1975.0
4-17	A. W. Hall	841	2.39	3.25	2005.0
5-13	A. E. Johnston	763	2.33	3.15	1777.0
6-4	do	112	1.88	2.22	210.2
6-6	do	402	1.99	2.95	800.0
6-11	do	524	2.08	3.08	1090.0
6-24	do	176	1.90	2.40	336.0
6-29	do	82	1.45	2.10	120.0
7-1	do	95	1.51	2.25	144.0
7-7	do	429	1.77	2.85	763.0
7-14	do	194	1.78	2.46	346.0
7-17	do	127	1.31	2.30	166.0
7-18	do	120	1.28	2.28	154.0
7-29	do	62	1.15	2.25	71.0
8-4	do	172	1.46	2.50	251.0
8-14	do	309	1.69	2.85	524.0
8-17	do	353	1.86	2.90	658.0
8-18	do	329	1.72	2.80	568.0
9-1	do	124	1.58	2.52	196.0
9-3	do	149	1.53	2.52	228.0
9-16	A. W. Hall	309	1.66	2.85	513.0
9-17	A. E. Johnston	348	1.83	2.88	637.0
9-17	do	332	1.65	2.88	546.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 1
(Colorado Measurements)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
9-17	C. E. McGraw	.....	.....	1.03	27.0
10-22	do	.....	.....	1.80	129.0
11-24	do	.....	.....	.....	10.9
12-17	J. E. Whitten	.....	.....	2.75	132.0
1-6	U. S. G. S.	.....	.....	1.82	111.0
1-20	C. E. McGraw	.....	.....	.....	59.9
1-21	A. E. Johnston (Nebraska)	.....	.....	2.73	109.0
2-3	U. S. G. S.	.....	.....	1.94	142.0
2-17	C. E. McGraw	.....	.....	1.90	146.8
3-4	U. S. G. S.	.....	.....	2.19	218.0
3-6	C. E. Franklin	.....	.....	2.40	346.0
3-19	J. E. Whitten	.....	.....	2.08	199.0
3-25	C. E. Franklin	.....	.....	1.83	134.0
4-16	do	.....	.....	1.75	110.0
4-19	C. E. McGraw	.....	.....	1.37	64.8
5-6	C. E. Franklin	.....	.....	1.16	26.0
5-24	do	.....	.....	.86	6.0
5-24	C. E. McGraw	.....	.....	.86	6.8
6-18	C. E. Franklin	.....	.....	.95	6.9
6-25	J. E. Whitten	.....	.....	.88	6.2
7-17	C. E. Franklin	.....	.....	.84	2.7
7-23	C. E. McGraw	.....	.....	.77	2.0
7-26	C. E. Franklin	.....	.....	.75	1.0
8-19	J. E. Whitten	.....	.....	.75	2.3
8-22	C. E. Franklin	.....	.....	.71	1.6
9-9	do	.....	.....	.74	2.3
9-25	do	.....	.....	.94	6.8
9-25	C. E. McGraw	.....	.....	.95	7.6

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 2
(Colorado Measurements)

9-17	C. E. McGraw	.....	.....	1.22	96.9
10-22	do	.....	.....	2.16	311.0
11-24	do	.....	.....	1.88	174.0
12-17	J. E. Whitten	.....	.....	2.29	429.0
1-6	U. S. G. S.	.....	.....	2.04	279.0
1-20	C. E. McGraw	.....	.....	1.74	187.4
1-21	A. E. Johnston	.....	.....	2.25	353.0
2-3	U. S. G. S.	.....	.....	2.09	275.0
2-17	C. E. McGraw	.....	.....	1.98	283.5
3-4	U. S. G. S.	.....	.....	2.25	361.0
3-6	C. E. Franklin	.....	.....	2.54	493.0
3-19	J. E. Whitten	.....	.....	2.04	292.0
3-25	C. E. Franklin	.....	.....	1.48	110.0
4-16	do	.....	.....	1.84	245.0
4-19	C. E. McGraw	.....	.....	1.51	127.5
5-6	C. E. Franklin	.....	.....	1.36	67.0
5-24	do	.....	.....	1.05	22.0
5-24	C. E. McGraw	.....	.....	1.05	21.5
6-18	C. E. Franklin	.....	.....	1.05	24.8

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

SOUTH PLATTE RIVER AT JULESBURG—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-25	J. E. Whitten	.....	.....	1.02	24.0
7-17	C. E. Franklin	.....	.....	1.00	16.9
7-23	C. E. McGraw	.....	.....	1.02	16.9
7-26	C. E. Franklin	.....	.....	.99	15.4
8-19	J. E. Whitten	.....	.....	1.05	15.8
8-22	C. E. Franklin	.....	.....	1.00	12.6
9-9	do	.....	.....	1.44	16.1
9-25	do	.....	.....	1.18	24.3
9-25	C. E. McGraw	.....	.....	1.19	28.2

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 3

(Colorado Measurements)

9-17	C. E. McGraw	.....	.....	.....	0.0
10-22	do	.....	.....	.....	.0
11-24	do	.....	.....	.....	.2
12-17	J. E. Whitten	.....	.....	2.75	2.0
1-6	U. S. G. S.	.....	.....	.....	.3
1-20	C. E. McGraw	.....	.....	.....	.1
1-21	A. E. Johnston	.....	.....	2.70	.0
2-3	U. S. G. S.	.....	.....	.....	1.0
2-17	C. E. McGraw	.....	.....	.....	.1
3-4	U. S. G. S.	.....	.....	.....	.5
3-6	C. E. Franklin	.....	.....	2.90	1.5
3-19	J. E. Whitten	.....	.....	2.62	.1
3-25	C. E. Franklin	.....	.....	.....	.1
4-16	do	.....	.....	2.60	.1
4-19	C. E. McGraw	.....	.....	.....	.0
5-6	C. E. Franklin	.....	.....	2.50	.1
5-24	do	.....	.....	2.40	.0
5-24	C. E. McGraw	.....	.....	.....	.0
6-18	C. E. Franklin	.....	.....	2.20	.0
6-25	J. E. Whitten	.....	.....	.....	.0
7-17	C. E. Franklin	.....	.....	2.00	.0
7-23	C. E. McGraw	.....	.....	.....	.0
7-26	C. E. Franklin	.....	.....	1.90	.0
8-19	J. E. Whitten	.....	.....	.....	.0
8-22	C. E. Franklin	.....	.....	.....	.0
9-9	do	.....	.....	.....	.0
9-25	C. E. McGraw	.....	.....	.....	.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 4

(Colorado Measurements)

9-17	C. E. McGraw	.....	.....	2.94	0.1
10-22	do	.....	.....	3.00	.8
11-24	do	.....	.....	.....	1.5
12-17	J. E. Whitten	.....	.....	.50	3.0
1-6	U. S. G. S.	.....	.....	.....	.7

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

SOUTH PLATTE RIVER AT JULESBURG—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-20	C. E. McGraw	.....	.....	.40	.8
1-21	A. E. Johnston	.....	.....	.45	1.0
2-3	U. S. G. S.	.....	.....	.....	1.5
2-17	C. E. McGraw	.....	.....	.75	.8
3-4	U. S. G. S.	.....	.....	.74	.7
3-6	C. E. Franklin	.....	.....	.90	.5
3-19	J. E. Whitten	.....	.....	.80	.9
3-25	C. E. Franklin	.....	.....	.....	.4
4-16	do	.....	.....	.70	.3
4-19	C. E. McGraw	.....	.....	.72	.5
5-6	C. E. Franklin	.....	.....	.....	.5
5-24	do	.....	.....	.70	.5
5-24	C. E. McGraw	.....	.....	.70	.1
6-18	C. E. Franklin	.....	.....	.68	.2
6-25	J. E. Whitten	.....	.....	.....	.2
7-17	C. E. Franklin	.....	.....	.70	.0
7-23	C. E. McGraw	.....	.....	.75	.0
7-26	C. E. Franklin	.....	.....	.60	.0
8-19	J. E. Whitten	.....	.....	.....	.0
8-22	C. E. Franklin	.....	.....	.....	.0
9-9	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.1
9-25	C. E. McGraw	.....	.....	.58	.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 1

(Nebraska Measurements)

10-2	A. E. Johnston	35	1.73	2.30	61.2
10-13	C. E. Franklin	67	2.08	1.70	140.0
10-28	do	76	2.07	1.73	157.5
11-11	do	70	2.07	1.80	145.5
11-30	do	100	1.53	1.80	153.0
1-21	A. E. Johnston	57	1.92	2.73	108.0
3-6	C. E. Franklin	126	2.75	2.40	346.0
3-25	do	63	2.11	1.83	134.0
4-16	do	59	1.86	1.75	110.0
5-6	do	18	1.42	1.16	26.0
5-24	do	6	1.10	.86	6.0
6-18	do	6	1.09	.95	7.0
7-17	do	4	.73	.84	3.0
7-26	do	2	.54	.75	1.0
8-22	do	3	.63	.71	1.6
9-9	do	3	.72	.74	2.0
9-25	do	6	1.08	.94	7.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 2
(Nebraska Measurements)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-2	A. E. Johnston	64	2.12	1.85	136.0
10-13	C. E. Franklin	187	2.03	2.18	380.0
10-28	do	195	2.22	.....	432.0
11-11	do	139	2.29	.....	318.0
11-30	do	244	2.36	2.82	577.0
1-21	A. E. Johnston	168	2.10	2.25	353.0
3-6	C. E. Franklin	208	2.37	2.54	493.0
3-25	do	57	1.91	1.48	110.0
4-16	do	106	2.30	1.84	245.0
5-6	do	35	1.89	1.36	67.0
5-24	do	15	1.45	1.05	22.0
6-18	do	17	1.47	1.05	25.0
7-17	do	11	1.51	1.00	17.0
7-26	do	11	1.36	.99	15.0
8-22	do	10	1.30	1.00	13.0
9-9	do	11	1.44	1.01	16.0
9-25	do	15	1.67	1.18	24.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 3
(Nebraska Measurements)

10-2	A. E. Johnston	.....	.....	2.45	0.0
10-13	C. E. Franklin	.....	.....	2.60	.2
10-28	do	.....	.....	.....	.4
11-11	do	.....	.....	2.60	.3
11-30	do	.....	.....	3.20	17.0
1-21	A. E. Johnston	.....	.....	2.70	.0
3-6	C. E. Franklin	.....	.....	2.90	1.5
3-25	do	.....	.....	2.60	.1
4-16	do	.....	.....	2.60	.1
5-6	do	.....	.....	2.50	.1
5-24	do	.....	.....	2.40	.0
6-18	do	.....	.....	2.20	.0
7-17	do	.....	.....	.....	.0
7-26	do	.....	.....	1.90	.0
8-22	do	.....	.....	.....	.0
9-9	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 4
(Nebraska Measurements)

10-2	A. E. Johnston	1	0.57	3.05	0.4
10-13	C. E. Franklin	.....	.....	3.00	.7
10-28	do	.....	.....	3.10	.4
11-30	do	.....	.....	3.20	2.0
1-21	A. E. Johnston	1	.91	.45	1.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

SOUTH PLATTE RIVER AT JULESBURG—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-6	C. E. Franklin	.....	.....	.90	.5
3-21	do	.....	.....	.80	.4
4-16	do	.....	.....	.70	.3
5-6	do	.....	.....	.70	.5
5-24	do	.....	.....	.70	.5
6-18	do	.....	.....	.68	.2
7-17	do	.....	.....	.70	.0
7-26	do	.....	.....	.60	.0
8-22	do	.....	.....	.....	.0
9-9	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.1

SOUTH PLATTE RIVER AT OGALLALA, NEBRASKA

10-3	A. E. Johnston	120	1.95	1.65	234.0
10-28	do	262	2.26	2.20	593.0
11-8	do	249	2.18	2.20	542.0
12-1	do	421	2.55	2.85	1075.0
1-8	do	160	2.34	3.20	374.0
2-13	do	258	2.46	2.30	635.0
4-2	do	590	3.32	3.25	1952.0
5-14	do	60	1.38	1.35	83.0
6-2	do	26	1.31	1.24	34.3
6-10	do	38	1.28	1.25	49.0
6-26	do	10	.89	.95	9.0
7-9	do	14	1.62	1.10	23.0
7-19	do	3	1.00	.86	3.0
7-29	do	.....	.....	.81	3.0
8-5	do	3	.77	.90	2.4
8-12	do	6	1.07	.90	6.3
8-19	do	5	.68	.86	3.4
9-4	do	2	.50	.85	.8
9-19	do	3	1.06	.85	4.0

SOUTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

10-4	A. E. Johnston	220	1.96	2.30	430.3
10-20	do	250	1.79	2.40	449.0
10-25	do	277	2.05	2.30	567.0
11-10	do	249	1.69	2.35	420.0
11-29	do	239	2.26	2.70	542.0
12-10	do	400	2.19	2.42	877.0
1-6	do	353	2.04	2.68	719.0
2-11	do	316	1.96	2.30	619.0
4-1	do	348	1.96	2.54	680.0
4-17	A. W. Hall	229	1.76	2.18	404.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

SOUTH PLATTE RIVER AT NORTH PLATTE—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-13	A. E. Johnston	45	1.34	1.80	61.0
6-4	do	.....	.....	.92	.0
6-6	do	——	——	1.50	.0
6-9	do	2	1.36	1.75	34.0
6-11	do	85	1.67	2.05	141.0
6-24	do	——	——	1.05	.0
7-1	do	——	.....	.86	.0
7-7	do	——	——	.97	.0
7-14	do	——	.....	.68	.0
7-17	do	——	.....	.60	.0
8-4	do	.....	——	.20	.0
8-17	do	——	.....	.12	.0
9-16	A. W. Hall	8	.97	1.62	8.0
9-17	A. E. Johnston	——	.....	1.40	3.0

PLATTE RIVER AT BRADY ISLAND
BELOW GOTHENBURG CANAL

7-1	A. E. Johnston	45	1.84	.....	83.0
7-14	do	264	1.13	.....	299.0
7-17	do	46	2.32	.....	107.0
7-31	do	19	0.86	.....	16.3
8-3	do	30	1.45	.....	43.3
8-14	do	180	1.49	1.81	268.0
8-15	do	229	1.59	2.00	364.0
8-17	do	259	1.68	2.12	436.0
9-1	do	100	1.36	1.58	136.0
9-16	do	282	1.66	2.05	468.0

PLATTE RIVER SOUTH OF GOTHENBURG, NEBRASKA
NORTH CHANNEL

6-23	A. E. Johnston	150	1.65	1.35	247.0
7-1	do	30	1.58	.64	48.0
7-3	do	60	1.82	1.00	109.0
7-7	do	111	1.92	1.22	213.0
7-14	do	146	1.98	1.50	289.0
7-15	do	132	1.94	1.42	256.0
7-16	do	84	1.63	1.05	137.0
7-17	do	66	1.57	1.00	104.0
7-31	do	7	.83	.....	6.0
8-3	do	.....	.19	.....	4.0
8-14	do	107	1.77	1.20	189.0
8-15	do	139	1.98	1.35	275.0
8-17	do	149	2.15	1.50	321.0
9-1	do	38	1.76	.80	67.0
9-16	do	152	1.93	1.50	294.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

PLATTE RIVER SOUTH OF GOTHENBURG, NEBRASKA
SOUTH CHANNEL

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-23	A. E. Johnston	36	1.27	0.65	46.0
7-1	do	.....	.....	.....	.0
7-3	do	.....	.....	.....	.0
7-7	do	94	1.23	.90	116.0
7-14	do	96	1.68	.65	27.0
7-15	do	22	1.35	.59	29.0
7-16	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8-17	do	17	1.34	.65	23.0
9-1	do	.....	.....	.....	.0
9-16	do	56	1.17	1.50	66.0

PLATTE RIVER AT COZAD, NEBRASKA

7-3	A. E. Johnston	23	1.49	.....	34.0
7-13	do	.....	.....	.....	2.0
7-14	do	.....	.....	.....	2.0
7-15	do	.....	.....	.....	3.0
7-16	do	.....	.....	.....	2.0
7-31	do	.....	.....	.....	2.0
8-14	do	.....	.....	.....	2.0
8-17	do	.....	.....	.....	2.0
9-16	do	.....	.....	.....	5.0

PLATTE RIVER AT OVERTON, NEBRASKA

10-7	A. E. Johnston	2104	2.59	4.05	5473.0
10-22	do	1588	2.50	3.75	4000.0
11-13	do	1521	2.56	3.65	3900.0
11-26	do	579	2.21	3.00	1280.0
12-11	do	1878	2.62	4.00	4914.0
1-5	do	1116	2.40	3.65	2670.0
2-9	do	1633	2.65	3.90	4333.0
3-25	do	1537	2.26	3.56	3480.0
4-17	A. W. Hall	1122	2.36	3.40	2563.0
5-11	A. E. Johnston	1202	2.21	3.52	2652.0
6-3	Johnston and Wyant	29	1.29	2.05	37.1
6-6	A. E. Johnston	123	1.31	2.45	161.0
6-23	do	46	1.31	2.23	60.0
7-2	do	.....	.....	1.57	.0
7-3	do	.....	.....	1.60	.0
7-6	do	.....	.....	1.83	3.0
7-12	do	.....	.....	1.70	.0
7-13	do	.....	.....	1.65	.0
7-15	do	.....	.....	1.48	.0
7-31	do	.....	.....	1.47	.0
8-3	do	.....	.....	1.20	.0
8-15	do	.....	.....	1.10	.0
9-2	do	.....	.....	.90	.0
9-13	do	.....	.....	.73	.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Continued

PLATTE RIVER SOUTH OF ELM CREEK, NEBRASKA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-13	Johnston and Wyant	69	1.33	.....	91.2
7-3	A. E. Johnston	.....	.....	.....	.0
7-6	do	7	1.19	.....	9.0
7-12	do	5	.80	1.50	4.0
7-13	do	5	.88	1.50	5.0
7-31	do	.....	.....	.....	.0
8-3	do	.....	.....	.....	.0
8-15	do	.....	.....	1.20	.0

PLATTE RIVER AT DUNCAN, NEBRASKA

10-11	A. E. Johnston	2013	2.70	3.32	5420.0
11-18	do	1488	2.46	3.00	3655.0
12-16	do	1669	2.65	3.10	4422.0
1-31	do	3178	3.13	4.47	9940.0
3-7	do	745	1.48	2.35	1717.0
3-19	do	1513	2.31	2.97	3518.0
5-6	do	1795	2.55	3.10	4585.0
6-7	do	184	1.44	1.50	268.0
7-3	do	4	.80	1.03	3.0
7-6	do	.....	.....	1.05	5.0
8-1	do	.....	.....	.70	3.0

PLATTE RIVER AT DUNCAN, NEBRASKA
(Record Furnished by U. S. G. S.)

10-18	R. E. Cabell	2380	.....	3.46	6470.0
11-8	D. S. Jenkins	1340	.....	2.78	2970.0
1-12	H. P. Eisenhuth	1410	.....	3.14	2820.0
2-9	L. F. Hanks	1770	.....	2.90	3830.0
3-11	H. P. Eisenhuth	2100	.....	3.60	6410.0
3-28	do	847	.....	2.26	1020.0
4-11	R. E. Cabell	1860	.....	3.12	4500.0
4-20	do	1160	.....	2.53	2570.0
5-11	H. P. Eisenhuth	1620	.....	3.08	3820.0
5-22	do	568	.....	2.20	989.0
6-4	do	62	.....	1.13	63.0
6-15	do	110	.....	1.52	138.0
7-9	Cabell and Follansbee	9	.....	1.04	12.0
7-20	R. E. Cabell	4	.....	.90	5.6
7-29	do	0	.....	.80	.4
8-14	L. F. Hanks	2	.....	.74	2.7
8-21	do	0	.....	.00	2.5
8-28	do	1	.....	.75	.6
9-9	do	0	.....	.00	.1

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1931—Concluded

PLATTE RIVER AT ASHLAND, NEBRASKA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-14	A. E. Johnston	2796	4.86	4.60	23311.0
11-20	do	3251	2.58	3.40	8410.0
1-12	do	1763	2.87	2.56	5060.0
1-29	do	3402	3.43	3.68	11693.0
3-13	do	2726	3.22	3.22	8790.0
4-29	do	3848	2.65	2.80	7546.0

PLATTE RIVER AT ASHLAND, NEBRASKA
(Record Furnished by U. S. G. S.)

10-10	R. E. Cabell	3070	2.74	3.16	8410.0
10-20	do	3500	2.76	3.12	9670.0
1-23	H. P. Eisenhuth	1120	1.54	2.00	1730.0
2-11	L. F. Hanks	2550	3.08	2.86	7880.0
3-12	H. P. Eisenhuth	2640	2.55	2.92	6760.0
3-29	U. S. G. S.	2020	2.39	2.33	4820.0
4-14	R. E. Cabell	2550	2.69	2.78	6880.0
5-13	H. P. Eisenhuth	2910	2.52	3.11	7340.0
5-23	do	1890	2.02	2.20	3820.0
6-6	do	1650	2.00	2.01	3300.0
6-16	do	1640	1.70	1.96	2800.0
7-10	Cabell and Follansbee	1470	1.08	1.88	2580.0
7-21	R. E. Cabell	1430	1.05	1.65	2130.0
7-31	do	866	1.43	1.34	1240.0
8-24	L. F. Hanks	892	.....	1.51	1580.0
9-4	do	1290	.....	1.74	1890.0

ACTUAL DISCHARGE MEASUREMENTS ON THE NORTH PLATTE SOUTH PLATTE AND PLATTE RIVERS
Season Ending September 30, 1932

NORTH PLATTE RIVER AT TORRINGTON, WYOMING

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-8	F. F. LeFever	186	2.86	0.48	532.0
10-20	do	132	2.60	.33	332.0
11-5	do	134	2.59	.36	347.0
1-6	do	126	3.01	.33	380.0
1-27	do	148	3.06	.64	453.0
2-10	A. E. Johnston	163	3.00	.34	490.0
2-23	F. F. LeFever	143	3.08	.38	441.0
3-9	A. E. Johnston	8	2.53	.50	226.0
3-17	F. F. LeFever	162	3.10	.41	502.0
4-6	A. E. Johnston	198	3.19	.52	632.0
4-23	do	105	2.57	.28	270.0
5-7	F. F. LeFever	144	3.35	.41	483.0
5-23	do	410	2.56	.88	1050.0
6-8	A. W. Hall	733	2.70	1.24	1980.0
6-15	F. F. LeFever	829	2.74	1.40	2250.0
6-24	do	763	2.66	1.30	2040.0
7-1	do	888	2.92	1.58	2590.0
7-12	do	867	2.66	1.37	2310.0
7-20	do	706	3.06	1.40	2160.0
7-29	do	658	2.77	1.17	1820.0
8-10	do	587	2.78	1.07	1630.0
8-15	do	579	2.75	1.10	1590.0
8-25	do	593	2.60	.95	1540.0
8-31	do	559	2.72	1.02	1520.0
9-8	do	527	2.54	.90	1340.0
9-20	do	392	2.18	.66	856.0
9-30	do	416	2.24	.75	935.0

NORTH PLATTE RIVER AT INTERSTATE STATION AT HENRY, NEBRASKA

10-3	F. M. Roush	254	2.08	1.40	530.0
10-8	F. F. LeFever	269	2.12	1.44	569.0
10-20	do	202	2.04	1.24	412.0
10-31	do	214	2.04	1.20	437.0
11-5	F. M. Roush	207	2.08	1.26	431.0
12-4	do	231	2.14	1.34	495.0
1-5	I. H. Bailey	232	2.13	1.30	494.0
1-7	F. F. LeFever	208	2.14	1.32	445.0
1-25	F. M. Roush	254	1.97	1.40	500.0
2-8	L. F. Hanks	322	1.71	1.46	552.0
2-19	F. M. Roush	235	2.17	1.47	510.0
2-23	F. F. LeFever	233	2.01	1.40	469.0
3-17	do	243	1.96	1.36	476.0
*4-16	F. M. Roush	163	1.15	.96	326.0
4-23	A. E. Johnston	182	1.94	1.03	354.0
5-4	S. C. Moore	145	1.98	.84	288.0
5-7	F. M. Roush	222	2.22	1.19	493.0
5-20	do	355	2.04	1.49	722.0
5-25	do	567	2.10	1.85	1190.0
5-30	do	763	2.33	2.20	1780.0

*Note—Gage moved to north bank of the river April 16, 1932.

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Continued

NORTH PLATTE RIVER AT HENRY—Continued

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
6-8	F. M. Roush	744	2.25	2.20	1670.0
6-10	do	841	2.21	2.25	1860.0
6-22	do	827	2.20	2.27	1820.0
6-27	do	807	2.22	2.24	1790.0
7-5	do	1100	2.50	2.73	2760.0
7-12	do	940	2.30	2.29	2160.0
7-28	do	784	2.28	2.14	1790.0
8-6	do	734	2.20	2.06	1610.0
8-10	do	674	2.26	1.87	1520.0
8-16	do	664	2.30	1.81	1530.0
8-22	do	637	2.23	1.71	1420.0
9-2	do	642	2.32	1.71	1490.0
9-10	do	540	2.32	1.55	1270.0
9-15	do	460	2.30	1.41	1060.0
9-23	do	390	2.22	1.23	866.0
9-29	do	385	2.08	1.22	800.0

NORTH PLATTE RIVER SOUTH OF TRI-STATE WASTE
MAIN CHANNEL

6-9	F. F. LeFever	231	1.77	1.70	409.0

NORTH PLATTE RIVER SOUTH OF TRI-STATE WASTE
RAMSHORN CHANNEL

6-9	F. F. LeFever	45	1.73	2.06	78.0

NORTH PLATTE RIVER AT MITCHELL, NEBRASKA

10-1	A. W. Hall	139	1.45	0.63	202.0
10-9	F. F. LeFever	420	1.86	1.12	782.0
10-22	do	404	1.92	1.12	776.0
11-5	do	389	1.83	1.06	714.0
12-8	A. E. Johnston	534	2.04	1.30	1094.0
1-7	F. F. LeFever	356	1.91	1.23	679.0
1-27	do	397	1.80	1.27	715.0
2-10	A. E. Johnston	442	2.05	1.30	908.0
2-24	F. F. LeFever	393	2.00	1.17	789.0
3-18	do	387	1.97	1.10	765.0
4-7	A. E. Johnston	479	2.03	1.10	981.0
4-25	do	362	1.86	1.00	675.0
5-6	F. F. LeFever	536	2.07	1.35	1110.0
5-18	do	216	1.46	.75	315.0
5-24	do	216	1.42	.71	308.0
6-3	do	468	1.76	1.12	824.0
6-9	do	296	1.72	.86	514.0
6-16	do	670	2.20	1.55	1470.0
6-24	do	396	1.85	1.08	735.0
7-2	do	511	2.01	1.30	1040.0
7-13	do	440	2.01	1.14	886.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Continued

NORTH PLATTE RIVER AT MITCHELL—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-22	F. F. LeFever	409	2.01	1.10	826.0
7-30	do	396	2.00	1.05	791.0
8-3	do	773	2.54	1.77	1960.0
8-10	do	254	1.78	.83	455.0
8-17	do	452	1.00	.85	452.0
8-26	do	289	1.76	.82	510.0
9-8	do	204	1.58	.68	323.0
9-21	do	201	1.68	.72	339.0
9-30	do	396	2.01	1.13	800.0

NORTH PLATTE RIVER AT MINATARE, NEBRASKA

10-12	F. F. LeFever	688	2.00	1.44	1330.0
10-23	do	597	1.86	1.34	1110.0
11-4	do	539	1.91	1.28	1030.0
12-9	A. E. Johnston	906	1.67	1.75	1515.0
1-8	F. F. LeFever	553	1.82	1.78	1010.0
1-28	do	507	1.85	1.60	929.0
2-11	A. E. Johnston	544	2.22	1.58	1201.0
2-25	F. F. LeFever	465	2.17	1.29	1010.0
3-19	do	465	2.05	1.18	957.0
4-5	A. E. Johnston	463	2.10	1.20	972.0
4-22	do	419	1.73	1.00	727.0
5-10	F. F. LeFever	555	1.69	1.12	939.0
5-19	do	314	1.38	.80	430.0
5-25	do	346	1.48	.88	512.0
6-4	do	426	1.55	1.04	661.0
6-10	do	340	1.45	.90	494.0
6-17	do	625	2.04	1.18	1270.0
6-27	do	423	1.69	.94	715.0
7-6	do	725	2.04	1.42	4480.0
7-14	do	644	1.83	1.26	1180.0
7-23	do	508	1.73	1.16	882.0
8-3	do	870	2.40	1.74	2100.0
8-11	do	343	1.55	.92	533.0
8-18	do	318	1.57	.90	500.0
9-1	do	491	1.77	1.06	871.0
9-9	do	335	1.68	.90	564.0
9-23	do	393	1.62	.92	636.0

NORTH PLATTE RIVER AT BRIDGEPORT, NEBRASKA

10-2	F. F. LeFever	536	1.84	5.60	986.0
10-12	A. W. Hall	864	1.88	5.91	1620.0
10-24	do	822	1.98	5.83	1547.0
11-2	F. F. LeFever	670	2.04	5.78	1370.0
1-9	do	734	1.96	6.00	1440.0
2-1	do	620	1.08	6.19	670.0
2-8	Johnston and LeFever	836	1.78	6.60	1490.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Continued

NORTH PLATTE RIVER AT BRIDGEPORT—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-26	F. F. LeFever	668	2.05	5.85	1370.0
3-22	do	658	2.02	5.78	1330.0
4-16	A. W. Hall	580	1.69	5.59	980.0
5-11	F. F. LeFever	595	1.73	5.61	1030.0
5-20	do	456	1.52	5.53	697.0
5-27	do	418	1.65	5.45	688.0
6-7	do	458	1.53	5.54	703.0
6-8	do	385	1.46	5.42	564.0
6-18	do	792	1.89	5.90	1500.0
6-28	do	492	1.64	5.39	809.0
7-7	do	714	1.85	5.76	1320.0
7-16	do	752	1.87	5.83	1410.0
7-24	F. B. Shaffer	660	1.86	5.73	1224.0
8-4	F. F. LeFever	1010	2.16	6.13	2180.0
8-12	do	511	2.13	5.42	647.0
8-22	do	493	1.80	5.60	891.0
9-2	do	633	1.80	5.70	1140.0
9-14	do	538	1.88	5.62	1010.0
9-24	do	571	1.90	5.68	1080.0

NORTH PLATTE RIVER AT LISCO, NEBRASKA

10-1	F. F. LeFever	486	1.84	1.60	893.0
10-14	do	863	1.35	2.00	1900.0
10-27	do	760	2.02	1.81	1540.0
11-6	do	756	1.95	1.78	1480.0
1-11	do	957	1.92	3.02	1840.0
1-27	A. E. Johnston	1108	1.52	3.12	1682.0
3-10	F. F. LeFever	642	1.25	2.01	803.0
3-21	A. E. Johnston	830	1.99	1.70	1654.0
4-2	F. F. LeFever	624	1.86	1.60	1160.0
4-8	A. E. Johnston	697	2.08	1.80	1459.0
4-20	do	507	2.00	1.55	1020.0
5-4	F. F. LeFever	579	1.90	1.56	1100.0
5-10	A. E. Johnston	639	2.10	1.70	1347.0
5-23	do	570	1.93	1.60	1101.0
5-31	F. F. LeFever	601	1.74	1.67	1050.0
6-7	Johnston and Follansbee	462	1.53	1.34	710.0
6-11	F. F. LeFever	285	1.58	1.19	451.0
6-20	do	814	2.06	1.90	1680.0
6-28	do	522	1.73	1.44	906.0
7-8	do	638	1.88	1.65	1200.0
7-18	do	677	1.98	1.73	1340.0
7-27	do	563	2.00	1.59	1130.0
8-5	do	863	2.24	1.99	1930.0
8-12	do	294	1.71	1.26	504.0
8-22	do	449	1.70	1.42	764.0
9-3	do	567	1.95	1.60	1110.0
9-14	do	512	1.81	1.53	928.0
9-26	do	666	2.02	1.76	1350.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Continued

NORTH PLATTE RIVER AT OSHKOSH, NEBRASKA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-12	A. E. Johnston	399	2.08	2.02	1868.0
10-22	do	787	1.85	1.90	1623.0
11-3	do	770	2.21	1.82	1700.0
1-12	do	1296	2.06	3.12	2673.0
1-26	do	946	1.68	2.95	1495.0
2-23	do	1256	2.09	3.00	2623.0
3-19	do	955	2.74	1.90	2062.0
4-9	do	796	2.48	1.80	1798.0
4-20	do	517	2.52	1.60	1039.0
5-9	do	781	2.10	1.90	1641.0
5-21	do	478	1.81	1.42	870.0
5-24	do	572	1.74	1.58	996.0
6-6	do	424	1.97	1.50	835.0
6-7	Johnston and Follansbee	472	1.67	1.44	793.0
6-24	A. E. Johnston	764	2.00	1.84	1538.0
7-6	do	622	1.93	1.60	1202.0
7-14	do	538	1.80	1.50	973.0
7-26	do	656	1.85	1.64	1215.0
8-5	do	757	2.01	1.88	1540.0
8-16	do	528	1.78	1.58	941.0
8-26	do	481	1.76	1.50	849.0
9-12	do	518	1.73	1.54	900.0
9-23	do	506	1.83	1.60	930.1

NORTH PLATTE RIVER AT LEWELLEN, NEBRASKA

10-10	A. E. Johnston	919	2.13	2.85	1956.0
10-23	do	896	2.11	2.65	1890.0
11-2	do	941	2.38	2.80	2238.0

NORTH PLATTE RIVER AT SUTHERLAND, NEBRASKA

6-9	A. E. Johnston	179	1.39	2.04	249.0
6-27	do	603	1.98	2.50	1196.0
7-8	do	311	1.61	2.20	504.0
7-14	do	178	1.52	2.10	271.0
7-18	do	314	1.61	2.20	506.0
7-25	do	439	1.66	2.40	730.0
8-8	do	635	1.65	2.70	1050.0
8-15	do	476	1.72	2.42	822.0
8-29	do	452	1.53	2.42	693.0
9-9	do	443	1.58	2.58	701.0
9-24	do	422	1.76	2.50	743.0

NORTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

10-3	A. E. Johnston	540	2.00	3.16	1084.0
10-8	do	610	2.10	3.30	1283.0
10-26	do	860	2.10	3.55	1807.0
10-30	do	882	2.18	3.46	1925.0
11-28	do	1116	1.97	3.85	2193.0
12-18	do	732	2.76	3.80	2020.0
1-6	do	731	2.50	3.50	1827.0
1-22	do	1067	1.89	4.00	2020.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Continued

NORTH PLATTE RIVER AT NORTH PLATTE—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-19	A. E. Johnston	1087	2.00	3.92	2179.0
3-17	do	1664	2.84	4.12	4746.0
4-12	do	765	2.32	3.20	1772.0
4-16	do	671	2.33	3.18	1578.0
5-13	do	783	2.12	3.30	1656.0
5-19	do	441	1.95	2.88	862.0
5-27	do	484	2.04	3.05	990.0
6-2	do	516	1.88	3.04	974.0
6-13	do	544	1.97	3.08	1070.0
6-28	do	723	2.04	3.20	1473.0
7-2	do	417	1.07	2.84	781.0
7-9	do	530	1.95	3.04	1032.0
7-13	do	338	1.70	2.78	574.0
7-19	do	349	1.78	2.82	623.0
7-25	do	490	1.90	3.05	934.0
8-9	do	624	2.22	3.30	1381.0
8-15	do	685	2.12	3.32	1457.0
8-30	do	534	1.98	3.10	1060.2
9-8	do	597	1.93	3.14	1150.0
9-26	do	723	2.25	3.35	1620.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 1
(Nebraska Measurements)

11-17	A. E. Johnston	15	1.49	1.05	22.0
1-13	do	103	2.26	3.40	234.0
2-12	do	70	2.08	3.00	146.0
3-5	do	18	1.85	2.15	33.9
4-1	do	25	1.78	2.25	46.0
5-6	do	24	1.91	2.20	45.8
5-19	A. W. Hall	4	.59	1.42	2.8
5-24	do	.....	.....	1.27	.5
6-13	do	2	.83	1.20	2.0
7-15	do	.....	.....	.....	.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 1
(Colorado Measurements)

10-21	J. E. Whitten	.....	.....	1.08	19.3
11-24	C. E. McGraw	.....	.....	1.12	26.8
12-16	J. E. Whitten	.....	.....	1.58	56.3
1-19	C. E. McGraw	.....	.....	3.15	128.7
2-18	J. E. Whitten	.....	.....	2.97	83.3
3-23	C. E. McGraw	.....	.....	1.40	59.3
4-2	J. E. Whitten	.....	.....	1.00	28.3
4-19	do	.....	.....	.....	.5
5-17	C. E. McGraw	.....	.....	.....	3.4
6-29	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8-17	J. E. Whitten	.....	.....	.....	.0
9-21	C. E. McGraw	.....	.....	.....	.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Continued

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 2
(Nebraska Measurements)

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
11-17	A. E. Johnston	32	1.77	1.45	56.0
1-13	do	201	2.46	2.85	495.0
2-12	do	152	2.54	2.66	387.0
3-5	do	67	2.14	1.80	143.0
4-1	do	63	2.00	1.95	127.6
5-6	do	63	2.10	1.95	133.0
5-19	A. W. Hall	33	1.43	1.39	47.5
5-24	do	17	1.64	1.21	27.9
6-13	do	32	1.75	1.40	56.0
6-21	do	25	1.64	1.28	41.0
7-9	do	19	1.45	1.16	27.4
7-15	do	16	1.50	1.12	23.4
8-4	do	19	1.67	1.13	30.8
8-11	do	14	1.61	1.08	23.0
9-13	do	15	1.66	1.10	25.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 2
(Colorado Measurements)

10-21	J. E. Whitten	.....	.....	1.30	45.0
11-24	C. E. McGraw	.....	.....	1.44	68.4
12-16	J. E. Whitten	.....	.....	1.44	107.7
1-19	C. E. McGraw	.....	.....	2.12	290.1
2-18	J. E. Whitten	.....	.....	2.29	320.0
3-23	C. E. McGraw	.....	.....	1.83	176.6
4-2	J. E. Whitten	.....	.....	1.52	95.7
4-19	do	.....	.....	1.03	34.8
5-17	C. E. McGraw	.....	.....	1.15	58.0
6-29	do	.....	.....	.97	36.4
7-21	do	.....	.....	.97	20.4
8-17	J. E. Whitten	.....	.....	1.05	46.3
9-21	C. E. McGraw	.....	.....	1.22	27.2
10-26	J. E. Whitten	.....	.....	1.50	50.5

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 3
(Nebraska Measurements)

11-17	A. E. Johnston	.....	.....	.....	0.0
1-13	do	7	1.53	.....	11.0
2-12	do	3	.85	.....	2.2
3-5	do	3	1.44	.....	4.6
4-1	do	.....	.....	1.50	.0
5-6	do	.....	.....	1.50	.0
5-19	A. W. Hall	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
7-15	do	.....	.....	1.15	.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Continued

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 3
(Colorado Measurements)

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
10-21	J. E. Whitten	.....	.....	.....	0.0
11-24	C. E. McGraw	.....	.....	.....	.0
12-16	J. E. Whitten	.....	.....	.....	.0
1-19	C. E. McGraw	.....	.....	.....	.0
2-18	J. E. Whitten	.....	.....	.....	.3
3-23	C. E. McGraw	.....	.....	.....	.0
4-2	J. E. Whitten	.....	.....	1.50	.0
4-19	do	.....	.....	1.35	.0
5-17	C. E. McGraw	.....	.....	.....	.0
6-29	do	.....	.....	1.35	.0
7-21	do	.....	.....	.....	.0
8-17	J. E. Whitten	.....	.....	.....	.0
9-21	C. E. McGraw	.....	.....	.....	.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 4
(Nebraska Measurements)

11-17	A. E. Johnston	.....	.....	.....	2.0
2-12	do	1	.90	.....	.9
3-5	do	1	1.43	.....	2.0
4-1	do	0	.75	1.43	.2
5-6	do	1	1.10	1.34	.8
5-19	A. W. Hall	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0

SOUTH PLATTE RIVER AT JULESBURG, COLORADO
CHANNEL NO. 4
(Colorado Measurements)

10-21	J. E. Whitten	.....	.....	.....	0.0
11-24	C. E. McGraw	.....	.....	.....	.0
12-16	J. E. Whitten	.....	.....	.....	.1
1-19	C. E. McGraw	.....	.....	.....	1.0
2-18	J. E. Whitten	.....	.....	.....	.3
3-23	C. E. McGraw	.....	.....	.....	.0
4-2	J. E. Whitten	.....	.....	1.43	.3
4-19	do	.....	.....	1.65	.3
5-17	C.E. McGraw	.....	.....	.....	.0
6-29	do	.....	.....	1.25	.0
7-21	do	.....	.....	.....	.0
8-17	J. E. Whitten	.....	.....	1.30	.1
9-21	C. E. McGraw	.....	.....	.....	.0

SOUTH PLATTE RIVER AT OGALLALA, NEBRASKA

10-1	A. E. Johnston	4	1.10	0.90	4.4
10-10	do	6	1.27	1.04	8.0
10-24	do	10	1.21	1.15	13.0
11-2	do	20	1.17	1.25	23.1

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Continued

SOUTH PLATTE RIVER AT OGALLALA—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
11-30	A. E. Johnston	174	2.02	2.15	352.0
1-8	do	171	2.00	2.15	344.0
1-25	do	210	2.23	2.35	469.0
2-22	do	390	2.10	3.22	824.0
3-7	do	85	1.70	1.51	145.0
3-18	do	287	2.53	2.38	728.0
4-4	do	59	1.80	1.38	106.0
4-11	do	29	1.69	1.12	49.0
4-19	do	22	1.72	1.00	38.0
5-9	do	97	1.89	1.70	183.0
5-11	do	86	1.71	1.55	147.0
5-20	do	29	2.00	1.18	58.0
5-25	do	17	1.70	1.00	29.0
6-4	do	11	1.64	.92	18.0
6-9	Johnston and Follansbee	30	.41	.86	12.3
6-27	A. E. Johnston	20	1.80	1.04	36.0
7-7	do	12	1.25	.94	15.0
7-18	do	6	.84	.78	5.0
8-8	do	.....	.....	.74	3.5
8-17	do	23	1.76	1.09	39.7
8-27	do	15	1.59	.96	23.8
9-10	do	6	.82	.78	4.5
9-24	do	4	.95	.72	3.8

SOUTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

10-3	A. E. Johnston	.....	.....	1.60	10.0
10-8	do	.....	.....	.....	7.0
10-26	do	.....	.....	.68	.0
10-30	do	.....	.....	.55	.0
11-28	do	.....	.....	.20	.0
12-18	do	667	1.22	2.15	82.0
1-6	do	66	1.00	2.30	66.0
1-23	do	336	1.41	2.68	474.0
2-20	do	229	1.01	2.90	232.0
3-17	do	393	2.16	3.42	851.0
4-12	do	44	1.16	1.70	51.0
4-16	do	.....	.....	1.54	5.0
5-13	A. E. Johnston	75	2.60	1.95	111.0
5-18	do	28	.78	1.80	22.0
5-27	do	.....	.....	1.10	.0
6-2	do	8	.88	1.60	7.0
6-13	do	27	1.44	1.74	39.1
6-28	do	16	1.00	1.62	16.0
7-9	do	.....	.....	1.34	4.0
7-13	do	.....	.....	.....	.0
8-9	do	.....	.....	.....	.0
8-30	do	.....	.....	.86	2.0
9-8	do	69	1.43	1.24	9.9
9-26	do	.....	.....	.65	3.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Continued

PLATTE RIVER AT BRADY ISLAND, NEBRASKA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-18	Johnston and McNamara	.....	.....	1.30	1036.2

PLATTE RIVER SOUTH OF GOTHENBURG, NEBRASKA
NORTH CHANNEL

7-21	A. E. Johnston	179	2.14	1.75	383.6
7-23	do	208	2.24	1.97	467.0

PLATTE RIVER AT COZAD, NEBRASKA
SOUTH CHANNEL

6-29	A. E. Johnston	354	1.49	1.70	517.0
7-2	do	122	1.06	1.30	170.0
7-11	do	.....	.....	.60	.0
7-13	do	.....	.....	.....	.0
7-20	do	.....	.....	.38	.0
7-21	do	.....	.....	.38	.0
7-22	do	.....	.....	.55	.0
8-10	do	28	1.25	1.05	36.2
8-13	do	4	.91	.75	4.0
8-31	do	.....	.....	1.05	22.6
9-7	do	33	1.16	1.12	38.2
9-27	do	53	1.18	1.28	62.9
9-30	do	146	1.24	1.43	182.0

PLATTE RIVER AT COZAD, NEBRASKA
NORTH CHANNEL

6-29	A. E. Johnston	211	1.96	1.45	415.0
7-2	do	63	1.75	1.05	110.0
7-11	do	3	1.00	.50	3.0
7-13	do	3	.65	.50	2.0
7-20	do	2	1.00	.50	2.0
7-21	do	.....	.....	.58	8.0
7-22	do	.....	.....	.50	5.0
8-10	do	162	1.61	1.40	262.0
8-13	do	8	.87	.55	7.5
8-31	do	.....	.....	.62	10.0
9-7	do	100	1.63	1.08	163.0
9-27	do	252	1.67	1.60	420.0
9-30	do	274	2.14	1.65	586.0

PLATTE RIVER AT OVERTON, NEBRASKA

10-6	A. E. Johnston	.....	.....	0.85	0.0
10-28	do	824	2.16	3.24	1779.0
11-27	do	519	1.82	3.35	944.0
1-5	do	656	2.20	3.55	1446.0
2-16	do	1360	1.48	4.72	2020.0
3-15	do	671	1.90	3.60	1271.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Continued

PLATTE RIVER AT OVERTON—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-14	A. E. Johnston	854	2.06	3.40	1762.0
5-14	do	814	1.87	3.34	1519.0
5-16	do	574	1.77	3.14	1017.0
5-28	do	222	1.55	2.80	344.0
5-31	do	716	1.81	3.32	1296.0
6-10	Johnston and Follansbee	281	1.43	2.80	402.0
6-30	A. E. Johnston	508	1.80	3.15	919.0
7-12	do	.....	.....	.....	.0
7-22	do	.....	.....	1.52	.0
8-11	do	105	1.25	2.52	132.0
9-1	do	.....	.....	1.36	.0
9-6	do	.....	.....	1.25	.0
9-28	do	281	1.38	2.86	387.5
9-29	do	442	1.62	3.05	716.0

PLATTE RIVER SOUTH OF ELM CREEK, NEBRASKA

7-12	A. E. Johnston	12	1.00	1.50	12.0
7-21	do	.....	.....	.....	.0
8-11	do	47	1.10	1.80	52.0
9-1	do	.....	.....	.....	.0

PLATTE RIVER AT DUNCAN, NEBRASKA

10-4	H. P. Eisenhuth	7	1.16	0.88	8.6
10-22	do	7	1.16	1.13	8.7
11-3	do	405	1.54	1.96	623.0
11-16	do	574	1.60	2.09	922.0
11-26	do	291	1.36	1.70	396.0
12-1	do	398	1.50	2.07	595.0
12-4	do	438	1.12	2.06	493.0
1-12	Boyer and Hanks	877	1.02	3.20	891.0
2-1	M. C. Boyer	754	1.72	3.80	1300.0
2-18	do	1430	2.20	4.25	3160.0
3-19	Hanks and Moore	1460	2.58	2.72	3760.0
3-31	S. C. Moore	1020	2.48	2.42	2540.0
4-7	do	829	2.02	2.22	1670.0
4-20	do	779	2.06	2.23	1640.0
5-21	L. F. Hanks	280	1.75	1.59	487.0
5-27	do	399	1.42	1.82	566.0
6-7	do	1650	2.40	3.14	3970.0
6-21	do	1080	2.16	2.64	2330.0
7-9	do	407	1.41	1.63	574.0
7-16	do	55	3.81	.50	21.2
8-9	M. C. Boyer	60	1.31	.74	79.0
8-18	do	33	.91	.64	30.2
9-10	H. P. Eisenhuth	26	.65	.66	17.0
9-17	do	12	1.11	.58	14.0

MEASUREMENTS OF PLATTE RIVERS
Season Ending September 30, 1932—Concluded

PLATTE RIVER AT ASHLAND, NEBRASKA

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-2	H. P. Eisenhuth	1320	1.69	1.93	2240.0
10-20	do	1340	1.82	2.00	2440.0
11-2	do	1480	1.73	2.13	2570.0
11-12	do	1940	2.02	2.53	3940.0
11-25	do	2270	2.20	2.54	5010.0
11-30	do	1630	1.86	2.19	3030.0
12-3	do	1930	2.20	2.44	4260.0
1-16	Boyer and Hanks	1900	1.10	3.50	2100.0
2-5	M. C. Boyer	1750	1.90	3.70	3330.0
2-11	Moore and Hanks	2350	.55	3.33	1300.0
2-22	do	3010	2.23	4.50	6720.0
3-22	do	3790	2.77	3.06	10500.0
4-1	S. C. Moore	2900	2.46	2.41	7180.0
4-9	do	2500	2.02	1.89	5070.0
4-21	do	2380	2.46	2.20	5850.0
5-22	L. F. Hanks	1390	2.26	1.83	3130.0
5-28	do	2750	3.02	3.23	8300.0
6-13	do	3900	3.20	3.79	12500.0
6-21	do	2850	2.49	2.53	7110.0
7-7	do	2340	2.53	2.41	5910.0
7-18	do	806	2.53	.78	2040.0
8-11	M. C. Boyer	1600	2.16	1.94	3460.0
8-19	do	1310	2.34	1.93	3070.0
9-12	H. P. Eisenhuth	1350	2.02	1.56	2730.0
9-19	do	1070	2.21	1.33	2370.0

PATHFINDER STORAGE RESERVOIR
DAILY CONTENTS IN ACRE-FEET
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	450460	467760	489340	542730	825810	1150120	1138250	974940	682110	532290	517160	550360
2	451100	468420	490150	546540	838240	1146470	1137770	965770	671750	527920	518390	551650
3	451750	469090	490960	549720	849910	1144290	1137050	956650	661260	521860	519740	552940
4	452400	469760	491770	555530	858240	1144040	1135120	947620	651800	514960	521100	554230
5	453050	470430	492580	564000	866270	1144290	1131520	938260	642440	508550	522450	555530
6	453590	470100	493400	467540	876090	1145740	1129130	927990	633030	501860	523820	556830
7	454130	471770	494220	589340	883710	1147440	1125780	918020	623860	495620	525180	558130
8	454670	472440	495620	597350	890820	1149140	1122680	908340	617180	489340	526540	559300
9	455220	473120	497020	605230	898180	1151580	1120070	899540	612300	483170	527920	560470
10	455760	473790	498430	611610	907360	1153050	1117230	896400	606470	481400	529290	561640
11	456310	474570	501380	618020	919010	1156470	1114380	882760	605090	482940	530420	563350
12	456850	474360	540480	622860	931810	1157450	1111060	874760	604125	484540	531540	565050
13	457510	476140	506870	626430	943950	1159660	1108460	865900	603160	483130	532670	566750
14	458160	476930	509030	630970	954180	1160150	1106110	856380	601450	487960	533790	568470
15	458820	477720	511080	635480	964930	1159170	1104230	846410	600540	489920	534920	569790
16	459480	478510	512650	640560	978090	1158190	1103070	837330	598490	491890	533040	570980
17	460140	479300	514230	650040	993970	1156960	1101670	828330	596430	493870	537290	572030
18	460800	480090	515820	664830	1011160	1155250	1100970	819370	594520	495740	538550	573030
19	461460	480880	517410	681490	1029290	1155490	1100500	810090	592330	497260	539810	574140
20	462120	481680	519010	703260	1046390	1153530	1093330	800420	590290	498790	541070	575210
21	462450	482480	520850	725130	1013220	1151090	1085150	790310	588250	500320	541580	576270
22	462780	483280	522700	743110	1079490	1146710	1073840	780820	586090	501860	542090	577070
23	463110	484080	524680	755560	1094240	1144290	1062550	771420	583390	503400	542600	577870
24	463440	484880	525920	767690	1104470	1142590	1051310	762110	580960	504950	543330	578670
25	463770	485790	527170	778420	1116040	1141870	1011930	752560	578940	506510	544120	579480
26	464100	486700	528420	787540	1129600	1141390	1032380	742780	572430	508070	544880	580150
27	464540	487620	529670	795350	1138010	1140660	1022700	733420	562690	509630	545650	580830
28	465090	488540	530920	801800	1144770	1140240	1012890	723840	552940	511200	546790	581500
29	465760	.....	532540	808500	1151340	1139700	1003600	713570	543360	512770	547930	582180
30	466420	.....	535420	815610	1152560	1138980	994180	803260	533540	514350	549080	582850
31	467090	.....	538950	.....	1152070	.....	984620	692460	.....	515940	.....	583530

Record furnished by U. S. Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, INTO [redacted] PATHFINDER RESERVOIR
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	400	410	500	1980	5220	8730	8210	1380	1030	1200	710	740
2	400	410	510	2000	6340	7810	8260	1680	970	1000	710	740
3	400	410	510	1680	5960	8030	7980	1640	1020	900	770	740
4	400	410	510	3010	4280	8790	7110	1860	1000	630	780	740
5	400	410	510	4350	4130	8990	5910	1510	1010	900	770	750
6	350	410	510	6400	5030	9780	5850	1050	670	760	780	750
7	350	410	490	6530	3920	10050	4610	1250	910	900	780	750
8	350	410	780	4210	3660	10410	4300	1390	1050	870	780	680
9	350	420	780	3960	3790	11110	4240	1910	1600	920	790	680
10	350	410	790	3350	4700	11030	3850	2240	1170	1010	780	680
11	350	470	1560	3390	5950	12280	3500	1530	1650	1310	660	950
12	350	470	1640	2600	6530	11990	2830	1790	1700	1370	660	950
13	410	470	1280	1960	6380	13230	2610	1450	1730	1350	660	950
14	410	470	1290	2300	5540	12760	2380	1000	1560	1240	660	960
15	410	510	1100	2390	5850	11920	2400	830	1500	1150	660	760
16	410	530	870	2620	6940	11870	2750	1280	1030	1150	660	690
17	410	500	870	4840	8410	11570	2280	1220	1090	1200	720	620
18	410	500	880	7520	8980	10970	2380	1220	1240	1100	730	630
19	410	500	880	8480	9440	11940	2600	970	1090	930	730	620
20	410	500	880	11050	9060	10560	2180	910	1100	830	730	630
21	240	500	1000	11000	8810	9780	2490	740	1130	860	350	630
22	240	500	1000	9140	8580	8280	2100	1040	1120	870	350	490
23	240	500	1070	6350	9060	8410	2110	980	880	870	350	490
24	240	500	700	6190	9440	8440	2060	1060	950	870	940	490
25	240	560	710	5440	10000	8840	1770	990	1050	880	940	500
26	240	560	710	4670	11810	8840	1610	840	1070	880	940	430
27	300	560	710	4010	11070	8750	1550	1040	1160	880	950	430
28	350	560	710	3330	11780	8760	1530	870	1080	880	1320	430
29	410	.....	890	3450	11080	8480	1620	890	1140	880	1320	430
30	410	.....	1530	3660	10460	8310	1620	1090	970	890	1330	430
31	410	.....	1860	.....	9820	.....	1490	820	.....	890	.....	430
Mean	356	474	905	4398	7487	10024	3430	1240	1155	980	777	651
Max.	410	560	1860	11050	11810	13230	8260	2240	1730	1370	1330	960
Min.	240	410	490	1680	3660	7810	1530	740	670	630	350	430
A. F.	21917	26321	55617	281577	460172	593458	210608	76305	68768	60258	46235	40046

Total Acre-Feet 1,944,322

Record furnished by U. S. Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, OUTFLOW OF PATHFINDER RESERVOIR

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	75	75	100	75	75	9520	8200	6050	6030	1730	90	90
2	75	75	100	75	75	9220	8120	6040	6000	3150	90	90
3	75	75	100	75	75	8840	7990	6010	6070	4040	90	90
4	75	75	100	75	75	8660	7700	6040	6070	4020	90	90
5	75	75	100	75	75	8700	7250	6070	5700	4010	90	90
6	75	75	100	75	75	8830	6780	6050	5550	3980	90	90
7	75	75	75	75	75	9020	6330	6010	5530	3980	90	90
8	75	75	75	75	75	9290	5620	5990	4420	3980	90	90
9	75	75	75	75	75	9570	5340	6010	4010	3980	90	90
10	75	75	75	130	75	9810	4910	6010	4040	1800	90	90
11	75	75	75	160	75	10100	4490	5600	2260	490	90	90
12	75	75	75	160	75	11550	4010	5500	2020	490	90	90
13	75	75	75	160	75	11900	3620	5540	2020	490	90	90
14	75	75	200	60	75	12150	3280	5530	2010	240	90	90
15	75	170	75	60	75	12150	3000	5480	2010	90	90	90
16	75	130	75	60	75	11970	2820	5540	2010	90	90	90
17	75	100	75	60	75	11750	2640	5550	2020	90	90	90
18	75	100	75	60	75	11500	2500	5550	2020	90	90	90
19	75	100	75	75	75	11380	2420	5540	2020	90	90	90
20	75	100	75	75	75	11160	5540	5520	2020	90	90	90
21	75	100	75	75	75	10550	6100	5500	2020	90	90	90
22	75	100	75	75	170	9960	7510	5480	2020	90	90	90
23	75	100	75	75	1410	9390	7400	5480	2030	90	90	90
24	75	100	75	75	3960	9030	7340	5470	2030	90	90	90
25	75	100	75	75	3860	8860	6100	5550	2030	90	90	90
26	75	100	75	75	5560	8750	6030	5540	4490	90	90	90
27	75	100	75	75	7140	8620	6010	5520	5980	90	90	90
28	75	100	75	75	8250	8520	5960	5490	5960	90	90	90
29	75	.....	75	75	9140	8430	6050	5910	5920	90	90	90
30	75	.....	75	75	9730	8310	6030	6070	5890	90	90	90
31	75	.....	75	.....	9800	.....	5990	6060	.....	90	.....	90
Mean	75	91	84	82	1950	9916	5400	5700	3740	1220	90	90
Max.	75	130	200	160	9800	12150	8200	6070	6070	4040	90	90
Min.	75	75	75	60	75	8310	2420	5470	2010	90	90	90
A. F.	4611	5058	5157	4929	120190	590071	332375	352448	222549	75194	5355	5533

Total Acre-Feet 1,723,470

Record furnished by U. S. Bureau of Reclamation.

GUERNSEY STORAGE RESERVOIR

DAILY CONTENTS IN ACRE-FEET

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64470	58378	55050	39580	53920	69566	69210	24340	25570	14550	72210	70600
2	64404	58180	55050	40030	57477	68024	68635	25125	26060	20416	72210	70600
3	64184	58114	55092	39544	60056	64624	68635	26135	26940	21448	71635	70485
4	64096	57960	55250	39050	62490	64360	68520	26865	27850	26032	71400	70485
5	63920	57708	55460	38852	65250	65590	68520	27770	28920	31248	70945	70485
6	63656	57393	56479	38996	68001	66930	67840	28840	31280	36910	70600	70600
7	63370	57225	58996	39320	68796	66930	66436	29925	34940	41418	70830	70600
8	63260	57015	60268	39796	68865	69716	64920	31600	38600	44375	71060	70715
9	63040	56973	61520	39760	69210	70301	62490	32948	40904	51360	71290	70830
10	62886	56847	64392	39410	69210	69670	62490	34100	42040	57960	71520	70945
11	62820	56805	66779	38960	69601	68796	61180	34940	43620	64539	71750	71175
12	62600	56700	67827	38138	69785	68911	59345	34430	44280	69555	71750	71405
13	62600	56600	68070	37272	69394	69601	56500	33335	42970	71750	71290	71750
14	62490	56560	67160	36626	69739	69785	52400	32420	41670	72440	71175	71980
15	62380	56395	64920	35946	70646	69555	47890	31845	40210	73084	71175	72325
16	62270	56395	61914	35280	71060	69785	45980	30800	38780	73130	71290	71980
17	62083	56500	59198	34940	70531	68796	40580	30240	37010	73245	71750	72095
18	61940	56290	56868	34855	68405	68635	34600	30160	35280	73130	71635	71865
19	61767	56269	54493	35365	66595	67840	27540	30000	33760	72785	71865	71060
20	61620	55891	52200	36405	64700	68444	22290	28825	32100	72670	71635	70715
21	61400	55702	50910	37980	63260	70140	18658	29818	30960	72325	70830	70140
22	60897	55660	48820	38870	61830	69785	19950	29540	30000	72049	70370	69900
23	60486	55355	47320	39544	60486	68114	22820	29070	27390	71980	70255	69670
24	60100	55292	45315	41120	58688	67735	25350	28610	25860	72095	70255	69325
25	59946	55250	44822	42600	58941	68290	26720	28075	24284	71980	70020	69900
26	59775	55155	41670	44090	62314	69785	27165	27420	23230	71750	70370	69670
27	59712	55155	41364	45068	67804	69854	26430	26790	20578	71750	70020	69440
28	59408	55050	38744	45125	70347	70020	25700	26060	16760	71635	70020	69210
29	59135	.....	38070	45696	70699	69900	24980	25350	12660	71865	70485	69325
30	58820	.....	38600	49440	71359	.....	24340	24630	11190	71980	70600	69325
31	58495	.....	39388	.....	70899	.....	24200	25095	.....	71890	.....	69095

Record furnished by U. S. Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, INTO GUERNSEY RESERVOIR

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	337	312	310	1172	3145	12925	7102	5821	5890	7144	566	330
2	377	277	337	1407	2838	13777	7240	3695	5900	4383	600	375
3	319	261	293	954	2500	11935	7250	5659	6193	2095	580	347
4	361	300	393	961	2553	10567	6992	5578	6233	3861	559	420
5	308	263	400	1102	2698	10365	7100	5658	6240	4055	358	400
6	242	200	808	1263	2863	10825	6507	5687	5790	3905	351	480
7	256	288	1564	1238	2802	10986	5943	5747	5695	3898	591	400
8	335	229	978	1355	2410	11270	5581	6069	5495	2866	481	398
9	259	302	969	1132	2674	11295	5075	5755	4842	3847	486	478
10	297	230	707	921	2575	11882	4830	5655	4247	3854	401	453
11	347	301	1484	893	3922	11910	4689	5898	4272	3651	511	553
12	239	268	1278	675	2893	12358	4475	5693	3708	2939	365	580
13	285	276	1272	703	2803	12798	4015	5222	2639	1431	158	715
14	289	301	1066	709	3124	13143	4085	5313	2570	948	352	697
15	310	238	755	732	3457	13184	3327	5510	2338	1124	315	749
16	330	298	663	701	3784	13666	4637	5298	2255	898	463	389
17	251	225	860	859	4109	13202	2830	5467	2433	1058	536	647
18	288	313	1695	1007	3627	13119	2586	5535	2377	893	392	401
19	273	346	652	1322	3663	12550	1740	5495	2483	702	651	86
20	266	155	667	1563	3418	11504	2340	5502	2313	543	289	260
21	329	247	1200	2220	3149	10851	2568	5486	2500	616	70	157
22	178	299	707	1488	3152	10421	5350	5380	2517	511	214	212
23	233	169	1009	1394	3172	9757	6696	5310	2005	367	317	346
24	208	240	414	1769	2945	9509	7025	5318	2629	583	285	337
25	266	297	582	1766	3773	8282	6991	5330	2455	512	237	638
26	285	242	286	1812	5100	8553	6374	5320	2519	484	556	256
27	260	265	1571	1618	7218	8034	5730	5332	2213	430	194	376
28	229	265	324	1834	8230	7984	5818	5082	3775	517	295	364
29	243	.....	276	2112	10765	7665	5802	5217	6233	616	554	402
30	221	.....	587	2448	11548	7177	5953	5330	5809	473	428	345
31	209	.....	887	.....	11818	.....	5979	5985	.....	475	.....	396
Mean	278	264	828	1304	4281	11049	5246	5527	3886	1926	398	419
Max.	377	312	1571	2448	11818	13777	7240	5985	6233	7144	600	749
Min.	209	155	276	675	2410	7177	1740	3695	2005	367	70	86
A. F.	17120	14690	51560	77615	263265	657520	322575	339865	231215	118415	23715	25770

Total Acre-Feet 2,143,325

Record furnished by U. S. Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, OUTFLOW OF GUERNSEY RESERVOIR

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	315	371	310	1075	885	14100	7450	5750	5650	5450	450	330
2	410	377	337	1180	1045	14050	7530	5300	5650	1425	600	375
3	430	294	272	1200	1210	13650	7250	5150	5750	1575	670	405
4	405	376	313	1210	1325	10700	7050	5200	5775	1550	675	420
5	397	390	294	1202	1305	9745	7100	5200	5700	1425	590	400
6	375	359	294	1190	1475	10150	6850	5150	4600	1050	525	365
7	400	373	295	1075	2400	10300	6650	5200	3850	1625	475	400
8	390	335	336	1115	2375	10550	6350	5225	3650	1575	365	340
9	370	323	337	1150	2500	11000	6300	5075	3680	325	370	420
10	375	293	257	1098	2575	12200	4830	5075	3675	531	285	395
11	380	322	280	1120	3725	12350	5350	5475	3475	440	395	437
12	350	321	750	1090	2800	12300	5400	5950	3375	410	365	464
13	285	326	1150	1140	3000	12450	5450	5775	3300	325	390	541
14	344	321	1525	1033	2950	13050	6150	5775	3225	600	410	581
15	365	321	1885	1075	3000	13300	5600	5800	3075	800	315	575
16	385	298	2180	1074	3575	13550	5600	5825	2975	875	405	563
17	345	278	2230	1030	4375	13700	5550	5750	3325	1000	305	584
18	360	366	2225	1050	4700	13200	5600	5575	3250	950	450	517
19	360	356	1850	1065	4575	12950	5300	5575	3250	875	335	492
20	340	345	1825	1040	4375	11200	4990	5540	3150	600	405	440
21	440	342	1850	925	3875	10000	4400	5540	3075	790	475	446
22	431	320	1760	1050	3875	10600	4700	5520	3000	650	445	333
23	440	323	1765	1060	3850	10600	5250	5550	3325	540	375	462
24	403	272	1425	975	3850	9700	5750	5550	3400	525	285	511
25	343	318	840	1020	3650	8000	6300	5600	3250	570	355	348
26	371	290	1865	1060	3400	7800	6150	5650	3050	600	380	372
27	292	265	1725	1125	4450	8000	6100	5650	3550	450	370	492
28	382	318	1645	1305	6950	7900	6150	5450	5700	575	295	480
29	381	.....	615	1825	10600	7700	6200	5575	8300	500	320	339
30	380	.....	310	560	11200	7200	6275	5700	6550	415	370	345
31	373	.....	490	.....	12050	.....	6050	5750	.....	475	.....	512
Mean	374	328	1072	1120	3933	11066	5989	5513	4119	945	426	441
Max.	440	390	2230	1825	12050	14100	7530	5950	5775	5450	600	584
Min.	285	265	257	560	885	7200	4400	5075	2975	325	285	330
A. F.	23040	18235	65920	66660	241830	658510	368285	338980	245120	58110	25090	27140

Total Acre-Feet 2,136,920

Record furnished by U. S. Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, ABOVE WHALEN, WYOMING

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	409	325	258	1372	1027	13564	8476	5728	5589	6124	453	91
2	424	307	307	959	1203	13277	8456	5663	5725	1578	735	83
3	418	332	250	1181	1235	12826	7852	5385	5541	1589	770	61
4	400	366	273	1224	1465	11057	7706	5496	5525	1642	751	144
5	432	328	294	1183	1351	9561	7642	5574	5562	1540	566	56
6	387	289	280	1181	1388	9561	7584	5459	5728	1256	500	46
7	437	205	301	1176	2858	9526	7412	5444	4171	1663	378	46
8	418	303	299	1319	2992	9610	6777	5499	4050	1546	348	329
9	433	283	298	1369	2986	9860	6295	5357	3876	912	414	401
10	443	267	233	1300	3080	10735	4709	5238	3811	512	327	369
11	448	255	290	1344	3142	10947	5659	5561	3809	538	431	401
12	440	265	675	1344	3580	10953	5659	6127	3544	622	447	383
13	410	251	854	1421	3861	11030	5725	5967	3555	480	427	497
14	400	284	932	1196	3838	11200	5828	5922	3545	600	459	458
15	396	239	982	1237	3623	11633	5880	5845	3271	737	399	503
16	384	297	1461	1094	4036	11907	5790	6016	3648	724	431	561
17	410	219	1784	1350	5314	12082	5740	5653	3560	755	359	560
18	425	184	1773	1340	5579	11704	5781	5609	3619	789	488	406
19	380	354	1822	1370	5387	11281	5648	5655	3389	717	591	414
20	360	248	1795	1250	5141	10677	5432	5469	3371	548	511	326
21	380	311	1825	1080	4642	10019	4759	5478	3344	642	415	345
22	400	235	1755	1320	4684	10251	4807	5475	3152	634	359	283
23	200	304	1697	1335	4665	10362	5098	5439	3582	585	313	382
24	438	253	1672	1103	4496	9684	5593	5495	3867	497	277	481
25	173	233	300	1450	4052	8490	5985	5537	3503	528	270	362
26	268	273	1865	1340	3944	8018	5872	5589	3328	530	369	314
27	285	233	1747	1435	4885	8265	5799	5607	3398	437	421	461
28	303	259	1626	2305	7095	8316	5879	5625	5443	561	343	437
29	333	.....	932	2320	9992	8271	6028	5783	7617	460	345	323
30	427	.....	322	747	11872	8263	5866	5595	7306	409	345	324
31	289	.....	280	.....	13190	.....	5771	5740	.....	506	.....	371
Mean	380	274	940	1321	4400	10431	6180	5610	4310	990	427	330
Max.	448	366	1865	2320	13190	13564	8476	6127	7617	6124	770	561
Min.	173	184	250	747	1027	8018	4709	5238	3152	409	270	46
A. F.	23306	15277	57882	78636	271010	620696	379856	345188	256726	60816	26265	20267

Total Acre-Feet 2,155,925

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, PASSING WHALEN, WYOMING

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	409	275	164	1372	240	11210	4901	2208	1976	4647	384	51
2	424	260	231	959	353	11297	4856	2068	2142	550	697	45
3	418	282	195	1181	305	11046	4262	1805	1968	525	770	21
4	400	316	186	1224	515	9292	4081	1901	1980	600	751	83
5	432	282	208	1183	401	7725	3992	1959	2106	550	566	13
6	387	252	280	1181	425	7796	3909	1864	2681	450	500	26
7	437	159	301	1176	1901	7761	3742	1859	2072	677	340	26
8	418	173	253	1319	2028	7875	3117	1949	1996	755	203	309
9	433	187	253	1369	1949	8155	2625	1772	1996	692	295	381
10	443	186	208	1300	2123	8970	2213	1643	1965	425	227	349
11	448	150	290	1344	2185	9043	2050	1956	1947	450	339	381
12	440	150	675	1433	2543	8891	2015	2532	1809	500	363	363
13	410	150	854	1421	2810	8816	2085	2382	1837	480	343	477
14	400	173	932	1196	2781	8970	2390	2292	1827	600	375	438
15	396	150	982	1237	2486	9347	2240	2226	1539	664	315	483
16	384	222	1461	964	2909	9501	2150	2394	1995	640	347	541
17	410	150	1784	850	3980	9502	2100	2028	2007	662	274	540
18	425	150	1772	740	4189	9043	2141	1974	2039	714	435	369
19	380	236	1822	770	4094	8446	1997	2022	1899	644	551	350
20	360	150	1795	850	3748	7729	1792	1836	1797	508	471	246
21	380	195	1825	680	3149	7050	1119	1860	1707	592	358	265
22	400	150	1755	870	3141	7177	1167	1872	1473	544	253	203
23	200	231	1697	835	3122	7177	1458	1836	1847	528	169	397
24	207	195	1672	1020	2782	6505	1953	1872	2015	467	138	426
25	88	150	300	1450	2177	5319	2345	1914	1653	484	169	332
26	177	173	1865	940	2045	4737	2257	1956	1503	482	280	284
27	225	150	1747	935	2912	4952	2184	1974	1569	369	318	431
28	257	177	1626	1805	5058	4901	2304	1992	3618	492	255	407
29	288	.....	932	1790	7848	4805	2488	2150	5965	388	277	293
30	377	.....	322	210	9666	4725	2366	1962	5838	341	289	294
31	245	.....	280	.....	10882	.....	2231	2100	.....	435	.....	341
Mean	358	195	926	1117	3060	7925	2600	2005	2226	673	368	293
Max.	448	316	1865	1805	10882	11297	4901	2394	5965	765	697	541
Min.	88	150	164	210	245	4725	1119	1643	1473	341	138	13
A. F.	22013	10858	56863	66477	187940	471603	159731	123290	132490	41365	21923	18004

Total Acre-Feet 1,312,557

Record furnished by U. S. Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT TORRINGTON, WYOMING

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	600	700	500	1000	2700	13600	5600	2250	2200	4000	1100	925
2	600	700	500	1450	2750	14200	5700	2400	2375	2725	1150	925
3	600	700	500	1450	2800	14000	5200	2050	2225	1650	1200	925
4	700	700	500	1450	2800	13400	5100	2050	2075	1400	1275	925
5	725	700	600	1600	2850	10800	5100	2050	2200	1400	1250	1050
6	700	700	600	1800	2900	10600	4800	2000	2450	1300	1200	1000
7	600	700	600	2200	2900	10450	5000	1900	2725	1275	1150	1000
8	700	700	600	2200	2950	10450	4800	2200	2550	1250	1100	950
9	700	700	600	2100	3000	10450	4400	2000	2400	1200	1100	950
10	650	700	600	2200	3500	10900	4300	1850	2275	1150	1050	950
11	700	600	650	2000	3500	11300	3400	1850	2250	1100	1050	950
12	650	600	720	1800	3800	11000	2950	2450	2150	1075	1100	1050
13	650	600	1080	1800	3800	11500	2950	2450	2075	1050	950	1100
14	600	600	1450	1800	3800	10900	3600	2300	2025	1000	950	1050
15	650	600	1600	1800	4000	11700	3600	2300	2025	1150	950	1075
16	650	600	2200	1650	4300	11700	2900	2450	1900	1200	950	1150
17	700	600	2200	1800	5100	11500	2850	2450	2050	1275	950	1200
18	650	600	2250	2000	5900	11500	2800	2200	2000	1275	950	1200
19	630	600	2400	2250	6100	10900	2900	2200	1925	1300	950	1200
20	630	600	2200	2450	6000	10100	2400	2100	1850	1275	900	1200
21	630	500	2400	2400	4800	8500	2400	2050	1850	1250	900	1200
22	630	500	2400	2400	4500	8700	1750	2050	1750	1200	900	1200
23	630	500	2400	2450	4250	9000	1850	2050	1750	1200	875	1200
24	630	500	2200	2500	4100	8600	2200	2200	1925	1200	850	1200
25	630	500	1850	2500	3900	7400	2900	2050	1700	1200	850	1200
26	630	500	2100	2550	3800	6500	3200	2100	1875	1175	925	1200
27	630	500	2050	2600	4000	5700	2800	2250	1750	1150	925	1200
28	630	500	2100	2600	6200	5600	2850	2250	2950	1150	925	1200
29	630	.....	2100	2650	9700	5300	2800	2450	5500	1100	950	1200
30	630	.....	1000	2700	12300	5300	2800	2350	6300	1075	950	1200
31	630	.....	850	.....	12900	.....	2700	2250	.....	1075	.....	1200
Mean	645	607	1410	3071	4700	10531	3500	2180	2368	1350	1010	1100
Max.	700	700	2400	2700	12900	14200	5700	2550	6300	2725	1275	1200
Min.	630	500	500	1000	2700	5300	1750	1900	1700	1000	850	925
A. F.	39700	33720	86877	123164	289392	598124	215408	134580	140928	82960	60150	67389

Total Acre-Feet 1,872,392

Highest gage height 6.21, June 2, 1929

Lowest gage height 1.10, Feb. 19, 1929

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT WYOMING-NEBRASKA LINE

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	1800	15800	5560	2820	2450	5340	1020	816
2	.....	.....	.....	.....	1890	17600	5780	2630	2330	4640	1010	890
3	.....	.....	.....	.....	1760	16000	5560	2230	2480	2720	1050	890
4	.....	.....	.....	.....	1710	15300	5090	2090	2330	1490	1060	816
5	.....	.....	.....	.....	1990	11800	4810	1860	2400	1440	1100	880
6	.....	.....	.....	.....	1970	11200	4850	1990	2700	1370	1100	890
7	.....	.....	.....	.....	2130	10700	4850	1970	3320	1280	1110	848
8	.....	.....	.....	.....	2900	10500	4450	1990	2900	1350	1060	848
9	.....	.....	.....	.....	3070	10500	4090	2050	2820	1560	1040	869
10	.....	.....	.....	.....	3360	10400	4780	1840	2700	1280	1020	880
11	.....	.....	.....	.....	3440	11700	3170	1780	2600	1200	956	912
12	.....	.....	.....	.....	3570	10700	2730	1900	2330	1130	967	901
13	.....	.....	.....	.....	3680	10900	2630	2430	2280	1060	978	901
14	.....	.....	.....	.....	3880	11100	2940	2280	2190	956	934	912
15	.....	.....	.....	.....	3770	11400	3140	2260	2210	967	923	901
16	.....	.....	.....	.....	3770	11800	2940	2120	1880	1120	901	890
17	.....	.....	.....	.....	4670	11700	2820	2280	1880	1100	890	912
18	.....	.....	.....	.....	5150	11700	2940	1970	2030	1120	880	1010
19	.....	.....	.....	.....	5720	10800	2920	1990	2140	1190	890	923
20	.....	.....	.....	.....	5520	10100	2900	2050	1920	1240	967	880
21	.....	.....	.....	.....	4610	8000	2610	1970	1920	1110	1110	967
22	.....	.....	.....	.....	4050	8000	1910	1900	1800	1060	989	945
23	.....	.....	.....	.....	3800	8830	1880	1860	1690	1040	967	1020
24	.....	.....	.....	.....	3880	8880	2000	1990	1800	1040	838	945
25	.....	.....	.....	.....	3410	7240	2500	2080	1800	1040	838	912
26	.....	.....	.....	2090	3170	5830	3250	2100	1710	1040	838	890
27	.....	.....	.....	1460	3000	5720	2940	2210	1610	1010	838	848
28	.....	.....	.....	1880	4110	5600	3170	2360	1950	1000	880	848
29	.....	.....	.....	2300	7960	5520	3000	2310	4330	989	901	880
30	.....	.....	.....	2470	12800	5560	3120	2430	6460	1010	816	858
31	.....	.....	.....	.....	13700	.....	3000	2360	.....	967	.....	848
Mean	.....	.....	.....	2040	4200	10400	3490	2130	2430	1450	962	895
Max.	.....	.....	.....	2470	13700	17600	5780	2820	6460	5340	1110	1020
Min.	.....	.....	.....	1460	1710	5520	1880	1780	1610	956	816	816
A. F.	.....	.....	.....	20200	258000	619000	215000	131000	145000	89200	57200	55000

Highest gage height 5.99, June 2, 1929

Lowest gage height 1.43, Dec. 1, 1929

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT MITCHELL, NEBRASKA
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	*700	*1000	*800	1325	2600	13200	4300	1450	1200	7900	1600	1300
2	700	1000	800	1475	2350	18300	4500	1300	1200	6850	1600	1300
3	700	1000	800	1650	2350	15800	4500	1100	1250	3700	1600	1400
4	700	1000	800	1725	2475	15300	3900	1000	1225	2600	1600	1400
5	700	1000	800	1725	2475	12200	3500	1000	1225	2300	1750	1400
6	700	1000	800	1825	2475	10700	3500	1000	1475	2100	1700	1400
7	700	1000	800	1950	2475	10500	3500	950	2200	1850	1700	1350
8	700	1000	800	2150	3100	10700	3500	900	2400	1850	1750	1300
9	700	1000	800	2050	3100	10700	3200	850	2400	2100	1625	1300
10	700	1000	800	2150	3400	10900	3200	775	2300	1950	1625	1300
11	700	1000	1000	2050	3700	11750	2550	700	2200	1750	1625	1400
12	700	1000	1000	1950	3700	11750	2200	700	2000	1750	1625	1400
13	700	1000	1000	1950	4000	11750	2050	900	2100	1500	1625	1400
14	700	1000	1000	2150	4200	11750	2200	950	2100	1500	1625	1400
15	700	1000	1000	1825	4000	11550	2300	1000	2100	1500	1550	1400
16	700	1000	1550	1950	4200	11550	2200	950	1975	1500	1550	1400
17	700	1000	1825	1950	4350	11125	2050	1000	1850	1650	1550	1400
18	700	1000	2025	1950	4900	11125	2050	1050	1975	1650	1625	1400
19	700	1000	2100	2150	5500	10250	1950	950	1975	1750	1550	1400
20	700	1000	2100	2700	5500	9400	1850	950	2000	1650	1550	1400
21	700	1000	2300	2475	5100	8100	1650	950	1975	1650	1550	1400
22	700	1000	2300	2475	4200	7275	1400	900	1750	1500	1550	1400
23	700	1000	2300	2475	3875	7900	1100	900	1675	1750	1550	1400
24	700	1000	2100	2700	3550	8100	1100	850	1575	1500	1550	1400
25	700	1000	2025	2475	3000	7250	1400	850	1750	1450	1550	1400
26	700	1000	1575	2475	2700	5500	1650	850	1675	1450	1500	1400
27	700	1000	1825	2350	2475	4700	1650	900	1700	1450	1500	1400
28	700	1000	2025	2250	3250	4700	1550	1000	1850	1450	1500	1400
29	700	.....	2100	2475	6125	4500	1550	950	6200	1600	1300	1400
30	700	.....	1950	2600	10200	4300	1650	1000	7900	1600	1300	1400
31	700	.....	1475	.....	12375	.....	1550	1100	.....	1600	.....	1400
Mean	*700	*1000	1438	2113	4120	10088	2428	957	2176	2140	1575	1382
Max.	700	1000	2300	2700	12375	18300	4500	1450	7900	7900	1750	1400
Min.	700	1000	800	1325	2350	4300	1100	700	1200	1450	1300	1300
A. F.	43042	55538	88415	125754	253293	600257	149258	58961	129523	131704	93770	84992

Total Acre-Feet 1,814,507 Highest gage height 5.95, June 2, 1929

*Estimated on account of ice Lowest gage height 0.75, Aug. 12, 1929

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT MINATARE, NEBRASKA
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1400	1000	1200	2200	2850	12850	4450	1700	1550	9300	2050	1800
2	1400	1050	1200	2200	2825	16300	4525	1500	1475	8350	1900	1800
3	1400	1050	1200	2000	2850	16800	4525	1450	1700	6850	2000	1800
4	1400	1050	1200	2300	2850	16200	4300	1475	1750	3050	2050	1800
5	1400	1050	1200	2300	3350	14700	3625	1250	1725	2850	2100	1800
6	1400	1050	1500	2200	3050	12750	3600	1250	2850	2800	2125	1800
7	1400	1050	1500	2250	3000	12250	3575	1100	3600	2525	2150	1800
8	1400	1050	1500	2700	3350	11800	3600	1175	4400	2475	2150	1800
9	1400	1050	1500	2700	3750	11500	3550	1325	4000	2675	2150	1800
10	1400	1050	1500	2750	4125	11300	3575	1250	3600	2850	2125	1800
11	1400	1050	1500	2700	4125	11500	3600	1250	3800	2500	2125	1900
12	1300	1050	1500	2700	4650	11825	2000	1100	3400	2300	2100	1900
13	1200	1050	1500	2700	4650	11825	1750	1200	3475	2275	2050	1900
14	1100	1050	1500	2700	4675	12000	2300	1225	3475	2250	2050	1900
15	1000	1050	1500	2600	5200	11800	2450	1300	3525	2250	2100	1900
16	900	1050	2100	2600	5200	11825	2025	1300	3200	2250	2125	1900
17	800	1050	2100	2400	4950	11825	2000	1175	2850	2400	2075	1900
18	700	1050	2100	2400	5800	11325	1750	1275	3000	2500	2075	1900
19	600	1050	2100	2400	6750	10300	1700	1050	2975	2700	2050	1900
20	600	1050	2100	3600	6750	9400	1750	1125	2950	2550	2050	1900
21	600	1150	2100	3400	6300	8400	1550	1125	2850	2500	2075	1900
22	600	1150	2100	3400	4675	8000	1300	1125	2675	2500	2100	1900
23	600	1150	2100	3400	4125	7725	900	1025	2525	2275	2100	1900
24	600	1150	2100	3500	3750	8350	875	1050	2025	2275	2050	1900
25	600	1150	2100	3400	3000	7200	925	1175	2250	2250	2000	1900
26	600	1150	2100	3000	2825	5950	1300	1150	2300	2250	2050	1900
27	700	1150	2100	3000	2650	4525	1750	1150	2375	2000	2050	1900
28	700	1150	2100	2800	2825	4510	1700	1400	2475	2000	2050	1900
29	800	.....	2100	2700	6750	4500	1950	1300	3050	2275	2050	1900
30	800	.....	2100	3200	9700	4500	1900	1500	*7000	2275	2050	1900
31	900	.....	2100	.....	12600	.....	1900	1500	.....	2250	.....	1900
Mean	1036	1070	1760	2720	4630	10457	2470	1250	2960	2960	2070	1867
Max.	1400	1150	2100	3600	12600	16800	4525	1700	4400	9300	2150	1900
Min.	600	1050	1200	2200	2650	4500	875	1050	1475	2000	1900	1800
A. F.	61687	59902	108299	163440	285525	622273	152134	77307	176184	183573	123324	114844

Total Acre-Feet 2,128,492 Highest gage height 4.50, June 3, 1929

*Guernsey Reservoir opened for painting gates Lowest gage height 0.79, Aug. 12, 1929

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT BRIDGEPORT, NEBRASKA

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1600	2100	2600	1925	3100	11400	4050	2200	2200	9200	2750	2150
2	1600	1900	3100	1925	2950	15300	4050	2200	2200	8900	2725	2000
3	1950	1900	3400	2000	2800	20220	4050	2200	2350	7500	2700	1700
4	2400	1900	4000	2400	2600	18300	4750	1900	2500	4300	2675	1900
5	2900	1900	3600	2600	2800	16500	4050	2100	3150	3300	2650	2000
6	3100	2100	3600	2400	2950	14700	3850	1875	3800	3100	2625	2300
7	3100	2250	3100	2150	2950	13500	3850	1950	4900	3100	2600	2300
8	3275	1900	2400	2150	3400	13200	3850	1950	4500	3250	2575	2150
9	3275	1600	2400	2400	4000	12900	3850	1875	4500	3250	2550	2150
10	2900	1775	2150	2600	3800	12300	3625	1750	4500	3500	2500	2200
11	2500	1900	1700	2500	4000	12300	3275	1750	4500	3650	2450	2200
12	2400	2100	1500	2500	4000	12900	2750	1650	4300	3500	2400	2150
13	1800	2100	1450	2500	4000	12550	2050	1400	4300	3250	2350	2200
14	1350	2100	1450	2400	4800	12300	1850	1550	4050	3100	2350	2200
15	1050	2100	1600	2400	4600	12900	1850	1650	4050	2900	2300	2300
16	1050	1900	2150	2275	4200	12550	1850	1650	3650	2800	2200	2300
17	1050	1775	2275	2275	4000	12900	2325	1650	3400	2900	2200	2150
18	1050	1350	2500	2400	4200	12550	2325	1650	3400	2900	2200	1800
19	275	1100	2600	2600	4800	12900	2225	2100	3400	2900	2200	1800
20	650	1350	2600	3275	5300	12300	2200	1750	3400	2900	2300	1800
21	600	1600	2800	3275	5300	11700	1875	1650	3400	2900	2300	1800
22	500	1600	2950	3100	4800	10800	1750	1650	3300	2900	2300	1800
23	1400	1350	2950	3400	4000	9575	1650	1550	2900	2900	2300	1800
24	1200	1350	2950	3600	3600	9000	1275	1550	2750	2800	2200	1800
25	1100	1000	2800	3100	3275	9000	1350	1550	3300	2800	2300	1800
26	1100	875	2800	3100	2950	7475	1550	1650	3100	2800	2300	1800
27	1200	775	2400	2800	2800	5950	1975	1750	3100	2600	2300	1800
28	1400	675	2500	2500	2600	4750	2200	2100	2400	2600	2350	1800
29	1525	.....	2500	2600	2800	4300	2200	2100	6300	2775	2300	1800
30	1700	.....	2500	3100	4800	4050	2200	2100	8900	2800	2300	1800
31	1525	.....	2400	.....	8450	.....	2200	2100	.....	2775	.....	1800
Mean	1695	1610	2570	2604	3880	11700	2680	1825	3750	3570	2400	1985
Max.	3275	2250	4000	3600	8450	20220	4750	2200	8900	9200	2750	2300
Min.	275	675	1450	1925	2600	4050	1275	1450	2200	2600	2200	1700
A. F.	104183	91885	158134	155209	239260	696347	164432	112167	225127	219870	143099	122084

Total Acre-Feet 2,431,797

Highest gage height 9.30, June 3, 1929
Lowest gage height 5.35, July 24, 1929

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT OSHKOSH, NEBRASKA

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2200	1200	1000	3050	3500	12450	3950	2350	1725	6500	3200	2600
2	2200	1300	2000	3050	3950	14000	3950	2150	1725	9900	3100	2600
3	2150	1400	3000	2675	3500	16100	3450	2150	2025	8800	2800	2600
4	2100	1500	3500	2675	3500	19150	3700	1975	2025	7200	2500	2600
5	2050	1600	4000	3050	3725	16850	3950	1850	2175	4200	2500	2600
6	2000	1700	3700	3050	3950	14800	3450	1550	3050	3600	2500	2600
7	1950	1800	3200	3050	3950	12250	3450	1800	3050	3000	2500	2600
8	1900	1900	3150	3050	4200	9350	3450	1650	2650	3000	2550	2600
9	1850	2000	2500	3300	3950	9350	3200	1450	6100	3200	2500	2600
10	1800	2100	2500	3950	6100	9350	3200	1450	5750	3200	2500	2600
11	1750	2200	2200	3950	5050	9350	3200	1650	4750	3500	2550	2600
12	1700	2300	1850	3700	5050	9350	2975	1800	5050	3500	2550	2600
13	1650	2400	1600	3050	4750	9950	2550	1200	4450	3200	3000	2600
14	1600	2400	1500	3175	4900	9950	2350	1225	3950	3200	3000	2600
15	1550	2400	1500	3300	5050	12250	2150	1255	3950	3000	3100	2600
16	1500	2300	1700	3300	5050	9350	2150	1500	3950	3000	2500	2600
17	1450	2200	2250	3500	5050	12250	2150	1500	3500	2800	2400	2600
18	1400	2000	2350	3050	5050	12250	2150	1500	3500	2800	2300	2600
19	1350	1900	2500	3950	6125	11400	2150	1600	3500	3200	2300	2600
20	1300	1800	2700	5050	7200	10500	2150	1950	3500	3200	2350	2600
21	1250	1600	2900	5050	7950	9650	2150	1550	3500	3200	2300	2600
22	1250	1400	2900	5050	7200	9000	2150	1500	3250	3000	2150	2600
23	1250	1300	3000	4200	6100	8350	2150	1375	3050	2800	2150	2600
24	1250	1200	3200	5750	5050	8350	1450	1300	2875	3000	2500	2600
25	1250	1100	3400	4450	4450	9000	1425	1300	2675	3200	2700	2600
26	1200	1000	3500	4750	4200	9000	1400	1375	2475	2900	2800	2600
27	1200	900	3200	3700	3950	7050	1450	1450	3050	2900	2800	2600
28	1200	800	3150	3500	3500	3150	1450	1650	3050	2950	2800	2600
29	1200	.....	3150	3300	3700	4225	2150	1725	3050	3200	2800	2600
30	1200	.....	3150	3050	6000	4050	2150	1725	3050	3200	2800	2600
31	1200	.....	3150	.....	8300	.....	2150	1850	.....	3200	.....	2600
Mean	1575	1710	2690	3650	4970	10470	2580	1620	3345	4100	2616	2600
Max.	2200	2400	4000	5750	8300	19150	3950	2350	6100	9900	3200	2600
Min.	1200	800	1000	2675	3500	4050	1400	1225	1725	2800	2150	2600
A. F.	96993	94613	165424	217639	305459	622868	158283	99780	199143	239507	155704	159473

Total Acre-Feet 2,514,886

Highest gage height 4.30, June 4, 1929
Lowest gage height 1.25, Aug. 15, 1929

DISCHARGE IN SECOND-FEET, [redacted]R, AT NORTH PLATTE, NEBRASKA

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	600	1975	3000	4700	4300	3900	3375	2050	1675	3500	3650	2900
2	700	2000	3050	4700	4100	8800	3900	1900	1700	3500	3650	2900
3	800	2050	3100	3500	4300	12000	2950	1750	1675	10000	3500	2900
4	900	2100	3150	3600	4700	13200	2750	1600	2400	10000	3500	2900
5	1000	2150	3200	3300	4900	18300	2750	1600	2800	8500	3500	2100
6	1100	2200	3250	3000	5100	18400	3375	1475	2800	6200	3300	2500
7	1200	2250	3300	3300	4900	17200	3650	1400	2900	3850	3300	2600
8	1250	2300	3250	3500	4700	18400	3375	1075	3550	3300	3650	3350
9	1300	2350	3200	3500	4700	13200	3175	1200	3825	3000	4200	3500
10	1300	2400	3150	3700	4700	12600	2950	1100	4550	2800	3850	3700
11	1350	2450	3100	4500	4700	12300	2950	1150	4950	3000	3500	3500
12	1400	2500	3050	4500	5400	12000	2950	1200	5200	3000	3500	3200
13	1400	2500	3000	3900	5400	12000	2750	1050	4875	3300	3000	3200
14	1450	2550	2950	4100	5400	12000	2750	900	4650	3300	3000	3200
15	1500	2600	2900	4100	5400	12300	3650	925	4450	3000	2800	3200
16	1550	2625	3000	4100	5400	12300	3375	875	4100	3000	3000	3200
17	1600	2650	3100	3700	5100	12300	2375	900	4050	3000	3500	3200
18	1625	2675	3200	3600	4900	11650	2375	900	4050	2800	3300	3200
19	1650	2700	3300	3600	5100	12000	2200	1300	4050	2800	3300	3200
20	1675	2725	3400	3700	4900	11650	2050	1425	4200	3000	3300	3200
21	1700	2750	3500	4100	5100	11300	1750	1425	3825	3000	3300	3200
22	1725	2775	3700	4900	5900	10300	1750	1525	3650	3100	2500	3200
23	1750	2800	4000	5400	6500	9400	2375	1700	3650	3100	1500	3200
24	1775	2825	4100	7200	6500	9050	3175	1600	3650	3100	1200	3200
25	1800	2850	4200	7200	5900	7750	2200	1500	3450	3100	1700	3200
26	1825	2875	4300	5600	4900	7425	1600	1425	3450	3000	2200	3200
27	1850	2900	4400	5100	4500	7750	1375	1300	2950	3000	2600	3200
28	1875	2950	4450	5100	4700	7075	1050	1525	2800	3100	3300	3200
29	1900	——	4450	4700	4900	5450	950	1300	3300	3500	2900	3200
30	1925	——	4100	4500	4500	3900	950	1425	3300	3650	2900	3200
31	1950	——	4300	——	4100	——	1250	1600	——	3650	——	3200
Mean	1450	2500	3489	4347	5020	11197	2520	1365	3549	3920	2960	3124
Max.	1950	2950	4450	7200	6500	18400	3900	2050	5200	10000	4200	3700
Min.	600	1975	2900	3000	4100	3900	950	875	1675	2800	1200	2900
A. F.	90100	139785	214516	258648	308633	666258	154911	83592	211193	238317	176333	192100

Total Acre-Feet 2,734,746

Highest gage height 6.00, June 5, 1929
Lowest gage height 2.47, July 29, 1929

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER, AT JULESBURG, COLORADO

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	——	——	——	854	1480	36	17	27	26	70	439	562
2	——	——	——	807	1540	44	18	27	22	74	456	562
3	——	——	——	812	1660	35	17	26	28	69	399	542
4	——	——	——	718	1580	36	18	24	37	68	378	564
5	——	——	——	646	1540	44	18	23	35	67	369	584
6	——	——	——	593	1540	53	21	23	58	57	375	634
7	——	——	——	542	1580	59	20	22	74	53	369	676
8	——	——	——	519	1610	64	19	21	88	48	400	716
9	——	——	——	658	1470	56	20	21	117	65	414	760
10	——	——	——	854	1380	49	21	19	232	60	366	748
11	——	——	——	1030	1170	48	22	19	603	54	415	733
12	——	——	——	1000	1220	44	22	16	896	54	452	679
13	——	——	——	985	9937	40	21	16	1040	45	471	618
14	——	——	——	897	827	37	25	16	984	50	482	620
15	——	——	——	713	691	42	29	15	847	53	519	585
16	——	——	——	617	573	34	33	14	712	56	531	550
17	——	——	——	469	461	30	42	14	525	58	551	505
18	——	——	——	386	377	30	32	14	390	64	564	504
19	——	——	——	457	293	24	26	18	294	91	564	481
20	——	——	——	470	236	19	25	18	242	120	509	484
21	——	——	——	466	211	17	22	16	199	178	455	468
22	——	——	——	459	189	22	87	16	160	222	293	478
23	——	——	——	538	167	20	130	15	127	244	317	478
24	——	——	——	836	141	17	65	17	97	210	346	476
25	——	——	——	1770	107	15	51	16	95	190	331	486
26	——	——	——	1880	98	19	45	14	85	184	529	496
27	——	——	——	1820	70	18	37	15	93	169	643	496
28	——	——	——	1740	64	18	31	31	81	187	650	494
29	——	——	——	1660	62	17	29	28	74	243	570	494
30	——	——	——	1580	43	17	29	25	69	349	560	494
31	——	——	——	——	35	——	29	26	——	439	——	492
Mean	*580	*850	*870	893	753	33	32	19	278	126	457	563
Max.	580	850	870	1880	1660	64	130	31	1040	439	650	760
Min.	580	850	870	386	35	15	17	14	22	45	293	468
A. F.	35700	47200	53500	53100	46300	1990	2020	1210	16500	7750	27200	34600

Total Acre-Feet 327,070

Record furnished by State of Colorado

*Estimated

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER, AT NORTH PLATTE, NEBRASKA

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	250	250	3000	900	1500	60	0	0	15	75	350	350
2	250	250	3000	900	1300	60	0	0	15	75	450	350
3	250	250	3000	900	1300	60	0	0	15	75	450	350
4	250	250	3000	750	1350	60	0	0	15	150	450	350
5	250	250	3000	750	1350	60	0	0	15	150	550	350
6	250	250	3000	650	1500	80	0	0	40	125	450	350
7	250	250	3000	700	1500	80	0	3	50	125	450	350
8	250	250	3000	700	1350	80	0	2	60	125	600	350
9	250	250	3000	700	1300	60	0	2	50	100	600	350
10	250	250	3000	750	1350	50	0	2	50	100	550	350
11	250	350	2500	750	1350	40	0	2	20	20	550	350
12	250	350	1700	850	1150	40	0	2	20	20	550	350
13	250	350	900	900	1050	30	0	2	10	20	550	350
14	250	350	700	1150	950	30	0	2	10	20	650	350
15	250	350	700	1050	900	25	0	2	10	20	650	350
16	250	350	700	1050	750	20	0	2	10	10	650	350
17	250	350	900	900	750	20	0	0	600	10	650	350
18	250	350	700	750	650	20	0	0	600	10	650	350
19	250	350	700	750	650	20	0	0	600	5	650	350
20	250	350	700	750	450	20	0	15	600	5	650	350
21	250	500	700	600	350	10	0	15	450	0	650	350
22	250	500	700	500	350	10	0	20	450	0	350	350
23	250	500	700	500	350	10	0	20	350	0	350	350
24	250	500	700	1050	250	10	0	15	300	0	350	350
25	250	500	700	900	150	10	0	10	300	0	350	350
26	250	500	800	1050	50	5	0	15	200	0	450	350
27	250	500	800	1550	60	5	0	15	200	0	650	350
28	250	500	800	1500	300	0	0	15	200	0	700	350
29	250	.....	800	1500	300	0	0	15	125	175	400	350
30	250	——	800	1500	150	0	0	15	125	350	650	350
31	250	——	600	——	60	—	0	15	——	350	——	350
Mean	250	357	1558	908	800	34	0	6	183	68	533	350
Max.	250	500	3000	1550	1500	80	0	20	600	350	700	350
Min.	250	250	700	500	50	0	0	0	10	0	350	350
A. F.	15372	19835	95800	54050	49230	2033	0	410	10920	4195	31736	21520

Total Acre-Feet 305,101

Highest gage height 4.30, Mar. 5, 1929
Lowest gage height 0.60, Mar. 15, 1929

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT OVERTON, NEBRASKA

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	800	2500	4000	5750	6800	4800	5625	30	1	2900	4300	3800
2	800	2500	4800	6050	6800	4500	3650	20	1	2900	4100	3800
3	800	2500	5000	6050	6450	4100	3650	5	1	2900	4100	3800
4	800	2500	5000	6050	5750	11900	3650	3	50	3200	3700	3800
5	800	2500	5100	6800	6250	13900	2875	3	125	7500	3600	3800
6	800	2500	5500	4825	6800	16800	3650	3	875	6500	3600	3800
7	800	2500	5500	4450	7550	18800	3375	2	1975	5700	3400	3800
8	800	2500	5500	4050	7550	17800	3125	2	2500	4700	3900	3800
9	1000	2500	5500	4300	7550	15700	3650	2	3350	3700	3900	3800
10	2000	2500	6000	4825	6800	13400	3125	2	4000	3500	3900	3800
11	2000	3500	5500	4825	6800	13000	3125	2	4275	3200	3800	3800
12	1800	3500	3500	4825	6400	12000	2900	2	4850	2900	3800	3800
13	1800	3500	3500	5750	6050	12000	2675	2	5400	3200	3800	3800
14	1800	3500	3500	5900	7900	12300	2460	2	5400	3200	3800	3800
15	1800	3500	4000	6050	6800	12300	2250	2	5100	3200	3800	3800
16	1800	3500	4000	6050	6050	12300	2250	1	4850	3200	3800	3800
17	1900	3500	3900	5750	6050	12300	2250	1	4275	3000	3800	3800
18	1900	3500	3800	5400	6800	12300	2200	1	4275	3100	3800	3800
19	1900	3500	3800	5400	6400	12000	1785	1	3800	3200	3800	3800
20	1900	3500	3800	4825	6050	12000	1375	1	4275	3200	3800	3800
21	2000	3500	5300	4675	6450	11500	1060	1	4275	3000	3800	3800
22	2000	3500	4800	4525	6050	10000	750	1	4275	3200	3800	3800
23	2000	3500	4800	5400	6800	9600	750	1	4275	3400	3800	3800
24	2000	3500	5000	10475	7900	8100	1100	1	3800	3100	3800	3800
25	2000	3500	5400	10475	6800	7300	325	1	3800	3100	3800	3800
26	2000	3500	5750	8275	6425	5000	1900	1	3800	3100	3800	3800
27	2000	3500	6050	8275	6050	6200	925	1	3375	3100	3800	3800
28	2000	3500	6050	7900	4825	7300	585	1	3375	3100	3800	3800
29	2000	——	6050	7550	9000	6900	250	1	3250	3700	3800	3800
30	2000	——	5400	7550	6800	6400	125	1	3175	4100	3800	3800
31	2000	——	5400	——	6050	——	50	1	——	4300	——	3800
Mean	*1613	*3142	4877	6100	6669	10750	2176	3	3225	3616	*3816	*3800
Max.	2000	3500	6050	10475	9000	18800	5600	30	5400	7500	4300	3800
Min.	800	2500	3800	4050	4825	4100	50	1	1	2900	3400	3800
A. F.	99175	174548	299905	363030	410088	639678	133761	194	191959	222350	227110	233656

Total Acre-Feet 2,995,454

*Estimated on account of ice

Highest gage height 5.70, June 7, 1929
Lowest gage height 1.50, Aug. 24, 1929

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT DUNCAN, NEBRASKA

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	----	----	----	4940	5630	7960	4570	136	9	2410	4690	300
2	----	----	----	4940	5380	8170	4360	56	3	2290	4280	300
3	----	----	----	4210	5560	6240	4830	29	3	2350	4030	300
4	----	----	----	4070	5630	5340	4570	19	9	3590	4410	300
5	----	----	----	4680	4650	4410	3130	16	9	3520	4280	300
6	----	----	----	4570	4560	8530	3170	16	9	4200	3520	520
7	----	----	----	4020	4700	16800	2550	12	9	3790	3290	520
8	----	----	----	3540	5380	21900	2120	12	14	8100	3480	520
9	----	----	----	3080	5560	26500	2550	12	25	7540	3400	520
10	----	----	----	3450	6920	21500	2120	12	16	6660	3590	520
11	----	----	----	3310	10400	19100	2060	12	12	5890	4930	700
12	----	----	----	3360	7760	14600	2720	12	39	5190	4030	700
13	----	----	19000	3400	6170	12000	2480	10	1450	4410	4930	700
14	----	----	11600	3080	5500	11400	2230	10	1980	3290	5450	700
15	----	----	11600	3360	4760	9780	1690	12	2480	3040	3630	700
16	----	----	8460	3470	4860	9370	1890	5	2950	2840	3560	600
17	----	----	7070	4360	5140	9370	1600	4	3040	2720	4160	600
18	----	----	5220	4090	4700	9960	1510	5	2850	2590	4280	600
19	----	----	4410	4050	4320	9600	1380	5	2670	2620	3560	600
20	----	----	3450	4270	4130	11700	1470	9	2670	2350	3300	600
21	----	----	2990	4270	4460	9600	1730	5	2760	2210	3000	600
22	----	----	2990	4980	4600	9210	1240	7	2760	2260	2000	600
23	----	----	3450	5030	4410	9600	974	5	2790	2120	2000	600
24	----	----	4680	5030	4510	9440	846	4	2670	2380	2000	600
25	----	----	4680	4920	4400	8900	858	5	2590	2440	2000	600
26	----	----	4940	12500	5750	8460	522	4	2560	2320	1200	1000
27	----	----	4940	9160	6380	7540	266	4	2620	2320	1200	1000
28	----	----	5220	11100	5630	6490	118	10	2950	2880	1200	1000
29	----	----	5810	8490	4940	5340	122	5	3280	3790	1200	1000
30	----	----	5220	6840	4070	4310	180	4	2730	4070	1200	1000
31	----	----	5220	----	6420	----	97	5	----	4640	----	1000
Mean	----	----	6370	5020	5410	10800	1930	149	1600	3570	3260	*632
Max.	----	----	19000	12500	10400	26500	4830	136	3280	8100	5450	1000
Min.	----	----	2990	3080	4070	4310	97	4	3	2120	2000	300
A. F.	----	----	240000	299000	333000	643000	119000	916	95200	220000	194000	38900

Record furnished by U. S. G. S.

Highest gage height 5.03, June 9, 1929

*Estimated

Lowest gage height 0.37, Aug. 17, 1929

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT ASHLAND, NEBRASKA

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	----	----	5300	9840	14400	13300	9190	3100	2550	5620	11300	2000
2	----	----	5300	9710	12600	15100	7150	2240	2380	5400	9870	2000
3	----	----	5300	9130	11900	14200	6560	2020	2220	5780	8920	2000
4	----	----	5300	8750	10800	13900	5990	1950	2200	5250	8080	2000
5	----	----	5300	8820	9970	14600	7150	1900	2260	5930	7590	2000
6	----	----	9200	8880	9520	11900	10200	1900	2180	6570	7480	2000
7	----	----	9200	9450	9770	14400	9070	1890	2260	5970	7060	2000
8	----	----	9200	8380	9770	20200	7330	1830	2840	6760	6850	2000
9	----	----	9200	8820	10300	20900	11300	1840	3860	6620	6760	2000
10	----	----	13100	8190	10900	21300	9260	1810	5000	10100	7760	2000
11	----	----	20000	9320	12200	21200	7760	1790	5220	5220	7770	2000
12	----	----	23100	9070	17400	20400	6450	1750	4900	5890	7830	2000
13	----	----	36000	7940	14600	18400	5880	1800	4160	8920	7940	2000
14	----	----	28500	7880	12900	16300	6040	1850	3570	8150	7000	2000
15	----	----	22100	7150	12600	15100	10800	2220	3210	7320	7000	2000
16	----	----	19300	7510	11200	14200	13000	2000	4620	6480	7000	2000
17	----	----	15800	7760	10600	14400	9450	1920	5600	6350	6300	2000
18	----	----	13900	8190	11800	15000	7760	1880	6040	6180	6480	2000
19	----	----	12400	9390	10000	27600	6100	1860	6100	6010	3000	2000
20	----	----	11400	11200	8940	21830	5880	1900	5990	6050	3000	2000
21	----	----	10600	10800	9070	17900	6740	1930	6100	6260	3000	2000
22	----	----	9390	11100	8190	17600	4710	1930	5650	6300	3000	2000
23	----	----	8750	10300	7940	15300	4710	2260	5380	6390	3000	2000
24	----	----	8690	10500	7330	13700	3860	2810	5380	6140	2470	2000
25	----	----	9640	12900	6740	11700	6920	2740	4760	6350	2270	2000
26	----	----	9840	16800	6330	11000	3940	2740	4340	6570	2920	2000
27	----	----	9710	20700	6920	11300	3060	2260	4160	6300	2000	2000
28	----	----	9390	17000	8000	14400	2450	2380	4380	6050	2000	2000
29	----	----	9190	18100	8890	11500	2050	2420	4810	6480	2000	2000
30	----	----	9510	16100	9640	10100	2400	2650	5930	8220	2000	2000
31	----	----	9320	----	15900	----	2300	2680	----	11700	----	2000
Mean	*3500	*3400	12400	10700	10600	16000	6630	2140	4270	6670	5660	*2000
Max.	3500	3400	36000	20700	17400	27600	13000	3100	6100	11700	11300	2000
Min.	3500	3400	5300	7150	6330	10100	2050	1750	2180	5180	2000	2000
A. F.	215000	189000	762000	637000	652000	952000	408000	132000	254000	410000	337000	123000

Total Acre-Feet 5,071,000

Highest gage height 6.16, Mar. 13, 1929

Record furnished by U. S. G. S.

Lowest gage height 0.00, Aug. 5, 1929

*Estimated

PATHFINDER STORAGE RESERVOIR
DAILY CONTENTS IN ACRE-FEET
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	584340	602740	629010	686110	913270	1037260	943340	621140	457730	334260	386990	406480
2	585150	603160	630730	687650	919810	1043260	932610	610640	451750	335140	387760	407680
3	585960	603570	632460	689200	925390	1050040	921200	600270	445410	336730	388530	408880
4	586770	604120	634180	690750	931400	1056240	909320	590160	439230	339030	389300	410080
5	587440	604680	635920	699020	938870	1060970	897400	580280	434800	341700	390060	411280
6	588120	605230	637660	707370	945990	1063440	885630	570320	426770	344820	390830	412480
7	588800	605780	639400	715810	952120	1065480	874190	561380	419310	347840	391600	413680
8	589340	606330	640700	724320	957680	1067290	863650	551900	411680	350810	392180	414880
9	589880	606880	642010	732940	963260	1068190	852680	542720	406780	353780	392750	415680
10	590430	607440	643310	741620	967420	1070000	841490	535790	403700	355940	393340	416480
11	590970	608130	644620	750400	970340	1072940	831030	528290	400160	358020	393920	417290
12	591650	608830	646220	760760	973890	1073840	821700	520730	393820	360110	394500	418100
13	592330	609520	647840	771250	976830	1072710	812160	514230	388810	362210	395080	418600
14	593010	610220	649450	781850	979560	1070680	803040	509030	383660	364030	395660	419110
15	593690	610910	651510	792570	982090	1067290	793610	511200	378490	365850	396150	419610
16	594380	612160	653720	802700	983780	1064120	784610	513500	373640	367670	396640	420120
17	595060	613420	655930	812940	986530	1059400	775680	514720	370050	369500	397130	420630
18	595750	614670	658150	823310	990130	1055120	767010	515940	367210	371160	397620	421140
19	596430	615920	660370	830130	992900	1048840	757910	515450	364210	372810	398110	421650
20	597120	617180	662600	836250	996310	1042590	747240	513620	360840	374380	398600	422050
21	597800	618440	664830	841490	999310	1035040	736360	510840	357750	375690	398090	422560
22	598350	619720	666780	846410	1001450	1027310	725130	507590	354500	376990	399770	423070
23	598900	621000	668730	851570	1004680	1019210	714370	504000	350360	378300	400460	423580
24	599450	622280	670690	857680	1009640	1010720	704050	499850	346240	379620	401140	424090
25	599860	623570	672650	865520	1013320	1002740	693700	495850	341880	380560	401830	424610
26	600270	624860	674620	873060	1018330	995030	684110	491770	338410	381500	402520	425120
27	600680	626150	676600	881230	1022700	986110	674320	487840	336110	382440	403210	425430
28	601090	627430	678580	889660	1024450	976410	663780	481460	334880	383380	403900	425740
29	601500	———	680570	898370	1025770	964930	653130	475690	334260	384330	404600	426050
30	601920	———	682570	905990	1028850	954590	642300	469980	334440	385280	405290	426360
31	602330	———	684570	———	1031280	———	631450	463550	———	386230	———	426670

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, INTO PATHFINDER RESERVOIR
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	500	300	890	870	3960	5460	1100	1080	870	510	680	690
2	500	300	960	870	3650	5810	1380	930	750	760	690	690
3	500	300	960	870	3230	6310	1220	800	670	980	690	680
4	500	370	960	870	3340	5610	970	690	570	1450	690	680
5	430	370	970	4260	3830	5000	910	900	570	1490	690	690
6	430	370	970	4300	3410	4000	920	890	410	1670	690	690
7	430	370	970	4350	3020	3820	1040	1220	350	1700	690	690
8	360	370	750	4380	2720	3710	1270	1050	200	1660	590	690
9	360	370	750	4440	3380	3270	1100	730	620	1700	580	480
10	360	370	750	4470	3110	3710	910	1710	870	1250	600	480
11	360	440	750	4520	2470	4270	600	1340	580	1140	590	480
12	430	440	900	5320	2850	4400	690	990	510	1170	590	490
13	430	440	910	5380	2650	4840	690	1470	530	1150	590	330
14	430	440	900	5440	2520	4390	530	1900	380	1010	590	330
15	430	440	1130	5500	2100	4080	780	4490	320	930	550	330
16	440	720	1210	5200	1940	4260	1070	4530	470	1000	550	330
17	430	730	1210	5250	2000	3560	1140	4030	330	1010	550	330
18	440	720	1210	5320	2390	3700	1210	3615	500	930	340	330
19	430	720	1210	3530	2020	2980	920	2775	460	920	330	330
20	440	730	1220	3090	2480	3120	580	2135	220	880	335	380
21	430	730	1220	2640	2500	3140	780	1645	410	870	330	430
22	370	740	1070	2570	1580	2920	620	1335	320	950	430	430
23	370	740	1070	2690	2130	2710	820	1215	290	960	420	430
24	370	740	1080	3170	3220	2600	1020	895	260	960	430	430
25	300	740	1080	4040	2690	2810	1030	975	140	770	435	420
26	300	740	1080	3890	3260	2970	1340	895	120	770	430	420
27	300	740	1090	4380	2970	2310	1370	855	400	770	435	340
28	300	740	1090	4520	2630	2000	860	485	520	770	435	350
29	300	———	1090	4680	3440	1100	870	915	730	780	440	340
30	300	———	1100	4150	4350	1630	720	965	990	780	435	340
31	300	———	1100	———	4210	———	750	670	———	780	———	350
Mean	396	543	1024	3832	2921	3681	943	1552	479	1047	530	464
Max.	500	740	1210	5500	4350	6310	1370	4530	990	1700	690	690
Min.	300	300	750	870	1580	1100	530	485	120	510	330	330
A. F.	24340	30190	62780	228020	179605	219080	58000	95455	28485	64405	31370	28560

Total Acre-Feet 1,050,290

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, OUTFLOW OF PATHFINDER RESERVOIR

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	90	90	90	90	90	2510	6450	5980	3700	530	300	86
2	90	90	90	90	90	2500	6430	5960	3690	370	300	86
3	90	90	90	90	90	2500	6520	5790	3680	270	300	77
4	90	90	90	90	90	2510	6530	5730	3690	250	300	77
5	90	90	90	90	90	2510	6510	5720	3150	120	300	86
6	90	90	90	90	90	2520	6490	5710	3950	80	300	86
7	90	90	90	90	90	2520	6490	5690	3970	90	300	86
8	90	90	90	90	90	2500	6230	5670	3950	90	300	86
9	90	90	90	90	1070	2500	6120	5210	3040	90	300	75
10	90	90	90	90	1010	2500	6100	5060	2290	95	300	75
11	90	90	90	90	1000	2530	5620	5040	2270	95	300	75
12	90	90	90	90	1000	3400	5340	5020	3550	95	300	75
13	90	90	90	90	1000	4840	5360	5010	2919	95	300	75
14	90	90	90	90	1000	4960	5340	4590	2840	95	300	75
15	90	90	90	90	1000	5450	5330	3830	2830	15	300	75
16	90	90	90	90	1000	5520	5330	3310	2810	80	300	75
17	90	90	90	90	550	5520	5270	3300	2070	90	300	75
18	90	90	90	90	490	5520	5270	2915	1840	90	95	75
19	90	90	90	90	500	5920	5290	2855	1830	90	86	75
20	90	90	90	90	500	6290	6010	2855	1840	90	86	174
21	90	90	90	90	500	6530	6030	2855	1850	210	86	174
22	90	90	90	90	500	6530	6020	2855	1850	300	86	174
23	90	90	90	90	500	6530	6000	2855	2260	300	72	174
24	90	90	90	90	500	6510	5990	2855	2290	300	86	170
25	90	90	90	90	500	6490	5980	2855	2280	300	80	161
26	90	90	90	90	500	6490	5960	2855	1890	300	86	161
27	90	90	90	90	500	6490	5940	2855	1510	300	86	187
28	90	90	90	90	1420	6470	5930	3655	1060	300	86	187
29	90	—	90	90	2490	6470	6010	3745	990	300	86	187
30	90	—	90	90	2530	6470	6000	3735	810	300	86	187
31	90	—	90	—	2540	—	5990	3710	—	300	—	187
Mean	90	90	90	90	752	4666	5931	4196	2556	195	207	117
Max.	90	90	90	90	2540	6530	6530	5980	3700	530	300	187
Min.	90	90	90	90	90	2500	5270	2855	810	15	72	75
A. F.	5535	5000	5535	5350	46255	277690	364725	258005	152130	11960	12310	7180

Total Acre-Feet 1,151,675

Record furnished by the United States Bureau of Reclamation.

GUERNSEY STORAGE RESERVOIR

DAILY CONTENTS IN ACRE-FEET

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	69095	61940	63700	62490	59580	49360	41840	46740	51900	37860	39630	42190
2	68865	61725	63590	62600	58820	50890	42230	47490	52100	37890	39940	42210
3	68750	61510	63150	62600	57520	51980	42600	48150	52260	38020	40390	42230
4	68750	61180	63040	62600	55460	52950	43400	48780	52280	38240	40620	42270
5	68750	60855	62930	62710	53590	53570	44030	49320	52260	38170	40800	42280
6	68865	60530	63040	62930	51640	53920	44990	50300	52240	37680	40980	42100
7	68405	60530	63040	63590	50260	54060	45680	51460	51700	37650	41080	41820
8	67955	60960	63480	64250	48510	54100	46510	52560	51680	37500	41200	41880
9	67505	61400	63810	64250	46790	54150	47220	55310	52750	37140	41180	41690
10	67390	62050	64250	65096	45410	53880	47450	56420	54250	37060	41310	41620
11	67045	62600	64360	65986	44750	52660	47550	56700	55010	36840	41250	41510
12	66710	63150	64585	66145	44280	50620	47620	56950	54350	36750	41270	41450
13	66820	63590	61725	66260	45070	47550	47760	57220	52700	36680	41450	41490
14	66480	63700	60750	66145	45960	44260	49690	57830	51700	37170	41540	41440
15	66030	64030	60310	66145	47220	42780	49520	59970	51840	37450	41620	41580
16	65700	64250	60205	66145	48970	41860	48720	62630	51500	37500	41740	41580
17	65475	64700	60530	65920	52020	41250	47590	65290	51070	37820	41860	41520
18	65140	65360	60750	65475	55050	40580	46400	67620	50600	37940	41820	41210
19	65030	66145	60960	64096	57500	39300	45144	68000	49870	38140	41950	41080
20	64700	67160	60960	63150	59490	38210	43820	67390	47880	38350	42230	40720
21	64470	68750	61070	62358	60530	37890	42950	66210	45790	38210	42320	40560
22	64250	70370	61180	62050	61220	37840	42820	64800	43750	38350	42190	40580
23	64030	71980	61290	61896	61530	38100	42970	63260	41530	38420	42100	40250
24	63700	70020	61510	61422	61810	38600	43320	61700	38690	38640	42040	40190
25	63480	67390	61620	61026	61920	39070	43670	60200	36680	38670	41710	40210
26	63370	64920	61830	60728	61620	39670	44090	58260	36470	38550	41400	40440
27	63150	63810	62050	60684	60420	40210	44450	55890	36730	38780	41470	40440
28	62820	63920	62160	60662	57690	40780	44860	53610	36980	38900	41690	40540
29	62600	—	62380	60552	54680	41270	45160	51640	37150	39070	41840	40760
30	62380	—	62380	60184	51340	41560	45540	51100	37360	39180	41930	40800
31	62160	—	62380	—	49240	—	46170	51520	—	39350	—	40780

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, INTO GUERNSEY RESERVOIR

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	345	357	339	590	921	2731	5958	5762	3882	1615	596	471
2	317	249	345	580	832	3269	5964	5782	3847	1407	601	450
3	413	309	258	525	690	3104	5930	5808	3846	1438	600	450
4	452	281	495	575	708	3087	6002	5792	3794	1642	606	450
5	358	261	545	645	816	2938	6013	5723	3793	1635	576	415
6	480	321	530	561	786	2831	6059	5922	3774	1445	566	330
7	200	451	640	908	996	2814	5995	6012	3402	1281	583	360
8	236	692	747	998	774	3808	6041	6055	3793	1165	599	360
9	204	535	691	1060	781	2813	5981	6673	4087	1014	563	335
10	353	706	692	1389	857	2867	5793	5818	4026	822	560	358
11	294	660	580	1402	1114	2729	5721	5399	3949	712	537	320
12	159	650	639	1119	1210	2662	5706	5336	3025	698	560	350
13	444	588	456	1589	1815	2505	5887	5276	2405	626	571	390
14	213	438	459	1526	1866	2750	6620	5389	2683	727	561	364
15	194	554	678	1574	2065	3888	5586	5896	3241	616	551	369
16	259	446	510	1627	2289	4399	5244	5519	2950	525	540	380
17	268	578	688	1428	2945	4774	5102	5214	2937	516	535	350
18	290	716	636	1413	2934	4950	5071	5036	2917	552	553	256
19	265	766	671	932	2632	4951	5038	4047	2853	501	560	292
20	276	913	555	1170	2910	5243	5004	3548	2234	484	518	169
21	282	1253	620	1028	1941	5670	5256	3205	2067	446	400	286
22	299	1254	630	1124	1806	5867	5630	3139	2077	485	335	280
23	287	1290	530	1001	1679	6073	5746	3116	2085	435	340	246
24	342	707	621	976	1704	6069	5823	3106	1906	506	334	346
25	313	772	555	1006	1662	6054	5776	3007	2208	455	264	372
26	264	1028	601	1017	1585	5974	5739	3008	2481	490	249	363
27	322	1105	586	1145	1395	5967	5708	3001	2465	498	440	326
28	268	575	525	1176	1473	6008	5707	3330	2412	582	421	394
29	328	----	636	1210	1256	6015	5678	3244	2076	590	435	389
30	291	----	465	1079	1001	5693	5693	3695	1819	550	480	409
31	295	----	470	----	1596	----	5916	3940	----	570	----	361
Mean	297	659	561	1079	1501	4259	5721	4702	2968	807	501	355
Max.	452	1290	747	1627	2945	6073	6620	6673	4087	1642	606	471
Min.	194	261	258	525	690	2505	5004	3001	1819	435	249	169
A. F.	18270	36605	34500	64210	92310	253440	351785	289150	176600	49645	29820	21800

Total Acre-Feet 1,418,135

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, OUTFLOW OF GUERNSEY RESERVOIR

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	343	468	450	535	1225	2671	5817	5475	3691	1363	455	340
2	433	358	400	525	1215	2498	5768	5404	3747	1392	450	440
3	476	418	480	525	1345	2555	5743	5475	3766	1373	373	440
4	452	447	550	575	1747	2598	5599	5475	3784	1532	490	430
5	358	425	600	590	1758	2626	5695	5451	3803	1670	485	410
6	417	485	475	450	1769	2655	5575	5427	3784	1692	475	420
7	432	451	640	575	1691	2743	5647	5427	3674	1296	533	500
8	463	475	525	665	1658	2788	5623	5451	3803	1240	539	330
9	431	313	525	1060	1648	2788	5623	5287	3548	1195	573	430
10	416	378	470	962	1552	3003	5647	5258	3270	862	495	393
11	468	383	525	953	1447	3344	5671	5258	3566	823	567	375
12	328	373	525	1039	1447	3690	5671	5210	3357	743	550	380
13	384	366	1900	1531	1417	4052	5817	5140	3237	661	480	370
14	384	383	950	1584	1417	4438	5647	5081	3187	480	516	389
15	421	388	900	1574	1430	4603	5671	4817	3171	475	511	299
16	425	335	565	1627	1407	4862	5647	4178	3121	500	480	380
17	382	351	525	1541	1407	5081	5671	3873	3154	355	475	380
18	459	383	525	1637	1407	5287	5671	3892	3154	490	573	412
19	325	371	565	1627	1397	5596	5671	3855	3221	400	495	357
20	442	401	555	1647	1407	5792	5671	3855	3237	378	377	350
21	398	451	565	1427	1417	5831	5695	3800	3121	516	355	367
22	410	436	575	1275	1458	5892	5695	3855	3105	415	400	270
23	398	477	475	1235	1521	5942	5671	3892	3204	400	385	412
24	408	1696	510	1215	1563	5817	5647	3892	3338	395	364	376
25	424	2100	500	1205	1607	5817	5599	3763	3221	440	430	362
26	324	2275	495	1167	1936	5671	5527	3986	2586	550	400	247
27	433	1665	475	1167	2000	5695	5527	4198	2334	382	405	326
28	434	515	470	1187	2849	5720	5501	4479	2286	522	310	344
29	439	----	525	1265	2773	5768	5527	4237	1991	505	360	278
30	402	----	465	1265	2685	5817	5501	3967	1713	495	435	389
31	406	----	470	----	2655	----	5599	3728	----	485	----	371
Mean	410	627	586	1121	1679	4388	5648	4615	3205	775	458	373
Max.	468	2275	1900	1647	2849	5942	5817	5475	3803	1692	573	500
Min.	324	335	450	525	1215	2555	5501	3728	1713	355	310	247
A. F.	25225	34845	36050	66705	103250	261110	347180	283810	190760	47655	27245	22945

Total Acre-Feet 1,446,780

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, ABOVE WHALEN, WYOMING

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	409	585	468	520	1335	2651	5872	5529	3702	1438	394	321
2	380	550	400	490	1303	2495	5886	5454	3684	1504	323	368
3	480	610	380	500	1506	2542	5822	5539	3710	1373	372	358
4	399	535	455	480	1778	2591	5604	5522	3752	1614	498	343
5	415	558	420	460	1784	2635	5610	5499	3747	2056	483	345
6	419	616	400	300	1694	2647	5624	5486	3732	1565	515	454
7	481	601	430	470	1660	2704	5621	5409	3630	1224	557	363
8	378	619	440	480	1634	2804	5550	5434	3755	1190	525	367
9	424	441	340	732	1701	2790	5583	5370	3697	1040	484	360
10	402	436	420	1165	1559	2965	5584	5215	3340	763	497	326
11	438	572	480	1629	1495	3134	5575	5334	3520	828	671	326
12	395	517	400	1029	1465	3412	5600	5190	3517	612	555	361
13	291	457	900	1223	1441	3957	5772	5281	3232	610	568	363
14	356	497	908	1431	1435	4201	5621	5249	3166	469	537	307
15	347	467	880	1431	1429	4616	5653	5154	3201	408	520	321
16	440	467	700	1428	1423	4755	5609	4866	3107	367	275	352
17	460	457	420	1569	1409	4872	5663	4195	3129	380	533	363
18	479	471	400	1527	1402	5388	5640	4147	3131	407	646	388
19	513	480	390	1438	1413	5603	5651	4130	3184	359	496	309
20	511	488	440	1429	1409	5977	5662	3984	3218	381	309	348
21	568	496	490	1450	1419	5978	5656	3897	3113	449	387	312
22	553	500	520	1224	1477	5920	5637	3902	2951	377	380	351
23	401	430	380	1222	1536	5971	5654	3994	3140	351	287	404
24	529	1239	420	1156	1563	6087	5611	3991	3220	412	487	342
25	425	2167	470	1204	1632	5919	5550	3606	3330	424	447	283
26	481	1885	490	1128	1856	5760	5494	3675	3031	448	405	318
27	453	1934	470	1236	2134	5849	5514	4059	2298	373	293	330
28	424	460	420	1242	2864	5807	5511	4406	2204	474	290	297
29	434	.....	480	1249	2703	5802	5471	4488	1821	388	323	323
30	439	.....	400	1286	2679	5868	5489	4155	1493	380	308	372
31	500	.....	460	.....	2701	.....	5530	3795	.....	378	.....	374
Mean	440	695	486	1071	1710	4390	5600	4710	3191	744	445	340
Max.	568	2167	908	1629	2864	6087	5886	5539	3755	2056	671	454
Min.	291	430	340	300	1303	2495	5471	3603	1493	351	275	283
A. F.	27023	38748	29893	63726	104870	261227	345762	289502	189932	45704	26509	21140

Total Acre-Feet 1,444,034

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, PASSING WHALEN, WYOMING

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	379	525	468	520	180	859	2250	1915	1264	241	344	225
2	350	485	400	490	168	756	2264	1846	1315	258	273	266
3	450	540	380	500	198	738	2200	1922	1320	231	322	250
4	351	465	455	480	264	721	1979	1902	1320	416	464	222
5	369	495	420	460	270	736	1985	1894	1276	1290	436	224
6	379	560	400	300	204	754	1996	1869	1261	1245	515	321
7	431	545	430	470	198	777	1993	1810	1105	824	557	268
8	313	575	440	480	174	829	1922	1820	1200	870	525	239
9	354	410	340	732	288	728	1955	1783	1262	720	484	227
10	332	405	420	815	240	754	1960	1765	1119	466	455	205
11	360	550	480	1040	276	863	1944	1895	1348	508	636	197
12	305	505	400	440	246	969	1977	1787	1394	333	505	228
13	208	445	900	634	222	1272	2123	1890	1227	310	518	232
14	279	485	908	701	216	1387	1978	1996	1160	209	504	178
15	284	455	880	666	210	1617	2015	2010	1136	134	520	188
16	360	455	700	634	204	1644	1948	2000	1078	149	260	218
17	384	445	420	769	190	1644	2017	1900	1126	120	392	216
18	407	465	400	727	183	2020	1994	1885	1074	257	586	238
19	464	480	390	428	194	2054	2020	1879	1069	209	342	161
20	446	488	440	439	190	2387	2010	1732	1092	223	199	175
21	503	496	490	450	200	2388	2004	1680	949	283	287	154
22	488	500	520	224	169	2330	2006	1685	787	211	280	180
23	336	430	380	222	181	2394	2002	1730	895	188	249	228
24	464	1239	420	162	162	2534	1965	1713	912	312	387	173
25	360	2167	470	258	159	2319	1920	1333	970	474	350	153
26	416	1885	490	120	185	2185	1879	1324	842	388	305	195
27	388	1934	470	174	352	2237	1884	1254	526	380	214	182
28	359	460	420	180	992	2188	1884	1458	476	378	201	166
29	369	.....	480	180	732	2186	1859	1503	337	399	226	180
30	379	.....	400	210	775	2258	1875	1470	291	373	216	222
31	440	.....	460	.....	859	.....	1916	1360	.....	323	.....	225
Mean	378	675	486	470	392	1550	1990	1740	1004	409	385	206
Max.	503	2167	908	1040	992	2534	2264	2010	1394	1290	636	321
Min.	208	410	340	120	159	721	1859	1254	291	188	199	153
A. F.	23221	37466	29893	27580	18012	92288	122429	107129	61748	25432	22913	12765

Total Acre-Feet for 1930 580,876

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT TORRINGTON, WYOMING

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	950	1000	1200	850	1400	1500	2250	1900	1600	1075	950	800
2	900	1000	1100	850	1050	1500	2400	1900	1650	1050	950	900
3	900	1000	1000	850	1050	1700	2250	1900	1675	1100	900	900
4	900	1000	1000	850	1050	1650	2225	1900	1600	1300	900	800
5	900	1000	1000	750	1050	1500	2200	1900	1600	2175	900	800
6	950	950	950	850	1075	1500	2050	1950	1600	2200	975	750
7	950	850	950	950	1050	1475	2050	2150	1600	1800	975	975
8	950	850	950	1050	1075	1475	2200	2200	1600	1525	975	750
9	950	850	950	1050	1200	1500	2050	2200	1600	1525	1025	800
10	950	850	950	1375	1350	1475	2050	2350	1450	1350	1900	775
11	900	900	950	1200	1250	1500	2200	2350	1550	1525	975	775
12	900	900	1000	1200	1225	1550	2400	2350	1500	1475	1025	775
13	900	900	1050	1050	1225	1550	2225	2350	1475	1325	1025	950
14	900	900	2000	1375	1225	1800	2200	2500	1650	1200	1025	800
15	900	900	1500	1800	1225	1800	2100	3000	1625	1200	1025	775
16	850	950	1350	1500	1100	2100	2300	2500	1500	1200	1025	775
17	850	950	1100	1500	1225	2200	2450	2300	1500	1050	1025	775
18	850	950	950	1425	1225	2200	2225	2350	1625	1050	1250	750
19	900	950	850	1425	1350	2000	2250	2300	1500	1050	1150	775
20	950	950	950	1425	1250	2225	2200	2300	1625	1025	1050	750
21	950	1000	950	1350	1250	2300	2050	2300	1550	950	975	750
22	950	1000	950	1200	1225	2375	2000	2300	1475	950	975	750
23	1000	1000	850	950	1225	2500	2200	2300	1475	1000	975	750
24	1000	1000	850	950	1225	2525	2050	2300	1500	1000	975	750
25	1000	1400	875	950	1150	2400	2050	1900	1725	1025	975	725
26	950	2000	950	950	1100	2300	2000	1900	1500	1150	975	700
27	950	2400	875	950	1100	2250	1900	1900	1475	1050	900	700
28	950	1800	875	950	1550	2250	1800	2150	1300	1050	750	700
29	1000	.....	950	1050	1450	2400	1850	1925	1150	1025	750	700
30	1000	.....	875	1050	1500	2400	1800	1925	1150	1025	900	700
31	1000	.....	875	.....	1650	.....	1850	1675	.....	1025	.....	700
Mean	*935	*1080	1020	1122	1230	1930	1150	2160	1525	1240	972	780
Max.	1000	2400	2000	1800	1650	2525	2450	3000	1725	2200	1250	975
Min.	850	850	850	750	1050	1475	1800	1675	1150	950	750	700
A. F.	57422	59902	62728	66794	75522	114844	130564	133341	90894	76265	57869	47753

Total Acre-Feet 973,898

*Estimated.

Highest gage height 1.83, Aug. 15, 1930

Lowest gage height 0.44, April 5, 1930

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT WYOMING-NEBRASKA LINE

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	901	800	1200	705	1120	1480	1960	1770	1840	1100	1040	858
2	934	800	934	695	956	1410	1960	1730	1790	1110	1030	833
3	945	800	890	745	901	1460	1980	1730	1840	1250	1010	858
4	945	800	838	755	1020	1440	1890	1700	1820	1480	964	869
5	923	800	880	715	1010	1360	1890	1730	1840	1960	976	880
6	912	950	901	796	912	1300	1860	1830	1790	2250	1060	858
7	880	950	890	838	880	1250	1840	1900	1730	2230	1010	892
8	695	950	901	848	816	1340	1830	2080	1820	2020	1060	904
9	534	950	890	880	869	1290	1860	2040	1630	2020	1110	836
10	465	950	869	978	956	1160	1770	2040	1620	1940	1110	858
11	395	930	816	1080	1160	1190	1830	2120	1860	1750	1130	836
12	670	930	848	1130	1190	1260	1900	2120	1750	1730	1170	825
13	830	930	838	1050	1200	1360	1900	2080	1730	1580	1140	825
14	830	930	1020	1250	1180	1350	1830	2170	1720	1520	1060	814
15	830	930	1410	1250	1190	1450	1790	3070	1730	1410	1060	781
16	735	890	1170	1220	1180	1440	1750	2830	1730	1320	1040	738
17	735	869	1060	1170	1200	1500	1800	2480	1760	1280	964	750
18	735	890	912	1180	1230	1530	1790	2380	1730	1190	1010	738
19	735	890	880	1160	1250	1610	1800	2290	1700	1200	1130	760
20	735	869	827	1170	1310	1800	1830	2190	1630	1200	1080	792
21	715	880	806	1140	1230	1900	1860	2080	1610	1160	1000	718
22	715	848	806	1070	1100	1990	1870	2050	1480	1270	964	676
23	715	890	806	967	1020	1990	1860	2020	1440	1160	1000	696
24	715	858	775	838	1010	1900	1860	1940	1370	1270	940	696
25	715	1220	745	796	1010	1890	1840	1820	1590	1240	976	728
26	725	1860	806	775	978	1860	1840	1700	1520	1250	964	728
27	725	1930	796	755	967	1820	1820	1680	1410	1250	964	707
28	725	1920	785	880	1120	1860	1790	1930	1320	1130	964	728
29	725	.....	745	1000	1250	1840	1790	1980	1250	1140	904	707
30	725	.....	755	901	1250	1920	1770	1940	1180	1080	869	656
31	725	.....	735	.....	1340	.....	1770	1860	.....	1060	.....	696
Mean	751	1010	883	958	1090	1560	1840	2040	1640	1440	1020	782
Max.	945	1930	1410	1250	1340	1990	1980	3070	1860	2250	1170	904
Min.	395	800	735	695	816	1160	1750	1680	1180	1060	869	656
A. F.	46200	56100	54600	57000	67000	92800	113000	125000	97600	88500	60700	48100

Total Acre-Feet 906,000

Highest gage height 2.75, August 15, 1930

Lowest gage height 1.09, January 9, 1930

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT MITCHELL, NEBRASKA

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1450	1250	1750	1100	1300	925	900	810	1550	2000	1625	1550
2	1400	1250	1450	1250	1300	1100	900	750	1350	2000	1550	1475
3	1400	1250	1350	1100	925	1100	850	700	1350	2250	1625	1475
4	1400	1250	1150	1150	925	925	800	700	1450	2300	1550	1550
5	1400	1250	1250	1250	1200	1000	800	750	1400	2325	1550	1475
6	1500	1300	1250	1150	1100	925	800	700	1650	2750	1625	1475
7	1500	1300	1250	1150	1300	775	800	750	1750	2750	1625	1350
8	1500	1300	1250	1250	925	650	800	1080	2000	2600	1625	1400
9	1500	1300	1150	1350	1100	650	800	750	1875	2400	1625	1350
10	1500	1300	1150	1450	1100	575	740	900	1575	2250	1625	1400
11	1450	1250	1150	1550	1300	500	800	1080	2500	2100	1550	1400
12	1450	1250	1150	1650	1300	650	800	1250	1850	2250	1625	1400
13	1450	1250	1100	1550	1300	575	900	1250	1400	2100	1625	1475
14	1450	1250	1150	1750	1200	650	900	1340	1200	1925	1550	1400
15	1450	1200	2050	1750	1200	575	900	3450	1300	1850	1625	1350
16	1450	1100	1650	1750	1300	560	850	2950	1200	1775	1550	1350
17	1550	1100	1650	1750	2300	560	900	2600	1200	1775	1500	1400
18	1550	1100	1450	1550	2300	620	1050	2375	1250	1750	1500	1350
19	1550	1100	1450	1550	2100	560	900	2250	1225	1775	1625	1400
20	1550	1200	1300	1550	1950	1250	900	1925	1150	1775	1625	1400
21	1550	1200	1450	1450	1675	1000	900	1820	800	1775	1550	1350
22	1600	1200	1250	1450	1425	625	980	1820	1000	1700	1500	1400
23	1600	1200	1250	1350	1100	725	940	1660	1000	1700	1550	1400
24	1550	1250	1150	1350	925	850	850	1520	900	1700	1350	1350
25	1600	1100	1150	1100	800	725	980	1425	1150	1700	1500	1350
26	1500	2200	1250	1100	675	725	900	1250	1450	1700	1625	1400
27	1400	2200	1150	1000	600	620	900	1125	1200	1700	1550	1350
28	1300	2300	1150	1650	725	700	860	1625	1325	1625	1550	1350
29	1200	.....	1150	1950	800	660	850	1700	1450	1625	1550	1300
30	1200	.....	1150	1250	850	725	940	1700	1450	1625	1550	1300
31	1200	.....	1100	.....	925	.....	900	1620	.....	1625	.....	1400
Mean	*1450	*1330	1300	1408	1220	754	875	1470	1398	1970	1569	1400
Max.	1600	2300	1750	1950	2300	1250	1050	3450	2500	2750	1625	1550
Min.	1200	1100	1100	1000	600	500	740	700	800	1625	1350	1300
A. F.	89555	73786	79935	83803	75224	44785	53733	90497	83208	121340	93373	86034

Total Acre-Feet 975,273

*Estimated

Highest gage height 2.30, Aug. 15, 1930

Lowest gage height 0.85, July 10, 1930

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT MINATARE, NEBRASKA

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1600	1400	2300	1200	1650	1700	575	825	2300	2500	2200	1700
2	1600	1400	2250	1200	1650	1725	600	875	2225	2500	2050	1700
3	1600	1400	1500	1200	1650	1725	625	800	2200	2900	2050	1850
4	1600	1400	1425	1200	1425	1700	650	825	1950	3000	1900	1900
5	1600	1400	1425	1200	1425	1650	625	800	1900	3000	1850	1900
6	1600	1450	1400	1250	1500	1600	650	900	1950	3300	1850	1900
7	1650	1450	1425	1425	1500	1550	650	825	1700	3650	1850	1850
8	1700	1450	1425	1450	1525	1500	575	1425	1500	3500	1850	1700
9	1700	1450	1425	1550	1525	1450	550	1700	1750	3300	2050	1700
10	1700	1450	1425	1675	1450	1400	550	1830	1950	3200	2100	1550
11	1700	1400	1425	1700	2050	1000	625	1850	1900	2900	2050	1450
12	1700	1400	1400	1700	2150	850	650	1900	2475	2900	2050	1500
13	1650	1400	1375	1700	2000	600	1000	2250	1900	2650	1950	1550
14	1650	1400	1700	1725	1725	600	1025	2200	1750	2500	1900	1500
15	1650	1400	1950	1950	1700	550	1025	3300	1700	2450	1900	1425
16	1700	1450	1725	1950	2200	525	925	4150	1675	2250	1850	1425
17	1700	1450	1725	1850	2250	525	950	3750	1425	2100	1850	1425
18	1700	1450	1700	1750	2925	550	925	3600	1425	2100	1900	1300
19	1700	1450	1550	1700	2500	600	900	3300	1300	2050	1950	1300
20	1700	1450	1425	1700	2200	800	1200	3050	1325	2200	1900	1425
21	1750	1500	1400	1700	2000	1000	1250	2850	1300	2050	1850	1425
22	1750	1500	1325	1700	1725	825	1250	2750	1300	2100	1850	1500
23	1750	1500	1425	1700	1400	550	1300	2750	1250	1900	1750	1550
24	1750	1500	1325	1550	1250	650	1200	2800	800	1900	1700	1700
25	1750	1500	1300	1525	1200	650	1200	2500	2450	1850	1700	1550
26	1700	1550	1225	1425	1200	600	1200	2100	2500	2050	1700	1700
27	1600	1700	1200	1375	1200	500	1025	1700	2500	2100	1850	1700
28	1500	2100	1275	1425	1000	500	875	2050	2300	1950	1750	1550
29	1400	.....	1375	1475	1300	550	875	2100	2200	1700	1750	1500
30	1400	.....	1400	1575	1375	575	1000	2500	2250	2100	1750	1500
31	1400	.....	1300	.....	1225	.....	850	2475	.....	2100	.....	1550
Mean	*1640	*1470	1500	1550	1670	965	880	2150	1838	2470	1890	1590
Max.	1750	2100	2300	1950	2925	1725	1300	4150	2500	3650	2200	1900
Min.	1400	1400	1200	1200	1000	500	550	800	800	1700	1700	1300
A. F.	101059	82018	92282	92084	102894	57522	54149	132299	109390	152234	112464	97737

Total Acre-Feet 1,186,132

*Estimated

Highest gage height 2.60, Feb. 2, 1930

Lowest gage height 0.76, June 27, 1930

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT BRIDGEPORT, NEBRASKA

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1850	1700	2400	1800	2000	2075	400	950	2400	3350	2800	2200
2	1850	1700	2800	1650	2000	2325	400	850	2200	3700	2800	2200
3	1850	1700	2800	1650	2000	2675	500	850	2200	3950	2800	2200
4	1850	1700	2900	1650	2450	2325	650	850	2200	4350	2800	2200
5	1850	1700	3000	1650	2450	2300	825	900	2150	4350	2600	2100
6	1800	1700	3200	1800	2450	2300	900	850	2300	4150	2600	2100
7	1800	1700	3200	1650	2100	2300	950	1050	2300	4600	2600	1900
8	1800	1700	3200	1800	2000	2150	1000	1350	2300	4600	2600	1700
9	1800	1700	3200	1800	2250	2000	900	1550	2800	4150	2600	1700
10	1800	1700	3200	1650	2400	2000	825	1800	3150	3900	2600	1700
11	1900	1750	3100	1750	3500	1900	850	2000	2800	3700	2600	1700
12	1900	1750	3100	2450	3350	1700	850	1900	3350	3700	2600	2300
13	1900	1750	3100	2600	3000	1500	1300	2200	3000	3700	2300	2300
14	1900	1750	3100	2800	2800	1200	1650	2500	2800	3700	2000	2300
15	1900	1750	3100	2800	2800	1200	1900	3300	2600	3700	2000	2000
16	1850	1800	2900	3350	3000	1200	1700	4200	2400	3350	2000	1700
17	1850	1800	2900	2900	3700	1200	900	5400	2250	3150	1900	2000
18	1850	1800	2900	2675	4150	1025	1100	4700	2250	3150	1900	2000
19	1850	1800	2900	2800	3700	1025	1400	4200	2250	3150	1750	1600
20	1850	1800	2900	2600	3000	1500	2100	3300	2250	3150	1900	1600
21	1800	1800	2700	2450	2600	1900	2000	3500	2100	3150	2350	1600
22	1800	1800	2650	2450	2100	1600	1900	3300	2100	3000	2350	1600
23	1800	1800	2500	2100	2100	1450	1800	3300	2100	2800	2350	1700
24	1800	1800	2400	2100	2100	1200	1750	3200	2100	2800	2350	1900
25	1800	1800	2300	1950	2100	1150	1600	3100	2100	2600	2350	1900
26	1700	1800	2300	1800	1950	1000	1600	2800	2250	2600	2350	1800
27	1700	1900	2300	1650	1800	850	1500	2400	2600	2600	2350	1800
28	1700	2000	2300	1800	1500	700	1300	2000	3350	2800	2200	1800
29	1700	——	2300	1950	1500	600	1250	2400	3350	2800	2200	1800
30	1700	——	2300	1950	1600	500	1150	2500	2700	2800	2200	1800
31	1700	——	2300	——	1800	——	1100	2500	——	2800	——	1800
Mean	*1780	*1760	*1780	2134	2460	1560	1220	2460	2400	3430	2360	1900
Max.	1900	2000	3200	3350	4150	2675	2000	5400	3350	4600	2800	2300
Min.	1700	1700	2300	1650	1500	500	400	850	2100	2600	1750	1600
A. F.	111472	98084	169093	126993	151242	92927	75472	151143	148167	210846	140432	117026

Total Acre-Feet, 1,592,897

*Estimated

Highest gage height 7.80, Jan. 24, 1930

Lowest gage height 5.25, July 1, 1930

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT OSHKOSH, NEBRASKA

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2100	1850	3500	2400	3700	2100	525	1100	2900	3400	2750	2950
2	2100	1850	2900	2400	2600	2100	425	1100	3000	3200	2750	2950
3	2100	1850	2700	2300	2400	2350	425	900	2750	3700	2750	2950
4	2100	1850	3700	2200	2900	2600	425	1000	2600	4400	2750	2950
5	2100	1850	4000	2200	2500	2350	425	1000	2600	4300	2900	2900
6	2100	1800	3000	2200	2400	2200	425	1100	2600	3900	2750	2850
7	2100	1800	2400	2300	2500	2200	525	1300	2600	3700	2750	2800
8	2100	1800	2400	2200	2500	2100	500	1450	2300	4100	2750	2750
9	2100	1800	2100	2050	2500	2100	450	1600	2600	3900	2750	2700
10	2100	1800	2100	2050	3700	2100	425	1850	2600	3700	2750	2700
11	2200	2000	2100	2300	4800	2100	425	2400	3200	3700	2600	2700
12	2200	2000	2100	2300	3700	1950	700	2400	2600	3900	2750	2650
13	2200	2000	2200	2300	2750	1850	1000	2400	3200	3550	2750	2600
14	2200	2000	2300	2750	2750	1850	1000	3100	2900	3700	2750	2550
15	2200	2000	2300	3050	2750	1225	900	3450	2450	3400	2750	2500
16	2100	2050	2400	3800	2750	1850	1200	3600	2300	3400	2750	2450
17	2100	2050	2750	3600	3700	1050	1100	5300	2150	3200	2750	2450
18	2100	2050	2750	2900	3700	800	1200	4650	2000	3050	2750	2400
19	2100	2050	2750	2900	3700	700	1200	4400	1900	2750	2750	2400
20	2100	2050	2600	2700	3700	700	1500	3900	1900	2750	2750	2350
21	2000	2250	2400	2500	2700	525	1850	3900	1900	2750	3700	2350
22	2000	2250	2400	2700	2700	1000	1700	3550	1900	2750	4800	2300
23	2000	2250	2300	2700	2500	700	1700	3400	2000	2750	5200	2300
24	2000	2250	2200	2700	2600	700	1600	3900	2000	2750	4400	2250
25	2000	2250	2200	2700	2600	500	1325	3200	2600	2750	3700	2250
26	1900	2400	2200	2700	2600	450	1325	3050	2900	2750	3300	2200
27	1800	2400	2200	2500	2400	600	1325	2750	3200	2750	3300	2200
28	1700	2400	2200	2400	2400	600	1450	2700	3200	2750	3300	2200
29	1700	——	2200	2700	2300	400	1325	2700	3200	2750	3000	2200
30	1700	——	2400	3600	2200	300	1325	2700	3200	2750	3000	2200
31	1700	——	2400	——	2150	——	1200	2800	——	2750	——	2200
Mean	*2030	*2030	*2510	2600	2870	1400	1000	2660	2575	3300	3000	2490
Max.	2200	2400	4000	3800	4800	2600	1850	5300	3200	4400	5200	2950
Min.	1700	1800	2100	2050	2150	300	425	900	1900	2750	2600	2200
A. F.	124960	112960	155010	154911	176829	83406	61290	163936	153225	203011	183870	155110

Total Acre-Feet 1,728,518

*Estimated

Highest gage height 3.60, Feb. 8 to 15. 1930

Lowest gage height 1.00, June 30, 1930

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT NORTH PLATTE, NEBRASKA

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct	Nov.	Dec.
1	2600	1800	2700	2200	2700	2100	375	850	2750	3450	3100	3700
2	2600	1800	2300	2200	3300	2100	300	650	2850	3300	3100	3900
3	2600	2000	1900	2200	4000	2500	250	525	3000	4100	3300	3700
4	2600	2300	1600	2200	3300	3200	225	525	3350	5800	3100	3700
5	2600	2800	3600	2200	2900	3200	225	600	3000	5350	3000	3700
6	2600	3100	4300	1900	2900	3200	225	600	2750	5100	3300	3900
7	2600	3500	4000	1900	2400	3000	225	650	2750	4550	3300	3900
8	2600	4000	4100	1800	2400	2600	175	550	2550	4550	3300	3550
9	2500	3800	3800	1700	2900	2300	175	600	2350	4100	2850	3550
10	2400	3700	3500	1600	3600	3300	175	700	2325	4550	2850	3250
11	2300	3700	3600	1900	5300	2800	175	1000	2200	5350	3100	3250
12	2200	3700	3600	2000	5400	2800	150	1100	2200	5350	3100	3100
13	2100	3700	3600	2200	4700	2300	225	1450	3200	4550	3100	3100
14	2000	3700	3600	2500	4100	2000	200	2100	2750	4100	3100	3250
15	2000	3700	3600	2800	3500	1700	200	2350	2850	4100	3050	3000
16	2000	3700	3600	3300	3400	1400	400	3100	3000	4100	2850	2600
17	2000	3700	3500	3400	3900	1100	350	3500	2600	4100	2750	3000
18	2000	3700	3300	3800	4700	900	500	3500	2550	3700	2600	3250
19	2000	3700	3100	3200	4600	1550	600	4600	2350	3100	2850	2850
20	2000	3700	2900	2800	4500	1300	675	5000	2350	3100	1500	2400
21	2000	3700	2700	2700	4300	1200	675	4300	2200	3100	1400	1900
22	2000	3700	2700	2500	3900	950	775	3900	2250	3300	1800	2050
23	2000	3700	2700	2300	3200	900	975	3700	2050	3300	3400	2100
24	2000	3700	2700	2300	3000	1000	1200	4600	2050	3300	4050	2250
25	2000	3700	2700	2700	2600	1100	1200	4500	2200	3100	3900	2450
26	2000	3500	2400	2700	2300	1100	1000	4300	2600	3300	3700	2600
27	2000	3000	2400	2700	2300	800	1000	3900	2850	3300	4250	2750
28	2000	3200	2400	2500	2600	800	850	3500	2925	3300	4050	3000
29	2000	——	2400	2500	2600	700	1000	3350	3500	3300	3900	3000
30	2000	——	2400	2500	2600	500	1200	3000	3650	3000	3700	2750
31	2000	——	2400	——	2200	——	1100	2750	——	3300	——	2750
Mean	*2200	*3360	*3040	2440	3430	1810	545	2440	2660	3935	3145	3040
Max.	2600	4000	3600	3400	5400	3300	1200	4600	3650	5800	4250	3900
Min.	2000	1800	1600	1600	2200	500	150	525	2050	3000	1400	1900
A. F.	135473	186449	186846	145192	210449	107900	33323	150250	158680	241987	187143	186945

Total Acre-Feet 1,930,637

Highest gage height 4.30, May 12, 1930

*Estimated

Lowest gage height 2.05, July 12, 1930

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER, AT JULESBURG, COLORADO

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	483	409	1220	248	136	190	27	33	141	157	404	689
2	463	393	1200	226	123	158	30	30	115	174	400	611
3	443	468	1150	205	116	137	30	27	107	190	396	623
4	422	556	1040	178	113	155	33	28	96	281	396	650
5	402	666	1230	166	110	158	30	28	85	446	403	627
6	382	928	1490	139	101	135	27	25	82	449	403	656
7	382	1110	1400	121	93	107	23	25	81	428	405	618
8	352	1330	1280	126	80	84	23	25	75	394	407	596
9	352	1640	750	111	86	79	23	26	77	400	407	608
10	352	1710	732	90	268	73	23	27	72	454	399	603
11	323	2280	714	70	786	61	24	25	72	501	401	588
12	303	2490	733	71	765	49	45	27	73	490	399	573
13	309	2490	617	66	625	47	171	29	71	461	386	568
14	305	2620	546	62	528	43	143	28	79	436	380	554
15	293	2780	485	65	524	37	80	43	114	445	337	554
16	293	2930	443	119	533	24	57	117	115	461	382	560
17	283	3220	402	326	600	34	48	513	122	449	365	552
18	273	2820	403	403	807	32	44	1130	108	443	372	522
19	274	2590	455	387	860	36	45	1980	99	414	370	503
20	273	2380	415	327	770	37	39	2420	91	408	222	472
21	273	2620	374	253	644	37	34	1580	86	416	152	471
22	273	2560	370	202	562	35	35	1230	82	420	132	449
23	273	2430	343	173	517	36	37	925	91	420	121	474
24	275	2180	295	171	477	34	33	720	91	419	216	492
25	287	1910	300	177	372	32	34	488	88	440	486	474
26	318	1710	279	196	339	30	39	361	121	435	579	430
27	318	1600	268	175	288	33	39	285	138	414	651	438
28	320	1360	276	165	271	32	38	239	162	407	675	422
29	342	——	317	165	238	29	36	260	162	207	711	442
30	342	——	299	168	223	27	37	203	173	399	687	468
31	366	——	270	——	211	——	35	172	——	397	——	496
Mean	334	1860	649	178	392	67	44	421	102	401	493	541
Max.	483	3220	1490	403	860	190	171	2420	173	501	711	689
Min.	273	393	268	62	80	24	23	25	71	157	121	422
A. F.	20500	103090	39800	10600	24100	3970	2700	25900	6070	24600	24000	33300

Total Acre-Feet 318,540

Record furnished by the State of Colorado.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	600	1000	1650	300	150	350	15	0	200	75	1100	1650
2	600	1000	2550	250	65	350	10	0	175	100	1100	1900
3	600	1000	3750	250	75	350	10	0	175	250	750	1350
4	600	1000	3900	250	250	650	10	0	500	850	550	1350
5	600	1000	2550	150	100	650	10	0	500	650	650	1500
6	600	1000	2250	150	100	650	5	0	350	650	550	1400
7	600	1000	1250	150	75	500	5	0	250	650	550	1350
8	600	1000	1250	65	75	150	0	0	175	650	550	800
9	600	1000	1250	65	150	150	0	0	175	650	650	1000
10	600	1000	1250	50	300	350	0	0	175	650	425	750
11	600	1500	1100	50	750	250	0	0	175	1000	425	750
12	600	1500	1100	50	1500	250	0	0	65	1100	425	750
13	600	1500	1100	50	1625	150	0	0	50	850	350	750
14	600	1500	850	50	1550	150	0	0	50	850	350	925
15	600	1500	850	50	1550	100	0	0	35	850	375	750
16	600	1800	1100	65	1250	65	0	0	20	850	500	750
17	600	1800	1100	100	1500	50	0	0	20	850	500	750
18	600	1800	1100	100	1750	65	0	25	15	850	500	900
19	600	1800	850	65	1750	350	0	20	10	850	500	900
20	600	1800	850	60	1625	250	0	15	10	850	500	1150
21	600	1800	850	50	1250	250	15	10	10	850	400	900
22	600	1800	850	50	1200	125	15	15	10	850	350	900
23	600	1800	850	50	1350	100	15	850	5	850	350	1025
24	600	1800	850	65	750	65	5	1500	0	850	350	1025
25	600	1800	850	100	350	65	0	1100	0	850	850	1350
26	600	1800	650	200	550	50	0	850	10	850	850	1025
27	600	1800	650	200	500	20	0	850	15	850	650	1300
28	600	1800	650	100	550	15	0	650	15	850	1100	1150
29	600	———	300	100	500	15	0	650	65	1100	1350	1150
30	600	———	300	200	500	15	0	500	65	1100	1650	1300
31	600	———	300	———	350	———	0	350	———	1100	———	1350
Mean	*600	*1460	1250	106	775	218	4	24	110	780	640	1100
Max.	600	1800	3900	300	1750	650	15	1100	500	1100	1650	1900
Min.	600	1500	300	50	65	15	0	0	0	75	350	750
A. F.	36893	81125	76860	6317	47683	12992	228	14648	6585	47951	38083	67241

Total Acre-Feet 436,606

Highest gage height 3.55, Mar. 4, 1930

*Estimated

Lowest gage height 0.70, July 12 to 20, 1930

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT OVERTON, NEBRASKA

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3000	3000	4500	2900	6800	3800	550	0	3300	2800	3900	4800
2	3000	3000	4000	2800	5000	3200	400	0	2850	3400	3900	410.
3	3000	3000	3500	2800	3900	6400	225	0	2800	4300	3700	4500
4	3000	3000	3000	2800	5000	7100	200	0	3100	4500	3700	4800
5	3000	3000	2400	2900	5600	8000	200	0	3500	5500	3700	4800
6	3000	3000	2000	2800	4800	6800	175	0	3800	6350	3500	5300
7	3000	3000	5000	2800	3900	5900	125	0	3500	5500	3700	5000
8	3000	3000	5000	2500	3500	4900	100	0	4100	5300	3700	5000
9	3000	3000	3600	2500	3600	4100	10	0	3500	5000	3700	5000
10	3000	3000	4800	2500	3900	5600	10	0	2500	4500	3500	4800
11	3000	3000	4500	2500	6100	6400	10	0	2500	4800	3700	3700
12	3000	3000	4100	2500	8600	6400	10	0	2300	9700	3700	4300
13	3000	3000	3900	2600	9800	4600	8	0	2200	8300	3700	4100
14	3000	3000	3600	2900	9000	4100	6	0	2600	6200	3650	4100
15	3000	3000	3600	5300	8100	3400	0	0	2900	5600	3650	3900
16	3000	3000	3400	4800	7600	2900	0	300	2600	5400	3800	3700
17	3000	3000	3300	6500	7600	2500	0	650	2900	4900	3900	3500
18	3000	3000	3100	7500	8500	1800	0	900	2800	4700	3600	3100
19	3000	3000	3600	7100	9300	2500	0	1300	2800	4500	4300	3300
20	3000	3000	4100	6700	8500	3400	0	1650	2500	4300	5300	3700
21	3000	3000	4100	4500	7800	3900	50	3650	2400	4100	3800	3300
22	3000	3000	3800	3700	7500	3200	25	4300	2400	4100	2200	3000
23	3000	3000	3600	3300	6600	2200	25	3900	2400	4300	1800	2800
24	3000	3000	3300	3100	5900	1300	15	4300	1900	3900	1000	2500
25	3000	3000	2900	4100	4600	1100	15	4100	1575	3700	1300	2600
26	3000	3000	3300	5000	4100	1100	0	5500	2200	3900	1400	3000
27	3000	3000	2600	5000	3800	1000	0	5000	2000	3700	1500	3000
28	3000	3000	2900	5000	4100	1000	0	4800	2200	3900	1500	3000
29	3000	———	2900	5800	5100	1000	0	4300	2700	3900	1500	3000
30	3000	———	2600	7100	5100	800	0	4100	2600	3500	1500	3500
31	3000	———	2900	———	4400	———	0	3700	———	3500	———	3700
Mean	*3000	*3000	3450	4770	6060	3680	69	1690	2715	4800	3130	3840
Max.	3000	3000	5000	7100	9800	8000	550	5500	4100	9700	5300	5300
Min.	3000	3000	2000	2500	3500	800	0	0	1575	2800	1000	2500
A. F.	184465	166614	217987	242582	373096	218978	4263	104034	161506	293657	186052	235838

Total Acre-Feet 2,389,072

Highest gage height 4.70, May 13, 1930

*Estimated

Lowest gage height 1.20, July 31, 1930

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT DUNCAN, NEBRASKA

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	N. R.	N. R.	5000	2380	4980	3220	756	9	3150	1360	3080	1450
2	——	——	3000	2320	5560	2940	660	9	3120	1480	2910	1430
3	——	——	2500	2290	6360	3080	463	8	2810	1970	2780	2600
4	——	——	2200	2180	5500	5890	427	7	2410	2040	3260	3800
5	——	——	2040	1920	4500	17600	336	9	2290	3590	3220	4800
6	——	——	2720	1820	4280	18600	236	10	2210	4790	3260	5200
7	——	——	2650	1820	7460	17700	146	17	2560	4110	3040	5140
8	——	——	2980	1780	8020	13100	87	17	2940	4600	2910	5340
9	——	——	7860	1720	10100	9100	60	17	3400	4980	3040	5950
10	——	——	5290	1550	14900	6850	40	17	3400	4500	3010	6000
11	——	——	5840	1510	14100	4640	31	17	4030	4840	3010	5840
12	——	——	4980	1590	10100	3710	21	17	3260	4460	3040	5080
13	——	——	3950	1630	7860	4790	21	17	2500	3990	3330	4330
14	——	——	4070	1550	8800	6160	21	69	2410	8900	3370	3900
15	——	——	3750	2590	9940	4840	21	60	2040	9800	3440	3600
16	——	——	3560	2980	8100	3120	21	78	1760	7940	3830	3300
17	——	——	3330	3440	6850	2410	21	55	1590	7170	3870	3100
18	——	——	3480	5400	7620	2260	21	45	1720	6360	3750	2950
19	——	——	3370	5140	7780	2410	19	63	1920	5400	3750	2800
20	——	——	2910	5610	7780	2530	17	106	1780	4640	5670	2650
21	——	——	3010	6360	8800	2260	21	257	2020	4280	7380	2600
22	——	——	2880	4640	8600	2260	17	168	2020	4070	7540	2550
23	——	——	2780	4410	7380	2650	16	141	1850	3890	3590	2500
24	——	——	3220	3290	6600	2650	15	1240	1700	3560	3080	2530
25	——	——	3520	2750	5610	2840	15	2720	1420	3440	2350	3040
26	——	——	3260	3480	4690	1720	15	2810	1700	3370	2000	3040
27	——	——	2810	4790	3870	1170	14	2720	1850	3370	1800	2980
28	——	——	2840	4840	3670	1050	10	2500	1630	3290	1600	2800
29	——	——	2620	4460	3560	948	10	3710	1400	3290	1600	2700
30	——	——	2500	5030	3330	800	9	3710	1460	3080	1500	2600
31	——	——	2440	——	3010	——	10	3790	——	3290	——	2530
Mean	*1000	*4980	3460	3180	7090	5110	115	788	2280	4380	3330	3520
Max.	——	——	7860	6360	14900	18600	756	3790	4030	9800	7540	6000
Min.	——	——	2040	1510	3010	800	9	7	1400	1360	1500	1430
A. F.	——	——	213000	189000	436000	304000	7070	48500	136000	269000	198000	216000

Total Acre-Feet 2,016,570
N. R.—No record
*Estimated

Highest gage height 4.40, June 26, 1930
Lowest gage height 0.28, Aug. 15, 1930

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT ASHLAND, NEBRASKA

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	N. R.	5200	10800	5890	12600	8470	3800	1770	7330	3650	6800	4130
2	——	5200	8000	5850	13100	7430	3590	1750	7040	3620	6750	3990
3	——	5200	4000	5700	12400	7130	3510	1730	7130	3890	6140	3300
4	——	5200	3000	5470	11500	6700	3170	1780	6330	3920	6370	5620
5	——	5200	2800	5290	10600	17700	2890	1860	5880	4560	6420	7780
6	——	6000	2890	5140	13000	21600	2770	2210	5280	5620	6330	7990
7	——	6000	5140	5220	14300	18100	2710	3220	5110	8520	6470	7580
8	——	6000	6220	5180	21600	17300	2570	3320	5660	8300	6370	8420
9	——	6000	7880	5250	22000	15900	2590	2560	5880	7940	6420	8800
10	——	6000	8220	5290	27600	14300	2520	2590	15000	8360	5960	9750
11	——	6200	6900	5220	30700	12200	2410	2710	9210	7990	5880	8520
12	——	6200	8840	5110	33500	10500	2270	2920	7890	8200	5660	8360
13	——	6200	7710	5400	28800	8580	2180	3560	7630	8250	5790	8040
14	——	6200	7940	5440	23900	10700	2160	4160	6890	16300	6240	7940
15	——	6200	7880	5890	19700	20000	2070	3960	6140	14100	6330	8200
16	——	12000	8000	7420	17900	18100	2020	3270	5620	13900	8090	7680
17	——	12000	8150	13200	16100	12500	1920	3270	4870	12000	8300	7580
18	——	12000	7940	13800	15800	9030	1910	6420	4640	12400	8150	5830
19	——	39800	7710	13700	14000	7580	1880	5320	4130	11700	8740	5700
20	——	27600	7880	13600	13500	6420	1910	5400	3920	9440	11600	5360
21	——	22000	7370	13900	15200	9030	2030	5440	3890	8520	14300	5300
22	——	15700	7260	13700	14800	13600	2120	11400	3740	8040	14800	5100
23	——	13700	6810	13200	15700	7090	2000	9030	3300	7480	12200	4720
24	——	14000	6430	11700	14300	6010	1990	7130	3710	7280	8360	4870
25	——	13400	6180	10200	14000	6190	2050	5070	3510	7130	6940	4990
26	——	12300	7060	8520	12200	6060	1860	4870	3460	6890	7280	5200
27	——	11200	7420	8150	10200	6470	1770	5200	3200	6660	5070	6000
28	——	10100	6710	11300	8600	6240	1790	5920	4300	7840	3860	6400
29	——	——	6180	12500	8080	4830	1760	5740	4270	6660	3400	6600
30	——	——	6050	11800	8220	4130	1800	6100	3960	6660	4060	6750
31	——	——	5930	——	6620	——	1820	7230	——	6610	——	6470
Mean	*3100	10800	6820	8600	16100	10700	2320	4420	5650	8140	7300	6350
Max.	*3100	39800	10800	13900	33500	21600	3800	11400	15000	16300	14800	9750
Min.	*3100	5200	2890	5110	6620	4130	1760	1730	3200	3620	3400	3300
A. F.	*191000	600000	419000	512000	990000	637000	143000	272000	336000	501000	434000	40300

Total Acre-Feet 4,884,300
Record furnished by U. S. G. S.
*Estimated

Highest gage height 6.05, Feb. 19, 1930
Lowest gage height 0.78, July 29, 1930
N. R.—No record

PATHFINDER STORAGE RESERVOIR

DAILY CONTENTS IN ACRE-FEET

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	334260	386990	406480	426880	439550	460580	499260	615780	629000	472780	190450	11260
2	335140	387760	407680	427080	440080	461570	501740	619440	622000	463220	184470	8860
3	336730	388530	408880	427290	440610	462560	504240	623860	615920	453260	178850	6820
4	339030	389300	410080	427500	441140	463550	506990	629010	610640	443260	172160	4740
5	341700	390060	411280	427710	441670	464540	509750	633610	608130	432910	165340	2600
6	344820	390830	412480	427920	442200	465540	512530	637660	607160	421750	158170	1030
7	347840	391600	413680	428120	442840	466310	515330	641710	605230	410780	151140	310
8	350810	392180	414880	428330	443470	467090	518140	645060	604540	399870	143610	130
9	353780	392750	415680	428540	444120	467870	520970	648570	603430	389200	135320	120
10	355940	393340	416480	428750	444760	468640	523820	652250	602050	378300	127070	0
11	358020	393920	417290	428960	445610	469640	528290	655930	601230	367210	118920	0
12	360110	394500	418100	429160	446470	470650	532790	659040	600960	356930	110870	0
13	362210	395080	418600	429790	447330	471660	537290	662150	600540	346650	102940	0
14	364030	395660	419110	430410	448080	473000	541840	664980	599720	336460	95040	0
15	365850	396150	419610	431040	448840	474350	547550	667980	598900	325630	87570	0
16	367670	396640	420120	431660	449590	475690	553970	671240	597260	314830	81220	0
17	369500	397130	420630	432180	450350	477040	561120	675380	594520	304770	74000	0
18	371160	397620	421140	432700	451100	478400	567150	679040	590840	295140	67290	0
19	372810	398110	421650	433120	451860	479760	573090	681800	585420	285450	60940	0
20	374380	398600	422050	433540	452620	481120	579080	684110	579210	275860	54650	0
21	375690	399090	422560	433960	453480	482940	584470	684110	573220	265950	49020	0
22	376990	399770	423070	434380	454350	484760	588520	682410	565310	258180	43480	0
23	378300	400460	423580	434800	455220	486590	592600	677970	556700	250520	38660	0
24	379620	401140	424090	435330	456090	488420	596710	673410	546030	243270	34240	0
25	380560	401830	424610	435850	456960	490260	599450	668880	535790	236070	30270	680
26	381500	402520	425120	436380	457840	491190	602190	664080	525240	228640	26610	520
27	382440	403210	425430	436900	458710	492120	604810	659330	514350	221520	22980	480
28	383380	403900	425740	437430	459590	493280	607580	653420	503050	214510	19840	290
29	384330	404600	426050	437960	.....	494450	610360	647250	491770	206900	17020	0
30	385280	405290	426360	438490	.....	495620	613140	641710	481910	200460	14910	0
31	386230	.....	426670	439020	.....	496790	.....	635480	.....	197200	12930	----

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, INTO PATHFINDER RESERVOIR

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	510	680	690	290	320	550	1300	1380	3290	1210	570	180
2	760	690	690	290	320	550	1300	1890	2990	1000	940	210
3	980	690	680	280	320	550	1310	2280	3060	760	1080	330
4	1450	690	680	290	310	550	1440	2650	3430	820	630	210
5	1490	690	690	280	320	550	1440	2370	4900	570	530	200
6	1670	690	690	280	320	550	1450	2090	4680	500	430	200
7	1700	690	690	280	370	440	1450	2100	4080	460	450	200
8	1660	590	690	290	370	440	1460	1730	4720	430	300	200
9	1700	580	480	280	370	440	1460	1820	4530	410	280	230
10	1250	600	480	280	370	440	1480	1910	4370	350	260	220
11	1140	590	480	280	470	550	2290	1910	4750	320	250	220
12	1170	590	490	280	480	560	2310	1620	4380	290	240	208
13	1150	590	330	380	480	560	2310	1730	4210	240	230	202
14	1010	590	330	380	430	730	2330	1610	4030	230	210	193
15	930	550	330	390	430	730	2920	1740	4090	220	190	174
16	1000	550	330	380	430	730	3280	1970	3700	215	185	165
17	1010	550	330	310	440	730	3640	2640	3160	210	200	162
18	930	340	330	310	430	730	3080	3040	2690	210	200	160
19	920	330	330	260	430	740	3040	3290	2410	200	200	160
20	880	335	380	260	430	730	3060	3580	2090	200	190	173
21	870	330	430	260	480	970	2760	3060	2020	150	250	184
22	950	430	430	260	490	970	2080	3070	1470	110	270	197
23	960	420	430	260	490	970	2100	1880	1370	100	260	220
24	960	430	430	320	490	970	2110	1870	920	105	240	273
25	770	435	420	310	490	980	1420	1840	1110	100	230	805
26	770	430	420	320	490	520	1420	2090	970	100	220	468
27	770	435	340	310	490	520	1360	2990	730	100	210	672
28	770	435	350	320	490	630	1450	3390	500	95	245	582
29	780	440	340	320	.....	640	1450	3450	520	160	230	489
30	780	435	340	310	.....	640	1450	3730	860	750	205	571
31	780	.....	350	320	.....	640	.....	3400	.....	2380	190	.....
Mean	1047	530	464	303	420	654	1998	2391	2870	419	326	273
Max.	1700	690	690	390	490	980	3640	3730	4900	2380	1080	805
Min.	510	330	330	260	310	440	1300	1380	500	95	185	160
A. F.	64405	31370	28560	18610	23310	40270	118910	147020	170640	25780	20060	16770

Total Acre-Feet 705,705

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, OUTFLOW OF PATHFINDER RESERVOIR

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	530	300	86	187	50	50	50	50	6450	5710	3970	940
2	370	300	86	187	50	50	50	50	6400	5700	3920	1170
3	270	300	77	177	50	50	50	50	6040	5660	3870	1230
4	250	300	77	177	50	50	50	50	5980	5730	3950	1130
5	120	300	86	177	50	50	50	50	5970	5690	3910	970
6	80	300	86	177	50	50	50	50	5130	5700	4010	660
7	90	300	86	177	50	50	40	50	4970	5660	3940	410
8	90	300	86	177	50	50	40	50	4970	5710	4020	285
9	90	300	75	177	46	50	40	50	4970	5680	4350	235
10	95	300	75	177	46	50	40	50	4970	5640	4350	220
11	95	300	75	177	46	50	40	50	5070	5700	4250	220
12	95	300	75	177	46	50	40	55	4450	5200	4160	208
13	95	300	75	66	46	50	40	55	4350	5180	4060	202
14	95	300	75	66	50	50	40	55	4350	5150	3910	193
15	15	300	75	66	50	50	40	55	4350	5200	3800	174
16	80	300	75	66	50	50	40	55	4350	5180	3700	165
17	90	300	75	50	50	50	40	500	4350	4670	3570	162
18	90	95	75	50	50	50	40	1020	4340	4730	3430	160
19	90	86	75	50	50	50	40	1810	4990	4690	3280	160
20	90	86	174	50	50	50	40	2350	5070	4630	3110	173
21	210	86	174	50	50	50	40	2970	5070	4690	2940	184
22	300	86	174	50	50	50	40	3820	5070	3810	2730	197
23	300	72	174	50	50	50	40	3970	5540	3650	2530	220
24	300	86	170	50	50	50	40	4000	6140	3610	2340	273
25	300	80	161	50	50	50	40	4000	6150	3580	2150	462
26	300	86	161	50	50	50	40	4380	6120	3540	1970	549
27	300	86	187	50	50	50	40	5300	6090	3500	1800	692
28	300	86	187	50	50	50	50	6310	6060	3430	1640	678
29	300	86	187	50	....	50	50	6500	6090	4000	1420	635
30	300	86	187	50	....	50	50	6480	5740	4000	1200	570
31	300	....	187	50	....	50	....	6450	.....	4000	1040	.....
Mean	195	207	117	102	49	50	43	1960	5320	4810	3200	451
Max.	530	300	187	187	50	50	50	6500	6450	5730	4350	1230
Min.	15	72	75	50	46	50	40	50	4350	3430	1040	160
A. F.	12000	12300	7190	6270	2740	3070	2560	121000	317000	296000	197000	26800

Total Acre-Feet 1,000,000

Record furnished by the United States Bureau of Reclamation

GUERNSEY STORAGE RESERVOIR

DAILY CONTENTS IN ACRE-FEET

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37860	39630	42190	40870	45260	49500	46880	56800	37940	42150	49870	28260
2	37890	39940	42210	41140	45620	49710	47130	56020	39780	42520	54040	25320
3	38020	40390	42230	41330	45700	49750	47800	55310	41620	42840	57570	23610
4	38240	40620	42270	41530	45750	49710	48470	54940	43060	42970	57750	23400
5	38170	40800	42280	41930	45850	49630	48760	55150	43440	43450	56950	22930
6	37680	40980	42100	41990	45980	49520	49320	55400	44880	43710	55460	21970
7	37650	41080	41820	42190	46110	49400	49550	55760	50220	44430	53740	21430
8	37500	41200	41880	42410	46170	49090	49830	56290	50320	44800	52100	21590
9	37140	41180	41690	42560	46470	49050	50160	56700	49980	45790	50540	21590
10	37060	41310	41620	42800	46470	48920	50730	56870	49280	46740	50180	21160
11	36840	41250	41510	42950	46570	48990	51320	56780	49140	47800	49650	20320
12	36750	41270	41450	43230	46640	49160	51940	56540	50420	48740	49540	19480
13	36680	41450	41490	43268	46740	49140	52700	55930	52000	49690	49160	19360
14	37170	41540	41440	43320	46820	49010	53410	55090	51840	50180	48990	19520
15	37450	41620	41580	43450	46900	48900	54040	53880	51100	50640	48820	19600
16	37500	41740	41580	43550	47220	49050	54970	52000	49870	51300	48680	19710
17	37820	41860	41520	43580	47360	48880	55950	49320	48700	51800	50750	19880
18	37940	41820	41210	43620	47530	48720	56910	45640	47040	52240	51720	19970
19	38140	41950	41080	43940	47720	48660	57770	41670	44950	52300	51280	20430
20	38350	42230	40720	43880	47990	48490	58820	37170	42450	53430	50890	20940
21	38210	42320	40560	43960	48340	48510	59970	32180	40670	53780	50580	21270
22	38350	42190	40580	43960	48530	48430	60620	28890	39420	56540	50160	21460
23	38420	42100	40250	44110	48880	48470	60980	27540	38160	57710	49540	21730
24	38640	42040	40190	44110	49030	48320	61000	27420	36730	58140	48640	21920
25	38670	41710	40210	44100	49140	48050	60880	27920	36040	57330	47510	22240
26	38550	41400	40440	44280	49280	47700	60490	28080	37190	55950	46170	22410
27	38780	41470	40440	44450	49440	47320	59900	26650	38170	54640	44280	22630
28	38900	41690	40540	44580	49540	47090	59560	26090	39300	53290	41970	23230
29	39070	41840	40760	44700	.....	46980	59070	27360	40300	51220	39340	23730
30	39180	41930	40800	44840	.....	46940	57900	30080	41160	49610	36210	24550
31	39350	.....	40780	45030	.....	46800	.....	35330	.....	48620	32100	.....

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, INTO GUERNSEY RESERVOIR

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1615	596	471	368	396	298	374	665	6950	5957	5232	1463
2	1407	601	450	351	391	291	482	797	6672	5623	6726	1465
3	1438	600	450	396	358	355	694	822	6737	5597	6382	1343
4	1642	606	450	402	365	346	661	1013	6591	5502	4629	1672
5	1635	576	415	393	373	316	520	1346	6134	5590	4155	1372
6	1445	566	330	380	378	251	522	1326	6393	5391	4069	1306
7	1281	583	360	391	400	229	483	1362	8392	5601	4041	1261
8	1165	599	360	412	359	183	602	1477	5728	5380	4037	1261
9	1014	563	335	388	346	195	573	1417	5418	5605	4034	1079
10	822	560	358	386	340	241	682	1415	5215	5541	4251	836
11	712	537	320	371	336	364	657	1295	5277	5552	4146	646
12	698	560	350	351	341	398	658	1219	5785	5470	4255	562
13	626	571	390	364	321	390	668	1053	5793	5497	4180	579
14	727	561	364	343	300	370	818	967	4895	5199	4144	565
15	616	551	369	356	330	305	728	882	4601	5096	4044	482
16	525	540	380	395	326	316	971	797	4386	5085	4020	516
17	516	535	350	321	371	314	997	895	4384	5006	5114	464
18	552	553	256	349	366	308	1064	790	4357	4998	4579	457
19	501	560	292	356	386	310	930	838	4316	4611	3948	492
20	484	518	169	293	411	259	971	755	4198	5065	3611	497
21	446	400	286	295	452	322	1046	588	4539	4651	3469	411
22	485	335	280	255	425	316	931	1542	4784	4657	3341	425
23	435	340	246	345	362	305	949	2535	4844	4528	3188	406
24	506	334	346	270	361	302	805	3190	4825	4193	3047	402
25	455	264	372	265	351	288	778	3859	5088	3841	2864	462
26	490	249	363	260	382	314	716	3907	6016	3758	2707	415
27	498	440	326	381	382	49	648	3774	5952	3794	2446	417
28	582	421	394	361	395	180	733	4560	5940	3672	2269	563
29	590	435	389	340	....	205	666	5702	5940	3623	2065	619
30	550	480	409	330	....	210	720	6719	5957	3790	1839	753
31	570	....	361	360	....	302	....	8038	.....	4103	1517	—
Mean	807	501	355	349	368	285	735	2114	5537	4902	3818	773
Max.	1642	606	471	412	452	398	1064	8038	8392	5957	6726	1465
Min.	435	249	169	255	300	49	374	588	4198	3623	1517	402
A. F.	49645	29820	21800	21480	20440	17520	43730	130010	329470	301410	234740	46000

Total Acre-Feet 1,246,065

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, OUTFLOW OF GUERNSEY RESERVOIR

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1360	455	340	323	280	318	334	1220	5630	5460	4600	3400
2	1390	450	440	215	210	185	356	1190	5740	5440	4620	2950
3	1370	373	440	301	318	345	356	1180	5810	5440	4600	2200
4	1530	490	430	301	340	356	323	1200	5860	5440	4540	1780
5	1670	485	410	190	323	356	373	1240	5940	5350	4560	1610
6	1690	475	420	350	312	306	240	1200	5670	5260	4820	1790
7	1300	533	500	290	334	290	367	1180	5700	5240	4910	1530
8	1240	539	330	301	329	340	460	1210	5680	5190	4860	1180
9	1200	573	430	312	195	215	406	1210	5590	5110	4820	1080
10	862	496	393	265	340	306	395	1330	5570	5060	4430	1050
11	823	567	375	296	285	329	361	1340	5350	5020	4410	1070
12	743	550	380	210	306	312	345	1340	5040	5000	4310	985
13	661	480	370	345	270	400	285	1360	5000	5020	4370	640
14	480	516	389	312	260	436	460	1390	4970	4950	4230	484
15	475	511	299	290	290	361	412	1490	4970	4860	4130	442
16	500	480	380	345	165	240	502	1740	5110	4730	4090	460
17	355	475	380	306	301	400	502	2250	4970	4750	4070	378
18	490	573	412	329	280	389	580	2640	5190	4780	4090	412
19	400	495	357	195	290	340	496	2840	5370	4580	4170	260
20	378	377	350	323	275	345	442	3020	5460	4500	3810	240
21	516	355	367	255	275	312	466	3100	5440	4480	3620	245
22	415	400	270	255	329	356	604	3200	5410	3270	3550	329
23	400	385	412	270	185	285	767	3220	5480	3940	3500	270
24	395	364	376	270	285	378	795	3250	5550	3980	3500	306
25	440	430	362	270	296	424	838	3610	5440	4250	3430	301
26	550	400	247	170	312	490	913	3830	5440	4450	3380	329
27	382	405	326	296	301	240	945	4500	5460	4450	3400	306
28	522	310	344	296	345	296	905	4840	5370	4350	3430	260
29	505	360	278	280	.....	260	913	5060	5440	4670	3390	367
30	495	435	389	260	.....	230	1310	5350	5520	4600	3420	340
31	485	.....	371	265	.....	373	.....	5390	.....	4600	3590	—
Mean	775	458	373	280	287	329	548	2480	5440	4780	4090	900
Max.	1690	573	500	350	345	490	1310	5390	5940	5460	4910	3400
Min.	355	310	247	170	165	185	240	1180	4970	3270	3380	240
A. F.	47700	27300	22900	17200	15900	20200	32600	152000	324000	294000	251000	53600

Total Acre-Feet 1,310,000

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, PASSING WHALEN, WYOMING

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	241	344	225	143	179	222	280	96	2120	1840	1380	518
2	258	273	266	132	155	191	290	40	2220	1860	1430	439
3	231	322	250	143	222	291	290	17	2250	1870	1420	375
4	416	464	222	159	248	272	260	30	2310	1930	1400	281
5	1310	436	224	175	222	287	305	32	2350	1880	1460	231
6	1290	515	321	230	208	221	180	33	2130	1820	1780	407
7	1040	557	368	184	237	259	302	31	2190	1810	1840	481
8	793	525	239	205	204	277	356	43	2170	1780	1860	153
9	831	484	227	198	204	187	331	42	2140	1800	1860	83
10	556	455	205	172	231	249	304	104	2140	1790	1480	65
11	508	636	197	182	210	218	289	65	2060	1730	1470	82
12	333	505	228	178	191	380	265	50	1800	1670	1340	97
13	310	518	232	220	154	357	206	48	1850	1690	1380	132
14	209	504	178	184	165	285	360	65	1870	1640	1200	97
15	134	520	188	180	176	405	203	144	1810	1560	1120	104
16	149	260	218	210	162	310	51	216	1850	1430	1060	172
17	120	392	216	187	212	298	60	532	1610	1430	1040	115
18	257	586	238	177	200	220	104	823	1780	1440	1070	145
19	209	342	161	135	189	273	107	939	1930	1310	1220	30
20	223	199	175	169	180	235	88	988	2030	1330	1070	30
21	283	287	154	148	189	225	103	941	1970	1350	769	30
22	211	280	180	149	189	244	83	946	1900	1170	712	30
23	188	249	228	168	162	255	95	928	1890	1320	673	30
24	312	387	173	174	191	365	102	907	1920	1470	669	30
25	474	350	153	154	195	400	65	1080	1810	1590	652	30
26	388	305	95	167	213	232	49	1100	1780	1540	611	30
27	380	214	182	194	197	143	86	1490	1800	1370	603	30
28	378	201	166	162	212	183	61	1660	1730	1250	541	30
29	399	226	180	182	----	172	103	1780	1790	1480	507	45
30	373	216	222	172	.....	289	156	1920	1890	1380	525	61
31	323	----	225	175	----	263	.....	1830	.....	1340	652	----
Mean	423	385	211	171	196	265	184	610	1970	1580	1120	146
Max.	1310	586	368	230	248	405	356	1920	2350	1930	1860	518
Min.	120	199	95	132	154	143	51	17	1610	1170	507	30
A. F.	26000	22900	13000	10500	10900	16300	10900	37500	117000	97200	68900	8690

Total Acre-Feet 440,000

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT TORRINGTON, WYOMING

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1075	950	800	625	575	600	675	428	2320	1880	1320	936
2	1050	950	900	612	564	552	662	355	2360	1860	1340	920
3	1100	900	900	625	612	575	688	386	2320	2060	1360	826
4	1300	900	800	638	612	638	662	376	2180	2200	1360	826
5	2175	900	800	650	612	688	612	386	2450	2000	1380	812
6	2200	975	750	728	588	588	529	376	2470	1980	1860	968
7	1800	975	975	688	600	575	564	346	2400	2000	1760	984
8	1525	975	750	714	675	588	650	317	2470	1980	2160	856
9	1525	1025	800	700	552	588	552	317	2490	1880	2140	742
10	1350	900	775	638	575	600	552	317	2510	1740	2060	742
11	1525	975	775	564	575	600	575	308	2510	1760	1860	675
12	1475	1025	775	564	625	600	552	298	1980	1760	1600	675
13	1325	1025	950	625	588	600	540	279	2120	1720	1680	675
14	1200	1025	800	625	552	600	518	317	2140	1640	1680	688
15	1200	1025	775	600	564	600	650	336	1920	1600	1340	662
16	1200	1025	775	625	552	620	518	326	1900	1520	1300	688
17	1050	1025	775	600	552	638	518	336	1820	1490	1720	714
18	1050	1250	750	600	552	600	355	700	1780	1490	1290	675
19	1050	1150	775	552	506	588	346	984	1820	1520	1320	650
20	1025	1050	750	575	552	625	355	1080	1840	1660	1600	588
21	950	975	750	575	575	612	376	1050	1880	1680	1200	518
22	950	975	750	552	564	600	439	1070	1900	1580	1120	529
23	1000	975	750	552	600	590	439	1240	2020	1660	1130	552
24	1000	975	750	575	600	575	450	1270	1880	1490	1050	575
25	1025	975	725	575	588	575	460	1250	1880	1490	1100	575
26	1150	975	700	575	625	575	450	1300	1900	1320	1020	564
27	1050	900	700	564	638	575	408	1340	1820	1250	1080	564
28	1050	750	700	588	588	575	397	1980	1760	1130	1020	662
29	1025	750	700	625	.....	565	418	3000	1760	1240	968	552
30	1025	900	700	625	.....	555	418	1940	1880	1360	952	575
31	1025	.....	700	600	.....	540	----	1920	.....	1240	936	.....
Mean	1240	972	777	611	584	594	511	836	2080	1650	1410	699
Max.	2200	1250	975	728	675	688	688	3000	2510	2200	2160	984
Min.	950	750	700	552	506	540	346	279	1760	1130	936	518
A. F.	76200	57800	47800	37600	32400	36500	30400	51400	124000	101000	86700	41600

Total Acre-Feet 723,400

Highest gage height 1.61, June 10 and 11, 1931

Lowest gage height 0.26, May 13, 1931

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT WYOMING-NEBRASKA LINE

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1100	1040	858	665	627	562	618	469	1770	1540	1240	770
2	1110	1030	833	636	618	580	656	445	1960	1560	1250	803
3	1250	1010	858	586	608	580	646	421	1980	1560	1270	858
4	1480	964	869	580	646	627	608	405	1960	1560	1320	825
5	1960	976	880	553	656	646	589	383	2020	1650	1430	792
6	2250	1060	858	553	676	636	580	398	1940	1590	1650	803
7	2230	1010	892	636	696	627	589	429	1980	1560	1730	916
8	2020	1060	904	676	665	636	627	437	2090	1540	1790	869
9	2020	1110	836	696	646	627	636	421	2050	1580	1790	728
10	1940	1110	858	560	608	598	636	413	2000	1580	1650	676
11	1750	1130	836	520	627	570	627	398	2090	1540	1520	627
12	1730	1170	825	530	627	580	618	398	1690	1480	1440	598
13	1580	1140	825	560	598	562	618	390	1630	1480	1350	598
14	1520	1060	814	540	598	553	627	361	1650	1460	1280	562
15	1410	1060	781	500	598	553	749	361	1670	1350	1200	544
16	1320	1040	738	520	598	598	738	361	1690	1270	1220	544
17	1280	964	750	530	589	562	665	398	1690	1160	1250	570
18	1190	1010	738	540	618	598	646	528	1610	1080	1170	562
19	1200	1130	760	540	618	598	570	676	1630	1130	1190	528
20	1200	1080	792	560	589	570	536	811	1610	1320	1190	510
21	1160	1000	718	598	608	553	494	858	1590	1340	1080	494
22	1270	964	676	562	608	536	485	836	1610	1350	1000	469
23	1160	1000	696	544	618	553	528	836	1650	1320	976	477
24	1270	940	696	562	589	544	580	847	1690	1270	940	528
25	1240	976	728	562	589	598	570	880	1670	1250	880	536
26	1250	964	728	570	589	598	570	916	1650	1160	858	562
27	1250	964	707	570	570	354	528	1030	1630	1130	836	570
28	1130	964	728	618	553	686	494	1200	1520	1110	803	580
29	1140	904	707	656	.....	858	469	1340	1480	1160	814	570
30	1080	869	656	665	.....	836	461	1460	1540	1220	781	570
31	1060	.....	696	656	.....	580	.....	1540	.....	1220	760	.....
Mean	1440	1020	782	582	615	599	592	666	1760	1370	1210	635
Max.	2250	1170	904	696	696	858	749	1540	2090	1650	1790	916
Min.	1060	869	656	500	553	354	461	361	1480	1080	760	469
A. F.	88500	60700	48100	35800	34200	36800	35200	41000	105000	84200	74400	37800

Total Acre-Feet 681,700

Highest gage height 2.34, June 5, 1931
Lowest gage height 0.86, March 27, 1931

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, SOUTH OF TRI-STATE SLUICE GATES

MAIN AND RAMSHORN CHANNELS

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	N.R	173	66
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	163	63
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	181	67
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	238	69
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	354	67
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	463	76
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	544	158
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	566	112
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	529	73
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	505	65
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	510	72
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	417	58
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	349	61
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	203	60
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	290	59
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	321	56
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	193	55
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	117	62
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	174	58
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	158	58
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	143	160	57
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	139	158	56
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	120	109	51
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	131	80	65
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	119	67	36
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	120	87	51
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	126	67	83
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	118	63	81
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	120	64	89
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	186	64	85
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	292	63	.....
Mean	.....	.....	.....	.....	.....	.....	.....	.....	.....	*147	240	68
Max.	.....	.....	.....	.....	.....	.....	.....	.....	.....	292	566	158
Min.	.....	.....	.....	.....	.....	.....	.....	.....	.....	118	63	36
A. F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	3201	14738	4104

N. R.—No record
*11 day mean

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT MITCHELL, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2000	1625	1550	1370	1050	912	1280	951	420	345	355	225
2	2000	1550	1475	1270	1130	854	1350	932	645	345	325	225
3	2250	1625	1475	1230	1110	912	1460	932	725	370	345	225
4	2300	1550	1550	1210	1090	951	1320	1010	740	485	345	220
5	2325	1550	1475	1170	1090	932	1210	1110	780	580	420	220
6	2750	1625	1475	1110	1090	932	1130	1170	873	550	485	220
7	2750	1625	1350	1190	1110	873	1090	1070	834	500	705	240
8	2600	1625	1400	1130	1110	815	1110	893	971	500	893	265
9	2400	1625	1350	1070	1130	854	1090	780	971	460	990	225
10	2250	1625	1400	1050	1010	854	1070	834	912	435	1050	215
11	2100	1550	1400	1070	990	815	1050	760	1190	395	893	215
12	2250	1625	1400	1050	990	815	990	665	873	345	795	215
13	2100	1625	1475	1010	1010	815	912	595	685	310	595	210
14	1925	1550	1400	1010	1030	834	795	550	705	295	460	215
15	1850	1625	1350	1050	1030	873	893	485	610	275	395	215
16	1775	1550	1350	1130	1010	912	990	435	565	260	485	210
17	1775	1500	1400	1210	990	854	932	410	460	265	515	210
18	1750	1500	1350	1170	1030	873	912	355	370	265	395	215
19	1775	1625	1400	1210	1050	893	854	355	355	260	335	225
20	1775	1625	1400	1070	1030	893	893	410	355	260	320	235
21	1775	1550	1350	1090	1010	893	834	380	410	310	295	225
22	1700	1500	1400	990	1010	912	854	335	420	335	265	225
23	1700	1550	1400	971	990	951	932	335	435	320	220	235
24	1700	1350	1350	990	932	893	990	345	515	310	210	235
25	1700	1500	1350	990	834	912	971	265	435	310	215	220
26	1700	1625	1400	1010	834	700	932	255	395	305	220	210
27	1700	1550	1350	971	912	485	912	305	355	320	220	210
28	1625	1550	1350	971	951	700	932	310	335	295	215	210
29	1625	1550	1300	990	.....	800	873	310	335	305	210	200
30	1625	1550	1300	1030	.....	975	854	285	355	345	205	215
31	1625	.....	1400	1010	.....	1050	.....	305	.....	355	200	.....
Mean	1970	1570	1400	1090	1020	862	1010	585	601	355	438	221
Max.	2750	1625	1550	1370	1130	1050	1460	1170	1190	580	1050	265
Min.	1625	1350	1300	971	834	485	795	255	335	260	200	200
A. F.	121000	93400	86100	67000	56600	53000	60100	36000	35800	21800	26900	13200

Total Acre-Feet 671,000

Highest gage height 2.22, October 6 to 7, 1930
Lowest gage height 0.56, September 26, 1931

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT MINATARE, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2500	2200	1700	1590	1280	1320	1880	1130	256	344	507	423
2	2500	2050	1700	1500	1280	1280	1640	1130	410	370	450	436
3	2900	2050	1850	1460	1280	1260	1520	933	630	450	450	436
4	3000	1900	1900	1410	1320	1260	1410	1130	630	568	450	410
5	3000	1850	1900	1370	1320	1340	1410	1130	630	630	450	397
6	3300	1850	1900	1370	1370	1320	1410	1340	664	681	476	384
7	3650	1850	1850	1320	1410	1280	1300	1190	895	664	538	476
8	3500	1850	1700	1320	1410	1280	1300	1070	1190	630	630	491
9	3300	2050	1700	1370	1370	1230	1190	952	1230	568	876	538
10	3200	2100	1550	1370	1370	1300	1190	933	1230	568	990	423
11	2900	2050	1450	1460	1410	1340	1190	914	1280	507	876	397
12	2900	2050	1500	1460	1370	1280	1090	783	1460	507	698	397
13	2650	1950	1550	1460	1280	1320	1260	800	1110	476	599	384
14	2500	1900	1500	1450	1370	1170	1190	895	1110	423	522	397
15	2450	1900	1420	1450	1370	1190	990	664	800	397	463	300
16	2250	1850	1420	1500	1430	1280	1210	630	952	397	436	300
17	2100	1850	1420	1530	1340	1320	914	630	766	397	584	344
18	2100	1900	1300	1560	1390	1280	1110	553	766	397	522	397
19	2050	1950	1300	1600	1390	1280	914	630	507	370	436	397
20	2200	1900	1420	1620	1300	1150	914	599	463	370	357	450
21	2050	1850	1420	1620	1230	1110	914	553	397	423	300	491
22	2100	1850	1500	1620	1370	1110	914	344	410	423	322	463
23	1900	1750	1550	1610	1410	1150	1130	289	410	423	322	463
24	1900	1700	1700	1580	1300	1110	1130	322	410	450	311	522
25	1850	1700	1550	1540	1340	1150	1130	344	423	423	311	553
26	2050	1700	1700	1470	1370	900	1130	188	647	450	267	538
27	2100	1850	1700	1410	1370	780	1030	142	584	476	267	538
28	1950	1750	1550	1360	1370	900	933	234	450	507	289	522
29	1700	1750	1500	1320	.....	950	1030	234	436	450	289	538
30	2100	1750	1500	1230	.....	1050	1030	278	344	476	289	538
31	2100	.....	1550	1190	.....	1400	.....	256	.....	476	357	.....
Mean	2480	1890	1590	1460	1350	1200	1180	685	716	474	472	445
Max.	3650	2200	1900	1620	1430	1400	1880	1340	1460	681	990	553
Min.	1700	1700	1300	1190	1230	780	914	142	256	344	267	300
A. F.	152000	112000	97800	89800	75000	73800	70200	42100	42600	29100	29000	26500

Total Acre-Feet 839,900

Highest gage height 2.12, Oct. 7, 1931
Lowest gage height 0.60, May 27, 1931

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT BRIDGEPORT, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3350	2800	2200	1950	2000	1630	2600	1380	504	668	578	552
2	3700	2800	2200	1950	2000	1630	2420	1600	493	565	552	628
3	3950	2800	2200	1950	2000	1600	2060	1320	515	528	590	696
4	4350	2800	2200	1950	1820	1600	1790	1420	654	628	654	696
5	4350	2600	2100	1950	1690	1600	1790	1500	940	668	615	724
6	4150	2600	2100	1800	1650	1540	1820	1710	1040	828	602	696
7	4600	2600	1900	1800	1670	1480	1840	1760	1130	780	640	724
8	4600	2600	1700	1800	1500	1440	1790	1560	1150	780	724	766
9	4150	2600	1700	1800	1420	1420	1630	1440	1240	696	1190	780
10	3900	2600	1700	1800	1500	1480	1500	1360	1240	668	1230	752
11	3700	2600	1700	1900	1630	1480	1500	1360	1320	640	1240	654
12	3700	2600	2300	1900	1650	1460	1500	1360	1420	628	1260	640
13	3700	2300	2300	1900	1540	1460	1500	1260	1460	615	1060	640
14	3700	2000	2300	1900	1460	1440	1520	1240	1280	565	908	640
15	3700	2000	2000	1900	1520	1440	1420	1240	1130	493	812	668
16	3350	2000	1700	2000	1580	1420	1320	1170	958	460	724	682
17	3150	1900	2000	2000	1580	1400	1320	1030	876	427	724	640
18	3150	1900	2000	2000	1580	1400	1320	940	780	427	738	696
19	3150	1750	1600	2000	1580	1380	1280	940	682	396	738	812
20	3150	1900	1600	2000	1630	1380	1300	940	603	405	682	844
21	3150	2350	1600	2100	1670	1360	1260	1060	565	449	668	796
22	3000	2350	1600	2100	1670	1360	1240	940	812	471	640	780
23	2800	2350	1700	2100	1670	1440	1440	796	752	416	654	860
24	2800	2350	1900	2100	1630	1340	1760	710	724	416	578	958
25	2600	2350	1900	2100	1650	1340	1790	628	780	438	552	992
26	2600	2350	1800	2050	1600	1190	1790	528	780	471	578	1030
27	2600	2350	1800	2050	1580	1010	1790	438	752	482	493	1030
28	2800	2200	1800	2050	1630	1010	1360	471	628	493	493	876
29	2800	2200	1800	2050	.....	1040	1260	460	528	460	482	876
30	2800	2200	1800	2050	.....	1040	1280	482	552	515	482	892
31	2800	.....	1800	2050	.....	1040	.....	449	.....	515	552	.....
Mean	3430	2360	1900	1970	1650	1380	1610	1080	876	548	724	767
Max.	4600	2800	2300	2100	2000	1630	2600	1760	1460	828	1260	1030
Min.	2600	1750	1600	1800	1420	1010	1240	438	493	396	482	552
A. F.	211000	140000	117000	121000	91600	84800	95800	66400	52100	33700	44500	45600

Total Acre-Feet 1,100,000

Highest gage height 6.55, October 7 to 8, 1930
Lowest gage height 5.20, July 19, 1931

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT OSHKOSH, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3400	2750	2950	2400	3090	2020	1800	1480	455	570	435	545
2	3200	2750	2950	2400	3000	1880	1800	1600	445	580	455	715
3	3700	2750	2950	2400	3000	1740	1850	2020	445	580	480	760
4	4400	2750	2950	2400	2650	1740	1700	1740	425	725	405	740
5	4300	2900	2900	2400	2480	2020	1680	1740	610	725	425	715
6	3900	2750	2850	2400	2300	2020	1880	1680	775	580	445	700
7	3700	2750	2800	2400	2300	2020	1740	1680	785	640	435	700
8	4100	2750	2750	2400	2160	2300	1740	1820	795	640	445	700
9	3900	2750	2700	2400	2020	3000	1740	1620	815	700	570	685
10	3700	2750	2700	2400	1740	2650	1600	1510	1040	655	945	865
11	3700	2600	2700	2300	1880	2020	1600	1400	2040	465	970	570
12	3900	2750	2650	2300	1880	1880	1600	1400	1260	405	1190	580
13	3550	2750	2600	2300	1880	1880	1600	1400	1260	480	1190	580
14	3700	2750	2550	2300	1880	1740	1600	1400	1180	435	925	570
15	3400	2750	2500	2300	1880	1740	1600	1400	1100	465	900	670
16	3400	2750	2450	2400	2150	1740	1600	1170	1080	405	715	685
17	3200	2750	2450	2400	2150	1740	1600	1000	865	405	625	775
18	3050	2750	2400	2400	2150	1880	1350	830	685	360	520	925
19	2750	2750	2400	2400	2020	1880	1480	815	610	335	530	1020
20	2750	2750	2350	2400	1880	1740	1480	795	465	345	580	970
21	2750	3700	2350	2550	2150	1740	1350	775	360	253	520	1020
22	2750	4800	2300	2550	2150	1600	1240	945	350	290	490	970
23	2750	5200	2300	2550	2150	1480	1480	925	350	345	530	900
24	2750	4400	2250	2550	2150	1480	2020	860	350	390	670	1100
25	2750	3700	2250	2550	2300	1740	1880	795	445	315	595	1080
26	2750	3300	2200	2700	2150	1880	1740	775	390	300	570	1020
27	2750	3300	2200	2700	2020	1880	1740	760	445	435	445	970
28	2750	3300	2200	2700	2020	1850	1600	670	445	390	435	925
29	2750	3000	2200	2700	.....	1850	1740	655	490	390	465	925
30	2750	3000	2200	2700	.....	1850	1600	555	390	390	455	740
31	2750	.....	2200	2700	.....	1800	.....	505	....	390	455	.....
Mean	3290	3090	2520	2470	2200	1900	1650	1180	705	464	607	803
Max.	4400	5200	2950	2700	3090	3000	2020	2020	2040	725	1190	1100
Min.	2750	2600	2200	2300	1740	1480	1240	505	350	253	405	545
A. F.	202000	184000	155000	152000	122000	117000	98200	72600	42000	28500	37300	47800

Total Acre-Feet 1,260,000

Highest gage height 3.20, Nov. 23, 1930
Lowest gage height 1.12, July 21, 1931

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT LEWELLEN, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R	350	485	465
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	355	490	575
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	370	485	640
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	590	485	620
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	540	455	590
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	475	415	540
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	525	465	560
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	620	370	560
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	655	430	560
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	640	700	590
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	500	725	500
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	440	915	500
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	465	1040	490
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	375	700	465
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	350	540	540
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	345	500	510
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	350	455	605
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	355	430	670
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	340	465	805
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	360	465	805
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	345	410	670
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	360	395	670
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	370	410	640
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	365	475	1120
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	360	455	1120
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	365	455	1090
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	370	380	1040
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	380	385	1010
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	395	380	1040
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	400	400	832
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	440	400	.....
Mean	.....	.....	.....	.....	.....	.....	.....	.....	.....	425	503	694
Max.	.....	.....	.....	.....	.....	.....	.....	.....	.....	655	1040	1120
Min.	.....	.....	.....	.....	.....	.....	.....	.....	.....	340	370	465
A. F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	36083	30863	41300

N.R.—No Record

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT SUTHERLAND, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R	5	5	48
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	220	64	68
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	96	56	170
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	200	42	245
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	310	11	320
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	515	5	445
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	330	350	340
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	235	530	340
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	235	270	445
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	300	150	380
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	230	85	290
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	210	265	245
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	190	355	290
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	120	445	310
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	36	445	270
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	24	470	265
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	14	420	300
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	370	300
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	180	320
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	170	430
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	165	540
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	490	580
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	320	625
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	230	695
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	130	720
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	96	735
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	96	760
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	96	760
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	60	800
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	80	785
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	52	.....
Mean	.....	.....	.....	.....	.....	.....	.....	.....	.....	106	210	427
Max.	.....	.....	.....	.....	.....	.....	.....	.....	.....	515	530	800
Min.	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	5	48
A. F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	6534	12900	25430

N.R.—No Record

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT NORTH PLATTE, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3450	3100	3700	1970	3920	2390	1970	2660	390	105	95	195
2	3300	3100	3900	2100	3730	2520	3010	2520	350	210	105	210
3	4100	3300	3700	2250	3720	2390	6150	2100	280	305	160	230
4	5800	3100	3700	2390	3550	2390	4980	2100	280	360	230	300
5	5300	3000	3700	2390	3380	1850	2850	2530	620	425	180	395
6	5100	3300	3900	2530	3370	1160	2250	2390	670	470	180	440
7	4550	3300	3900	2660	2850	1720	2100	2100	570	470	235	440
8	4550	3300	3550	2660	2850	2250	1970	2100	570	470	335	465
9	4100	2850	3550	2660	2850	2530	2100	2390	730	470	345	465
10	4550	2850	3250	2520	2530	3370	2100	2100	860	465	305	460
11	5350	3100	3250	2530	2660	4330	2100	1970	1150	465	230	460
12	5350	3100	3100	2100	2660	3920	2100	1730	1340	460	210	460
13	4550	3100	3100	1970	2660	2850	2100	1720	1480	450	305	460
14	4100	3100	3250	1590	2520	2390	2100	1590	1720	365	465	475
15	4100	3050	3000	1590	2390	2250	1850	1480	1340	255	570	520
16	4100	2850	2600	1980	2390	2100	1980	1240	1070	190	620	475
17	4100	2750	3000	1850	2530	2100	1970	1150	1000	160	620	520
18	3700	2600	3250	1850	2390	2100	1980	1000	860	130	570	620
19	3100	2850	2850	1720	2250	2390	1970	1000	790	125	470	670
20	3100	1500	2400	2100	2250	2530	1980	930	790	130	380	670
21	3100	1400	1900	2390	2250	2520	1850	860	670	130	335	790
22	3300	1800	2050	2850	2850	2250	1720	790	620	110	300	790
23	3300	3400	2100	2660	3200	2100	1730	730	395	105	285	790
24	3300	4050	2250	2660	2850	2250	2100	730	350	90	350	925
25	3100	3900	2450	3010	2520	2100	2390	790	350	85	320	925
26	3300	3700	2600	3010	2390	2100	2850	730	315	85	270	1000
27	3300	4250	2750	3380	2530	2100	2850	620	250	85	240	1070
28	3300	4050	3000	3720	2520	2250	2520	460	210	80	225	1000
29	3300	3900	3000	3730	.....	2100	2530	440	165	75	220	1000
30	3000	3700	2750	3920	.....	2100	2660	440	130	80	210	1000
31	3300	.....	2750	3930	.....	1850	.....	405	.....	85	200	.....
Mean	3935	3145	3040	2540	2800	2360	2430	1410	675	240	310	610
Max.	5800	4250	3900	3930	3930	4325	6150	2660	1720	470	620	1070
Min.	3000	1400	1900	1590	2250	1155	1720	405	130	75	95	195
A. F.	241987	187143	186945	156042	155824	145290	144419	86867	40295	14856	19171	36200

Total Acre-Feet 1,415,040

Highest gage height 4.44, April 3, 1931
Lowest gage height 2.17, July 1, 1931

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER, AT JULESBURG, COLORADO

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	157	404	689	468	439	532	1573	160	46	60	29	28
2	174	400	611	463	427	537	1882	152	42	60	32	28
3	190	396	623	445	412	553	1702	123	36	55	23	23
4	281	396	650	445	398	571	1576	111	39	82	24	21
5	446	403	627	412	391	669	1528	102	69	75	20	23
6	449	403	656	412	405	778	1456	96	68	60	23	20
7	428	405	618	423	420	820	1379	80	59	57	28	18
8	394	407	596	405	428	860	1170	71	43	48	32	19
9	400	407	608	395	406	902	900	104	53	40	28	20
10	454	399	603	364	406	976	738	79	51	38	25	17
11	501	401	588	350	454	1052	638	80	59	33	28	15
12	490	399	573	325	437	967	535	72	55	31	28	19
13	461	386	568	310	447	840	492	69	50	30	25	17
14	436	380	554	251	445	768	419	62	45	29	23	14
15	445	387	554	211	441	549	356	57	39	35	24	21
16	461	382	560	255	421	542	335	55	38	30	20	23
17	449	365	552	291	427	524	266	63	37	27	20	24
18	433	372	522	299	411	498	234	51	36	27	23	29
19	414	370	503	281	386	498	191	50	35	24	24	36
20	408	222	472	264	318	509	169	50	41	26	21	27
21	416	152	471	323	355	427	158	46	40	25	23	26
22	420	132	449	390	469	444	154	45	46	25	28	38
23	420	121	474	444	526	409	182	42	38	23	25	37
24	419	216	492	494	554	305	254	34	37	22	25	44
25	440	486	474	490	565	248	305	34	39	24	24	43
26	435	579	430	459	546	202	309	45	43	22	24	41
27	414	651	438	464	537	180	292	43	44	23	24	36
28	407	675	422	477	543	238	227	45	31	25	24	32
29	407	711	442	460	.....	276	194	47	27	24	24	43
30	399	687	468	445	.....	382	176	47	37	23	23	47
31	397	.....	496	453	.....	568	.....	47	.....	22	22	.....
Mean	401	403	541	386	443	568	660	70	44	36	24	27
Max.	501	711	689	494	565	1052	1882	160	69	82	32	47
Min.	157	121	422	211	318	180	154	34	27	22	20	14
A. F.	24600	24000	33300	23700	24600	34900	39300	4280	2620	2230	1520	1640

Total Acre-Feet 216,690

Record furnished by State of Colorado

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER, AT OGALLALA, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	1900	195	38	10	13	1
2	.....	.....	.....	.....	.....	.....	1900	165	35	12	1	1
3	.....	.....	.....	.....	.....	.....	1900	140	37	8	1	1
4	.....	.....	.....	.....	.....	.....	1900	120	36	35	1	1
5	.....	.....	.....	.....	.....	.....	1900	95	47	35	0	1
6	.....	.....	.....	.....	.....	.....	1700	105	48	32	1	1
7	.....	.....	.....	.....	.....	.....	1670	65	47	2	46	0
8	.....	.....	.....	.....	.....	.....	1620	80	44	2	32	0
9	.....	.....	.....	.....	.....	.....	1390	85	45	18	31	0
10	.....	.....	.....	.....	.....	.....	1170	115	46	25	30	0
11	.....	.....	.....	.....	.....	.....	1000	110	50	22	10	0
12	.....	.....	.....	.....	.....	.....	770	95	46	23	6	0
13	.....	.....	.....	.....	.....	.....	620	85	42	22	5	0
14	.....	.....	.....	.....	.....	.....	475	87	43	17	6	0
15	.....	.....	.....	.....	.....	.....	340	79	39	12	6	0
16	.....	.....	.....	.....	.....	.....	315	81	37	6	6	1
17	.....	.....	.....	.....	.....	.....	325	75	37	4	5	4
18	.....	.....	.....	.....	.....	.....	270	77	37	4	4	4
19	.....	.....	.....	.....	.....	.....	225	61	37	4	4	4
20	.....	.....	.....	.....	.....	.....	200	59	35	3	4	4
21	.....	.....	.....	.....	.....	.....	180	63	37	3	4	2
22	.....	.....	.....	.....	.....	.....	155	71	32	3	4	2
23	.....	.....	.....	.....	.....	.....	170	50	32	3	4	2
24	.....	.....	.....	.....	.....	.....	190	48	25	3	2	4
25	.....	.....	.....	.....	.....	.....	200	47	29	2	2	8
26	.....	.....	.....	.....	.....	.....	225	45	12	1	2	8
27	.....	.....	.....	.....	.....	.....	260	44	10	3	4	8
28	.....	.....	.....	.....	.....	.....	300	45	6	3	4	6
29	.....	.....	.....	.....	.....	.....	235	43	6	3	4	8
30	.....	.....	.....	.....	.....	.....	170	38	6	3	4	5
31	.....	.....	.....	.....	.....	.....	.....	36	.....	2	4	.....
Mean	.....	.....	.....	.....	.....	.....	416	81	34	10	8	2
Max.	.....	.....	.....	.....	.....	.....	1900	195	50	35	46	8
Min.	.....	.....	.....	.....	.....	.....	170	36	6	1	0	0
A. F.	.....	.....	.....	.....	.....	.....	46959	4967	2025	645	496	151

N.R.—No Record

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER, AT NORTH PLATTE, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	75	1100	1650	1020	700	675	675	325	0	0	0	0
2	100	1100	1900	885	675	780	780	230	0	0	0	0
3	250	750	1350	780	675	595	1020	176	0	0	0	0
4	850	550	1350	675	510	595	1600	207	0	0	0	0
5	650	650	1500	675	510	495	1450	170	31	0	0	0
6	650	550	1400	675	510	485	1450	140	0	0	0	0
7	650	550	1350	595	595	475	1150	115	21	0	0	0
8	650	550	800	510	595	465	1150	132	43	0	0	0
9	650	650	1000	595	595	460	1020	120	120	0	0	0
10	650	425	750	595	510	450	1020	75	55	0	0	0
11	1000	425	750	595	595	445	780	63	124	0	0	0
12	1100	425	750	600	510	435	675	63	110	0	0	0
13	850	350	750	625	595	430	480	63	59	0	0	0
14	850	350	925	625	445	425	455	63	34	0	0	2
15	850	375	750	625	510	420	405	43	28	0	0	5
16	850	500	750	625	510	415	420	31	15	0	0	5
17	850	500	750	625	480	410	355	9	5	0	0	0
18	850	500	900	625	420	405	430	2	2	0	0	0
19	850	500	900	650	495	405	345	0	0	0	0	0
20	850	500	1150	650	510	495	380	0	0	0	0	0
21	850	400	900	650	430	395	285	0	0	0	0	0
22	850	350	900	650	675	395	222	0	0	0	0	0
23	850	350	1025	650	780	380	275	0	0	0	0	0
24	850	350	1025	675	675	325	445	0	0	0	0	0
25	850	850	1350	675	675	340	355	0	0	0	0	0
26	850	850	1025	675	675	350	345	0	0	0	0	0
27	850	650	1300	675	780	360	365	0	0	0	0	0
28	850	1100	1150	675	780	380	335	0	0	0	0	0
29	1100	1350	1150	700	.....	400	420	0	0	0	0	0
30	1100	1650	1300	700	.....	405	325	0	0	0	0	0
31	1100	.....	1350	700	.....	780	.....	0	.....	0	0	.....
Mean	780	640	1100	665	590	460	650	65	22	0	0	0
Max.	1100	1650	1900	1020	780	780	1600	325	124	0	0	5
Min.	75	350	750	510	420	325	222	0	0	0	0	0
A. F.	47951	38083	67241	41009	32559	28404	38702	4020	1283	0	0	24

Total Acre-Feet 299,276

Highest gage height 3.02, January 27, 1931
Lowest gage height 0.02, August 26, 1931

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT GOTHENBURG, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R	30	25	64
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	60	28	110
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	110	31	125
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	140	36	0
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	152	72	0
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	140	108	265
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	213	100	221
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	225	144	240
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	235	96	280
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	245	155	305
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	255	144	280
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	265	122	280
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	275	144	255
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	320	190	305
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	285	275	355
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	147	290	390
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	105	330	420
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	96	355	445
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	84	340	350
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	87	215	370
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	50	215	370
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	50	215	255
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	42	175	175
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	255	330
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	330	420
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	25	255	500
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	175	395
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	185	470
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	110	440
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	28	125	420
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	190	.....
Mean	.....	.....	.....	.....	.....	.....	.....	.....	.....	123	175	294
Max.	.....	.....	.....	.....	.....	.....	.....	.....	.....	320	330	500
Min.	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	25	0
A. F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	7605	10770	17524

N.R.—No Record

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT OVERTON, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2800	3900	4800	3280	5170	4410	3090	2900	140	0	0	0
2	3400	3900	4100	2900	4910	4410	4910	2900	95	0	0	0
3	4300	3700	4500	2900	4650	4410	5970	2900	35	0	0	0
4	4500	3700	4800	2900	4180	4170	8500	2900	25	0	0	0
5	5500	3700	4800	2900	4170	3940	7500	2900	70	0	0	0
6	6350	3500	5300	2720	4180	3490	6550	2720	135	0	0	0
7	5500	3700	5000	3280	3700	3490	5180	2720	180	0	0	0
8	5300	3700	5000	3280	3700	3490	4410	3090	200	0	0	0
9	5000	3700	5000	3490	4170	3490	3700	2900	200	0	0	0
10	4500	3500	4800	3490	3940	4410	3700	2720	200	0	0	0
11	4800	3700	3700	3490	3940	5980	3700	2540	315	0	0	0
12	9700	3700	4300	2900	3940	6550	3300	2540	540	0	0	0
13	8300	3700	4100	2370	3700	6550	2900	2370	920	0	0	0
14	6200	3650	4100	2450	3490	5700	2900	2200	1090	0	0	0
15	5600	3650	3900	2540	3490	4410	2540	1900	1260	0	0	0
16	5400	3800	3700	2900	3700	3940	2540	1620	1260	0	0	0
17	4900	3900	3500	3090	3700	3940	2540	1500	1260	0	0	0
18	4700	3600	3100	3280	3700	3940	2370	1380	630	0	0	0
19	4500	4300	3300	3490	3700	3940	2370	1260	470	0	0	0
20	4300	5300	3700	3280	3700	3940	2370	1260	330	0	0	0
21	4100	3800	3300	2900	3700	4170	2540	1140	185	0	0	0
22	4100	2200	3000	2720	4650	4180	2370	1030	40	0	0	0
23	4300	1800	2800	2900	5180	4650	2370	920	60	0	0	0
24	3900	1000	2500	3700	5440	3940	2540	820	40	0	0	0
25	3700	1300	2600	4410	5440	3700	2540	720	15	0	0	0
26	3900	1400	3000	4410	4910	4170	2720	630	0	0	0	0
27	3700	1500	3000	4650	4910	5700	2720	540	0	0	0	0
28	3900	1500	3000	4910	4650	4180	3090	470	0	0	0	0
29	3900	1500	3000	5170	.....	3540	3090	400	0	0	0	0
30	3500	1500	3500	5700	.....	2900	3090	330	0	0	0	0
31	3500	.....	3700	5700	.....	2540	.....	230	.....	0	0	.....
Mean	4800	3130	3840	3500	4250	4250	3600	1750	320	0	0	0
Max.	9700	5300	5300	5700	5440	6550	8500	3090	1260	0	0	0
Min.	2800	1000	2500	2370	3490	2540	2370	230	0	0	0	0
A. F.	293657	196052	235838	214416	235461	261604	214436	108002	19230	0	0	0

Total Acre-Feet 1,768,696

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT DUNCAN, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1360	3080	1450	2650	8100	3870	2210	3730	250	18	0	1
2	1480	2910	1430	2530	6600	4200	2440	3350	202	14	0	1
3	1970	2780	2600	2910	5290	3290	2560	3180	144	11	0	1
4	2040	3260	3800	2900	5240	3790	3910	2760	76	24	0	1
5	3590	3220	4800	2900	5030	3180	6790	3350	219	14	1	1
6	4790	3260	5200	2900	4330	2100	7460	4130	224	12	1	1
7	4110	3040	5140	2900	4200	1850	10800	3440	214	10	1	1
8	4600	2910	5340	2900	4200	1850	7300	2720	192	10	2	0
9	4980	3040	5950	2900	3870	1850	5840	2760	134	10	1	0
10	4500	3010	6000	2900	3700	2290	5190	3680	83	9	2	1
11	4840	3010	5840	2850	3520	5290	4600	3680	94	12	3	0
12	4460	3040	5080	2820	3220	5140	4200	2460	90	12	3	0
13	3990	3330	4330	2000	3590	5030	3670	2020	152	11	3	0
14	8900	3370	3900	1800	4240	4070	3290	1750	170	8	3	0
15	9800	3440	3600	1500	3440	5560	2880	1500	139	4	3	2
16	7940	3330	3300	1200	3220	4500	2750	1520	102	8	3	2
17	7170	3870	3100	1200	3290	4200	2720	1420	148	6	3	1
18	6360	3750	2950	1200	3520	3670	2720	1420	310	6	3	2
19	5400	3750	2800	1200	3560	3290	2750	1160	295	4	3	2
20	4640	5670	2650	1200	3520	3260	2620	1050	325	3	3	2
21	4280	7380	2600	1800	3480	3180	2650	1050	1420	5	2	2
22	4070	7540	2550	1800	3370	3370	2810	990	846	4	2	2
23	3890	3590	2500	1800	4070	3590	2780	862	523	4	1	2
24	3560	3080	2530	3000	4460	3400	2980	678	243	2	2	2
25	3440	2350	3040	4000	4690	3670	3150	678	130	2	1	3
26	3370	2000	3040	5000	4790	3590	3290	578	83	1	1	90
27	3370	1800	2980	6000	4790	2470	3440	470	50	1	0	56
28	3290	1600	2800	6500	4280	1020	3440	362	28	0	0	24
29	3290	1600	2700	7000	.....	950	3520	388	20	0	0	14
30	3080	1500	2600	7300	.....	1400	3630	348	18	2	0	14
31	3290	.....	2530	7500	.....	1820	.....	318	....	6	1	....
Mean	4380	3330	3520	3130	4270	3250	3950	1860	231	7	1	7
Max.	9800	7540	6000	7500	8100	5560	10800	4130	1420	24	3	90
Min.	1360	1500	1430	1200	3220	950	2210	318	18	0	0	0
A. F.	269000	198000	216000	192000	237000	200000	235000	114000	13700	449	92	452

Total Acre-Feet 1,680,000

Highest gage height 4.42, Jan. 30, 1931
Lowest gage height 0.62, Sept. 11, 1931

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT ASHLAND, NEBRASKA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3650	6800	4130	5780	10600	8800	3430	6560	2860	2050	1290	2240
2	3620	6750	3990	6280	12500	8200	7890	6750	2790	2390	1490	2200
3	3890	6140	3300	6420	10900	7630	9810	7130	2600	2170	1500	2090
4	3920	6370	5620	6700	10800	7430	8580	6890	2390	1910	1430	2010
5	4560	6420	7780	6520	10500	7280	8740	8250	3430	1730	1520	1850
6	5620	6330	7990	7090	9940	7040	10300	8640	3390	2170	1490	1850
7	8520	6470	7580	7090	9500	6140	10100	9030	3390	2390	1700	1980
8	8300	6370	8420	7090	9090	4380	14300	8250	3470	2550	1820	2050
9	7940	6420	8800	7090	8640	4300	12200	7780	3680	2350	2140	2070
10	8360	5960	9750	7090	8580	4990	10900	7780	3510	2470	2480	2030
11	7990	5880	8520	4230	8250	5830	9750	8250	3240	2140	2160	1920
12	8200	5660	8360	4230	7780	6280	8520	8740	5250	2160	1830	1830
13	8250	5790	8040	4230	7480	8300	7780	7180	4390	2050	1830	1830
14	16300	6240	7940	4230	7280	8090	6890	6100	3510	1980	1780	1890
15	14100	6330	8200	4230	7990	8580	6560	5530	3050	1930	1620	1920
16	13900	8090	7680	2210	7480	7780	6010	5200	3010	1960	1620	1890
17	12000	8300	7580	2210	7130	8360	5920	5040	2830	1940	1680	1890
18	12400	8150	5830	2210	6990	8250	5830	4870	2740	1910	1730	2260
19	11700	8740	5700	2210	7230	7850	5960	4950	2740	1940	1730	2620
20	9440	11600	5360	2210	7630	7680	6890	4380	2740	1930	1830	3130
21	8520	14300	5300	3590	7580	7780	6610	4200	3800	2070	1820	3380
22	8040	14800	5100	4090	7480	7630	6470	4230	5560	1850	1800	2410
23	7480	12200	4720	4800	7280	8420	6330	3960	10200	1660	1620	2120
24	7280	8360	4870	7730	7130	7430	6560	4060	7600	1600	1680	2300
25	7130	6940	4990	10000	7890	7580	6850	3620	9080	1560	1650	2700
26	6890	7280	5200	10800	9090	7940	6990	3070	2880	1550	1830	3460
27	6660	5070	6000	11100	9570	8150	7480	2890	2710	1490	1940	4740
28	7840	3860	6400	11000	8970	7780	7330	3300	2580	1420	1830	3020
29	6660	3400	6600	13400	.....	4560	7090	3300	2370	1370	1730	2320
30	6660	4060	6750	12800	.....	5360	6700	2770	2140	1330	1660	2240
31	6610	.....	6470	13800	.....	3200	.....	2650	.....	1270	1620	.....
Mean	8140	7300	6350	6510	8620	7070	7830	5660	3790	1910	1740	2340
Max.	16300	14800	9750	13800	12500	8800	14300	9030	10200	2550	2480	4740
Min.	3620	3400	3300	2210	6990	3220	3430	2650	2140	1270	1290	1830
A. F	501000	434000	40300	400000	479000	435000	466000	348000	226000	117000	107000	139000

Total Acre-Feet 2,043,960

Highest gage height 4.60, Oct. 14, 1930
Lowest gage height 1.19, Sept. 12, 1931

PATHFINDER STORAGE RESERVOIR

DAILY CONTENTS IN ACRE-FEET

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	21180	38500	56380	75170	119600	358840	741930	830110	594710	348990
2	0	0	21820	39100	56890	76360	122410	365210	746400	830830	585040	340680
3	0	480	22540	39650	57400	77510	129000	371640	749060	829750	579500	332200
4	0	1530	23380	40200	57920	78610	136680	377710	751560	828490	574930	323540
5	0	2440	24320	40760	58440	79720	145550	384330	752730	825430	570430	315260
6	0	3370	24900	41330	58970	80800	154850	392020	754570	821840	565020	307080
7	0	4360	25500	41900	59500	81830	162910	403290	757920	817370	559120	298490
8	0	5430	26000	42470	60030	82840	169240	414280	762470	811470	553790	289540
9	0	6640	26690	43070	60550	83830	174720	424460	764840	804740	548740	282820
10	0	7950	27280	43660	61090	84780	179680	434900	768230	797200	543270	275250
11	0	9530	27820	44240	61630	85690	184500	445860	770440	790220	537180	267730
12	0	11080	28340	44830	62180	86560	187980	457700	771800	782090	529930	260010
13	200	12200	28860	45420	62720	87700	192070	471450	772480	773510	522060	252310
14	120	13160	29370	46020	63360	88870	196630	487340	775220	764670	514060	245210
15	0	14050	29880	46630	64000	90040	202490	504390	777790	756410	505590	238330
16	0	14970	30400	47250	64660	91210	210810	523430	779170	748230	496080	231800
17	0	15850	30800	47860	65320	92380	223690	542630	782090	739290	487000	225100
18	0	16310	31200	48480	65980	93560	237350	560430	786400	730120	477530	218620
19	0	16710	31600	49100	66640	94800	250200	577210	791090	720870	468320	212130
20	0	17060	32000	49710	67300	96040	261930	594020	794750	711570	459130	205340
21	0	17390	32510	50330	67950	97450	272170	610860	798600	702210	449970	198880
22	0	17720	33000	50970	68590	99050	281810	629450	801920	692800	440620	192310
23	0	18050	33520	51600	69240	100900	292500	649860	804560	682720	431120	185660
24	40	18380	34020	52130	69880	102990	305590	669290	807920	673230	421690	179240
25	310	18740	34550	52650	70530	105300	316440	686270	811650	663130	412380	173180
26	200	19100	35100	53170	71190	107880	324590	701100	815400	653630	402990	167100
27	80	19480	35650	53710	71850	109730	331580	712210	819520	643790	393660	162340
28	0	19870	36200	54250	72830	111620	338640	722000	822920	633190	384230	159420
29	0	20260	36780	54790	73990	113520	345310	729790	826150	623000	374520	158850
30	0	20650	37350	55330	.....	115440	352500	734690	828670	613080	365850	158700
31	0	.....	37920	55870	.....	117380	.....	738800	.....	603640	357380	.....

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, INTO PATHFINDER RESERVOIR

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	512	490	312	328	292	602	1119	3200	6360	6960	1420	330
2	467	485	359	338	292	600	1415	3210	6990	6630	1020	390
3	436	389	399	312	292	579	3323	3240	6590	5740	860	290
4	404	540	459	312	297	555	3872	3060	6690	5680	1350	120
5	364	545	510	317	297	590	4472	3340	6070	4730	1420	310
6	336	513	328	322	302	575	4689	3880	6380	4460	980	420
7	342	543	336	322	302	549	4064	5680	7160	4030	680	190
8	376	583	333	322	302	539	3191	5540	7700	3270	930	100
9	396	653	338	337	297	529	2763	5130	7080	2820	1050	220
10	406	703	332	333	307	509	2501	5260	7520	2460	890	210
11	449	839	307	328	307	489	2430	5530	7630	2640	510	160
12	526	824	297	333	312	469	1755	6070	6980	2090	640	50
13	698	608	297	333	307	605	2062	7070	6650	1880	730	70
14	580	528	292	337	358	620	2299	8140	7760	1750	660	100
15	532	491	292	343	358	620	2954	8680	7710	2010	420	110
16	575	509	297	348	368	620	4194	9640	7000	2240	480	260
17	571	489	237	343	368	620	6494	9760	7780	1960	790	160
18	552	277	237	348	368	615	6887	9090	8360	1850	570	280
19	526	247	237	348	368	635	6478	8550	8660	1760	640	250
20	498	221	237	343	368	635	5914	8610	8210	1740	600	160
21	489	210	292	348	363	721	5163	9080	7690	1720	590	310
22	512	210	282	358	358	816	4860	10500	7340	1680	470	220
23	539	210	292	353	363	935	5389	11410	7060	1350	390	210
24	591	210	287	302	358	1056	6600	12060	7420	1650	420	290
25	762	227	304	297	363	1166	5470	11920	7590	1280	510	410
26	590	227	314	297	368	1303	4109	11310	7570	1560	390	380
27	555	237	312	307	368	934	3524	9900	7770	1390	350	420
28	544	242	312	307	529	955	3559	9170	7370	1070	440	250
29	561	242	327	307	620	960	3363	8190	7340	1220	370	460
30	548	241	324	307	.....	970	3625	6800	6930	1370	280	530
31	516	.....	324	307	.....	980	.....	6770	.....	1240	340	.....
Mean	508	424	316	327	350	721	3951	7413	7312	2652	684	255
Max.	762	839	510	348	620	1303	6887	12060	8660	6960	1420	530
Min.	336	210	237	297	292	469	1119	3060	6360	1070	280	50
A. F.	31240	25260	19445	20100	20130	44330	235120	455790	435100	163100	42030	15190

Total Acre-Feet 1,506,835

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, OUTFLOW OF PATHFINDER RESERVOIR

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	512	490	40	35	35	7	0	0	4640	6000	5800	4500
2	467	485	36	35	35	0	0	0	4640	6030	5760	4480
3	436	147	36	35	35	0	0	0	5080	6020	3480	4460
4	404	10	36	35	35	0	0	0	5330	6010	3500	4430
5	364	85	36	35	35	30	0	0	5310	6010	3500	4410
6	336	43	36	35	35	30	0	0	5310	6010	3500	4480
7	342	43	36	35	35	30	0	0	5320	6010	3490	4460
8	376	43	36	35	35	30	0	0	5310	6010	3490	4510
9	396	43	36	35	35	30	0	0	5740	6010	3480	3510
10	406	43	35	35	35	30	0	0	5720	6010	3480	3950
11	449	43	35	35	35	30	0	0	6450	6000	3470	3930
12	526	43	35	35	35	30	0	0	6170	5990	4150	3900
13	597	43	35	35	35	30	0	0	6210	5980	4560	3890
14	620	43	35	35	35	30	0	0	6260	5970	4570	3630
15	593	43	35	35	35	30	0	0	6270	5960	4560	3520
16	575	45	35	35	35	30	0	0	6060	6230	5160	3500
17	571	45	35	35	35	30	0	0	6110	6280	5200	3480
18	552	45	35	35	35	20	0	0	6070	6260	5190	3470
19	526	45	35	35	35	10	0	0	6170	6240	5150	3450
20	498	45	35	35	35	10	0	70	6190	6230	5110	3520
21	489	45	35	35	35	10	0	530	5600	6220	5120	3510
22	512	45	35	35	35	10	0	940	5490	6200	5080	3490
23	539	45	35	35	35	2	0	960	5500	6280	5050	3530
24	571	45	35	35	35	2	0	2080	5500	6270	5030	3500
25	625	45	35	35	35	2	0	3200	5500	6240	5060	3450
26	645	45	35	35	35	2	0	3780	5500	6210	5030	3420
27	616	45	35	35	35	2	0	4250	5510	6180	5000	2790
28	584	45	35	35	35	2	0	4180	5520	6250	5160	1700
29	561	45	35	35	35	2	0	4170	5530	6260	5170	720
30	548	45	35	35	—	2	0	4170	5500	6230	4580	590
31	516	—	35	35	—	2	..	4560	.....	5920	4530	.....
Mean	508	77	35	35	35	15	0	1061	5650	6113	4562	3540
Max.	620	490	40	35	35	30	0	4560	6270	6280	5800	4500
Min.	336	10	35	35	35	0	0	0	4640	5920	3470	590
A. F.	31240	4610	2177	2150	2010	940	0	65240	336220	375910	280490	210660

Total Acre-Feet 1,311,647

Record furnished by the United States Bureau of Reclamation

GUERNSEY STORAGE RESERVOIR

DAILY CONTENTS IN ACRE-FEET

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25530	38240	30180	29590	28840	36660	44920	50400	38650	51640	47070	54290
2	26650	38120	30220	29740	28730	37740	45120	50220	38870	50360	49550	54150
3	27670	37770	30290	29820	28730	38640	45090	49730	39250	49520	53840	54020
4	28720	37310	30340	30000	28690	38960	45350	49420	39530	47930	57620	53860
5	29560	36820	30190	30080	28760	38780	45520	50040	40440	46360	59030	53670
6	30210	36320	30100	30050	28870	38780	45790	52160	41690	45490	59340	53470
7	31010	35530	30080	30100	28960	38800	46280	54860	42190	44620	59490	53250
8	31840	34480	30000	30080	29120	38600	46960	57640	41950	43940	59520	53050
9	32620	33390	29930	30140	29200	38510	47400	60060	41360	43230	59520	52870
10	33500	33160	29880	30210	29350	38490	47590	62050	39940	42430	59490	52830
11	34180	32890	29820	30270	29540	38550	47680	63920	39050	41650	59110	51480
12	34970	32730	29640	30320	29820	38600	47450	65680	38220	41160	57920	50660
13	35280	32610	29680	30340	30050	38780	46880	67340	38830	40100	56310	50080
14	34890	32470	29600	30160	30320	38910	46280	68890	39420	38920	54840	49830
15	34860	32290	29360	30050	30480	39090	45500	69210	39650	38350	53900	49630
16	35110	32150	29170	30000	30430	39390	44710	69280	40300	37910	52830	49570
17	35410	31980	29040	29940	30720	39800	44180	69650	41860	37720	52200	49440
18	35490	31930	28830	29890	30900	40210	43980	69390	43360	37610	52440	49320
19	35530	31880	28730	29850	30880	40940	44150	68270	45200	37720	52580	49150
20	35280	31950	28680	29690	31410	41750	44200	66590	47320	37720	52480	48970
21	35140	31680	28580	29620	31312	42320	44280	63520	49710	37980	52420	48620
22	35090	31180	28510	29600	31570	42780	44130	60770	52020	38350	52300	48090
23	34940	30800	28550	29540	31740	43100	44130	57200	53760	38780	52180	47850
24	34600	30400	28530	29510	32000	43530	45120	53170	54470	39280	52040	47910
25	34800	30350	28640	29480	32360	43900	46470	48660	54920	40120	51760	48260
26	34680	30240	28800	29400	32800	44130	47550	44090	55050	40900	51540	48900
27	35320	30030	29050	29260	33730	44280	48240	40650	54800	41730	52500	50160
28	35920	30000	29050	29180	34500	44470	49070	39180	54120	42500	53210	51520
29	36920	30020	29200	29070	35480	44660	49630	39140	53840	43400	53860	53150
30	37450	30140	29430	28960	.....	44570	50080	39030	52770	44530	54020	54840
31	37860	.....	29660	28790	.....	44800	.....	38850	.....	45750	54390	.....

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, INTO GUERNSEY RESERVOIR

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	817	796	240	261	220	853	286	1172	4387	5480	5999	4724
2	866	676	255	256	171	798	323	1056	4533	5431	5981	4549
3	799	675	260	266	242	691	270	1026	4657	5679	5403	4489
4	804	673	245	291	165	367	301	1126	4607	5820	5416	4451
5	693	605	190	210	235	135	318	1451	4817	5831	4113	4436
6	662	661	215	243	256	211	438	2088	5118	5793	3576	4431
7	669	515	225	225	240	216	505	2308	5115	5767	3532	4421
8	658	376	230	232	251	141	606	2405	5141	5733	3507	4409
9	643	356	225	236	230	213	591	2289	5157	5744	3492	4419
10	729	338	250	267	287	248	609	2038	5109	5725	3495	4490
11	578	253	205	236	281	246	596	2004	5501	5735	3546	3830
12	593	326	210	262	347	257	553	1964	5532	5855	3370	4031
13	652	345	255	268	327	322	485	1993	5957	5776	3462	3961
14	558	347	210	244	362	226	483	2063	5848	5740	3791	3964
15	595	303	202	209	287	301	498	2070	5816	5688	4435	3929
16	700	297	189	217	228	368	541	2027	5830	5678	4462	3800
17	773	326	175	196	399	433	664	2168	5810	5754	4729	3572
18	734	293	149	186	307	465	822	1961	5683	5819	5007	3539
19	744	287	190	222	272	594	1009	1605	5824	5956	5002	3497
20	683	285	205	183	433	715	1012	1533	5679	5925	4997	3455
21	775	99	180	207	146	477	1027	1282	5803	5906	5017	3461
22	763	82	205	232	290	458	927	1556	5741	5886	4986	3447
23	747	109	260	223	302	425	995	1304	5541	5867	4987	3479
24	656	110	200	253	326	464	1518	1316	5154	5877	4964	3522
25	945	175	265	227	361	434	1692	1596	5251	5925	4929	3561
26	785	125	260	251	412	358	1547	1786	5376	5993	4962	3546
27	825	134	316	225	675	371	1343	2645	5400	5968	5388	3593
28	738	205	185	234	610	271	1413	3747	5532	5866	5244	3360
29	888	230	315	247	664	360	1277	4512	5784	5908	5146	3216
30	787	236	346	236	.....	257	1222	4498	5511	5976	5036	2684
31	787	.....	326	216	.....	271	.....	4463	.....	5997	5004	.....
Mean	755	341	232	834	322	385	796	2098	5374	5809	4612	3875
Max.	945	796	346	291	675	853	1692	4512	5957	5997	5999	4724
Min.	558	82	149	183	165	135	270	1026	4387	5431	3370	2684
A. F.	44920	20310	14244	14400	18500	23690	47350	129030	319780	357230	283590	230610

Total Acre-Feet 1,503,654

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, OUTFLOW OF GUERNSEY RESERVOIR

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	323	604	220	296	195	258	226	1011	4488	6050	5334	4774
2	301	736	235	180	226	253	222	1147	4422	6076	4731	4620
3	285	852	225	226	242	237	285	1273	4466	6102	3240	4554
4	275	905	220	200	185	206	170	1282	4466	6622	3510	4532
5	270	852	265	170	200	226	232	1138	4358	6622	3402	4532
6	334	913	260	258	200	211	302	1019	4488	6232	3420	4532
7	265	913	235	200	195	206	258	947	4863	6206	3456	4532
8	240	905	270	242	170	242	264	1003	5262	6076	3492	4510
9	250	905	260	206	190	258	369	1069	5454	6102	3492	4510
10	285	454	275	232	211	258	513	1035	5825	6128	3510	4510
11	235	394	235	206	185	216	551	1061	5950	6128	3733	4510
12	195	406	301	237	206	232	669	1077	5950	6102	3970	4444
13	496	406	235	258	211	232	772	1156	5650	6310	4274	4253
14	754	418	250	335	226	160	786	1282	5550	6336	4532	4090
15	610	394	323	264	206	211	891	1909	5700	5975	4909	4030
16	574	367	285	242	253	216	939	1992	5502	5900	5001	3830
17	622	412	240	226	253	226	931	1980	5024	5850	5047	3638
18	684	318	255	211	216	258	923	2092	4932	5875	4886	3600
19	724	312	240	242	232	226	923	2170	4886	5900	4932	3582
20	809	250	230	264	216	307	987	2380	4620	5925	5047	3546
21	845	235	230	242	195	190	987	2030	4598	5775	5047	3638
22	788	334	240	242	160	226	1003	2942	4576	5700	5047	3714
23	823	301	240	253	216	264	995	3104	4664	5650	5047	3600
24	827	312	210	269	195	247	1019	3348	4796	5625	5035	3492
25	845	200	210	242	180	247	1011	3870	5024	5502	5070	3384
26	845	180	180	291	190	242	1003	4090	5310	5600	5023	3223
27	502	240	190	296	206	296	995	4379	5526	5550	4955	2958
28	436	220	185	274	222	175	995	4488	5875	5478	4886	2675
29	384	220	240	302	170	264	995	4532	5925	2454	4818	2394
30	520	175	230	291	.....	302	995	4554	6050	5406	4955	1832
31	580	.....	210	302	.....	155	.....	4554	.....	5382	4818	.....
Mean	514	471	239	248	205	234	707	2281	5140	5924	4472	3867
Max.	845	913	323	335	232	307	1019	4554	6050	6622	5334	4774
Min.	195	175	180	170	160	155	170	947	4358	5382	3240	1832
A. F.	31610	28030	14722	15270	11810	14370	42070	140260	305850	364250	274950	230160

Total Acre-Feet 1,473,352

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, PASSING WHALEN, WYOMING

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	30	35	137	30	95	94	44	1881	2573	1751	1430
2	30	30	78	20	60	94	52	44	1828	2587	2244	1356
3	30	30	58	75	72	76	97	44	1819	2597	1826	1312
4	30	30	65	42	24	58	40	44	1808	3117	1744	1278
5	30	30	61	20	58	70	90	44	1642	3112	1506	1281
6	30	30	81	115	71	50	150	44	1741	2659	1543	1273
7	30	30	73	46	54	69	39	44	1909	2637	1466	1273
8	30	30	85	95	59	96	45	52	2122	2490	1423	1266
9	30	30	72	49	69	111	59	52	2175	2513	1434	1252
10	30	30	84	120	120	72	64	51	2545	2519	1437	1243
11	30	30	63	70	84	50	64	51	2688	2517	1566	1254
12	30	30	98	75	105	72	64	64	2672	2480	1559	1229
13	30	30	74	139	77	75	64	88	2399	2671	1606	1067
14	168	30	67	194	99	36	64	187	2219	2714	1579	940
15	30	30	105	92	82	51	64	759	2353	2343	1663	865
16	30	30	102	75	88	95	63	854	2234	2311	1628	686
17	30	30	70	68	114	182	45	642	1917	2266	1627	525
18	30	30	76	59	53	180	36	705	2016	2305	1408	459
19	30	30	75	86	82	146	35	595	2080	2329	1421	451
20	30	75	62	120	63	225	81	725	1915	2313	1536	475
21	30	65	57	80	54	63	37	975	1974	2158	1524	584
22	30	99	70	88	45	142	41	1007	1939	2068	1510	685
23	35	178	60	105	62	185	31	1074	2010	2033	1510	701
24	30	101	48	108	42	187	40	1191	2002	1993	1519	667
25	30	153	57	92	42	165	41	1574	2081	1880	1529	662
26	30	48	49	129	43	173	40	1590	2118	2002	1505	634
27	199	58	46	131	72	214	40	1823	2185	1939	1478	583
28	71	49	51	110	77	71	40	1905	2551	1878	1443	460
29	30	60	70	141	34	177	40	1948	2511	1832	1330	415
30	30	49	65	107	....	120	40	1937	2626	1808	1482	428
31	30	....	37	137	....	14	....	1930	.....	1801	1399	.....
Mean	41	50	68	94	67	110	57	712	2127	2337	1555	891
Max.	199	178	105	194	114	225	150	1948	2688	3117	2244	1430
Min.	30	30	35	20	24	14	31	44	1642	1801	1330	415
A. F.	2560	2980	4152	5800	3840	6770	3370	43810	126590	143690	95600	53030

Total Acre-Feet 492,192.

Record furnished by the United States Bureau of Reclamation

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT TORRINGTON, WYOMING

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	556	330	410	400	300	410	480	323	2020	2590	1740	1540
2	556	330	410	400	300	410	480	323	2000	2670	2470	1470
3	658	330	410	400	300	410	480	269	1920	2770	2180	1470
4	658	330	410	400	300	410	480	287	1860	3070	1870	1420
5	532	350	410	400	300	410	480	383	1740	2970	1800	1410
6	508	300	400	380	450	250	630	438	1780	2610	1760	1380
7	556	300	400	380	450	250	520	460	1800	2490	1740	1360
8	556	300	400	380	450	250	520	460	1940	2370	1730	1330
9	556	300	400	380	450	230	520	449	1980	2340	1710	1330
10	532	300	400	380	490	250	520	449	2120	2280	1640	1330
11	556	280	330	310	410	320	330	416	2370	2300	1730	1340
12	532	280	330	310	410	320	330	416	2480	2320	1670	1360
13	416	280	330	310	410	320	330	405	2350	2470	1660	1310
14	416	280	330	310	410	320	330	405	2250	2510	1620	1230
15	460	280	330	310	410	320	330	556	2260	2320	1590	1120
16	496	300	360	390	420	330	310	794	2220	2280	1590	1100
17	405	300	360	390	420	500	310	822	1960	2200	1600	1060
18	405	300	360	390	420	330	310	794	1940	2140	1540	945
19	383	300	360	390	420	330	310	752	2030	2110	1550	872
20	361	300	360	390	420	330	305	780	1940	2140	1590	816
21	383	310	380	400	420	400	323	766	1920	2110	1600	816
22	383	310	380	400	420	400	296	970	1960	2010	1600	872
23	341	310	380	400	440	400	296	1020	2010	2030	1550	945
24	323	310	380	400	420	400	372	1190	2090	1980	1590	945
25	323	310	380	400	420	400	383	1420	2130	1910	1570	990
26	372	310	360	420	430	470	383	1570	2160	1920	1520	975
27	394	310	360	420	430	470	323	1680	2200	1890	1540	975
28	580	310	360	420	430	470	350	1700	2410	1850	1500	886
29	372	310	360	420	430	470	383	1700	2490	1800	1490	858
30	350	310	360	420	430	470	361	1920	2610	1780	1520	900
31	350	.....	360	420	.....	470	.....	1960	.....	1760	1540	.....
Mean	460	310	370	390	410	370	390	835	2100	2260	1670	1150
Max.	658	330	410	420	490	470	383	1960	2610	3070	2470	1540
Min.	323	280	330	310	300	230	296	269	1740	1760	1490	816
A. F.	28300	18190	22930	23700	23370	22850	23360	51300	125000	139000	103000	68400

Total Acre-Feet, 649,400

Highest gage height 1.80, July 4, 1932

Lowest gage height 0.21, May 3, 1932

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT WYOMING-NEBRASKA LINE

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	544	440	445	450	260	469	413	350	1840	2210	1670	1500
2	519	429	461	460	350	461	429	344	1770	2260	2080	1450
3	510	427	461	465	350	469	445	318	1740	2320	2160	1400
4	510	424	477	470	300	445	589	284	1670	2600	1720	1360
5	502	421	475	494	370	400	627	454	1550	2680	1670	1310
6	519	415	470	461	400	380	562	614	1500	2550	1600	1290
7	570	410	470	445	450	340	536	518	1520	2430	1500	1310
8	589	405	475	437	500	280	536	496	1650	2300	1460	1280
9	553	398	480	453	536	250	580	474	1720	2250	1500	1280
10	519	361	470	485	536	250	477	468	1910	2160	1500	1290
11	528	383	460	400	519	280	421	427	2100	2140	1620	1310
12	528	383	390	350	502	320	429	427	2190	2120	1580	1340
13	502	319	360	238	519	360	368	420	2100	2250	1570	1290
14	469	332	340	400	267	410	300	427	1960	2380	1520	1210
15	485	376	350	410	376	461	286	474	2010	2160	1530	1060
16	485	361	380	420	437	477	318	731	2080	2170	1520	1000
17	453	354	410	430	453	485	329	790	1840	2170	1480	974
18	421	347	420	450	469	485	344	750	1790	2230	1410	820
19	413	405	430	450	437	461	350	722	1980	2230	1330	740
20	413	405	435	440	445	461	339	988	1890	2210	1360	722
21	390	405	435	435	437	469	318	1040	1870	2120	1400	640
22	398	405	430	435	461	437	324	1030	1820	2030	1410	740
23	413	350	440	437	461	437	329	1060	1750	2010	1400	852
24	383	320	440	470	461	413	384	1090	1680	1960	1410	876
25	383	300	410	502	469	413	408	1210	1670	1890	1520	988
26	469	320	360	469	502	398	408	1430	1750	1840	1530	912
27	445	340	370	461	485	398	372	1550	1870	1820	1550	900
28	477	360	400	470	461	429	355	1650	2100	1770	1570	852
29	485	380	420	462	461	445	408	1680	2120	1750	1480	810
30	502	390	440	492	.....	445	396	1800	2210	1750	1480	830
31	461	.....	445	405	.....	445	.....	1860	.....	1740	1550	.....
Mean	479	379	427	440	437	409	413	835	1860	2150	1550	1080
Max.	589	440	480	502	536	485	627	1860	2210	2680	2160	1800
Min.	383	300	340	238	260	250	286	284	1500	1740	1330	640
A. F.	29500	22600	26300	27100	25100	25100	24600	51300	111000	132000	95300	64300

Total Acre-Feet, 634,000

Highest gage height 2.69, July 5, 1932

Lowest gage height 0.92, April 16, 1932

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT MITCHELL, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	201	760	800	630	550	760	741	518	1070	1030	936	635
2	181	648	800	648	550	686	550	458	952	1030	1480	620
3	185	667	800	667	550	667	582	408	796	1030	1940	522
4	185	722	800	686	550	778	630	358	686	1130	1060	444
5	197	741	800	667	550	686	874	420	614	1390	815	384
6	358	741	850	630	1000	648	1090	1030	470	1410	680	352
7	566	722	900	614	1000	600	990	932	458	1210	578	336
8	741	704	932	614	1000	600	971	778	518	1080	494	328
9	778	648	912	534	1000	600	1050	796	680	1030	444	320
10	741	614	854	630	908	600	912	722	725	984	444	328
11	667	598	834	598	815	650	760	704	1030	1020	456	344
12	778	598	815	630	778	650	686	534	1270	984	536	384
13	874	598	815	650	778	650	667	432	1270	920	480	396
14	834	598	741	650	778	650	598	328	1080	1140	456	396
15	815	630	722	650	778	650	566	302	952	1180	456	384
16	722	648	686	700	778	700	534	311	1320	1080	456	352
17	741	648	741	700	778	815	534	320	1110	984	468	352
18	815	648	741	700	778	760	518	311	1030	968	468	360
19	796	704	741	700	796	778	518	311	1100	1000	444	352
20	796	778	541	700	815	834	502	345	1270	968	384	352
21	834	650	704	700	796	874	486	1110	1240	936	352	344
22	760	650	704	700	815	874	486	502	1160	815	352	328
23	778	650	741	700	815	834	550	470	1030	740	352	320
24	741	650	741	700	778	815	704	311	830	830	384	336
25	704	650	741	700	796	815	667	302	695	815	578	420
26	722	800	704	715	815	815	598	382	564	770	522	494
27	614	800	704	715	815	796	534	470	508	740	550	468
28	704	800	686	715	778	796	550	741	665	695	620	420
29	874	800	667	715	722	834	530	874	830	785	665	480
30	874	800	722	600	.....	760	598	952	905	785	635	890
31	796	.....	686	500	.....	778	.....	1110	.....	890	680	.....
Mean	657	689	769	660	781	734	669	566	894	980	618	415
Max.	874	800	932	715	1000	874	1090	1110	1320	1410	1940	890
Min.	181	598	667	500	550	600	486	302	458	695	352	320
A. F.	40400	41000	47300	40600	44900	45100	39800	34800	53200	60300	3800	24700

Total Acre-Feet, 510,000

Highest gage height 1.92, Jan. 18, 1932

Lowest gage height 0.59, Oct. 3 to 4, 1931

DISCHARGE IN SECOND FEET, NORTH PLATTE RIVER, AT MINATARE, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	538	1030	1000	860	660	1150	940	895	1150	850	836	890
2	538	1030	1000	860	660	1150	910	914	1130	980	1130	766
3	819	1030	1000	860	660	1150	750	914	1060	1040	1890	647
4	599	1030	1000	860	660	1150	820	857	800	1250	1500	664
5	599	1030	1000	860	660	1150	979	857	698	1490	944	664
6	615	1060	1120	960	1150	710	1040	1210	664	1390	818	647
7	1030	1060	1120	990	1150	710	1260	1170	555	1450	715	600
8	1320	1060	1120	1010	1150	710	1160	876	495	1240	664	555
9	1280	1060	1300	990	1150	710	1140	876	480	1090	630	555
10	1340	1060	1120	960	1150	710	1220	962	480	1110	615	615
11	1230	1040	1020	690	1200	780	1080	890	647	940	570	698
12	1280	1040	1020	690	1000	780	933	854	1020	990	600	732
13	1230	1040	1020	690	850	780	857	715	1130	944	664	715
14	1230	1040	1020	690	850	780	647	698	1150	1110	615	681
15	1150	1040	1020	690	850	780	599	647	944	1310	570	664
16	1230	1020	940	780	820	1010	630	570	1250	1250	525	630
17	1230	1020	940	780	820	1010	615	570	1410	1350	540	615
18	1230	1020	940	780	820	1010	681	540	1270	1250	540	600
19	1150	1020	940	780	820	957	664	454	1230	1210	570	630
20	1070	1020	940	780	820	1010	698	376	1370	1150	540	585
21	1070	780	940	790	900	1000	732	698	1370	1060	495	555
22	1130	780	940	790	900	1000	732	600	1290	980	480	540
23	1190	780	940	790	900	1000	1050	570	1210	908	480	600
24	1130	780	940	790	900	1000	1280	540	1020	999	467	630
25	1110	780	940	790	1010	1000	1110	495	1818	1020	732	783
26	1090	900	930	760	1080	980	990	415	908	962	783	854
27	1130	900	930	840	1080	980	971	402	732	836	854	836
28	1010	900	930	929	1080	980	1030	540	766	681	890	890
29	1050	900	930	840	1080	980	990	749	818	818	999	962
30	1090	900	930	760	.....	980	971	800	840	872	926	1090
31	1130	.....	930	760	.....	980	.....	1130	.....	926	944	.....
Mean	1060	970	995	820	925	940	916	735	957	1080	759	696
Max.	1340	1060	1300	1010	1200	1150	1280	1210	1410	1490	1890	1090
Min.	538	780	930	690	660	710	599	376	480	681	467	540
A. F.	65200	57820	61200	50320	53220	57670	54500	45200	56900	66400	46700	41400

Total Acre-Feet, 656,480

Highest gage height 1.53, Aug. 3, 1932
Lowest gage height 0.76, May 20, 1932

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT BRIDGEPORT, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	923	1500	1300	1200	670	1500	1160	1060	1400	1230	1270	1180
2	980	1500	1300	1200	750	1500	1160	1060	1200	1230	1270	1160
3	980	1470	1300	1200	900	1610	1080	1020	1040	1270	1500	1080
4	980	1450	1300	1200	950	1730	1060	960	960	1400	1980	1080
5	980	1430	1300	1200	1050	1610	1060	960	849	1360	1610	1140
6	960	1430	1450	1200	1200	900	1080	1020	812	1430	1060	1040
7	1100	1430	1450	1200	1350	900	1160	1520	722	1270	960	942
8	1730	1430	1450	1200	1490	900	1160	1470	568	1200	812	904
9	1730	1430	1450	1440	1490	900	1160	1250	552	1040	775	849
10	1710	1430	1450	1500	1350	900	1160	1140	520	886	705	758
11	1560	1470	1350	1000	1100	950	1160	1020	520	812	688	830
12	1520	1500	1350	1000	1100	950	1140	960	688	775	722	923
13	1610	1500	1350	1000	1100	950	1120	960	868	812	1120	1020
14	1610	1470	1350	1000	1100	950	1040	960	1000	849	1100	960
15	1610	1450	1350	1000	1100	950	980	886	960	1000	923	960
16	1660	1430	1250	1000	1150	1000	960	740	1000	1380	830	960
17	1660	1430	1250	1000	1150	1500	868	670	1380	1310	830	960
18	1710	1360	1250	1000	1150	1270	1040	688	1610	1380	775	980
19	1590	1310	1250	1000	1150	1160	1060	812	1750	1310	794	1000
20	1470	1310	1250	1000	1150	1160	1060	923	1800	1230	794	980
21	1520	950	1250	1000	1200	1060	1060	1180	1850	1100	794	960
22	1520	950	1250	1000	1200	1270	1060	1060	1900	960	886	980
23	1520	950	1250	1000	1200	1160	1380	868	1900	923	849	1040
24	1520	950	1250	1000	1200	1160	1730	794	1180	1100	794	1060
25	1520	950	1250	1000	1380	1160	1540	812	1060	1060	794	1270
26	1520	1150	1250	1000	1380	1160	1310	635	980	1000	1080	1380
27	1470	1150	1250	1000	1380	1160	1160	618	886	960	1140	1400
28	1360	1150	1250	1000	1380	1160	1230	830	794	960	1430	1450
29	1430	1150	1250	1000	1380	1160	1200	1120	980	1100	1450	1450
30	1540	1150	1250	1000	.....	1160	1060	1250	1160	1180	1380	1450
31	1540	.....	1250	1000	.....	1160	.....	1360	.....	1230	1250	.....
Mean	1440	1310	1310	1080	1180	1160	1150	987	1100	1120	1040	1070
Max.	1730	1500	1450	1500	1490	1730	1730	1520	1900	1430	1980	1450
Min.	923	950	1250	1000	670	900	868	618	520	775	688	758
A. F.	88500	78000	80600	66400	67900	71300	68400	60700	65500	68900	64000	63700

Total Acre-Feet, 843,900

Highest gage height 6.14, Aug. 5, 1932
Lowest gage height 5.41, June 8, 1932

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT LISCO, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	822	1660	1600	1100	800	1800	1160	1270	1230	871	1400	1180
2	904	1590	1600	1100	800	1800	1120	1180	1340	970	1320	1160
3	1020	1590	1600	1100	800	1800	970	1140	1180	1110	1300	1120
4	1070	1450	1600	1100	800	1800	1110	1070	987	1110	1380	1110
5	1140	1470	1600	1100	800	1800	1070	1110	805	1060	1780	1090
6	1060	1550	1700	1500	1500	750	1180	1090	725	1040	1360	1090
7	1060	1550	1700	1500	1500	750	1250	1160	741	1340	871	1020
8	1140	1550	1700	1500	1500	750	1360	1780	552	1190	725	937
9	1700	1600	1700	1500	1500	750	1450	1620	403	1060	645	888
10	1820	1510	1700	1500	1500	750	1340	1270	461	904	552	805
11	1800	1590	1500	1840	1170	900	1360	1250	490	757	563	789
12	1800	1620	1500	1100	1170	900	1230	1000	677	805	645	904
13	1900	1590	1500	1100	1170	900	1140	970	725	904	1000	954
14	1900	1590	1500	1100	1170	900	1040	888	1000	937	1090	970
15	1820	1470	1500	1100	1170	900	1060	888	1060	954	954	987
16	1740	1510	1350	1100	1300	1300	1090	822	1140	1380	789	1000
17	1590	1530	1350	1100	1300	1850	937	709	1230	1420	709	987
18	1640	1470	1350	1100	1300	1800	1020	661	1600	1340	661	970
19	1780	1500	1350	1100	1300	1760	987	838	1920	1320	970	1060
20	1820	1550	1350	1100	1300	1640	970	838	1740	1270	854	1060
21	1700	950	1350	1050	1300	1640	970	789	1700	1120	773	1020
22	1640	950	1350	1050	1300	1700	757	920	1700	1140	773	937
23	1780	950	1350	1050	1300	1360	1470	1060	1620	1160	805	954
24	1600	950	1350	1050	1300	1420	1820	838	1450	1530	677	1000
25	1600	950	1350	1050	1300	1380	2000	805	1190	1270	693	1140
26	1510	1400	1350	1030	1700	1320	1740	630	1020	1180	789	1360
27	1470	1400	1350	1030	1700	1280	1250	536	937	1140	1120	1400
28	1530	1400	1350	1030	1700	1320	1280	614	970	1090	1270	1380
29	1430	1400	1350	1030	1700	1210	1470	773	822	1090	1430	1300
30	1430	1400	1350	1030	.....	1160	1320	987	838	1270	1360	1340
31	1590	.....	1350	1030	.....	1160	.....	1040	.....	1380	1230	.....
Mean	1510	1420	1470	1170	1280	1310	1230	989	1080	1130	984	1060
Max.	1900	1660	1700	1840	1700	1850	2000	1780	1920	1530	1780	1400
Min.	822	950	1350	1030	800	750	757	536	403	757	552	789
A. F.	92800	84500	90400	71900	73600	80600	73200	60800	64300	69500	60500	63100

Total Acre-Feet, 885,000

Highest gage height 3.77, Feb. 18, 1932
Lowest gage height 1.16, June 9, 1932

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT OSHKOSH, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	820	1690	1610	1100	815	1830	1610	1220	1130	944	1240	1150
2	820	1610	1610	1100	815	1830	1570	1180	1360	960	1260	1180
3	928	1700	1610	1100	815	1830	1570	1110	1260	1080	1150	1150
4	1040	1460	1610	1100	815	1830	1570	1040	1110	1130	1130	1060
5	1040	1490	1610	1100	815	1830	1570	1040	976	1340	1480	1080
6	944	1580	1700	1510	1530	770	1550	1060	835	1220	1740	1060
7	1020	1580	1700	1510	1530	770	1590	1110	760	1260	1180	1010
8	1110	1570	1700	1510	1530	770	1810	1680	639	1340	912	912
9	1550	1610	1700	1510	1530	770	1740	1590	578	1200	820	835
10	1810	1510	1700	1510	1530	770	1740	1340	805	1110	691	865
11	1810	1400	1500	1800	1180	1050	1810	1200	626	896	600	896
12	1810	1630	1500	2000	1180	1050	1790	1170	691	790	613	865
13	1810	1600	1500	1110	1180	1050	1590	1060	600	820	944	912
14	1810	1610	1500	1110	1180	1050	1480	1080	835	960	1010	928
15	1700	1500	1500	1110	1180	1050	1300	928	960	850	976	912
16	1740	1520	1370	1120	1320	1350	1220	992	992	1180	912	928
17	1630	1540	1370	1120	1320	1870	1150	912	1240	1460	790	976
18	1630	1480	1370	1120	1320	1900	1090	820	1220	1380	745	912
19	1680	1500	1370	1120	1320	2060	1150	912	1980	1380	992	865
20	1630	1550	1370	1120	1320	1690	1060	976	1840	1300	912	928
21	1630	1000	1360	1060	1400	1680	1060	850	1720	1170	928	820
22	1630	1000	1360	1060	1600	1740	1080	1300	1640	1130	912	835
23	1630	1000	1360	1060	2000	1860	2220	976	1790	1170	960	928
24	1680	1000	1360	1060	1900	1460	2200	775	1630	1680	835	992
25	1570	1000	1360	1200	1880	1420	2120	1220	1320	1320	760	1060
26	1550	1420	1360	1500	1760	1360	1790	775	1040	1180	850	1170
27	1550	1420	1360	1200	1760	1630	1420	691	992	1130	976	1240
28	1550	1420	1360	1040	1760	1630	1570	760	1170	1020	1240	1240
29	1440	1420	1360	1040	1760	1630	1460	820	976	1090	1360	1180
30	1440	1420	1360	1040	.....	1630	1260	960	835	1130	1380	1220
31	1700	.....	1360	1040	.....	1630	.....	992	.....	1260	1320	.....
Mean	1470	1440	1480	1230	1380	1440	1540	1050	1120	1160	1020	1000
Max.	1810	1700	1700	2000	2000	2060	2220	1680	1980	1680	1740	1240
Min.	820	1000	1360	1040	815	770	1060	691	578	790	600	820
A. F.	90400	85700	91000	75600	79400	88500	91600	64600	66600	71300	62700	59500

Total Acre-Feet, 927,000

Highest gage height 2.15, Apr. 23, 1932
Lowest gage height 1.28, June 9, 1932

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT SUTHERLAND, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	——	——	——	——	——	——	——	——	810	715	840	890
2	——	——	——	——	——	——	——	——	810	510	880	920
3	——	——	——	——	——	——	——	——	810	440	920	740
4	——	——	——	——	——	——	——	——	810	570	745	555
5	——	——	——	——	——	——	——	——	920	555	570	560
6	——	——	——	——	——	——	——	——	690	555	635	640
7	——	——	——	——	——	——	——	——	455	585	700	670
8	——	——	——	——	——	——	——	——	305	470	1040	700
9	——	——	——	——	——	——	——	——	455	685	740	700
10	——	——	——	——	——	——	——	——	220	655	510	590
11	——	——	——	——	——	——	——	——	260	525	275	615
12	——	——	——	——	——	——	——	——	920	320	530	640
13	——	——	——	——	——	——	——	——	980	210	780	590
14	——	——	——	——	——	——	——	——	340	235	810	540
15	——	——	——	——	——	——	——	——	525	285	840	555
16	——	——	——	——	——	——	——	——	940	455	900	570
17	——	——	——	——	——	——	——	——	1040	415	960	640
18	——	——	——	——	——	——	——	——	1400	540	850	710
19	——	——	——	——	——	——	——	——	2520	770	740	720
20	——	——	——	——	——	——	——	——	2160	1000	670	725
21	——	——	——	——	——	——	——	——	2415	980	605	760
22	——	——	——	——	——	——	——	——	2070	960	600	800
23	——	——	——	——	——	——	——	——	1825	790	590	780
24	——	——	——	——	——	——	——	——	1650	625	565	760
25	——	——	——	——	——	——	——	——	1650	725	540	980
26	——	——	——	——	——	——	——	——	1625	1000	680	1200
27	——	——	——	——	——	——	——	——	1275	770	820	1290
28	——	——	——	——	——	——	——	——	1160	540	750	1375
29	——	——	——	——	——	——	——	——	980	620	685	1400
30	——	——	——	——	——	——	——	——	980	700	770	1425
31	——	——	——	——	——	——	——	——	——	770	860	——
Mean	——	——	——	——	——	——	——	——	1115	612	723	801
Max.	——	——	——	——	——	——	——	——	2520	1000	1040	1425
Min.	——	——	——	——	——	——	——	——	220	210	275	540
A. F.	——	——	——	——	——	——	——	——	66447	37637	44430	47683

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER, AT NORTH PLATTE, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1060	1730	1910	2370	1600	3200	1680	2030	1390	868	1200	1200
2	1040	1840	1910	2240	1600	3200	1530	1940	980	855	995	1270
3	1090	1950	1910	1680	1600	3200	1510	1730	1110	816	995	1210
4	1110	2040	1910	1460	1600	3200	1530	1650	1040	732	965	1140
5	1070	2010	1910	1650	1600	3200	1560	1560	1090	767	995	1200
6	1140	2040	2100	1830	2200	1500	1560	1460	1020	767	894	1160
7	1210	2040	2100	1800	2200	1500	1530	1370	829	790	920	1140
8	1230	2010	2100	1800	2200	1500	1510	1340	744	881	1180	1110
9	1230	2010	2100	1700	2200	1500	1600	1290	675	1040	1330	1070
10	1270	1980	2100	1850	2200	1500	1980	1260	602	995	950	1040
11	1360	1920	1800	1800	1750	1680	1900	1740	881	950	686	1020
12	1950	1870	1800	1900	1750	1750	1810	1650	1110	816	542	1060
13	2140	1900	1800	1650	1750	1810	1760	1650	1120	612	744	1010
14	1920	1980	1800	1760	1750	1950	1650	1320	995	522	1140	1010
15	1980	1980	1800	1500	1750	2740	1600	900	881	432	1330	965
16	1980	1980	1870	1900	1900	4490	1580	850	790	560	1060	980
17	1920	1900	1945	1900	1950	4660	1600	850	1200	644	965	1060
18	1700	1870	2020	1900	2050	4770	1880	860	1460	612	995	1090
19	1700	1870	1945	1900	2180	5370	1550	868	2660	675	881	1140
20	1600	1950	1870	1900	2300	3360	1220	767	2700	980	778	1140
21	1630	1480	1810	2100	2700	2200	1110	664	2270	816	698	1210
22	1680	675	1810	2020	2700	1780	1240	602	2270	1090	721	1210
23	1680	504	1810	1950	2700	1510	1320	591	1950	1230	767	1160
24	1730	950	1810	1900	2700	1510	1560	450	1730	1020	698	1110
25	1630	1120	1810	1850	2700	1510	2530	416	1700	935	612	1140
26	1870	1250	1840	1800	3500	1560	3120	705	1780	907	633	1510
27	1840	1440	1840	1800	3500	1510	3090	995	1640	1010	920	1530
28	1730	2010	1840	1800	3500	1460	2880	660	1440	907	1180	1510
29	1730	1950	1840	1800	3500	1510	2400	895	1230	756	1110	1560
30	1780	1800	1840	1800	——	1510	2040	1020	965	829	1070	1580
31	1760	——	1840	1800	——	1560	——	1740	——	1330	1180	——
Mean	1570	1730	1896	1840	2260	2380	1790	1160	1340	843	940	1180
Max.	2140	2040	2020	2370	3500	5370	3120	2030	2700	1330	1330	1580
Min.	1040	504	1810	1460	1600	1460	1110	416	602	432	542	965
A. F.	96500	103000	116610	113000	130000	146000	107000	71300	79700	51800	57800	70200

Total Acre-Feet 1,040,900

Highest gage height 4.78, Febr. 25, 1932
Lowest gage height 2.51, May 25, 1932

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER, AT JULESBURG, COLORADO

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	51	61	308	97	505	344	184	209	40	35	28	25
2	53	57	300	105	500	314	134	208	40	27	28	20
3	55	57	276	117	500	282	94	173	31	27	28	21
4	51	57	257	148	490	250	77	173	29	27	28	20
5	48	57	270	213	490	225	63	176	37	27	23	20
6	48	55	270	316	480	220	59	175	28	27	24	18
7	49	56	269	355	474	218	52	175	28	27	24	18
8	48	51	266	609	475	207	46	174	28	27	22	18
9	46	52	243	661	481	205	57	144	28	27	20	17
10	49	59	275	718	486	200	57	113	28	27	20	17
11	49	63	300	801	497	201	57	98	60	27	18	17
12	55	64	308	903	502	209	56	79	61	20	22	17
13	58	63	234	715	448	218	56	67	60	20	116	17
14	62	69	178	581	416	255	45	76	48	20	92	17
15	61	73	163	469	336	310	44	73	48	20	64	16
16	62	66	153	457	304	370	43	61	36	20	53	16
17	69	69	163	430	315	407	42	61	36	27	48	20
18	66	69	186	400	385	440	41	53	27	27	39	20
19	64	66	248	420	410	431	40	53	47	20	36	19
20	64	68	342	496	480	363	40	52	37	20	32	20
21	64	69	372	564	509	303	41	42	36	20	28	19
22	63	72	396	576	527	290	42	41	35	20	26	26
23	63	74	396	516	527	239	71	31	35	27	24	27
24	63	87	351	455	474	176	352	31	35	45	22	27
25	61	105	345	370	450	154	276	31	27	27	21	29
26	62	174	337	340	438	138	235	50	35	27	26	31
27	90	296	302	455	402	108	211	50	27	20	30	29
28	109	322	291	520	382	91	222	49	35	20	36	29
29	96	335	283	526	357	101	222	49	35	27	33	29
30	68	330	215	520	——	196	221	60	35	27	27	23
31	63	——	107	518	——	216	——	49	——	35	27	——
Mean	62	103	271	464	450	248	106	93	37	26	34	21
Max.	109	335	396	903	527	440	352	209	61	45	116	31
Min.	46	51	153	97	304	91	40	31	27	20	18	16
A. F.	3790	6130	16700	28500	25900	15200	6310	5710	2210	1570	2120	1270

Total Acre-Feet 115,410

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER, AT OGALLALA, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	25	320	130	500	280	100	210	16	28	16	17
2	6	23	320	130	500	280	100	210	50	24	10	17
3	9	25	320	130	500	280	100	210	18	25	5	17
4	8	25	320	130	500	280	106	210	16	22	3	16
5	8	25	320	130	500	280	100	210	14	19	2	15
6	7	24	260	200	480	200	50	180	13	18	2	14
7	8	24	260	300	480	145	50	180	14	15	2	10
8	8	24	260	344	480	150	50	180	13	15	3	5
9	8	24	260	480	480	150	50	183	12	13	2	5
10	8	24	260	480	480	150	50	165	10	5	1	5
11	8	26	240	720	440	240	49	147	22	5	0	3
12	12	26	240	720	440	240	50	130	60	5	18	2
13	11	26	240	720	440	240	50	130	29	5	37	1
14	13	26	240	720	440	240	50	130	25	5	58	0
15	14	26	240	720	440	240	50	130	24	5	80	0
16	14	27	210	450	380	400	40	80	22	5	60	2
17	15	27	210	450	380	400	40	80	48	5	40	3
18	13	27	210	450	380	728	40	80	27	5	32	4
19	14	27	210	450	380	700	38	80	490	4	24	3
20	16	27	210	450	380	700	40	58	101	3	22	2
21	15	33	370	490	500	240	150	40	70	3	20	2
22	15	33	370	490	824	240	150	40	56	3	14	2
23	16	33	270	490	800	240	150	40	49	4	8	2
24	14	33	370	490	800	240	150	40	43	4	7	3
25	16	33	370	469	800	240	150	29	41	7	6	4
26	16	120	260	470	390	150	220	30	39	11	24	5
27	26	120	260	470	390	150	220	30	37	7	24	5
28	18	120	260	470	390	150	220	22	37	3	23	4
29	33	235	260	470	390	150	220	25	37	4	22	4
30	26	352	260	470	——	150	220	25	32	5	20	3
31	26	——	260	470	——	150	——	22	——	40	18	——
Mean	14	54	276	437	493	272	102	107	49	10	19	6
Max.	33	352	370	720	500	728	220	210	490	40	80	17
Min.	5	23	210	130	380	145	38	22	10	3	0	0
A. F.	845	3213	16979	26882	28332	16707	6056	6597	2906	640	1196	347

Total Acre-Feet 110,700

DISCHARGE IN SECOND FEET, SOUTH PLATTE RIVER, AT NORTH PLATTE, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	0	50	240	500	300	300	200	23	0	2	2
2	2	0	150	240	500	300	300	200	7	0	2	2
3	10	0	350	240	500	300	300	200	3	14	2	3
4	5	0	350	240	500	300	300	200	0	12	0	5
5	5	0	350	240	500	300	300	200	0	8	0	7
6	5	0	320	66	450	180	100	150	0	2	0	10
7	5	0	320	80	450	180	100	150	0	2	0	6
8	5	0	320	500	450	180	100	150	0	2	0	10
9	5	0	320	500	450	180	100	150	0	4	0	2
10	4	0	320	500	450	180	100	150	0	2	0	2
11	4	0	250	800	440	250	50	120	15	0	0	2
12	8	0	250	800	440	250	51	120	24	0	0	2
13	5	0	250	800	440	400	40	111	35	0	0	2
14	2	0	250	800	440	500	30	100	35	0	0	2
15	0	0	250	800	440	500	20	80	18	0	0	3
16	0	0	200	600	250	700	5	60	11	0	0	3
17	0	0	100	600	250	851	5	40	21	0	0	3
18	0	5	82	600	250	800	200	22	27	0	0	2
19	0	10	80	600	250	800	200	20	146	0	0	2
20	0	20	80	600	232	500	200	20	80	0	0	2
21	0	25	150	500	250	250	200	20	111	0	0	2
22	0	15	150	500	400	250	400	20	63	0	0	2
23	0	10	150	474	400	250	400	10	39	2	0	3
24	0	5	150	400	400	250	400	10	27	2	0	3
25	0	0	150	400	400	250	400	5	36	2	0	3
26	0	0	250	400	600	180	400	5	26	2	0	3
27	0	0	250	400	600	180	400	0	26	2	0	3
28	0	0	250	400	600	180	400	4	15	0	0	3
29	0	0	250	400	600	180	400	8	5	2	0	3
30	0	0	250	400	——	180	400	23	2	2	2	3
31	0	——	250	400	——	180	——	39	——	8	2	——
Mean	2	3	222	468	429	332	220	83	26	2	0	3
Max.	10	25	350	800	600	851	400	200	146	14	2	10
Min.	0	0	50	80	232	180	5	0	0	0	0	2
A. F.	137	179	13670	28800	24659	20392	13093	5131	1557	139	20	198

Total Acre-Feet 107,975

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT COZAD, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	693	455	122
2	——	——	——	——	——	——	——	——	——	268	581	154
3	——	——	——	——	——	——	——	——	——	928	340	187
4	——	——	——	——	——	——	——	——	——	1103	100	208
5	——	——	——	——	——	——	——	——	——	463	108	230
6	——	——	——	——	——	——	——	——	——	208	116	210
7	——	——	——	——	——	——	——	——	——	96	118	191
8	——	——	——	——	——	——	——	——	——	53	120	173
9	——	——	——	——	——	——	——	——	——	48	217	156
10	——	——	——	——	——	——	——	——	——	8	314	149
11	——	——	——	——	——	——	——	——	——	8	178	143
12	——	——	——	——	——	——	——	——	——	16	42	159
13	——	——	——	——	——	——	——	——	——	9	12	175
14	——	——	——	——	——	——	——	——	——	7	19	177
15	——	——	——	——	——	——	——	——	——	9	88	178
16	——	——	——	——	——	——	——	——	——	7	158	153
17	——	——	——	——	——	——	——	——	——	5	107	129
18	——	——	——	——	——	——	——	——	——	7	56	163
19	——	——	——	——	——	——	——	——	——	7	41	198
20	——	——	——	——	——	——	——	——	——	5	26	198
21	——	——	——	——	——	——	——	——	——	16	18	198
22	——	——	——	——	——	——	——	——	——	5	11	228
23	——	——	——	——	——	——	——	——	——	11	8	258
24	——	——	——	——	——	——	——	——	——	13	6	267
25	——	——	——	——	——	——	——	——	——	14	8	276
26	——	——	——	——	——	——	——	——	——	11	10	351
27	——	——	——	——	——	——	——	——	——	8	9	426
28	——	——	——	——	——	——	——	——	——	9	8	648
29	——	——	——	——	——	——	——	——	——	10	60	870
30	——	——	——	——	——	——	——	——	——	170	112	768
31	——	——	——	——	——	——	——	——	——	329	33	——
Mean	——	——	——	——	——	——	——	——	——	146	112	258
Max.	——	——	——	——	——	——	——	——	——	1103	581	870
Min.	——	——	——	——	——	——	——	——	——	5	6	122
A. F.	——	——	——	——	——	——	——	——	——	9013	6900	15358

*No record

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT OVERTON, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1580	2010	1620	1770	4990	1670	2970	1310	733	500	0
2	0	1680	2460	2010	1770	4050	1760	2600	2640	404	296	0
3	0	1820	2800	1320	1730	3180	1790	2450	1920	285	223	0
4	0	1520	2700	1460	1730	2230	1760	2370	1640	241	195	0
5	0	1680	2500	1450	1700	1730	1730	2160	1230	274	153	0
6	0	1680	2200	910	2000	1640	1700	2050	1010	252	128	0
7	0	1820	2200	910	2000	1600	1700	1920	802	174	114	0
8	0	1650	2200	910	2000	1500	1610	1790	626	167	118	0
9	0	1840	2200	1360	2000	1130	1500	1670	484	136	181	0
10	0	1550	2200	2900	2000	710	1790	1610	388	24	142	2
11	0	1710	2550	3200	2100	500	1790	1500	340	6	125	6
12	0	1820	1810	3200	2410	468	1830	1410	436	0	125	6
13	250	1740	1690	3200	2360	800	1830	1440	468	0	122	5
14	484	1680	2010	3360	2100	1000	1700	1560	420	0	108	8
15	1010	1620	1890	1890	2010	1270	1560	1310	372	0	72	60
16	1190	1650	2010	1460	2020	2500	1470	1010	436	0	84	60
17	1120	2020	2010	1190	2100	4250	1360	871	1310	0	90	72
18	986	1990	2460	2500	2050	5750	1280	710	1160	0	60	48
19	1160	2270	2460	3180	2010	5400	1260	584	1230	0	63	24
20	1210	2830	2460	2850	1930	5500	1210	452	1360	0	26	60
21	1030	1900	2460	2180	1810	5190	1260	356	2190	0	2	84
22	1140	964	2950	1970	2460	5090	1280	285	2160	0	2	101
23	1120	1270	2950	1890	2800	3400	1210	230	1670	5	0	118
24	1160	1520	2700	1810	2830	2680	1310	188	1610	779	0	146
25	986	850	2950	1730	2850	2410	1560	188	1530	223	0	299
26	1100	760	2000	1110	3060	2190	2020	285	1470	146	0	452
27	1140	944	2000	1620	3200	2120	3860	296	1280	94	0	452
28	1600	1890	2000	2010	4800	1990	3960	274	1180	42	0	388
29	2050	1930	2000	1890	4440	1860	3910	274	1060	18	0	802
30	1650	1810	2000	1810	.....	1890	3580	285	917	63	0	848
31	1650	.....	2000	1810	.....	1730	.....	1010	.....	356	0	.....
Mean	711	1570	2280	1960	2350	2600	1880	1160	1150	143	95	135
Max.	2050	2830	2950	3360	4800	5750	3960	2970	2640	779	500	848
Min.	0	760	1690	910	1770	468	1210	188	340	0	0	0
A. F.	43700	99400	140000	121000	135000	160000	112000	71300	68400	8790	5810	8030

Total Acre-Feet 973,400.

Highest gage height 5.30, Feb. 24, 1932
Lowest gage height 0.70, Oct. 5, 1931

DISCHARGE IN SECOND-FEET, PLATTE RIVER, AT DUNCAN, NEBRASKA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	375	570	1500	1300	6250	2200	3630	653	850	620	11
2	23	540	610	1500	1400	7390	2090	3420	814	754	321	10
3	9	631	540	1500	1400	6440	2070	3140	1430	754	184	10
4	8	664	493	1500	1400	5820	1850	2620	5550	754	142	10
5	8	686	600	1500	1400	5500	1940	2120	4930	730	152	9
6	6	664	530	900	2000	4200	1800	2070	5280	1290	478	7
7	5	642	650	900	2000	3450	1640	1750	4030	1190	152	7
8	6	642	1240	900	2000	2100	1600	1600	2780	790	130	7
9	6	620	1390	900	2000	1500	1600	1310	1890	550	87	7
10	5	642	1730	900	2000	750	1410	1240	2940	730	64	14
11	5	631	1710	850	2550	1000	1390	1170	2390	284	42	27
12	6	838	1510	891	2550	1100	1490	1150	1990	136	273	84
13	6	906	1350	890	2550	1200	1750	1070	1990	79	120	52
14	6	906	1370	890	2550	1500	1550	962	1940	32	47	29
15	6	934	1390	890	2550	1800	1410	990	1570	19	38	14
16	6	906	1410	850	2840	2100	1570	1070	1330	21	19	7
17	6	838	1430	850	3000	2530	1470	1020	1330	21	21	8
18	6	826	1390	850	3160	3090	1410	1120	1290	21	21	9
19	6	802	1640	850	3350	5940	1570	920	1680	66	21	8
20	6	934	1750	850	3600	9250	1660	664	2150	27	21	9
21	5	1220	1970	910	5000	7470	1770	460	2310	9	21	49
22	8	1410	2120	910	5000	7390	1510	375	2250	9	21	284
23	8	1200	2070	910	5000	6720	1450	308	2070	21	19	146
24	8	1000	2150	910	5000	6870	1570	302	2070	10	13	61
25	8	720	1940	910	7950	5230	1940	314	2200	9	15	34
26	8	412	2120	1080	12600	3480	1620	620	1850	9	14	29
27	8	570	2170	1080	25800	3240	1750	530	1660	10	89	21
28	8	664	2280	1080	24300	3070	1940	452	1620	9	52	17
29	8	642	2310	1080	15500	2910	2040	321	1330	9	38	16
30	69	600	2310	1080	.....	2750	3750	790	1050	9	20	14
31	328	.....	2100	1080	.....	2500	.....	653	.....	9	14	—
Mean	21	769	1510	1020	5230	4010	1760	1230	2210	297	105	37
Max.	328	1410	2310	1500	25800	9250	3750	3630	5550	1290	620	284
Min.	5	375	530	850	1300	750	1390	302	653	9	13	7
A. F.	1260	45800	92800	62700	301000	247000	105000	75600	132000	18300	6460	2010

Total Acre-Feet 1,090,000

Highest gage height 5.35, Febr. 27, 1932
Lowest gage height 0.40, July 21 to 22, 1932

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ASHLAND, NEBRASKA

Year Ending September 30, 1932

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2460	2480	3750	9370	3500	34400	7270	4740	18600	3420	2050	2510
2	2300	2510	4390	8050	3500	29700	6610	9050	18400	2620	8200	2280
3	2110	2460	4240	5420	3500	28100	5720	7760	26400	2300	8890	2140
4	2090	2590	3920	3970	3500	23400	5540	7550	78100	2240	6350	2070
5	2120	2670	3970	4340	3330	16000	6480	7270	16200	2430	3340	2050
6	2120	2890	3580	4590	4000	10000	6480	6670	13100	2960	3710	1990
7	2160	2960	3160	3380	4000	4000	6030	20100	13000	2890	10800	1900
8	1990	2960	3580	2960	4000	3300	5480	6030	10800	2990	7980	1780
9	2110	3130	4340	2200	4000	2150	4960	9290	13200	3580	6670	1800
10	2430	2920	5720	2600	4000	1000	5420	7550	31100	2510	6800	1920
11	2510	2920	7340	2300	4800	1300	5300	6740	17100	2090	5540	2200
12	2320	3840	8500	2300	4800	1700	5600	6220	8420	2620	15000	2730
13	2670	3710	8120	2300	4800	3300	5420	5540	11400	2240	14800	3200
14	2540	3380	4910	2300	4800	5200	4340	4540	12300	2070	11700	3500
15	2800	3920	3200	2300	4800	8500	4100	4440	12300	1890	14600	5130
16	2990	3420	2730	2100	5000	10000	4200	3920	7000	1890	6940	4060
17	2920	3240	2300	2200	5000	13500	4440	4490	7550	1920	5080	3020
18	2460	3160	2430	2200	5000	16000	4240	4240	17600	1990	3970	2480
19	2560	3310	2990	2200	5000	17800	4690	4440	9960	1900	3160	2410
20	2430	3670	4540	2200	5000	15500	5420	4590	9130	1960	2700	2260
21	2390	4590	6030	2300	6000	16600	5300	3630	8050	1960	2480	2390
22	2390	6030	7070	2300	8000	11200	4740	3020	11600	1960	2350	4100
23	2350	8280	8420	2300	10000	10900	4960	2670	7900	2260	3060	4290
24	2320	9880	9290	2300	12000	11000	4290	2540	6670	1920	2460	4150
25	2300	4540	7980	2300	15000	11500	4440	2280	7830	4690	2160	3920
26	2320	3060	7830	3000	17300	10500	7410	2830	7070	2800	2070	3200
27	2560	2430	7410	3000	24400	9450	7270	4340	8350	1960	2090	3060
28	2320	2430	7690	3000	37100	8970	6220	7550	12000	1730	2460	2920
29	2410	2620	8050	3000	42500	8050	5420	4390	7410	1570	2480	2920
30	2410	3130	8200	3000	.....	8280	4740	2560	6030	1540	3060	3340
31	2560	.....	9540	3000	.....	7410	.....	2830	.....	2010	3200	.....
Mean	2400	3640	5650	3190	8920	11600	5420	5610	12500	2350	5680	2860
Max.	2990	9880	9540	9370	42500	34400	7410	20100	31100	4690	15000	5130
Min.	1990	2430	2300	2100	3330	1000	4100	2280	6030	1540	2050	1780
A. F.	148000	217000	347000	196000	513000	713000	323000	345000	744000	144000	349000	170000

Total Acre Feet 4,210,000.

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929

AKERS DRAW
Sec. 12-23-57 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
7-3	A. W. Hall	46.0	0.23	.....	10.6

ARAPAHOE STAR MILL WASTE
Arapahoe—Sec. 27-4-23 W.

1-20	C. E. Franklin	.....	.....	.....	0.0
2-19	do	.....	.....	.....	.0
3-9	do	.....	.....	.....	.0
3-22	do	.....	.....	.....	.0
5-14	do	125.0	0.85	.....	107.0
5-31	do	122.0	.67	.....	82.0
6-11	do	173.0	.81	.....	140.0
6-29	do	.....	.....	.....	.0
7-13	do	50.5	.67	.....	34.0
8-6	do	51.5	.17	.....	9.0
8-18	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9-26	do	61.0	.60	.....	37.0
11-20	do	124.0	.58	.....	72.0
11-29	do	85.0	.75	.....	64.0
12-19	do	79.0	.63	.....	50.0
12-31	do	77.0	.75	.....	58.0

ARICKAREE RIVER
Haigler—Sec. 28-1-41 W.

1-23	C. E. Franklin	23.5	1.38	.....	32.6
2-20	do	29.0	1.00	.....	29.0
3-10	do	47.0	1.21	.....	57.4
3-23	do	.....	.....	.....	14.0
5-16	do	15.0	1.60	.....	24.4
6-1	do	36.0	1.72	.....	61.7
6-13	do	18.5	1.25	.....	23.0
6-30	do	6.0	.95	.....	6.3
7-14	do	.....	.....	.....	1.0
8-7	do	13.6	1.10	.....	15.0
8-20	do	.....	.....	.....	.3
8-29	do	14.9	1.15	.....	16.1
9-28	do	11.0	.93	.....	10.2
11-21	do	25.0	1.19	.....	21.0
11-30	do	32.0	.97	.....	31.0
12-21	do	18.0	.95	.....	17.0

ARNOLD DRAIN
Sec. 12-24-61 W.

1-10	C. E. Franklin	4.4	2.36	.....	10.4
1-30	do	12.0	.74	.....	8.9
2-15	A. W. Hall	.....	.....	.....	2.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

ARNOLD DRAIN—Continued

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
3-2	C. E. Franklin	20.6	.58	——	12.2
3-19	do	3.0	2.08	——	6.3
5-8	A. W. Hall	5.1	1.08	0.75	5.5
5-20	do	2.2	1.72	.65	3.8
12-6	C. E. Franklin	3.0	3.33	——	10.0
12-19	A. E. Johnston	5.8	.67	——	3.9

ASH CREEK, EAST
Sec. 32-32-50 W.

6-21	A. E. Johnston	3.1	1.00	——	3.1

ASH CREEK
South of Whitney—Sec. 7-32-50 W.

5-29	A. E. Johnston	7.4	1.38	——	10.3
6-21	do	5.0	.60	——	3.0
9-11	do	2.7	.78	——	2.1
10-11	do	7.0	.56	——	4.0

AUSTIN CREEK
Sec. 28-4-6 E.

4-17	A. E. Johnston	2.5	0.84	——	2.1
7-10	do	——	——	——	.8

BALD SEEP
Sec. 32-23-56 W.

10-10	A. W. Hall	7.0	1.05	——	7.0

BATTLE CREEK
Sec. 1-23-3 W.

1-30	A. E. Johnston	21.4	1.71	——	36.7

BAYARD SUGAR FACTORY DRAIN
Sec. 34-21-52 W.

1-19	A. W. Hall	7.8	3.54	0.60	27.6
2-5	C. E. Franklin	8.6	5.40	——	46.8
2-28	do	7.2	4.60	——	32.9
3-15	do	10.7	4.85	——	52.1
5-6	A. W. Hall	16.1	2.49	——	56.2
5-24	do	14.0	3.72	——	51.9
6-11	do	18.0	3.76	1.45	67.0
6-24	do	18.5	3.74	——	69.2
7-16	do	18.5	3.73	——	69.1
8-13	do	15.6	3.49	——	54.5
9-16	do	17.7	3.72	——	65.8
10-10	do	17.0	3.00	——	52.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

BAYARD SUGAR FACTORY DRAIN—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
11-8	A. E. Johnston	13.0	3.16	.....	41.0
12-8	C. E. Franklin	12.0	5.00	.....	60.0
12-19	A. E. Johnston	12.0	3.33	.....	40.0

BEAR CREEK
South of Eli—Sec. 25-34-36 W.

1-25	A. E. Johnston	22.0	0.93	.....	20.5
5-3	do	21.3	2.24	.....	47.8
5-30	do	20.3	1.94	.....	39.4
9-12	do	17.4	1.54	.....	26.9
10-14	do	13.0	1.69	.....	22.0
12-5	do	24.0	1.29	.....	31.0

BEAVER CREEK
Orleans—Sec. 19-12-19 W.

6-29	C. E. Franklin	71.6	1.30	.....	93.3
7-13	do	83.5	1.26	.....	105.0
8-6	do	14.5	.58	.....	84.7
8-18	do	33.2	1.55	.....	51.6
8-25	do	26.0	1.34	.....	35.0
9-26	do	17.0	1.42	.....	24.0
11-20	do	21.0	1.09	.....	23.0
11-29	do	9.0	.96	.....	8.0
12-19	do	18.0	.78	.....	14.0
12-31	do	13.0	1.38	.....	18.0

BEAVER RIVER
North of Albion—Sec. 15-20-6 W.

3-20	A. E. Johnston	53.5	1.93	.....	103.4
5-8	do	52.7	2.01	.....	106.0
6-4	do	120.0	2.64	.....	317.0
9-19	do	41.0	1.39	.....	57.0
10-18	do	36.0	1.97	.....	71.0

BIRDWOOD CREEK
Sec. 2-14-33 W.

1-5	A. E. Johnston	81.4	2.30	1.70	187.3
1-18	do	96.3	2.26	1.90	218.3
2-12	do	89.1	2.22	3.00	198.1
3-6	do	83.9	3.11	1.80	261.0
3-27	do	73.1	2.41	1.80	176.3
4-3	do	85.0	2.16	1.85	183.9
4-25	do	110.0	2.50	1.90	277.0
5-21	do	73.0	2.42	1.70	177.0
6-13	do	75.0	2.18	1.70	163.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

BIRDWOOD CREEK—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-27	A. E. Johnston	71.0	2.03	1.70	144.0
7-18	do	61.1	2.42	1.70	148.0
7-24	do	70.3	1.08	1.70	154.0
7-31	do	77.0	2.20	1.80	170.0
8-13	do	69.3	2.51	1.70	174.3
8-28	do	66.0	2.24	1.80	148.0
9-5	do	85.0	2.50	1.95	210.6
10-2	do	71.0	2.30	1.95	163.0
11-15	do	71.0	2.50	1.90	177.0
11-29	do	72.0	2.47	1.80	178.0
12-14	do	72.0	2.71	1.70	195.0

BLUE CREEK
Below Paisley Headgate

8-8	A. W. Hall	48.6	2.21	——	107.5

BLUE CREEK
Sec. 30-16-42 W.

1-3	A. E. Johnston	44.6	2.86	2.05	127.6
1-18	do	54.7	2.40	2.00	131.0
2-13	do	.....	.....	.....	*
3-7	do	49.6	2.48	2.30	122.9
3-28	do	52.0	2.33	2.10	121.0
4-2	do	48.6	2.60	2.15	126.4
4-26	do	55.7	2.46	——	137.4
5-22	do	51.0	2.30	2.00	117.0
6-14	do	1.6	.75	.60	1.2
6-25	do	1.0	.50	.45	.5
6-29	A. W. Hall	51.9	1.82	——	94.9
7-19	A. E. Johnston	48.0	1.92	1.80	92.2
7-23	do	50.8	2.08	1.95	105.5
8-2	A. W. Hall	9.8	1.26	.80	12.4
8-15	C. E. Franklin	14.8	1.43	——	21.2
9-6	A. E. Johnston	43.0	2.01	——	86.8
10-4	do	45.0	2.26	1.85	102.0
11-14	do	56.0	2.42	2.20	137.0
11-29	do	53.0	2.17	2.15	115.0
12-16	do	50.0	2.32	2.10	116.0

*Ice

BLUE RIVER, BIG
Sec. 28-11-3 E.

5-13	A. E. Johnston	79.0	1.39	——	110.0
9-24	do	59.0	1.26	——	74.0
10-23	do	73.0	.99	——	72.0
11-22	do	60.0	1.32	——	79.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

BLUE RIVER, BIG
Sec. 4-3-6 E.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-17	A. E. Johnston	725.0	3.01	7.25	218.0
7-10	do	816.0	.75	8.10	616.0

BLUE RIVER, LITTLE
Sec. 6-2-2 W.

4-18	A. E. Johnston	85.0	1.85	.....	156.0
7-11	do	177.0	.88	.....	156.9

BLUE RIVER, LITTLE
Sec. 15-2-2 E.

4-17	A. E. Johnston	110.0	1.83	.....	202.0
7-11	do	114.0	1.37	.....	156.5

BLUE RIVER, LITTLE
Endicott—Sec. 3-1-3 E.

4-26	H. P. Eisenhuth	108.0	.....	0.77	169.0
5-29	F. F. LeFever	83.0	.....	.65	123.0
6-14	do	85.0	.....	.68	124.0
7-11	H. P. Eisenhuth	87.0	.....	.69	125.0
7-31	do	85.0	.....	.65	118.0
8-22	do	41.4	.....	.24	59.0
9-13	F. B. Campbell	79.0	.....	.48	94.0
9-28	do	75.0	.....	.49	98.0

BOGGY CREEK
Sec. 31-33-54 W.

6-20	A. E. Johnston	1.1	0.82	.....	0.9

BOGUS CREEK
South of St. Edward—Sec. 12-18-5 W.

3-20	A. E. Johnston	5.7	1.19	.....	6.8

BOONE CREEK
Ainsworth—Sec. 25-30-22 W.

1-28	A. E. Johnston	2.8	1.21	.....	3.4
6-3	do	41.0	1.92	.....	79.5
12-7	do	7.0	.73	.....	5.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

BORDEAUX CREEK, BIG
Sec. 14-33-48 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-24	A. E. Johnston	3.9	1.33	.....	5.2
3-15	do	12.2	1.86	.....	22.7
5-2	do	7.1	.97	.....	6.9
5-29	do	7.9	1.18	.....	9.3
6-21	do	4.4	.93	.....	4.1
9-11	do	5.2	.65	.....	3.4
10-12	do	6.0	.60	.....	4.0
12-5	do	8.0	1.38	.....	11.0

BORDEAUX CREEK, LITTLE
Sec. 13-33-48 W.

1-24	A. E. Johnston	1.5	0.93	.....	1.4
3-15	do	6.7	1.88	.....	12.6
5-2	do	4.6	1.17	.....	5.4
5-29	do	5.2	.92	.....	4.8
6-21	do	3.1	1.16	.....	3.6
9-11	do	5.9	.51	.....	3.0
10-12	do	7.0	.91	.....	6.0
12-5	do	2.0	1.38	.....	3.0

BUFFALO CREEK
South of Elm Creek—Sec. 33-9-18 W.

3-25	A. E. Johnston	9.5	0.60	.....	6.1
4-8	do	7.9	.30	.....	2.4
4-22	do	7.8	.39	.....	3.1
5-17	do	6.8	.47	.....	3.2
6-10	do	72.4	1.22	.....	88.5
6-29	do	24.9	1.19	.....	29.6
7-15	do	45.2	1.45	.....	6.6
7-29	do	16.0	1.01	.....	16.2
8-3	do	11.8	.57	.....	6.75
8-4	do	13.1	.63	.....	8.35
8-5	do	34.0	1.42	.....	48.5
8-6	do	40.2	1.48	.....	59.5
8-21	do	22.6	1.24	.....	28.1
8-22	do	34.6	1.41	.....	49.0
8-26	do	40.3	1.33	.....	54.0
8-31	do	51.4	1.54	.....	79.4
9-2	do	43.0	1.44	.....	62.0
9-30	do	46.0	1.23	.....	57.0
10-28	do	41.0	1.18	.....	48.0
11-18	do	6.0	1.38	.....	8.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

BUFFALO CREEK
Jenkin's Ranch—Sec. 20-1-40 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-23	C. E. Franklin	7.8	1.13	.....	8.8
2-20	do	7.6	1.56	.....	11.9
3-10	do	7.3	1.95	.....	14.2
3-23	do	7.8	1.47	.....	11.5
5-16	do	8.2	1.83	.....	14.6
6-1	do	8.0	1.35	.....	10.9
6-13	do	6.0	1.88	.....	11.3
6-30	do	5.9	1.47	.....	8.7
7-14	do	6.6	.11	.....	7.3
8-7	do	6.4	1.56	.....	10.0
8-20	do	5.4	1.48	.....	8.0
8-29	do	5.3	1.71	.....	9.1
9-28	do	6.0	1.65	.....	10.6
11-21	do	8.0	1.50	.....	12.0
11-30	do	.....	1.73	.....	13.0
12-21	do	9.0	1.55	.....	14.0

BURTON CREEK
Sec. 19-34-19 W.

3-18	A. E. Johnston	4.5	1.68	.....	7.6
5-6	do	10.6	1.30	.....	13.8
9-17	do	1.5	.80	.....	1.2
10-16	do	3.0	1.33	.....	4.0

CACHE CREEK
Sec. 22-26-9 W.

3-19	A.E. Johnston	5.9	1.81	.....	10.7
5-7	do	21.2	1.64	.....	34.7
6-4	do	74.0	3.79	.....	279.8
9-18	do	2.5	.60	.....	1.5
10-17	do	2.9	.83	.....	2.4

CALAMUS RIVER
North of Taylor—Sec. 22-23-18 W.

1-10	A. E. Johnston	104.0	2.68	.....	290.0
3-1	do	103.0	2.36	.....	244.0
4-11	do	95.0	2.93	.....	279.0
5-15	do	109.0	2.94	.....	320.0
7-2	do	93.0	2.56	.....	239.0
9-26	do	88.0	2.42	.....	212.0
10-24	do	90.0	2.38	.....	214.0
11-23	do	82.0	2.74	.....	225.0
12-7	do	93.0	2.58	.....	240.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

CAMP CLARK SEEP
Sec. 9-20-51 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
1-19	A. W. Hall	2.2	1.40	——	3.1
2-4	C. E. Franklin	2.0	1.05	——	2.1
2-26	do	2.1	1.24	——	2.6
3-15	do	1.9	.84	——	1.6
5-4	A. W. Hall	2.7	.89	0.65	2.5
5-24	do	1.5	1.20	.55	1.8
6-12	do	2.7	1.48	.65	4.0
7-17	do	3.9	1.78	.80	6.9
8-13	do	4.4	1.68	.35	7.4
9-16	do	5.9	1.75	——	10.3
10-7	do	6.0	1.85	——	11.0
12-9	C. E. Franklin	2.4	1.48	——	3.5
12-13	A. W. Hall	4.0	1.10	——	4.0
12-19	A. E. Johnston	4.0	1.73	——	7.6

CEDAR CREEK
Sec. 11-18-48 W.

1-3	A. E. Johnston	8.9	1.43	——	12.6
1-19	do	11.5	1.30	——	14.9
2-14	do	11.3	1.32	——	14.9
3-8	do	9.3	1.78	——	16.6
3-29	do	10.9	1.74	——	19.0
4-27	do	8.1	1.63	——	13.2
5-24	do	7.7	1.28	——	9.9
6-17	do	7.9	.49	——	3.9
7-22	do	4.8	1.20	——	5.8
10-7	do	12.0	1.64	——	19.0
11-13	do	4.0	1.14	——	5.0

CEDAR BRANCH CREEK
Sec. 17-14-35 W.

1-5	A. E. Johnston	1.7	1.47	——	2.5
1-18	do	1.7	1.89	——	3.2
2-12	do	2.5	1.52	——	3.8
3-6	do	2.4	1.58	——	3.8
3-27	do	2.8	1.50	——	4.2
4-3	do	1.7	1.53	——	2.6
4-25	do	2.1	1.28	——	2.7
5-21	do	2.5	1.24	——	3.1
6-13	do	2.1	.95	——	2.0
6-27	do	1.8	1.11	——	2.0
7-18	do	1.8	1.27	——	2.3
7-24	do	2.0	1.26	——	2.5
7-31	do	1.0	1.32	——	2.0
8-13	do	1.5	1.30	——	1.9
8-28	do	2.0	1.15	——	2.3
9-5	do	1.9	1.11	——	2.2

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

CEDAR BRANCH CREEK—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-2	A. E. Johnston	2.0	1.17	——	2.0
11-15	do	2.0	1.44	——	2.0
11-29	do	2.0	.81	——	1.0
12-14	do	2.0	1.44	——	2.0

CEDAR RIVER
Cedar Rapids—Sec. 5-18-7 W.

5-8	A. E. Johnston	189.0	1.52	——	287.0
9-19	do	180.0	.94	——	169.0
10-18	do	181.0	1.16	——	210.0

CEDAR RIVER
Fullerton—Sec. 11-16-6 W.

1-12	A. E. Johnston	129.0	1.74	——	225.0
2-1	do	116.0	1.42	——	166.0
2-25	do	83.0	1.92	——	160.0
3-22	do	126.0	2.37	——	299.0
4-12	do	127.0	2.60	——	330.0
5-8	do	118.0	2.40	——	284.0
6-7	do	376.0	7.62	——	2873.0
7-5	do	93.0	2.14	——	198.0
7-27	do	95.0	1.88	——	179.0
9-19	do	86.0	2.30	——	197.0
10-18	do	92.0	2.32	——	212.0

CENTER CREEK
Sec. 1-1-15 W.

4-19	A. E. Johnston	12.5	1.91	——	23.8
7-12	do	3.0	.86	——	2.6

CHADRON CREEK NO. 1
Sec. 19-32-48 W.

1-23	A. E. Johnston	6.4	1.18	——	7.6
3-15	do	6.9	1.95	——	13.5
5-2	do	2.5	1.88	——	4.7
5-29	do	3.4	1.73	——	5.9
6-22	do	3.8	1.18	——	4.5
9-11	do	4.4	.95	——	4.2
10-11	do	2.0	1.47	——	3.0
12-4	do	4.0	1.17	——	5.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

CHADRON CREEK NO. 2
Sec. 18-32-48 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-23	A. E. Johnston	0.7	0.43	——	0.3
3-15	do	2.2	1.09	——	2.4
5-2	do	1.6	.94	——	1.5
5-29	do	1.6	.87	——	1.4
6-22	do	1.2	.58	——	.7
9-11	do	.7	.28	——	.2
10-11	do	1.0	.75	——	.9
12-4	do	2.0	.27	——	.4

CHADRON CREEK NO. 3
Sec. 12-32-49 W.

1-23	A. E. Johnston	0.9	0.56	——	0.5
3-15	do	2.2	1.36	——	3.0
5-2	do	2.6	1.00	——	2.6
5-29	do	2.0	1.00	——	2.0
6-22	do	.8	.63	——	.5
9-11	do	.7	.43	——	.3
10-11	do	1.0	1.00	——	1.0
12-4	do	1.0	.92	——	1.0

CHADRON CREEK NO. 4
Sec. 22-33-49 W.

1-23	A. E. Johnston	1.3	0.54	——	0.7
3-12	do	6.8	1.59	——	10.8
5-1	do	6.1	.98	——	6.0
5-29	do	4.3	1.00	——	4.4
6-21	do	2.1	.67	——	1.4
9-11	do	1.6	.43	——	.7
10-11	do	——	——	——	1.6
12-4	do	4.0	.65	——	2.0

CHERRY CREEK
Sec. 22-24-61 W.

1-10	C. E. Franklin	9.8	0.83	——	8.1
1-30	do	12.0	.82	——	9.9
3-2	do	7.9	.75	——	5.9
3-19	do	11.5	1.36	——	15.7
5-8	A. W. Hall	3.9	1.13	2.10	4.4
5-20	do	4.6	1.45	2.30	6.7
12-6	C. E. Franklin	11.0	1.45	——	16.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

CLEAR CREEK
Sec. 5-15-41 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-4	A. E. Johnston	5.0	1.84	——	9.2
1-18	do	6.6	2.01	——	13.3
2-13	do	5.5	2.16	——	11.9
3-7	do	5.7	1.76	——	10.0
3-28	do	6.4	2.58	——	16.5
4-2	do	5.1	1.80	——	9.2
4-26	do	4.7	2.06	——	9.7
5-22	do	6.2	2.12	——	13.1
6-14	do	.7	.71	——	.5
6-26	do	.9	1.41	——	1.3
7-19	do	4.4	2.54	——	11.2
7-23	do	13.0	1.76	——	22.8
8-2	A. W. Hall	4.8	1.66	——	8.0
9-6	A. E. Johnston	3.5	1.40	——	4.8
10-3	do	5.0	2.19	——	10.0
11-14	do	6.0	1.74	——	10.0
11-29	do	4.0	2.93	——	13.0
12-16	do	3.0	1.87	——	6.0

CLEAR CREEK
East of Litchfield—Sec. 26-14-16 W.

1-9	A. E. Johnston	3.2	0.59	——	1.9
2-4	do	2.6	.50	——	1.3
2-27	do	8.1	.75	——	7.1
4-9	do	4.7	1.40	——	6.6
5-16	do	9.1	.85	——	7.7
7-1	do	5.7	.37	——	2.1
9-28	do	5.0	.38	——	2.0
10-26	do	6.0	.39	——	2.0
11-26	do	7.0	.58	——	4.0
12-9	do	8.0	.41	——	3.0

CLEAR CREEK, UPPER
North of Ashland—Sec. 35-13-9 E.

4-16	A. E. Johnston	42.5	0.38	——	16.5
5-13	do	28.6	.76	——	21.8
7-9	do	46.3	1.07	——	49.6
9-23	do	13.0	.21	——	3.0
10-22	do	14.0	.38	——	5.0
11-21	do	15.0	.33	——	5.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

CLEAR WATER CREEK
Sec. 6-25-7 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-29	A. E. Johnston	30.4	1.90	.....	57.7
3-19	do	30.2	1.97	.....	59.7
5-7	do	33.8	1.87	.....	63.5
6-4	do	44.9	3.54	.....	158.8
9-18	do	26.5	1.12	.....	29.6
10-17	do	26.0	1.61	.....	41.0

COLD WATER CREEK
Sec. 34-18-46 W.

1-3	A. E. Johnston	0.6	0.83	.....	0.5
1-19	do	1.2	1.50	.....	1.8
2-14	do	2.1	1.47	.....	3.1
3-8	do	2.2	1.72	.....	3.8
3-29	do	2.3	1.65	.....	3.8
4-1	do	2.3	1.26	.....	2.9
4-27	do	1.6	.94	.....	1.5
5-24	do	2.4	1.16	.....	2.8
6-15	do	2.6	1.69	.....	4.4
6-24	do	3.8	1.68	.....	6.4
7-20	do	9.1	.81	.....	7.4
8-14	C. E. Franklin	1.4	1.42	.....	2.0
9-20	A. W. Hall	1.5	1.00	.....	1.5
10-5	A. E. Johnston	3.0	1.39	.....	5.0
11-13	do	2.0	.95	.....	2.0
12-16	do	3.0	1.29	.....	4.0

COTTONWOOD CREEK
Sec. 27-29-48 W.

3-11	A. E. Johnston	4.5	1.24	.....	5.6
4-30	do	4.1	1.73	.....	7.1
5-27	do	2.1	1.29	.....	2.7
6-18	do	1.5	.80	.....	1.2
6-22	do	.8	.62	.....	.5
9-10	do	1.8	1.44	.....	2.6
10-9	do	1.0	.92	.....	1.0

COTTONWOOD CREEK, BIG
West of Riverton

4-19	A. E. Johnston	7.4	1.85	.....	13.7
7-12	do	2.1	.86	.....	1.8

COTTONWOOD CREEK, LITTLE
Sec. 8-32-52 W.

5-28	A. E. Johnston	7.6	0.95	.....	7.2
6-20	do	1.9	2.26	.....	4.3

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

COTTONWOOD CREEK, LITTLE
Sec. 8-32-51 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-23	A. E. Johnston	2.6	1.34	——	3.5
3-12	do	16.6	1.20	——	19.9
5-1	do	12.6	1.83	——	23.1
5-29	do	10.9	1.89	——	20.6
6-21	do	5.5	.53	——	2.9
9-11	do	7.4	.47	——	3.5
10-11	do	6.0	.71	——	4.0
12-4	do	7.0	1.35	——	9.0

CROOKED CREEK
South of Burton—Sec. 19-34-19 W.

3-18	A. E. Johnston	0.7	1.40	——	0.9
5-6	do	.8	2.00	——	1.6
9-17	do	1.1	.85	——	.9
10-16	do	1.0	1.66	——	2.0

DANE CREEK
West of Ord—Sec. 21-19-14 W.

7-3	A. E. Johnston	——	——	——	0.0

DAWSON COUNTY DRAIN
Sec. 14-9-21 W.

10-28	A. E. Johnston	10.0	0.55	——	5.0
11-18	do	——	——	——	7.0
11-26	do	——	——	——	6.0
12-12	do	10.0	1.70	——	17.0

DEAD HORSE CREEK
Sec. 32-33-49 W.

6-21	A. E. Johnston	0.6	0.38	——	2.3
9-11	do	1.4	.43	——	.6

DISMAL RIVER
Dunning—Sec. 4-21-24 W.

2-5	A. E. Johnston	87.0	2.81	——	245.0
2-28	do	159.0	2.30	——	366.0
4-10	do	148.0	3.21	——	476.0
9-27	do	117.0	3.42	——	401.0
11-25	do	123.0	2.84	——	350.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

DRY CREEK
Merriman—Sec. 20-34-37 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-16	A. E. Johnston	9.4	1.43	—	13.5
5-3	do	12.7	1.67	—	21.3
5-30	do	6.4	1.92	—	12.3
12-5	do	6.0	1.26	—	8.0

DOUGOUT CREEK, LOWER
Sec. 4-19-48 W.

4-1	A. E. Johnston	1.7	1.35	—	2.3
6-17	do	.3	.65	—	.2
8-9	A. W. Hall	1.6	1.12	—	1.8
10-7	A. E. Johnston	3.0	1.00	—	3.0

DOUGOUT CREEK, UPPER
Sec. 21-20-50 W.

1-18	A. W. Hall	2.6	0.50	—	2.3
2-4	C. E. Franklin	4.3	.77	—	3.3
2-26	do	2.2	.95	—	2.1
3-15	do	11.0	1.04	—	11.4
4-6	A. W. Hall	.6	.76	—	.5
5-4	do	.7	1.28	—	.9
5-24	do	8.1	1.74	—	14.1
6-10	do	16.8	1.98	—	33.2
6-24	do	1.7	.82	—	1.4
7-15	do	7.5	1.22	—	9.1
8-13	do	5.7	1.20	—	6.7
9-12	do	18.3	2.70	—	49.0
10-7	do	5.0	.98	—	4.0
12-9	C. E. Franklin	5.0	1.66	—	8.0
12-13	A. W. Hall	2.0	1.13	—	3.0

ELKHORN RIVER
North of Ewing—Sec. 34-27-9 W.

3-19	A. E. Johnston	112.0	1.37	—	154.0
5-7	do	140.0	2.02	—	282.0
6-4	do	383.0	3.05	—	1168.0
9-18	do	71.3	1.00	—	71.5
10-17	do	79.0	1.07	—	85.0

ELKHORN RIVER, SOUTH FORK
South of Ewing—Sec. 3-26-9 W.

3-19	A. E. Johnston	34.0	2.03	—	69.0
5-7	do	36.0	2.38	—	86.0
6-4	do	91.0	3.78	—	344.0
9-18	do	20.1	1.25	—	25.2
10-17	do	30.0	1.35	—	41.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

ELKHORN RIVER
Neligh—Sec. 20-25-6 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-29	A. E. Johnston	90.5	2.07	.....	188.7
3-19	do	210.0	1.95	.....	410.0
5-8	do	190.0	2.54	.....	484.0
6-4	do	552.0	3.26	.....	1800.0
9-18	do	113.5	1.71	.....	193.9
10-18	do	121.0	1.79	.....	217.0

ELKHORN RIVER
Arlington—Sec. 13-17-9 E.

1-14	A. E. Johnston	369.0	1.88	4.00	694.0
3-21	do	449.0	1.53	3.95	687.0
4-16	do	497.0	2.06	3.85	1026.0
5-11	do	464.0	2.56	4.20	1188.0
6-6	do	684.0	3.10	5.00	2122.0
7-8	do	401.0	2.22	4.25	888.0
9-21	do	262.0	1.93	.....	507.5
10-21	do	288.0	1.98	.....	571.0

ELKHORN RIVER
Waterloo—Sec. 3-15-10 E.

11-20	A. E. Johnston	348.0	1.78	2.30	621.0

ELKHORN RIVER
Waterloo
U. S. G. S. Station

3-11	LeFever and Hodges	964.0	.....	5.14	1680.0
3-15	P. V. Hodges	925.0	.....	3.86	2860.0
3-21	F. F. LeFever	550.0	.....	2.79	1100.0
4-16	Eisenhuth and Follansbee	579.0	.....	2.86	1100.0
4-29	H. P. Eisenhuth	787.0	.....	3.84	2720.0
5-28	F. F. LeFever	354.0	.....	2.32	767.0
6-11	do	765.0	.....	3.78	2030.0
7-18	H. P. Eisenhuth	705.0	.....	3.49	2260.0
8-6	do	390.0	.....	2.20	691.0
8-29	do	282.0	.....	1.74	448.0
9-17	F. B. Campbell	316.0	.....	1.98	520.0

ELM CREEK
South of Elm Creek—Sec. 33-9-18 W.

10-28	A. E. Johnston	5.0	0.63	.....	3.0
11-18	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

ELM CREEK
Lester—Sec. 3-1-10 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-18	A. E. Johnston	18.5	1.33	.....	24.6
7-11	do	30.1	.27	.....	8.2

FAIRFIELD SEEP
Sec. 18-21-53 W.

1-19	A. W. Hall	3.1	0.97	.....	3.0
2-5	do	2.6	.88	.....	2.3
2-28	C. E. Franklin	4.5	.58	.....	2.6
3-16	do	4.4	.84	.....	3.7
5-9	A. W. Hall	5.9	1.17	.....	6.9
6-11	do	4.3	1.72	1.40	7.4
7-5	do	8.6	1.40	.....	12.0
7-16	do	1.9	.48	.....	5.7
8-14	do	4.4	.98	.....	4.3
10-8	do	2.0	1.00	.....	2.0
11-8	A. E. Johnston	5.5	1.14	.....	6.3
12-4	C. E. Franklin	2.0	.60	.....	1.2
12-17	A. E. Johnston	3.5	1.68	.....	5.9

FANNING SEEP
Sec. 28-23-56 W.

1-8	C. E. Franklin	5.0	1.25	.....	6.3
1-29	do	6.0	1.13	.....	6.8
2-15	A. W. Hall	5.8	2.04	.....	11.9
3-2	C. E. Franklin	6.0	.70	.....	4.2
3-19	do	5.6	.75	.....	9.8
5-7	A. W. Hall	6.1	1.52	.....	9.3
5-21	do	7.2	1.40	.....	10.1
7-20	do	4.4	2.71	.....	12.0
10-10	do	7.0	1.07	.....	8.0
11-7	A. E. Johnston	4.0	2.28	.....	8.0
12-5	C. E Franklin	5.0	2.40	.....	12.0

FARMERS CREEK
Sec. 5-1-12 W.

4-18	A. E. Johnston	2.2	1.36	.....	2.9
7-12	do	1.0	.82	.....	.8

FLAG CREEK
Orleans—Sec. 19-2-19 W.

6-29	C. E. Franklin	1.0	0.70	.....	0.7

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

FRENCHMAN RIVER
Sec. 10-6-41 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-18	C. E. Franklin	11.1	0.42	.....	4.7
2-17	do	6.4	.65	.....	4.2
3-7	do	2.6	1.61	.....	4.2
3-21	do	10.4	.39	.....	4.1
5-11	do	9.4	.53	.....	4.9
5-29	do	14.4	.46	.....	6.7
6-7	do	7.8	.50	.....	3.9
6-12	do	8.5	.60	.....	5.1
7-11	do	7.9	.55	.....	4.4
8-2	do	7.0	.45	.....	3.2
8-20	do	7.0	.50	.....	3.5
9-25	do	7.0	.61	.....	4.3
11-16	do	6.0	.72	.....	4.0
11-28	do	3.0	1.00	.....	3.0
12-16	do	8.0	.55	.....	5.0

FRENCHMAN RIVER
Sec. 11-6-41 W.

1-18	C. E. Franklin	6.2	0.97	.....	6.0
2-17	do	5.8	1.38	.....	8.0
3-7	do	2.4	2.20	.....	5.3
3-21	do	2.4	2.08	.....	5.0
5-11	do	3.7	1.54	.....	5.7
5-29	do	.....	.....	.....	0.2
6-12	do	3.9	.90	.....	3.5
6-27	do	.....	.....	.....	.5
7-11	do	.....	.....	.....	.3
8-2	do	2.2	.90	.....	2.0
8-20	do	3.6	.63	.....	2.3
8-26	do	2.4	1.04	.....	2.5
9-25	do	3.0	1.20	.....	3.6
11-16	do	2.0	.91	.....	2.0
11-28	do	6.0	.75	.....	5.0
12-16	do	3.0	1.00	.....	3.0

FRENCHMAN RIVER
Sec. 17-6-40 W.

1-18	C. E. Franklin	8.8	1.56	.....	13.7
2-17	do	13.6	1.65	.....	22.4
3-7	do	15.1	1.29	.....	19.5
3-21	do	17.5	1.64	.....	28.7
5-11	do	10.2	1.83	.....	18.7
5-29	do	2.6	.92	.....	2.4
6-12	do	8.2	1.51	.....	12.4
6-27	do	4.6	1.09	.....	5.0
7-11	do	4.9	1.26	.....	6.2

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

FRENCHMAN RIVER—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
8-2	C. E. Franklin	7.4	1.21	.....	9.0
8-20	do	3.4	1.08	.....	3.7
8-26	do	4.4	.90	.....	4.0
9-25	do	5.0	.75	.....	3.6
11-16	do	5.0	1.31	.....	6.0
11-28	do	10.0	1.03	.....	11.0
12-16	do	8.0	1.09	.....	9.0

FRENCHMAN RIVER
Sec. 22-6-40 W.

1-18	C. E. Franklin	12.2	2.10	.....	25.6
2-17	do	12.6	2.15	.....	27.0
3-7	do	11.5	2.34	.....	26.8
3-21	do	14.3	2.34	.....	33.4
5-11	do	11.6	2.20	.....	25.6
5-29	do	8.4	1.86	.....	15.6
6-12	do	8.8	1.76	.....	15.5
6-27	do	7.4	1.32	.....	9.8
7-11	do	7.4	1.76	.....	13.2
8-2	do	6.4	1.24	.....	15.4
8-20	do	5.6	1.89	.....	10.6
9-25	do	6.8	1.80	.....	12.0
11-16	do	13.0	2.08	.....	26.0
11-28	do	13.0	2.31	.....	30.0
12-16	do	12.0	1.41	.....	17.0

FRENCHMAN RIVER
Sec. 23-6-40 W.

1-18	C. E. Franklin	16.6	1.65	.....	27.6
2-17	do	17.0	1.82	.....	31.0
3-7	do	17.4	1.83	.....	31.9
3-21	do	6.5	1.10	.....	7.2
5-11	do	12.6	1.48	.....	18.7
5-29	do	5.8	1.17	.....	6.8
6-12	do	7.8	1.54	.....	12.0
6-27	do	1.4	.79	.....	1.2
7-11	do	.....	.....	.....	1.0
8-2	do	1.2	1.41	.....	17.0
8-20	do	6.4	.96	.....	6.2
8-26	do	4.8	1.31	.....	6.3
9-25	do	11.7	1.50	.....	17.5
8-30	do	6.0	1.84	.....	11.4
11-16	do	9.0	1.91	.....	17.0
11-28	do	9.0	1.66	.....	15.0
12-16	do	11.0	2.36	.....	26.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

FRENCHMAN RIVER
Champion—Sec. 21-6-39 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-18	C. E. Franklin	36.5	0.91	.....	33.3
2-17	do	43.1	1.25	.....	53.7
3-7	do	52.5	1.00	.....	52.0
3-21	do	40.0	.79	.....	32.0
5-11	do	41.0	.81	.....	33.0
5-29	do	34.0	.63	.....	21.0
6-12	do	39.0	.61	.....	24.0
6-27	do	43.0	.96	.....	41.0
7-11	do	36.0	.50	.....	18.0
8-2	do	43.5	.82	.....	36.0
9-25	do	44.5	.87	.....	38.5
11-16	do	22.0	1.13	.....	25.0
11-28	do	19.0	1.28	.....	24.0
12-16	do	24.0	1.46	.....	35.0

FRENCHMAN RIVER
South of Imperial—Sec. 30-6-38 W.

1-18	C. E. Franklin	32.3	2.08	1.20	67.2
2-17	do	25.5	2.02	1.05	51.8
3-7	do	39.9	1.40	1.30	56.0
3-21	do	30.0	1.80	1.03	54.0
5-11	do	43.0	1.44	.....	63.0
5-29	do	28.0	1.73	.....	49.0
6-12	do	15.0	1.10	.....	16.6
6-27	do	.....	.....	.....	.0
7-11	do	34.0	1.47	.....	50.0
8-2	do	40.0	1.62	.....	65.0
9-25	do	42.5	1.42	.....	60.6
11-28	do	34.0	1.54	.....	51.0
12-16	do	27.0	1.52	.....	41.0

FRENCHMAN RIVER
Sec. 11-5-36 W.

1-18	C. E. Franklin	82.5	1.79	.....	147.7
2-17	do	56.2	1.88	.....	105.8
3-7	do	75.0	1.64	.....	124.0
3-21	do	64.0	1.76	.....	113.0
5-11	do	139.0	.75	.....	105.0
5-29	do	90.0	1.09	.....	98.0
6-12	do	49.3	2.27	.....	112.0
6-28	do	86.0	1.36	.....	117.0
7-12	do	35.2	2.27	.....	80.0
8-3	do	75.0	1.09	.....	82.0
8-19	do	66.0	1.21	.....	81.0
9-25	do	70.0	1.80	.....	125.6
11-16	do	63.0	1.57	.....	100.0
11-28	do	67.0	1.33	.....	90.0
12-16	do	85.0	1.24	.....	105.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

FRENCHMAN RIVER
Hamlet
U. S. G. S. Station

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-12	Eisenhuth and Follansbee	50.0	——	1.50	89.0
4-23	H. P. Eisenhuth	54.0	——	1.66	110.0
6-2	F. F. LeFever	52.0	——	1.40	93.0
6-19	do	54.0	——	1.60	95.0
7-9	H. P. Eisenhuth	44.7	——	1.40	74.0
7-29	do	42.9	——	1.33	70.0
8-20	do	42.4	——	1.34	70.0
9-11	F. B. Campbell	55.0	——	1.66	98.0
9-26	do	51.0	——	1.58	90.0

FRENCHMAN RIVER
North of Palisade

1-19	C. E. Franklin	82.5	1.59	——	131.1
2-18	do	124.0	1.65	——	205.9
3-8	do	104.0	1.28	——	133.0
3-21	do	97.0	2.33	——	226.0
5-12	do	97.0	1.68	——	163.0
5-30	do	58.0	1.65	——	96.0
6-12	do	123.0	2.28	——	280.0
6-28	do	22.0	.89	——	20.0
7-12	do	7.5	.95	——	7.0
8-3	do	3.0	.80	——	2.4
8-19	do	——	——	——	3.0
9-25	do	31.0	1.32	——	41.0
11-17	do	103.0	1.46	——	151.0
11-28	do	97.0	1.51	——	147.0
12-17	do	85.0	2.07	——	176.0
12-30	do	119.0	.94	——	112.0

FRENCHMAN RIVER
Below Culbertson Canal

7-12	C. E. Franklin	——	——	——	3.0

FRENCHMAN RIVER
West of Culbertson—Sec. 16-3-31 W.

1-19	C. E. Franklin	81.0	1.67	——	135.4
2-18	do	135.8	1.49	——	203.0
3-8	do	123.0	1.66	——	204.0
3-22	do	109.0	1.76	——	191.0
5-13	do	125.0	1.48	——	186.0
5-30	do	88.0	1.85	——	165.0
6-10	do	188.0	2.43	——	457.0
6-28	do	30.0	1.56	——	46.0
7-12	do	40.0	1.54	——	61.4
8-3	do	130.0	.99	——	12.9
8-16	do	14.8	1.42	——	21.1

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

FRENCHMAN RIVER—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
8-19	C. E. Franklin	.....	.....	.....	.0
8-28	do	16.8	1.33	.....	22.4
9-27	do	39.0	1.36	.....	53.0
11-18	do	109.0	2.15	.....	234.0
11-28	do	91.0	1.82	.....	166.0
12-17	do	97.0	1.80	.....	175.0
12-30	do	114.0	1.52	.....	174.0

GERING DRAIN
Sec. 6-21-54 W.

1-19	A. W. Hall	14.1	1.79	.....	25.3
2-6	C. E. Franklin	14.5	1.50	.....	21.8
2-28	do	9.4	1.85	.....	17.4
5-7	A. W. Hall	10.0	1.96	.....	19.6
5-23	do	18.0	2.92	0.50	52.7
6-12	do	18.5	2.38	2.30	44.0
7-5	do	14.7	2.20	.....	32.4
7-20	do	15.1	2.36	.....	35.6
8-14	do	15.9	2.00	.....	31.9
10-8	do	19.0	1.94	.....	36.0
11-8	A. E. Johnston	20.0	1.85	.....	37.0
12-4	C. E. Franklin	26.0	1.85	.....	48.0
12-17	A. E. Johnston	18.0	2.10	.....	38.0

GERING WASTE
At Henry Bridge

5-21	A. W. Hall	153.0	3.07	2.10	47.0
6-3	do	246.0	3.30	3.45	80.1

GORDON CREEK
Sec. 30-33-28 W.

1-26	A. E. Johnston	9.4	1.37	.....	12.9
3-17	do	14.8	1.42	.....	21.0
5-4	do	9.9	1.41	.....	13.9
5-31	do	14.1	2.16	.....	30.4
9-13	do	8.3	1.41	.....	11.7
10-15	do	8.0	1.26	.....	10.0
12-6	do	9.0	1.44	.....	13.0

GOTHENBURG POWER WASTE
Gothenburg—West 16th Street

1-7	A. E. Johnston	75.4	2.24	3.70	170.0
1-17	do	96.8	2.61	4.20	252.0
2-8	do	89.4	2.70	3.75	243.0
2-20	do	58.0	2.70	3.00	157.0
3-5	do	66.0	3.18	3.80	209.0
3-26	do	74.0	2.70	3.50	200.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

GOTHENBURG POWER WASTE—Continued

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
4-5	A. E. Johnston	74.0	2.80	3.55	207.0
4-23	do	82.0	2.76	3.70	225.0
5-18	do	63.0	2.48	3.05	156.0
6-11	do	73.0	2.49	3.35	182.0
6-29	do	74.0	2.49	3.60	183.0
7-16	do	100.6	1.69	3.60	171.0
7-25	do	79.6	2.57	3.70	205.2
7-30	do	149.4	1.39	3.60	208.5
8-2	do	79.6	2.49	3.65	198.9
8-5	do	89.2	1.83	3.90	253.2
8-14	do	79.8	2.47	3.60	191.5
8-23	do	70.8	2.71	3.40	192.0
8-27	do	70.4	2.71	3.40	192.0
8-30	do	61.0	2.45	3.05	149.7
9-3	do	72.0	2.65	3.40	190.0
10-1	do	79.0	2.64	3.60	208.0
10-29	do	75.0	2.81	3.45	211.0
11-18	do	61.0	2.31	3.05	141.0
11-27	do	43.0	2.20	3.20	95.0
12-12	do	——	——	——	.0

GOVERNMENT SPRING
Below Ft. Robinson Pumping Plant

1-22	A. E. Johnston	0.6	1.00	——	0.6
3-12	do	.7	1.00	——	.7
5-1	do	.8	.87	——	.7
5-28	do	.7	.86	——	.6
6-20	do	1.0	.94	——	.9
9-10	do	——	——	——	.6
10-10	do	——	——	——	.4
12-4	do	——	.10	——	.4

GRAVEL CREEK
Sec. 9-14-36 W.

1-4	A. E. Johnston	——	——	0.40	2.6
1-18	do	——	——	.35	2.1
2-12	do	——	——	.30	1.7
3-7	do	——	——	.45	3.0
3-27	do	——	——	.45	3.0
4-3	do	——	——	.30	1.7
5-21	do	——	——	.40	2.6
6-26	do	——	——	——	.0
7-18	do	——	——	.30	1.7
10-3	do	——	——	.30	1.6
11-14	do	——	——	.45	3.0
11-29	do	——	——	.40	3.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

GREENWOOD CREEK
Sec. 28-18-50 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-24	A. W. Hall	3.9	1.61	.....	6.3
6-10	do	3.9	1.23	.....	4.8
6-25	do	3.1	1.13	.....	3.5

GREENWOOD CREEK
Below Nelson Canal

6-25	A. E. Johnston	0.9	0.63	.....	0.7
7-30	A. W. Hall	.6	.16	.....	.9

GREENWOOD CREEK
Sec. 26-19-50 W.

1-8	A. W. Hall	.....	.....	.....	*
2-4	C. E. Franklin	.....	.....	.....	1.0
2-23	do	.....	.....	.....	1.0
3-11	do	0.9	1.22	.....	1.1
5-4	A. W. Hall	.7	.85	.....	.6
5-24	do	.....	.....	.....	.0
6-10	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
12-10	C. E. Franklin	3.8	1.31	.....	5.0

*Ice

HAINES BRANCH CREEK
Sec. 3-9-6 E.

4-17	A. E. Johnston	3.6	1.28	.....	4.6
5-13	do	4.8	.88	.....	4.2
7-10	do	5.4	.35	.....	1.9
9-24	do	2.0	.45	.....	.7
10-23	do	2.0	.76	.....	2.0
11-22	do	2.0	.84	.....	2.0

HASKEL CREEK
Sec. 4-19-14 W.

10-24	A. E. Johnston	0.3	0.25	.....	0.1

HAT CREEK
Sec. 35-33-56 W.

6-20	A. E. Johnston	5.0	0.66	.....	3.3
10-10	do	2.0	1.30	.....	3.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

HORSE CREEK
Sec. 25-23-58 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-10	C. E. Franklin	23.9	1.51	.....	36.2
1-30	do	29.0	1.17	.....	34.4
2-15	A. W. Hall	18.3	1.54	.....	28.3
3-2	C. E. Franklin	15.2	2.22	.....	33.7
3-19	do	36.5	2.40	.....	87.5
5-8	A. W. Hall	92.0	2.42	.....	22.2
5-22	do	132.0	2.75	.....	363.0
6-13	do	177.0	2.42	.....	431.0
7-19	do	64.0	1.85	.....	119.0
8-15	do	58.0	1.77	.....	103.0
10-10	do	54.0	1.95	.....	105.0
12-6	C. E. Franklin	56.0	1.96	.....	110.0

HORSE CREEK
Sec. 23-1-39 W.

1-23	C. E. Franklin	1.8	0.95	.....	1.7
2-20	do	2.0	.87	.....	1.8
3-10	do	2.1	1.10	.....	2.3
3-23	do	1.9	1.00	.....	1.9
5-16	do	.....	.....	.....	.1
6-1	do	1.4	1.43	.....	2.0
6-13	do	.....	.....	.....	.8
6-30	do	.6	.67	.....	.4
7-14	do	.4	.90	.....	3.6
8-7	do	1.2	1.25	.....	1.5
8-20	do	.7	1.00	.....	.7
8-29	do	.7	.10	.....	.7
9-28	do	2.0	1.00	.....	2.0
11-21	do	.....	.....	.....	2.0
11-30	do	1.0	.95	.....	1.0
12-21	do	1.0	1.30	.....	1.3

INDIAN CREEK
Sec. 19-20-50 W.

1-2	A. E. Johnston	7.6	1.37	.....	10.4
1-19	A. W. Hall	7.4	1.30	.....	9.6
2-4	C. E. Franklin	5.6	.93	.....	5.2
2-26	do	4.4	1.02	.....	4.5
3-15	do	8.9	1.09	.....	9.7
4-6	A. W. Hall	5.4	1.15	.....	6.2
5-4	do	2.5	1.24	.....	3.1
5-24	do	2.8	1.21	.....	3.4
6-24	do	11.3	1.64	.....	18.3
7-16	do	9.7	1.51	.....	14.7
8-13	do	17.1	2.26	.....	38.8
9-16	do	16.0	1.67	.....	26.8
10-7	do	16.0	1.58	.....	25.0
12-9	C. E. Franklin	9.0	.97	.....	9.0
12-13	do	9.0	1.10	.....	10.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

INDIAN CREEK
Sec. 23-2-36 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-22	C. E. Franklin	6.7	0.37	——	2.5
2-20	do	3.6	.64	——	2.3
3-10	do	6.4	.75	——	4.9
3-23	do	8.5	.83	——	7.1
5-15	do	5.4	1.24	——	6.7
6-1	do	2.8	1.07	——	3.0
6-30	do	2.1	.76	——	1.6
7-14	do	.8	.87	——	.7
8-29	do	2.6	.61	——	1.6
9-28	do	3.0	1.20	——	3.6
11-21	do	7.0	.56	——	4.0
11-30	do	4.0	.86	——	4.0
12-21	do	4.0	.80	——	3.0

INDIAN CREEK
Sec. 5-32-50 W.

7-14	C. E. Franklin	0.8	0.87	——	0.7
8-7	do	4.2	.95	——	3.9

KATZER DRAIN
Sec. 10-23-60 W.

1-10	C. E. Franklin	4.0	0.80	——	3.2
1-30	do	4.5	.71	——	3.2
3-2	do	3.2	1.22	——	3.9
5-8	A. W. Hall	5.3	1.04	——	5.5
5-21	do	14.7	1.91	——	28.2
12-6	C. E. Franklin	6.0	1.03	——	6.0

KEITH-LINCOLN COUNTY DRAIN
East of Sarben

11-15	A. E. Johnston	2.0	1.70	——	4.0
11-29	do	2.0	1.61	——	3.0
12-14	do	2.0	1.96	——	4.0

KEYA PAHA RIVER
Brocksburg—Sec. 9-34-17 W.

3-18	A. E. Johnston	91.0	2.38	——	217.0
5-6	do	105.0	2.20	——	231.0
9-17	do	32.0	1.07	——	243.0
10-16	do	40.0	1.39	——	56.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

LANE DRAIN
Sec. 30-23-57 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
1-10	C. E. Franklin	3.4	0.82	——	2.8
1-30	do	1.8	.72	——	1.3
3-2	do	1.1	.63	——	.7
3-19	do	2.4	.87	——	2.1
7-19	A. W. Hall	2.3	1.38	——	3.2
10-10	do	4.5	.87	——	4.0
12-6	C. E. Franklin	5.0	.92	——	4.0

LAWRENCE FORK
Sec. 36-19-52 W.

1-26	C. E. Franklin	——	——	——	4.0
2-4	do	3.2	1.15	——	3.7
2-23	do	4.8	1.27	——	6.2
3-11	do	4.3	1.07	——	4.7
12-10	do	3.8	1.52	——	5.8

LEANDER CREEK
Sec. 33-34-37 W.

5-3	A. E. Johnston	5.1	1.41	——	7.2
5-30	do	7.0	1.37	——	9.6
9-12	do	1.7	.53	——	.9
10-14	do	1.0	.36	——	.5

LINCOLN COUNTY DRAIN
Sec. 30-14-30 W.

1-5	A. E. Johnston	24.4	1.98	3.35	48.3
1-18	do	26.1	2.34	3.40	61.0
2-12	do	25.0	2.35	3.30	58.9
2-19	do	25.2	2.30	3.45	58.1
3-6	do	28.1	2.52	3.40	71.0
3-27	do	24.9	2.22	3.35	55.3
4-3	do	23.5	2.22	3.40	52.1
4-25	do	28.9	2.37	3.50	68.4
5-21	do	28.1	2.37	3.65	66.5
6-12	do	31.4	2.62	3.80	82.4
6-27	do	39.5	2.96	4.10	117.0
7-18	do	38.0	2.82	4.10	107.2
7-24	do	42.6	2.51	4.20	107.0
7-31	do	48.6	——	4.25	145.6
8-13	do	47.8	2.85	4.30	136.5
8-28	do	50.4	2.94	4.30	149.3
9-5	do	43.0	2.90	4.15	124.0
10-2	do	41.0	2.56	3.80	104.0
11-15	do	29.0	2.41	3.55	70.0
11-29	do	27.0	2.14	3.50	58.0
12-14	do	26.0	2.46	3.40	64.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

LODGEPOLE CREEK
Sec. 11-14-59 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-15	C. E. Franklin	5.4	1.03	.....	5.6
2-14	do	3.8	1.81	.....	6.9
3-5	do	10.8	1.90	.....	20.5
5-7	do	8.5	1.15	.....	9.8
5-23	do	4.2	1.14	.....	4.8
6-25	do	3.5	1.14	.....	4.0
7-8	do	3.8	1.10	.....	4.2
9-17	do	6.4	.95	.....	6.1
11-26	do	8.0	.79	.....	7.0
12-28	do	5.2	1.08	.....	5.6

LODGEPOLE CREEK
Sec. 29-15-55 W.

1-15	C. E. Franklin	10.8	1.68	.....	18.2
2-14	do	9.0	1.22	.....	11.2
3-6	do	12.2	1.01	.....	12.3
5-7	do	12.8	1.05	.....	13.5
5-23	do	17.1	1.50	.....	25.7
6-25	do	8.8	1.15	.....	10.1
7-9	do	6.6	.44	.....	2.9
9-17	do	11.8	1.19	.....	14.0
11-13	do	14.0	1.21	.....	17.0
11-26	do	15.0	1.10	.....	17.0
12-13	do	22.0	1.56	.....	34.0
12-27	do	13.0	.92	.....	12.0

LODGEPOLE CREEK
Sec. 33-15-57 W.

1-15	C. E. Franklin	7.0	1.87	0.52	13.1
2-14	do	7.2	1.92	.....	13.8
3-5	do	10.4	2.59	.89	27.0
5-7	do	10.1	2.53	.80	26.4
5-23	do	8.4	2.40	.65	20.2
6-25	do	6.8	2.62	.52	17.8
7-8	do	5.2	1.73	.40	9.0
8-7	A. W. Hall	7.0	1.87	.60	13.3
9-17	C. E. Franklin	7.0	2.03	.55	14.2
11-26	do	8.0	2.12	.....	17.0
12-28	do	8.0	2.00	.....	16.0

LODGEPOLE CREEK
Below Kimball Reservoir

1-15	C. E. Franklin	2.6	1.11	.....	2.9
2-14	do	2.2	1.05	.....	2.3
3-5	do	2.1	1.47	.....	3.1
5-7	do	1.6	1.62	.....	2.6
5-23	do	3.1	1.13	.....	3.5
6-25	do	3.1	.87	.....	2.7
7-8	do	1.6	1.16	.....	1.9

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

LODGEPOLE CREEK—Continued

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
8-7	A. W. Hall	2.9	.86	——	2.5
9-17	C. E. Franklin	2.8	1.32	——	3.7
11-26	do	3.0	1.00	——	3.0
12-28	do	2.0	.66	——	3.0

LODGEPOLE CREEK
Sec. 28-15-55 W.

1-15	C. E. Franklin	4.0	1.92	——	7.7
2-14	do	5.8	1.31	——	7.6
3-6	do	3.9	1.59	——	6.2
5-7	do	5.6	2.02	——	11.3
5-23	do	5.2	2.41	——	12.5
6-25	do	——	——	——	.5
7-9	do	——	——	——	.5
9-17	do	3.2	1.65	——	5.3
11-26	do	7.0	1.71	——	12.0

LODGEPOLE CREEK
North of Dix—Sec. 26-15-54 W.

1-15	C. E. Franklin	——	——	——	3.0
3-6	do	10.4	1.20	——	12.5
5-8	do	12.7	1.41	——	18.0
5-23	do	5.6	1.42	——	8.0
6-25	do	——	——	——	.0
7-9	do	——	——	——	.0
11-13	do	3.0	.85	——	2.0
11-26	do	6.0	1.00	——	6.0
12-28	do	3.0	.97	——	3.0

LODGEPOLE CREEK
South of Sidney—Sec. 32-14-49 W.

1-16	C. E. Franklin	2.2	1.68	——	3.7
2-15	do	1.6	1.06	——	1.7
3-6	do	1.4	2.00	——	2.8
5-10	do	3.4	2.00	——	7.0
5-24	do	2.4	1.04	——	2.5
6-26	do	3.2	1.50	——	4.8
7-10	do	.9	.06	——	.6
9-14	do	2.0	1.50	——	3.0
11-14	do	——	——	——	3.0
11-27	do	3.0	1.41	——	4.0
12-13	do	2.3	1.65	——	3.7
12-28	do	1.8	1.83	——	3.3

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

LODGEPOLE CREEK
West of Lodgepole—Sec. 30-14-46 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-16	C. E. Franklin	10.2	1.03	.....	10.5
2-16	do	12.5	.73	.....	9.2
3-6	do	.....	.....	.....	12.5
5-10	do	13.6	1.40	.....	19.1
5-25	do	4.0	1.62	.....	6.5
6-26	do	.....	.....	.....	.2
7-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	1.0
11-15	do	6.0	1.73	.....	10.0
11-27	do	6.0	1.30	.....	7.0
12-14	do	10.0	1.03	.....	11.0
12-29	do	6.0	.83	.....	6.0

LODGEPOLE CREEK
Chappell—Sec. 21-13-45 W.

1-16	C. E. Franklin	6.6	2.80	.....	18.4
2-16	do	9.3	2.34	.....	21.8
3-6	do	11.1	2.04	.....	22.7
5-26	do	.....	.....	.....	.3
5-28	do	6.2	1.10	.....	6.9
7-10	do	2.1	1.41	.....	3.0
9-16	do	.....	.....	.....	.2
11-15	do	6.0	1.02	.....	6.0
11-27	do	6.0	1.03	.....	7.0
12-14	do	6.4	1.12	.....	7.2
12-29	do	9.0	1.45	.....	13.3

LODGEPOLE CREEK
Sec. 12-12-45 W.

1-16	C. E. Franklin	12.7	1.01	1.90	12.8
2-16	do	8.0	1.41	1.65	11.3
3-6	do	11.5	2.10	2.10	24.1
5-18	do	12.7	1.69	1.95	21.5
6-27	do	8.7	.57	1.50	5.0
7-11	do	.....	.....	.....	1.5
9-16	do	5.6	.50	1.30	2.8
11-15	do	11.0	1.73	1.80	19.0
11-27	do	9.0	1.62	2.80	15.0
12-14	do	10.0	1.70	1.75	17.0
12-29	do	10.0	1.30	.....	13.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

LONERGAN CREEK
Sec. 19-15-39 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-4	A. E. Johnston	4.9	1.22	.....	6.0
1-18	do	4.2	1.78	.....	7.5
2-13	do	4.3	1.97	.....	8.5
3-7	do	4.4	1.57	.....	6.9
3-28	do	4.3	1.77	.....	7.6
4-2	do	5.6	1.46	.....	8.2
4-26	do	5.4	1.46	.....	7.9
5-22	do	3.3	1.24	.....	4.1
6-14	do	3.4	1.41	.....	4.8
6-26	do	2.8	1.32	.....	3.7
7-19	do	2.6	1.65	.....	4.3
7-23	do	6.5	1.90	.....	12.3
9-6	do	3.3	1.50	.....	4.9
10-3	do	5.0	.61	.....	3.0
11-14	do	5.0	1.20	.....	7.0
11-29	do	5.0	1.16	.....	6.0
12-16	do	5.0	.94	.....	5.0

LOST CREEK
Merriman

2-24	A. E. Johnston	15.0	1.83	.....	27.0

LOUP RIVER, NORTH
Sec. 22-21-18 W.

1-10	A. E. Johnston	157.0	2.55	.....	400.0
3-1	do	231.0	2.58	.....	595.0
4-11	do	190.0	4.61	.....	874.0
5-15	do	217.0	3.74	.....	812.0
7-2	do	163.0	2.97	.....	484.0
9-26	do	169.0	2.91	.....	492.5
10-24	do	169.0	3.10	.....	524.0
11-23	do	114.0	2.88	.....	328.0
12-7	do	154.0	2.90	.....	548.0

LOUP RIVER, NORTH
North of Burwell

1-11	A. E. Johnston	315.0	2.67	.....	843.0
4-11	do	382.0	3.12	.....	1196.0
7-3	do	331.0	2.88	.....	954.0
10-24	do	318.0	2.60	.....	829.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

LOUP RIVER, NORTH
Sec. 14-15-10 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-11	A. E. Johnston	224.0	2.54	2.25	794.0
2-1	do	.....	.....	3.50	*
2-26	do	372.0	2.20	3.60	817.0
3-22	do	509.0	2.51	1.60	1279.0
4-12	do	475.0	3.24	1.85	1536.0
6-7	do	679.0	3.22	1.90	2188.0
7-5	do	407.0	2.49	1.05	1010.0
7-27	do	392.0	2.05	1.20	804.5
9-25	do	400.0	2.16	1.42	854.0
10-24	do	386.0	2.39	1.50	924.0

*Ice

LOUP RIVER, NORTH
St. Paul
U. S. G. S. Station

1-31	LeFever and Cabell	382.0	.....	3.20	701.0
2-14	F. F. LeFever	432.0	.....	.....	637.0
3-27	do	460.0	.....	1.70	1100.0
4-18	H. P. Eisenhuth	419.0	.....	1.77	1080.0
5-1	do	482.0	.....	1.75	1420.0
5-31	F. F. LeFever	552.0	.....	1.70	1300.0
6-17	do	400.0	.....	1.40	874.0
6-18	do	1030.0	.....	2.83	6290.0
7-15	H. P. Eisenhuth	394.0	.....	1.24	838.0
8-2	do	396.0	.....	1.30	666.0
8-26	do	440.0	.....	1.36	790.0
9-3	F. B. Campbell	464.0	.....	1.54	819.0
9-18	do	456.0	.....	1.44	715.0

LOUP RIVER, MIDDLE
Dunning

2-5	A. E. Johnston	140.0	1.75	.....	342.0
2-28	do	173.0	2.24	.....	388.0
4-10	do	138.0	4.20	.....	582.0
9-27	do	142.0	3.05	.....	429.0
11-25	do	146.0	3.04	.....	443.0

LOUP RIVER, MIDDLE
Sargent—Sec. 11-19-18 W.

1-10	A. E. Johnston	359.0	2.46	.....	785.0
3-1	do	360.0	2.74	.....	987.0
4-10	do	385.0	3.50	.....	1339.0
5-14	do	332.0	3.20	.....	1063.0
7-2	do	389.0	2.56	.....	995.0
9-26	do	396.0	2.41	.....	956.0
10-25	do	274.0	3.10	.....	851.0
12-9	do	235.0	4.30	.....	1005.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

LOUP RIVER, MIDDLE
Sec. 10-14-10 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-11	A. E. Johnston	.....	.....	2.30	*
2-2	do	531.0	2.54	2.80	1346.0
2-26	do	479.0	2.87	3.30	1575.0
3-23	do	623.0	3.06	1.65	1907.0
4-12	do	468.0	3.22	1.70	1507.0
6-8	do	1123.0	4.91	2.40	5613.0
7-5	do	476.0	2.30	1.40	1098.0
7-27	do	354.0	2.22	1.25	786.0
9-25	do	518.0	2.27	1.40	1179.0
10-24	do	297.0	4.01	1.35	1197.0

*Ice

LOUP RIVER, MIDDLE
St. Paul
U. S. G. S. Station

1-30	LeFever and Cabell	408.0	.....	2.50	521.0
2-13	F. F. LeFever	505.0	.....	.....	809.0
3-9	do	.....	.....	3.76	2650.0
3-27	do	394.0	.....	1.62	1200.0
4-18	Eisenhuth and Follansbee	463.0	.....	1.69	1250.0
5-1	H. P. Eisenhuth	399.0	.....	1.15	1260.0
5-31	F. F. LeFever	758.0	.....	1.89	3570.0
6-17	do	278.0	.....	.89	878.0
7-16	H. P. Eisenhuth	476.0	.....	1.35	1020.0
8-3	do	365.0	.....	1.39	790.0
8-26	do	487.0	.....	1.50	862.0
9-19	F. B. Campbell	326.0	.....	1.06	831.0

LOUP RIVER, SOUTH
Callaway

1-9	A. E. Johnston	45.4	1.68	.....	76.3
2-5	do	33.0	2.24	.....	73.0
2-28	do	55.0	1.78	.....	98.0
4-9	do	55.0	1.80	.....	100.0
5-15	do	80.0	1.90	.....	152.0
7-1	do	66.0	1.29	.....	86.0
9-27	do	56.0	1.45	.....	81.0
10-25	do	63.0	1.12	.....	70.0

LOUP RIVER, SOUTH
Pleasanton

1-9	A. E. Johnston	69.2	1.82	.....	126.3
2-4	do	44.0	1.68	.....	73.8
3-2	do	86.9	1.88	.....	163.0
4-9	do	65.0	2.72	.....	178.0
5-16	do	97.0	2.77	.....	268.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

LOUP RIVER, SOUTH—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-1	A. E. Johnston	70.0	1.80	.....	124.0
9-28	do	72.0	2.16	.....	156.0
10-26	do	62.0	2.22	.....	137.0
11-26	do	67.0	1.78	.....	119.0
12-9	do	108.0	2.16	.....	233.0

LOUP RIVER
Genoa
U. S. G. S. Station

3-14	P. V. Hodges	1750.0	.....	2.55	7030.0
3-26	F. F. LeFever	1240.0	.....	1.71	3050.0
4-17	Follansbee and Eisenhuth	1110.0	.....	1.74	2680.0
4-30	H. P. Eisenhuth	1170.0	.....	1.77	3550.0
5-30	F. F. LeFever	1990.0	.....	2.73	9090.0
6-16	do	928.0	.....	1.60	2490.0
7-15	H. P. Eisenhuth	932.0	.....	1.79	2000.0
8-2	do	839.0	.....	1.56	1630.0
8-24	do	919.0	.....	1.86	2030.0
9-18	F. B. Campbell	1230.0	.....	1.71	1970.0

LOUP RIVER
Columbus

1-15	A. E. Johnston	.....	.....	4.70	*
2-1	do	.....	.....	4.45	*
3-21	do	854.0	3.13	3.15	2674.0
4-13	do	947.0	3.44	3.50	3259.0
5-9	do	950.0	4.23	4.00	4020.0
6-5	do	1111.0	4.94	4.25	5490.0
7-6	do	1155.0	2.58	3.50	2984.0
7-26	do	914.0	2.28	3.25	2085.3
9-20	do	898.5	2.76	3.20	2477.5
10-19	do	757.0	3.00	3.45	2266.0
11-20	do	578.0	4.24	3.45	2447.0

*Ice

LOUSE CREEK
Sec. 12-32-10 W.

3-19	A. E. Johnston	6.7	2.40	.....	16.1
5-7	do	4.3	2.82	.....	12.1
9-18	do	2.6	1.46	.....	3.8
10-17	do	4.0	2.08	.....	7.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

McGUIRES SLOUGH
Sec. 21-6-40 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-18	C. E. Franklin	3.3	0.97	.....	3.2
2-17	do	3.6	1.47	.....	5.3
3-7	do	2.5	1.04	.....	2.6
3-21	do	2.6	1.07	.....	2.8
5-11	do	2.2	1.36	.....	3.0
5-29	do	2.8	1.39	.....	3.9
6-27	do	2.6	.94	.....	2.4
7-11	do	2.2	.83	.....	2.1
9-25	do	3.0	.93	.....	2.5
11-16	do	3.0	.94	.....	3.0
11-28	do	2.0	1.54	.....	3.0

MEDICINE CREEK
Sec. 18-4-25 W.

1-20	C. E. Franklin	43.5	0.98	.....	42.5
2-19	do	35.5	1.36	.....	48.4
3-9	do	59.5	1.61	.....	95.7
3-22	do	95.5	.86	.....	82.3
5-14	do	179.0	.48	.....	86.0
5-31	do	155.0	.61	.....	94.0
6-11	do	120.0	.85	.....	102.0
6-29	do	118.0	2.44	.....	29.0
7-13	do	152.5	.28	.....	43.0
8-6	do	133.5	.22	.....	30.6
8-18	do	18.4	.58	.....	10.8
8-25	do	13.0	1.15	.....	15.0
9-26	do	94.0	.89	.....	84.0
11-20	do	57.0	.65	.....	37.0
11-29	do	122.0	1.28	.....	157.0
12-19	do	45.0	1.66	.....	75.0
12-31	do	78.0	.77	.....	61.0

MELBETA SEEP
Sec. 24-21-54 W.

1-19	A. W. Hall	4.6	1.61	.....	7.4
2-5	C. E. Franklin	3.5	.72	.....	2.5
2-28	do	2.5	1.44	.....	3.6
3-16	do	.....	.....	.....	3.0
5-9	A. W. Hall	3.0	1.43	.....	4.3
5-23	do	2.4	1.96	.....	4.7
7-5	do	3.6	1.69	.....	6.1
7-16	do	3.3	2.70	.....	8.9
8-14	do	.....	.....	.....	.0
10-8	do	5.0	2.09	.....	11.0
11-8	A. E. Johnston	4.0	1.66	.....	7.0
12-4	C. E. Franklin	2.0	2.16	.....	5.0
12-17	A. E. Johnston	3.6	1.78	.....	6.4

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

MINNECHUDUZA CREEK
Sec. 28-34-27 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-28	A. E. Johnston	18.2	1.20	.....	21.8
3-18	do	59.7	.46	.....	27.3
5-6	do	40.1	1.21	.....	48.7
6-1	do	52.0	1.36	.....	97.3
9-14	do	13.9	1.00	.....	13.8
10-16	do	17.0	2.03	.....	34.0
12-6	do	28.0	1.93	.....	54.0

MIRA CREEK
Sec. 26-18-13 W.

10-24	A. E. Johnston	.....	.....	.....	0.1

MITCHELL SPILLWAY
Sec. 35-23-56 W.

1-7	C. E. Franklin	8.1	1.97	.....	15.9
1-29	do	8.5	2.16	.....	18.3
3-2	do	2.0	11.56	.....	23.1
3-19	do	11.5	1.06	.....	12.2
5-7	A. W. Hall	6.6	1.82	4.55	12.0
5-22	do	43.2	1.60	5.30	69.0
6-12	do	58.0	2.31	4.65	134.0
7-18	do	.....	.....	.....	.0
8-15	do	.....	.....	.....	.0
10-9	do	15.0	2.18	4.60	33.0
11-7	A. E. Johnston	31.0	.93	.....	29.0
12-5	C. E. Franklin	11.0	1.55	.....	17.0

MORRILL DRAIN
Sec. 13-23-57 W.

1-10	C. E. Franklin	3.8	0.40	.....	1.5
1-30	do	5.2	.77	.....	4.0
2-15	A. W. Hall	.....	.....	.....	*
3-2	C. E. Franklin	.....	.....	.....	*
3-19	do	.....	.....	.....	.0
5-9	A. W. Hall	.....	.....	.....	.5
5-22	do	.....	.....	.....	1.5
7-3	do	.....	.....	.....	1.0
7-19	do	8.0	.16	.....	1.3
8-15	do	8.8	.29	.....	2.6
9-14	do	8.0	.49	.....	3.9
10-9	do	8.0	.20	.....	2.0
11-6	A. E. Johnston	5.0	.60	.....	3.0
12-6	C. E. Franklin	.....	.....	.....	.8

*Ice

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

MUDDY CREEK
Arapahoe—Sec. 16-4-23 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-20	C. E. Franklin	3.8	0.82	.....	3.1
2-19	do	4.6	.98	.....	4.5
3-9	do	.....	.....	.....	4.0
3-22	do	5.6	.79	.....	4.4
5-14	do	2.4	.75	.....	1.8
5-31	do	7.2	.82	.....	5.9
6-11	do	8.8	.60	.....	5.3
6-29	do	2.4	1.08	.....	2.6
7-13	do	3.6	.75	.....	2.7
8-6	do	.....	.....	.....	.3
8-26	do	.....	.....	.....	.2
9-26	do	.....	.....	.....	1.0
11-20	do	3.0	.94	.....	3.0
11-29	do	3.0	1.19	.....	3.0
12-19	do	2.4	.95	.....	2.3
12-31	do	3.0	.60	.....	1.8

MUDDY CREEK
Berwyn—Sec. 16-16-19 W.

1-9	A. E. Johnston	3.8	0.74	.....	2.8
2-4	do	2.3	1.43	.....	3.3
2-27	do	3.1	1.42	.....	4.4
4-9	do	4.2	1.66	.....	7.0
5-16	do	2.6	.85	.....	2.2
7-1	do	6.4	1.39	.....	8.9
9-28	do	2.5	.88	.....	2.0
10-26	do	2.0	1.09	.....	3.0
11-26	do	2.0	.43	.....	1.0
12-9	do	2.0	.66	.....	1.0

MUDDY CREEK
Hazard—Sec. 29-13-15 W.

1-9	A. E. Johnston	23.9	1.50	.....	35.6
2-4	do	24.7	1.32	.....	32.6
2-27	do	40.8	1.70	.....	69.4
4-9	do	26.9	1.29	.....	34.8
5-16	do	32.0	1.06	.....	34.0
7-1	do	23.5	1.24	.....	29.1
9-28	do	20.0	1.08	.....	21.0
10-26	do	23.0	1.08	.....	25.0
11-26	do	32.0	1.34	.....	43.0
12-9	do	22.0	1.41	.....	31.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

MUDDY CREEK
Mason City—Sec. 31-15-17 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-9	A. E. Johnston	19.0	1.09	.....	20.7
2-4	do	22.7	1.38	.....	31.3
2-27	do	25.0	1.54	.....	38.5
4-9	do	18.7	1.08	.....	20.2
5-16	do	15.8	.87	.....	13.8
7-1	do	14.3	1.10	.....	16.0
9-23	do	17.0	.77	.....	13.0
10-26	do	18.0	.64	.....	12.0
11-26	do	19.0	1.00	.....	19.0
12-9	do	30.0	.80	.....	24.0

NIOBRARA RIVER
Sec. 20-31-58 W.

6-19	A. E. Johnston	5.2	1.76	.....	9.2
10-10	do	6.0	1.47	.....	9.0

NIOBRARA RIVER
Sec. 9-29-56 W.

6-19	A. E. Johnston	15.1	0.98	.....	14.7
10-9	do	13.0	1.28	.....	16.0

NIOBRARA RIVER
Sec. 7-28-55 W.

6-19	A. E. Johnston	8.4	1.22	0.30	10.3
10-9	do	10.0	.35	.....	14.0

NIOBRARA RIVER
Sec. 7-28-53 W.

6-19	A. E. Johnston	11.0	0.98	.....	10.8
10-9	do	11.0	1.33	.....	15.0

NIOBRARA RIVER
Sec. 4-28-53 W.

6-19	A. E. Johnston	3.0	0.50	.....	1.6

NIOBRARA RIVER
Sec. 5-28-51 W.

1-22	A. E. Johnston	19.2	1.97	.....	37.9
3-11	do	64.2	1.75	.....	112.0
4-30	do	51.8	1.61	.....	84.2
5-28	do	38.0	1.18	.....	45.0
6-19	do	22.1	.95	.....	21.1
9-10	do	22.8	.68	.....	15.4
10-9	do	25.0	.92	.....	23.0
12-3	do	28.0	1.52	.....	42.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

NIOBRARA RIVER
Sec. 27-29-48 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-22	A. E. Johnston	33.2	1.98	.....	66.0
3-11	do	37.5	2.97	1.60	111.3
4-30	do	43.0	3.03	1.60	130.0
5-27	do	26.0	2.59	1.05	67.4
6-18	do	18.5	1.44	.80	26.7
6-22	do	13.9	1.80	.70	25.0
9-10	do	25.2	1.82	1.30	45.9
10-9	do	25.0	1.72	1.05	43.0

NIOBRARA RIVER
Gordon

3-29	F. F. LeFever	68.0	.....	0.42	227.0
4-22	H. P. Eisenhuth	74.0	.....	.45	247.0
5-19	F. F. LeFever	62.0	.....	.53	192.0
6-4	do	80.0	.....	.74	213.0
6-21	do	54.0	.....	.31	103.0
8-10	H. P. Eisenhuth	59.0	.....	.48	107.0
9-4	do	56.0	.....	.56	103.0
9-23	F. B. Campbell	69.0	.....	.71	135.0

NIOBRARA RIVER
Crane Bridge, South of Eli

1-25	A. E. Johnston	117.0	1.97	.....	231.0
5-3	do	126.0	3.26	.....	411.0
5-30	do	145.0	3.09	.....	448.0
9-12	do	141.0	2.41	.....	341.0
10-14	do	147.0	2.29	.....	337.0
12-5	do	171.0	2.34	.....	400.0

NIOBRARA RIVER
Valentine
U. S. G. S. Station

1-17	LeFever and Cabell	246.0	.....	2.31	719.0
2-20	F. F. LeFever	264.0	.....	3.04	697.0
3-28	do	228.0	.....	1.20	1170.0
4-21	H. P. Eisenhuth	229.0	.....	1.03	1030.0
5-20	F. F. LeFever	208.0	.....	.98	858.0
6-5	do	246.0	.....	.92	1190.0
6-22	do	220.0	.....	1.09	670.0
7-22	H. P. Eisenhuth	252.0	.....	1.25	738.0
8-9	do	251.0	.....	1.13	686.0
9-4	do	222.0	.....	1.14	780.0
9-21	do	176.0	.....	.69	713.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

NIOBRARA RIVER
Sec. 28-34-27 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-28	A. E. Johnston	321.0	2.10	.....	676.0
3-18	do	254.0	7.41	.....	1881.0
5-6	do	255.0	6.42	.....	1643.0
6-1	do	317.0	4.80	.....	1522.0
9-14	do	248.2	3.92	.....	972.0
10-16	do	242.0	3.60	.....	906.0
12-6	do	290.0	3.81	.....	1107.0

NIOBRARA RIVER
South of Lynch

3-19	A. E. Johnston	739.0	4.47	.....	3302.0
5-7	do	612.0	4.45	.....	2731.0
9-18	do	261.5	3.94	.....	1029.8
10-17	do	381.0	2.84	.....	1083.0

NORFOLK RIVER
Below Mill at Norfolk

1-30	A. E. Johnston	56.1	1.56	.....	87.7

OAK CREEK
Capital Beach, near Lincoln

9-24	A. E. Johnston	2.0	0.29	.....	0.6
10-23	do	2.0	.46	.....	.7

OTTER CREEK
Sec. 9-15-40 W.

1-4	A. E. Johnston	13.7	1.97	.....	25.0
1-18	do	7.8	.96	.....	7.5
2-13	do	14.0	2.12	.....	29.9
3-7	do	14.4	1.58	.....	22.8
3-28	do	12.6	2.28	.....	28.7
4-2	do	12.7	2.58	.....	32.8
4-26	do	13.4	2.17	.....	29.1
5-22	do	12.0	1.49	.....	17.9
6-14	do	4.4	1.52	.....	6.7
6-26	do	7.7	1.86	.....	14.3
7-19	do	12.2	1.83	.....	22.4
7-23	do	11.8	2.17	.....	25.6
9-6	do	13.3	1.25	.....	30.6
10-3	do	20.0	1.24	.....	25.0
11-14	do	11.0	2.12	.....	24.0
11-29	do	19.0	1.37	.....	26.0
12-16	do	13.0	1.85	.....	24.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

PAPILLION CREEK, LITTLE
Sec. 35-15-13 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-16	A. E. Johnston	11.1	0.86	—	9.0
5-13	do	16.7	.92	—	15.4
11-21	do	8.0	.88	—	7.0

PAWNEE CREEK
Sec. 4-12-27 W.

1-7	A. E. Johnston	7.8	0.96	—	7.5
1-17	do	9.6	1.19	—	11.4
2-20	do	9.8	.98	—	9.6
3-5	do	10.0	1.25	—	12.5
3-26	do	18.1	1.26	—	22.9
4-5	do	14.9	.94	—	14.1
4-23	do	16.4	.64	—	10.5
5-18	do	10.6	.54	—	5.7
6-11	do	13.2	.67	—	8.9
6-28	do	7.8	.59	—	4.6
7-17	do	6.8	.65	—	4.4
8-14	do	1.4	.30	—	.4
12-12	do	16.0	.87	—	14.0

PINE CREEK
Sec. 33-30-44 W.

1-24	A. E. Johnston	16.2	1.49	—	24.1
5-2	do	15.6	1.77	—	27.6
5-29	do	20.0	1.50	—	30.0
9-12	do	16.5	1.45	—	24.0
10-12	do	16.0	1.36	—	22.0
12-5	do	15.0	1.46	—	22.0

PINE CREEK
Below Mill at Long Pine

1-28	A. E. Johnston	23.4	2.00	—	46.8
6-3	do	33.6	1.95	—	65.6
12-7	do	35.0	1.71	—	60.0

PLUM CREEK
West of Johnstown

1-28	A. E. Johnston	13.8	2.05	—	28.3

PONCA CREEK
Sec. 14-33-10 W.

3-19	A. E. Johnston	19.6	1.75	—	34.4
5-7	do	16.7	1.31	—	21.9
9-17	do	2.4	.88	—	2.1
10-17	do	3.0	.35	—	1.1

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

PRAIRIE CREEK
Sec. 24-16-3 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-12	A. E. Johnston	20.3	0.98	.....	19.8
2-1	do	18.2	1.35	.....	24.6
2-22	do	28.8	1.37	.....	39.6
3-22	do	17.6	1.77	.....	31.1
4-12	do	15.3	1.86	.....	28.6
5-9	do	15.7	1.62	.....	25.5
6-5	do	19.2	1.45	.....	28.0
7-6	do	15.0	1.27	.....	19.0
9-20	do	3.0	1.50	.....	5.0
10-19	do	4.0	1.34	.....	5.0
11-19	do	9.0	1.05	.....	9.0

PULLEN DRAIN
Sec. 24-24-61 W.

1-10	C. E Franklin	.....	.....	.....	0.2
1-30	do	.....	.....	.....	.3
3-2	do	.....	.....	.....	.2
5-8	do	1.1	1.18	.....	1.3
5-20	do	.4	.96	.....	.4
12-6	do	.....	.....	.....	.6

PUMPKINSEED CREEK
Gering-Kimball Highway

2-14	C. E. Franklin	5.6	0.59	.....	3.2
3-5	do	9.4	1.48	.....	13.9
5-22	do	5.1	1.72	.....	8.8
7-6	do	3.8	.99	.....	3.7
9-18	do	7.1	1.30	.....	9.2
11-13	do	9.0	1.28	.....	12.0
12-12	do	8.0	2.13	.....	17.0
12-27	do	7.0	.70	.....	10.0

PUMPKINSEED CREEK
Sec. 28-19-50 W.

1-18	A. W. Hall	17.4	2.02	0.85	35.2
3-11	C. E. Franklin	30.2	1.61	.85	48.6
4-6	A. W. Hall	19.2	2.26	1.00	43.4
5-4	do	26.8	2.03	1.20	61.6
5-24	do	21.0	2.00	.95	42.1
6-10	do	27.4	2.26	.95	50.6
6-25	do	5.8	.69	.15	4.0
7-15	do	5.7	1.22	.20	4.0
7-30	do	7.7	1.05	.20	8.1
9-18	do	10.0	1.10	.....	11.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

PUMPKINSEED CREEK
Sec. 12-19-50 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-2	A. E. Johnston	28.0	1.97	0.70	55.4
1-18	A. W. Hall	24.4	2.38	.75	58.1
2-4	C. E. Franklin	28.4	1.32	.30	37.5
2-16	A. E. Johnston	27.5	1.75	.....	48.1
2-23	C. E. Franklin	23.0	1.81	.60	41.7
4-6	A. W. Hall	30.4	2.20	.85	66.7
4-27	A. E. Johnston	56.5	2.16	.....	122.0
5-4	A. W. Hall	30.2	.90	.90	75.8
5-10	do	39.0	3.00	1.25	117.2
5-24	do	26.7	2.35	.93	62.6
6-10	do	28.7	2.22	.75	63.7
6-17	A. E. Johnston	17.0	.99	.10	17.1
6-25	do	13.1	1.41	.05	18.5
7-15	A. W. Hall	10.3	1.89	.....	19.5
8-28	do	14.0	1.90	.20	26.5
10-7	A. E. Johnston	18.0	1.83	.....	34.0
11-13	do	21.0	1.57	.50	33.0
12-10	C. E. Franklin	41.0	1.51	.....	62.0

RED BIRD CREEK
Sec. 11-32-10 W.

3-19	A. E. Johnston	34.3	1.77	.....	61.0
5-7	do	30.3	2.40	.....	72.8
9-18	do	13.7	1.64	.....	22.5
10-17	do	20.0	1.65	.....	33.0

RED WILLOW CREEK
Sec. 6-20-51 W.

1-19	A. W. Hall	23.8	2.04	.....	48.8
2-4	C. E. Franklin	24.0	1.68	.....	40.3
2-26	do	18.5	1.81	.....	33.6
3-15	do	14.0	2.02	.....	28.4
4-6	A. W. Hall	22.0	1.88	.....	41.5
5-4	do	28.7	2.56	.....	73.7
5-24	do	59.0	2.40	.....	142.0
6-12	do	58.0	2.98	.....	173.0
6-24	do	4.9	1.02	.....	5.0
7-17	do	6.3	.....	.....	6.5
9-16	do	82.5	2.77	.....	228.9
10-7	do	33.0	2.75	.....	91.0
12-9	do	29.0	1.92	.....	56.0
12-13	do	30.0	2.25	.....	68.0
12-19	do	34.0	2.17	.....	74.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

RED WILLOW CREEK
Sec. 17-3-28 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-20	C. E. Franklin	15.3	1.17	.....	17.9
2-19	do	14.8	1.47	.....	21.8
3-9	do	47.0	.66	.....	30.9
3-22	do	29.0	1.15	.....	33.4
5-14	do	44.0	.75	.....	33.0
5-31	do	51.0	.86	.....	44.0
6-11	do	58.0	1.65	.....	96.0
6-29	do	24.0	.45	.....	10.8
7-13	do	31.0	.65	.....	20.2
8-6	do	2.4	1.22	.....	2.9
8-18	do	.....	.....	.....	1.0
9-26	do	11.0	.86	.....	9.3
11-18	do	22.0	.68	.....	15.0
11-29	do	44.0	.61	.....	27.0
12-19	do	17.0	1.18	.....	20.0
12-31	do	16.0	1.06	.....	18.0

REPUBLICAN RIVER
Sec. 9-1-42 W.

1-23	C. E. Franklin	28.8	2.16	.....	62.1
2-20	do	37.1	1.55	.....	57.6
3-10	do	35.8	2.44	.....	87.1
3-23	do	33.5	2.36	.....	79.0
5-16	do	35.0	1.97	.....	69.0
6-1	do	22.5	1.56	.....	35.0
6-13	do	27.9	1.64	.....	45.6
6-30	do	6.4	1.06	.....	6.8
7-14	do	6.3	2.49	.....	15.7
8-7	do	8.5	1.30	.....	11.1
8-20	do	10.6	1.16	.....	12.4
8-29	do	11.5	1.46	.....	17.0
9-28	do	16.0	1.94	.....	31.0
11-21	do	33.0	1.88	.....	62.0
11-30	do	37.0	1.74	.....	65.0
12-21	do	42.0	1.60	.....	67.0

REPUBLICAN RIVER
Sec. 11-1-42 W.

1-23	C. E. Franklin	33.0	2.21	.....	72.9
2-20	do	76.0	1.39	.....	105.0
3-10	do	36.0	2.12	.....	77.0
3-23	do	40.0	2.08	.....	84.0
5-16	do	30.0	1.80	.....	54.0
6-1	do	22.8	1.60	.....	36.5
6-13	do	25.1	1.40	.....	35.3

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

REPUBLICAN RIVER—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-30	C. E. Franklin	7.9	.98	.....	8.0
7-14	do	7.0	1.20	.....	8.4
8-7	do	11.8	1.21	.....	14.3
8-20	do	10.2	1.33	.....	13.6
8-29	do	14.3	1.47	.....	21.0
11-21	do	44.0	1.47	.....	65.0
11-30	do	32.0	2.44	.....	78.0
12-21	do	61.0	1.16	.....	71.0

REPUBLICAN RIVER, NORTH FORK
Sec. 19-1-37 W.

1-22	C. E. Franklin	84.6	1.42	.....	120.5
2-20	do	45.0	1.93	.....	86.0
3-10	do	87.0	2.94	.....	255.0
3-23	do	73.0	2.02	.....	147.0
5-15	do	51.0	2.74	.....	140.0
6-1	do	41.0	1.75	.....	72.0
6-13	do	37.0	2.35	.....	87.0
6-30	do	36.0	1.57	.....	56.0
7-14	do	3.5	.79	.....	3.0
8-7	do	36.5	1.55	.....	58.0
8-20	do	4.0	.82	.....	3.3
8-29	do	16.0	1.69	.....	27.0
9-28	do	63.0	1.33	.....	84.0
11-21	do	33.0	2.72	.....	90.0
11-30	do	98.0	2.45	.....	240.0
12-21	do	35.0	2.30	.....	81.0

REPUBLICAN RIVER, SOUTH FORK
Sec. 19-1-37 W.

1-22	C. E. Franklin	42.0	1.26	.....	53.0
2-20	do	38.0	1.16	.....	45.0
3-10	do	43.0	2.04	.....	88.0
3-23	do	.....	.....	.....	70.0
5-15	do	53.0	1.22	.....	65.0
6-1	do	44.0	1.13	.....	50.0
6-13	do	34.8	1.32	.....	45.8
6-30	do	37.0	1.56	.....	58.0
7-14	do	.....	.....	.....	1.0
8-7	do	22.5	1.08	.....	24.5
8-20	do	.....	.....	.....	.8
9-28	do	21.0	1.29	.....	26.0
11-21	do	33.0	.73	.....	24.0
11-30	do	40.0	1.25	.....	50.0
12-21	do	36.0	.94	.....	34.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

REPUBLICAN RIVER
Max
U. S. G. S. Station

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-8	F. F. LeFever	171.0	.....	1.70	280.0
3-17	P. V. Hodges	213.0	.....	1.59	238.0
4-12	Follansbee and Eisenhuth	108.0	.....	1.50	164.0
4-24	H. P. Eisenhuth	187.0	.....	1.67	325.0
6-2	F. F. LeFever	93.0	.....	1.43	129.0
6-19	do	44.2	.....	1.30	82.0
7-9	H. P. Eisenhuth	14.4	.....	1.06	13.0
7-29	do	61.0	.....	1.28	111.0
8-20	do	.8	.....	.97	.4
9-11	F. B. Campbell	128.0	.....	1.42	145.0
9-26	do	166.0	.....	1.36	75.0

REPUBLICAN RIVER
Between Secs. 16 and 17-3-31 W.

1-19	C. E. Franklin	68.5	2.20	.....	150.7
2-18	do	84.0	1.35	.....	113.3
3-8	do	187.0	1.92	.....	361.0
3-22	do	217.0	1.82	.....	396.0
5-13	do	181.0	1.68	.....	305.0
5-30	do	170.0	1.35	.....	229.0
6-10	do	147.0	1.54	.....	226.0
6-28	do	20.0	1.70	.....	34.0
7-12	do	5.2	1.26	.....	7.0
8-3	do	40.0	1.25	.....	50.3
8-16	do	.....	.....	.....	.1
9-27	do	55.0	1.63	.....	89.0
11-18	do	91.0	1.96	.....	179.0
11-28	do	185.0	3.12	.....	578.0
12-17	do	101.0	1.76	.....	178.0
12-30	do	80.0	1.43	.....	116.0

REPUBLICAN RIVER
Sec. 31-3-29 W.

1-19	C. E. Franklin	216.0	1.54	.....	334.0
2-18	do	182.0	1.91	.....	346.0
3-8	do	282.0	2.71	.....	764.0
3-22	do	224.0	2.18	.....	487.0
5-13	do	219.0	2.16	.....	473.0
5-30	do	282.0	2.22	.....	626.0
6-10	do	344.0	2.58	.....	887.0
6-28	do	36.0	1.38	.....	49.0
7-12	do	23.4	1.66	.....	39.0
8-3	do	13.3	1.73	.....	23.1
8-28	do	.....	.....	.....	.0
9-27	do	96.0	1.57	.....	151.0
11-18	do	210.0	2.20	.....	464.0
11-28	do	329.0	1.82	.....	598.0
12-17	do	225.0	2.18	.....	492.0
12-30	do	115.0	2.61	.....	300.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

REPUBLICAN RIVER
Sec. 22-4-24 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-20	C. E. Franklin	182.0	2.02	——	366.0
2-19	do	246.0	1.14	——	281.0
3-9	do	162.0	2.07	——	334.0
3-22	do	196.0	3.37	——	663.0
5-14	do	397.0	1.73	——	690.0
5-31	do	405.0	2.42	——	985.0
6-11	do	427.0	2.30	——	980.0
6-29	do	120.0	1.44	——	173.0
7-13	do	176.0	1.25	——	219.0
8-6	do	43.0	.86	——	37.0
8-18	do	10.0	.66	——	7.0
8-25	do	5.0	.74	——	4.0
9-26	do	165.0	1.07	——	176.0
11-20	do	256.0	1.74	——	445.0
11-29	do	395.0	1.24	——	489.0
12-19	do	290.0	1.40	——	405.0
12-31	do	190.0	2.26	——	431.0

REPUBLICAN RIVER
Bloomington
U. S. G. S. Station

4-13	Follansbee and Eisenhuth	217.0	——	1.98	496.0
4-24	H. P. Eisenhuth	347.0	——	2.73	882.0
6-1	F. F. LeFever	757.0	——	4.73	2790.0
6-18	do	354.0	——	2.51	895.0
7-10	H. P. Eisenhuth	274.0	——	2.14	630.0
7-29	do	487.0	——	2.97	1210.0
8-21	do	131.0	——	.74	124.0
9-12	F. B. Campbell	122.0	——	.75	150.0
9.27	do	96.0	——	.71	128.0

REPUBLICAN RIVER
Bostwick

7-11	A. E. Johnston	787.0	22.5	——	1771.0

REPUBLICAN RIVER
Superior

4-18	A. E. Johnston	609.0	0.91	——	554.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

ROCK CREEK
Sec. 21-1-39 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-23	C. E. Franklin	8.8	1.22	1.50	10.7
2-20	do	19.6	1.25	.....	24.5
3-10	do	10.0	1.43	1.40	14.3
3-23	do	11.3	1.78	1.40	20.2
5-16	do	9.7	.94	.....	9.2
6-1	do	10.4	1.20	1.50	12.5
6-13	do	10.8	1.39	1.40	15.0
6-30	do	8.6	1.30	1.44	11.2
7-14	do	7.9	.....	1.30	11.8
8-7	do	8.8	1.59	1.40	14.0
8-20	do	8.4	1.27	1.35	10.7
8-29	do	8.8	1.27	1.35	11.2
9-28	do	8.0	1.39	1.45	12.0
11-21	do	9.0	1.44	1.50	13.0
11-30	do	8.0	1.68	1.55	13.0
12-21	do	7.0	.70	.....	10.0

ROCK CREEK
South of Springview

6-3	A. E. Johnston	4.9	1.83	.....	9.0

RUSH CREEK
Sec. 17-17-45 W.

1-3	A. E. Johnston	1.7	1.47	.....	2.5
1-19	do	1.5	1.87	.....	2.8
3-29	do	1.8	1.44	.....	2.6
4-1	do	2.0	1.45	.....	2.9
6-24	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
11-13	do	.....	.....	.....	.0

SALT CREEK
Sec. 2-9-6 E.

4-17	A. E. Johnston	14.1	0.89	.....	12.6
5-13	do	49.9	.61	.....	30.1
7-10	do	9.6	.78	.....	7.5
9-24	do	.....	.....	.....	3.5
10-23	do	6.0	1.01	.....	6.0
11-22	do	6.0	1.36	.....	8.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

SAND CREEK
Sec. 10-15-40 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-4	A. E. Johnston	2.4	1.62	.....	3.9
1-18	do	3.3	1.33	.....	4.4
2-13	do	3.3	1.75	.....	5.8
2-28	do	2.8	1.75	.....	4.9
3-7	do	2.7	1.78	.....	4.8
3-28	do	3.4	1.32	.....	4.5
4-2	do	4.5	1.27	.....	5.8
4-26	do	3.4	1.79	.....	6.1
5-15	do	3.4	1.41	.....	4.8
5-22	do	3.0	1.70	.....	5.1
6-14	do	3.4	1.11	.....	3.8
6-26	do	3.1	1.45	.....	4.5
7-19	do	3.2	1.85	.....	5.9
7-23	do	3.5	2.50	.....	9.0
9-6	do	3.9	1.44	.....	5.6
9-27	do	2.0	.66	.....	1.0
10-3	do	3.0	1.72	.....	5.0
11-14	do	4.0	1.28	.....	5.0
11-29	do	3.0	1.30	.....	4.0
12-16	do	3.0	1.45	.....	5.0

SAND CREEK
One-half Mile East of Callaway

4-9	A. E. Johnston	1.8	1.33	.....	2.4
5-15	do	3.4	1.41	.....	4.8

SCHLAGEL CREEK
Sec. 24-33-28 W.

1-28	A. E. Johnston	5.0	1.65	.....	8.3
3-18	do	5.5	1.87	.....	10.3
5-6	do	6.7	1.81	.....	12.1
5-31	do	9.5	1.62	.....	15.4
9-14	do	7.6	1.60	.....	12.2
10-15	do	7.0	1.49	.....	10.0
12-6	do	8.0	1.63	.....	13.0

SCHOOL CREEK
Orleans

7-13	C. E. Franklin	0.1	0.56	.....	0.5

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

SCOTTSBLUFF DRAIN
Sec. 25-22-54 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-19	A. W. Hall	8.0	1.90	——	15.2
2-6	C. E. Franklin	3.8	1.86	——	7.1
2-15	A. W. Hall	9.5	1.52	——	14.4
2-25	C. E. Franklin	5.2	1.48	——	7.7
3-16	do	5.0	1.70	——	8.5
5-7	A. W. Hall	6.4	1.36	——	8.7
5-23	do	9.3	1.33	——	12.4
7-5	do	10.5	1.48	——	15.5
7-17	do	17.6	.98	——	17.3
8-14	do	17.3	1.37	——	23.8
10-8	do	13.0	1.81	——	23.0
11-8	A. E. Johnston	11.0	1.91	——	21.0
12-4	C. E. Franklin	12.0	1.33	——	16.0
12-19	A. E. Johnston	12.0	1.58	——	19.0

SHEEP CREEK
Sec. 21-23-57 W.

1-10	C. E. Franklin	28.2	2.70	3.20	77.0
1-29	do	27.8	2.98	3.25	82.9
2-15	A. W. Hall	25.9	3.14	3.10	81.2
3-2	C. E. Franklin	28.4	2.68	3.22	76.3
3-19	do	26.8	3.04	3.00	81.6
5-9	A. W. Hall	35.5	2.26	3.10	80.3
5-22	do	26.0	3.12	2.80	81.0
6-13	do	23.8	3.56	2.50	84.9
7-3	do	4.0	.92	1.20	3.7
8-16	do	4.6	2.26	——	10.4
9-14	do	35.2	3.24	3.70	114.1
10-10	do	37.0	3.18	——	117.0
11-6	A. E. Johnston	40.0	3.10	——	124.0
12-6	C. E. Franklin	32.0	.93	3.34	94.0
12-18	A. E. Johnston	35.0	2.50	——	88.0

SHELL CREEK
Sec. 12-17-3 E.

1-14	A. E. Johnston	21.0	2.07	——	43.5
3-21	do	37.7	1.62	——	61.1
4-15	do	30.2	1.55	——	46.8
5-10	do	25.3	1.69	——	42.8
6-6	do	26.2	1.81	——	47.5
7-8	do	22.8	1.84	——	42.0
9-21	do	25.0	.63	——	16.0
10-21	do	26.0	.65	——	17.0
11-20	do	19.0	1.00	——	19.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

SILVER CREEK
Sec. 6-15-3 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
1-12	A. E. Johnston	3.0	0.43	.....	1.3
2-1	do	5.7	1.17	.....	6.7
2-22	do	13.4	.39	.....	5.3
3-22	do	8.6	1.51	.....	13.0
4-12	do	11.3	1.16	.....	13.1
5-9	do	3.9	1.41	.....	5.5
6-5	do	12.0	1.04	.....	12.5
6-17	do	7.5	1.76	.....	13.2
7-6	do	6.2	1.11	.....	6.9
7-26	do	.1	5.50	.....	.8
9-20	do	1.0	.42	.....	.4
10-19	do	3.0	.91	.....	3.0
11-19	do	3.0	1.11	.....	3.0

SILVERNAIL DRAIN
Sec. 6-19-49 W.

1-2	A. E. Johnston	4.6	1.32	.....	6.1
1-18	A. W. Hall	5.3	1.65	.....	8.8
2-4	C. E. Franklin	4.4	1.29	.....	5.0
2-16	A. E. Johnston	4.4	1.91	.....	8.4
2-26	C. E. Franklin	3.2	1.00	.....	3.2
3-14	do	4.0	1.52	.....	6.1
4-1	A. E. Johnston	4.4	1.25	.....	5.5
4-6	A. W. Hall	6.1	1.39	.....	8.5
5-4	do	3.9	1.18	.....	4.6
6-10	do	6.8	1.00	.....	6.8
6-17	A. E. Johnston	7.5	1.76	.....	13.2
6-24	A. W. Hall	7.5	1.29	.....	9.7
7-15	do	7.0	1.75	.....	12.3
7-22	A. E. Johnston	11.2	2.06	.....	23.5
8-12	C. E. Franklin	6.8	1.72	.....	11.7
9-12	A. W. Hall	10.0	2.00	.....	20.0
10-7	A. E. Johnston	6.0	1.70	.....	10.0
12-9	C. E. Frankln	5.0	1.51	.....	8.0
12-13	A. W. Hall	7.0	1.72	.....	12.0

SKUNK CREEK
Sec. 1-14-37 W.

1-4	A. E. Johnston	2.3	1.48	.....	3.4
2-5	do	2.5	1.84	.....	4.6
2-12	do	2.6	1.92	.....	5.0
3-7	do	3.0	2.23	.....	6.7
3-27	do	3.7	1.51	.....	5.6
4-3	do	2.5	1.84	.....	4.6
5-21	do	2.2	1.32	.....	2.9
6-26	do	.3	.45	.....	.2
7-18	do	.7	.83	.....	.6
10-3	do	1.0	1.54	.....	2.0
11-14	do	2.0	1.94	.....	4.0
11-29	do	2.0	1.71	.....	3.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

SNAKE CREEK
Sec. 8-24-48 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-21	A. E. Johnston	——	——	——	0.0
3-11	do	2.5	0.24	——	.6
4-29	do	28.2	.74	——	21.0
5-27	do	12.8	.43	——	5.5
6-22	do	——	——	——	1.0
9-10	do	——	——	——	.0
10-8	do	——	——	——	.0
12-3	do	——	——	——	.0

SNAKE RIVER
Sec. 9-31-30 W.

1-26	A. E. Johnston	119.8	1.92	——	230.5
3-17	do	119.0	2.56	——	306.0
5-4	do	88.0	3.40	——	298.0
5-31	do	102.0	3.26	——	333.0
9-13	do	99.3	3.08	——	306.3
10-15	do	85.0	3.12	——	265.0
12-6	do	93.0	2.97	——	276.0

SNELL AND NINE MILE DRAINS
Sec. 25-21-53 W.

1-19	A. W. Hall	44.2	2.06	——	91.1
2-5	C. E. Franklin	55.1	3.15	——	174.9
2-28	do	45.5	2.75	——	125.0
3-15	do	58.0	1.90	——	110.0
5-6	A. W. Hall	43.0	2.28	1.45	98.0
5-24	do	48.0	2.66	1.55	128.0
6-11	do	46.0	2.91	2.65	134.0
7-5	do	63.0	2.52	3.10	159.0
7-16	do	85.0	2.58	2.42	218.0
8-14	do	61.0	3.17	2.45	195.0
10-8	do	79.0	2.48	2.50	196.0
11-8	A. E. Johnston	53.0	3.20	2.60	169.0
12-4	C. E. Franklin	66.0	1.68	2.10	111.0
12-19	A. E. Johnston	50.0	2.94	——	147.0

SOLDIER CREEK
Sec. 19-31-52 W.

1-22	A. E. Johnston	3.2	1.65	——	5.3
3-12	do	3.5	1.85	——	6.5
5-1	do	7.0	1.55	——	10.8
5-28	do	3.7	1.32	——	4.9
6-20	do	3.3	1.21	——	4.0
9-10	do	2.0	1.47	——	2.8
10-10	do	3.0	1.52	——	4.0
12-4	do	5.0	1.36	——	7.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

SOW BELLY CREEK
Sec. 33-33-55 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-20	A. E. Johnston	1.4	2.06	.....	2.9
10-10	do	3.0	.81	.....	2.0

SPOTTED TAIL CREEK, DRY
Sec. 28-23-56 W.

1-9	C. E. Franklin	15.8	1.80	0.40	28.5
1-29	do	14.7	2.07	1.40	30.4
2-15	A. W. Hall	14.6	2.04	.45	30.0
3-2	C. E. Franklin	15.2	1.50	.....	22.8
3-19	do	17.1	1.67	.....	28.6
5-7	A. W. Hall	18.9	2.12	.90	40.0
6-3	do	3.2	3.56	1.50	114.0
7-2	do	33.7	2.10	1.38	70.5
7-18	do	32.1	2.41	1.40	78.0
8-15	do	30.7	3.01	1.00	92.5
9-14	do	38.6	3.00	1.10	115.8
10-9	do	32.0	2.12	.....	67.0
11-6	A. E. Johnston	26.0	1.88	.20	49.0
12-5	C. E. Franklin	24.0	1.54	.....	37.0
12-18	A. E. Johnston	22.0	1.63	.....	36.0

SPOTTED TAIL CREEK, WET
Sec. 10-23-56 W.

5-23	A. E. Johnston	4.4	1.70	.....	7.5

SPOTTED TAIL CREEK, WET AND KRONBERG SEEP
Sec. 1-22-56 W.

1-7	C. E. Franklin	8.2	1.61	0.55	13.2
1-29	do	7.8	1.48	.....	11.5
2-6	do	12.1	1.07	.....	13.0
2-15	A. W. Hall	11.5	1.63	.....	18.8
3-2	C. E. Franklin	7.4	1.13	.....	8.4
3-18	do	17.5	1.08	.....	19.0
5-7	A. W. Hall	11.5	1.18	1.10	13.6
5-22	do	8.7	.....	.....	9.9
7-18	do	12.2	1.44	.....	17.6
8-15	do	10.6	1.35	.....	14.3
10-9	do	12.0	1.61	.85	19.0
11-7	A. E. Johnston	10.0	1.50	.70	15.0
12-5	C. E. Franklin	9.0	1.22	.....	11.0
12-19	A. E. Johnston	15.0	1.68	.....	25.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

SPRING CREEK
Sec. 9-34-18 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-18	A. E. Johnston	11.1	1.98	.....	22.0
5-6	do	9.8	1.71	.....	16.8
9-17	do	5.2	2.46	.....	12.8
10-16	do	6.0	1.67	.....	10.0

SPRING CREEK
Sec. 35-9-20 W.

3-25	A. E. Johnston	4.3	1.72	.....	7.4

SPRING CREEK
Tributary to Little Cottonwood

3-12	A. E. Johnston	2.2	1.18	.....	2.6
5-1	do	5.8	.45	.....	2.6
5-29	do	2.1	1.14	.....	2.4
6-21	do	2.7	.22	.....	.6
9-11	do	3.7	.40	.....	1.5
10-11	do	3.0	.68	.....	2.0
12-4	do	4.0	1.13	.....	4.0

SPRING CREEK
Callaway

10-25	A. E. Johnston	1.0	0.91	.....	1.0

SQUAW CREEK
Sec. 12-31-52 W.

4-30	A. E. Johnston	1.3	1.08	.....	1.4
5-28	do	2.2	.95	.....	2.1
6-20	do	.7	.71	.....	.5
9-10	do	1.8	.91	.....	1.7
10-11	do	.8	1.00	.....	.8
12-4	do	2.0	1.36	.....	2.0

SQUAW CREEK
Sec. 1-31-52 W.

4-30	A. E. Johnston	0.4	0.50	.....	0.2
5-28	do	.9	.55	.....	.5
6-20	do	1.0	.70	.....	.7
9-10	do	5.0	.80	.....	4.0
10-11	do	2.0	.24	.....	.5
12-4	do	1.0	1.00	.....	1.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

STEWARTS DRAIN
Sec. 13-23-57 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-9	C. E. Franklin	1.8	0.94	——	1.7
1-29	do	2.7	.70	——	1.9
2-15	do	.9	1.33	——	1.2
3-2	do	2.3	.74	——	1.7
3-19	do	.8	.57	——	.5
5-9	A. W. Hall	1.0	1.00	——	1.0
5-22	do	1.2	.50	——	.6
7-3	do	.7	.86	——	.6
7-19	do	——	——	——	.5
8-15	do	1.2	1.19	——	1.4
9-14	do	1.0	1.00	——	1.0
10-9	do	——	——	——	.0
11-6	A. E. Johnston	2.0	.93	——	1.0
12-6	C. E. Franklin	2.0	1.06	——	2.0
12-18	A. E. Johnston	3.6	.96	——	3.4

STINKING WATER CREEK
Sec. 25-5-34 W.

1-19	C. E. Franklin	28.5	1.71	——	48.9
2-18	do	11.0	1.51	——	16.6
3-8	do	39.9	1.94	——	77.6
3-21	do	40.0	1.95	——	77.8
5-12	do	46.0	1.15	——	53.0
5-30	do	83.5	.49	——	41.5
6-12	do	89.7	2.32	——	208.0
6-28	do	125.0	.25	——	25.0
7-12	do	16.5	1.31	——	22.0
8-3	do	16.3	1.36	——	22.3
8-10	do	15.7	1.27	——	20.0
9-25	do	20.5	1.10	——	22.6
11-17	do	31.0	1.61	——	50.0
11-28	do	38.0	1.26	——	48.0
12-17	do	43.0	1.07	——	46.0
12-30	do	67.0	.46	——	31.0

STREVER CREEK
Sec. 15-10-22 W.

3-25	A. E. Johnston	5.4	1.35	——	7.3

STREVER CREEK
Sec. 14-9-21 W.

10-28	A. E. Johnston	6.0	0.95	——	6.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

STREVER CREEK
Sec. 1-8-19 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-28	A. E. Johnston	16.0	0.99	.....	16.0
11-18	do	4.0	2.28	.....	9.0
11-26	do	6.0	1.20	.....	8.0
12-12	do	7.0	.94	.....	7.0

THOMPSON CREEK
Sec. 2-1-13 W.

4-18	A. E. Johnston	12.6	2.02	.....	25.6
7-12	do	11.2	1.45	.....	16.3

TIMBER CREEK, BIG
Sec. 32-1-37 W.

1-22	C. E. Franklin	2.0	0.75	.....	1.5
2-20	do	1.6	.56	.....	.9
3-10	do	1.6	.69	.....	1.1
3-23	do	1.4	.78	.....	1.1
5-15	do	1.4	.78	.....	1.1
6-1	do	2.0	.80	.....	1.6
6-13	do	.....	.....	.....	.8
6-30	do	1.8	.83	.....	1.5
7-14	do	.7	1.29	.....	.7
8-7	do	1.4	.70	.....	.9
8-20	do	.....	.....	.....	.5
8-29	do	.....	.....	.....	.8
9-28	do	.....	.....	.....	1.0
11-21	do	2.0	.69	.....	1.0
11-30	do	2.0	.81	.....	1.0
12-25	do	.....	.....	.....	.8

TOOHEY DRAIN
Sec. 20-23-56 W.

1-9	C. E. Franklin	2.1	1.05	.....	2.2
1-29	do	.8	.84	.....	.7
2-15	A. W. Hall	1.8	1.22	.....	2.2
3-2	C. E. Franklin	1.6	1.31	.....	2.1
3-19	do	5.8	.79	.....	4.6
5-9	A. W. Hall	3.9	1.03	.....	4.0
5-22	do	1.3	1.08	.....	1.4
7-3	do	3.2	1.10	.....	3.5
7-18	do	3.1	1.27	.....	3.9
8-15	do	5.1	1.18	.....	6.1
10-9	do	3.0	1.24	.....	4.0
11-6	A. E. Johnston	6.0	1.24	.....	8.0
12-5	C. E. Franklin	3.0	1.54	.....	4.0
12-18	A. E. Johnston	4.6	1.06	.....	4.9

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

TOOHEY SPILLWAY
Sec. 19-23-56 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-9	C. E. Franklin	4.4	5.69	.....	25.4
1-29	do	3.0	5.30	.....	16.1
2-15	A. W. Hall	30.4	1.03	4.50	31.3
3-2	C. E. Franklin	4.2	3.67	.....	15.3
3-19	do	6.6	4.70	.....	31.0
5-9	A. W. Hall	15.8	.81	4.50	12.8
5-22	do	.....	.....	.....	.0
7-3	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-15	do	.....	.....	.....	.0
10-9	do	21.0	1.41	4.85	30.0
11-6	A. E. Johnston	19.0	1.31	.....	25.0
12-6	C. E. Franklin	19.0	.84	.....	16.0
12-18	A. E. Johnston	17.0	1.23	.....	21.0

TRUNK BUTTE CREEK
Sec. 25-33-50 W.

6-21	A. E. Johnston	1.6	0.89	.....	1.4
9-11	do	3.6	.72	.....	2.6

TUB SPRINGS
Above Enterprise Canal

5-22	A. W. Hall	27.1	0.84	.....	22.7
6-12	do	34.7	1.25	.....	43.3
7-17	do	38.5	2.14	.....	82.2
8-15	do	33.1	1.88	.....	62.5

TUB SPRINGS
Sec. 8-22-55 W.

1-7	C. E. Franklin	21.2	2.02	.....	43.1
1-29	do	17.1	1.97	.....	33.7
2-6	do	23.7	1.51	.....	35.9
2-15	A. W. Hall	16.0	2.09	1.80	33.5
3-2	C. E. Franklin	17.5	1.94	.....	33.9
3-18	do	21.6	1.49	.....	32.3
5-7	A. W. Hall	15.0	1.08	.55	16.2
5-22	do	21.0	2.10	1.90	44.0
6-12	do	27.0	2.34	2.05	63.0
7-13	do	14.9	1.92	.....	28.7
7-17	do	24.7	2.45	.....	61.0
8-15	do	14.4	1.60	.....	23.2
10-9	do	32.0	2.76	.....	89.0
11-7	A. E. Johnston	27.0	2.55	.....	69.0
12-5	C. E. Franklin	26.0	2.74	.....	71.0
12-19	A. E. Johnston	23.0	2.20	.....	51.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

TURKEY CREEK
Sec. 4-1-16 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-19	A. E. Johnston	16.0	1.69	——	27.1
7-12	do	20.0	1.75	——	35.0

TURKEY CREEK
Sec. 3-7-3 E.

11-22	A. E. Johnston	14.0	1.07	——	15.0

TURTLE CREEK
Sec. 36-20-15 W.

1-11	A. E. Johnston	0.7	1.05	——	0.7
4-11	do	2.4	1.50	——	3.6
7-3	do	1.6	.87	——	1.4

UNION CREEK
Below Mill at Madison

1-31	A. E. Johnston	66.5	1.17	——	77.9

VICTORIA CREEK
Sec. 1-19-21 W.

1-10	A. E. Johnston	13.6	1.36	——	18.5
3-1	do	8.6	2.10	——	18.1
4-10	do	13.0	.96	——	12.5
5-15	do	13.9	.79	——	11.0
7-2	do	10.9	.96	——	10.5
9-26	do	——	——	——	.0
9-26	do	10.0	.77	——	8.0
10-25	do	7.0	1.43	——	10.0
11-25	do	9.0	1.11	——	10.0
12-9	do	9.0	1.11	——	10.0

WAHOO CREEK
Sec. 35-13-9 E.

4-16	A. E. Johnston	49.1	1.17	——	57.5
5-13	do	76.2	1.21	——	92.6
7-9	do	91.9	.90	——	83.3
9-23	do	58.0	.74	——	43.0
10-22	do	34.0	.22	——	8.0
11-21	do	57.0	.39	——	21.0

WHISTLE CREEK
Sec. 12-28-54 W.

6-19	A. E. Johnston	——	——	——	0.0
10-9	do	——	——	——	.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

WHITE CLAY CREEK
Sec. 2-31-52 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-22	A. E. Johnston	3.5	1.29	.....	4.5
3-12	do	6.4	1.81	.....	11.6
4-30	do	7.1	1.00	.....	7.1
5-28	do	6.5	.95	.....	6.2
6-20	do	5.6	.80	.....	4.5
9-10	do	3.5	.91	.....	3.2
10-11	do	3.0	1.06	.....	4.0
12-4	do	4.0	1.39	.....	5.0

WHITE HORSE CREEK
Sec. 5-13-29 W.

1-7	A. E. Johnston	12.7	1.35	.....	17.1
1-17	do	14.8	.87	.....	12.8
2-20	do	12.6	1.34	.....	17.0
3-5	do	26.4	1.39	.....	36.7
3-26	do	23.0	1.72	.....	39.6
4-5	do	28.5	1.16	.....	32.1
4-23	do	25.3	.78	.....	19.8
5-18	do	30.0	.39	.....	11.8
6-11	do	28.7	.45	.....	12.8
6-28	do	6.4	1.25	.....	8.0
7-17	do	5.6	1.56	.....	8.8
8-12	do	4.1	1.19	.....	4.8
8-29	do	35.2	.78	.....	27.8
9-4	do	19.7	.57	.....	11.2
10-1	do	17.0	.47	.....	8.0
11-16	do	13.0	.92	.....	12.0
11-27	do	10.0	.80	.....	8.0
12-12	do	19.0	1.10	.....	21.0

WHITE RIVER
Sec. 9-31-52 W.

1-22	A. E. Johnston	18.1	1.52	.....	27.6
3-12	do	25.0	1.89	.....	47.3
5-1	do	25.2	1.95	.....	49.0
5-28	do	22.1	1.74	.....	38.5
6-20	do	18.4	1.37	.....	25.3
9-10	do	17.0	1.74	.....	30.0
10-10	do	16.0	1.59	.....	25.0
12-4	do	17.0	1.88	.....	32.0

WHITE RIVER
Below Whitney Diversion Dam

12-4	A. E. Johnston	10.0	1.10	.....	11.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

WHITE RIVER
Sec. 26-32-52 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-23	A. E. Johnston	20.6	1.71	——	35.3
3-12	do	14.2	5.35	——	76.1
5-1	do	35.2	1.93	——	67.8
5-29	do	27.0	2.26	——	61.1
6-21	do	15.1	1.94	——	29.2
9-11	do	15.5	1.63	——	25.5
10-11	do	14.0	1.45	——	20.0
12-4	do	13.0	3.20	——	42.0

WHITE RIVER
Sec. 26-32-52 W.

1-23	A. E. Johnston	——	——	——	0.0
3-12	do	35.0	1.10	——	58.7
5-1	do	46.9	1.17	——	54.9
5-29	do	42.6	.94	——	40.1
6-21	do	6.7	.72	——	4.6
9-11	do	1.5	1.42	——	2.1
10-11	do	5.0	1.08	0.75	6.0
12-4	do	11.0	3.64	——	40.0

WHITE RIVER
Sec. 18-33-49 W.

1-23	A. E. Johnston	8.4	1.31	——	11.0
3-12	do	44.2	2.24	——	98.8
5-1	do	39.3	1.82	——	71.6
5-29	do	48.8	2.60	——	102.7
6-21	do	14.7	1.60	——	23.6
9-11	do	24.3	1.48	——	36.0
10-11	do	18.0	1.43	——	26.0
12-4	do	13.0	1.48	——	18.0

WHITE TAIL CREEK
Sec. 36-15-38 W.

1-4	A. E. Johnston	14.4	2.30	2.20	33.0
1-18	do	15.6	1.85	2.15	28.8
3-7	do	16.7	1.68	2.20	28.1
3-27	do	16.7	2.06	1.85	34.3
4-3	do	18.3	2.08	1.85	38.0
4-25	do	16.0	2.18	1.70	34.9
5-21	do	16.0	1.87	1.70	30.0
6-13	do	14.9	1.81	1.55	27.0
6-26	do	9.1	1.59	1.30	14.5
7-18	do	10.8	1.47	1.20	15.9
7-23	do	16.2	1.87	1.50	30.3

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Continued

WHITE TAIL CREEK—Continued

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
9-5	A. E. Johnston	14.7	2.30	1.50	34.0
10-3	do	14.0	2.17	2.15	30.0
11-14	do	15.0	2.33	——	35.0
11-29	do	15.0	2.31	——	35.0

WILD HORSE DRAIN
Sec. 12-20-52 W.

1-19	A. W. Hall	15.9	1.86	0.95	29.6
2-4	C. E. Franklin	19.5	1.23	.92	24.0
2-26	do	14.4	1.54	——	22.2
3-15	do	20.8	1.50	.90	31.2
4-6	A. W. Hall	16.5	1.55	.90	25.5
5-4	do	16.8	1.31	.90	22.1
5-24	do	17.2	1.62	——	27.9
6-12	do	26.1	1.40	.95	35.2
7-17	do	19.7	1.52	.95	30.1
8-13	do	36.3	2.31	1.70	84.1
9-16	do	42.6	2.36	1.15	100.6
10-7	do	29.0	1.86	1.65	55.0
12-10	A. E. Johnston	23.0	1.57	——	36.0
12-13	do	22.0	1.73	1.15	38.0
12-19	C. E. Franklin	23.0	2.18	——	50.0

WILLOW CREEK
Sec. 15-14-35 W.

1-5	A. E. Johnston	1.0	1.70	——	1.7
1-18	do	.8	1.50	——	1.2
2-12	do	1.2	1.33	——	1.6
3-6	do	1.9	1.21	——	2.3
3-27	do	1.0	1.45	——	1.5
4-3	do	.7	1.43	——	1.0
4-25	do	1.9	1.37	——	2.6
5-21	do	1.3	1.39	——	1.8
6-13	do	.7	1.00	——	.7
6-27	do	1.0	.90	——	.9
7-18	do	.7	1.38	——	.9
7-24	do	.1	8.13	——	1.2
7-31	do	.9	1.25	——	1.2
8-13	do	.8	1.12	——	.9
8-28	do	.8	.99	——	.8
9-5	do	1.3	1.38	——	1.8
10-2	do	.7	1.43	——	1.0
11-15	do	1.0	1.08	——	1.0
11-29	do	1.0	1.15	——	2.0
12-14	do	1.0	1.00	——	1.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1929—Concluded

WILLOW CREEK
West of Long Pine

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-3	A. E. Johnston	3.5	1.97	——	1.0

WINTERS CREEK
Sec. 19-23-54 W.

6-12	A. W. Hall	30.7	2.20	——	67.4
7-5	do	52.2	1.66	——	86.9
7-17	do	32.2	2.59	——	83.7
8-14	do	51.7	1.84	——	95.1
8-27	do	48.4	2.37	——	115.0

WINTERS CREEK
Sec. 19-22-54 W.

1-19	A. W. Hall	28.7	1.19	0.95	34.1
2-6	C. E. Franklin	29.0	1.89	——	54.9
2-15	A. W. Hall	22.2	2.40	.90	53.5
2-25	C. E. Franklin	27.0	2.37	——	64.2
3-16	do	24.6	2.29	——	56.4
5-7	A. W. Hall	23.9	1.98	.80	47.3
6-12	do	14.2	1.03	.30	14.6
7-5	do	14.6	1.90	.20	27.8
7-17	do	37.5	2.70	.90	102.0
8-14	do	23.2	1.76	.50	41.0
8-27	do	24.6	2.31	1.05	57.0
10-8	do	42.0	2.21	——	92.0
11-8	A. E. Johnston	42.0	2.07	1.25	87.0
12-4	C. E. Franklin	31.0	2.20	——	68.0
12-19	A. E. Johnston	31.0	1.77	——	55.0

WOOD RIVER
Sec. 12-9-16 W.

4-9	A. E. Johnston	10.6	0.61	——	6.5
5-16	do	10.5	.95	——	9.4
7-1	do	9.6	.39	——	3.7
9-28	do	5.0	.87	——	4.0
10-26	do	2.0	.82	——	1.0
11-26	do	4.0	.47	——	2.0

WOOD RIVER
Wood River

1-16	A. E. Johnston	——	——	——	0.0
2-2	do	——	——	——	.0
2-22	do	——	——	——	.0

SAND HILL LAKES
GAGE HEIGHT RECORDS SHOWING RISE AND FALL OF WATER SURFACE
Year of 1929.

CARNINE LAKE
Sec. 2-22-50 W.

DATE	HYDROGRAPHER	GAGE
1-21	A. E. Johnston	13.00
3-11	do	13.10
4-30	do	14.80
5-27	do	13.60
6-22	do	12.40
9-10	do	12.20
10-8	do	11.95
12-2	do	12.20

LAKE ELI
Sec. 12-34-36 W.

1-25	A. E. Johnston	10.90
3-16	do	11.30
5-3	do	11.40
5-30	do	11.35
9-12	do	10.50
10-14	do	10.45
12-5	do	10.75

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930

ANTELOPE CREEK
Main Street of Gordon

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-21	A. E. Johnston	3	1.37	.....	4.0
5-15	do	11	1.41	.....	15.4
9-5	do	0	.40	.....	.2

ARAPAHOE STAR MILL WASTE
Arapahoe—Sec. 27-4-23 W.

2-7	C. E. Franklin	107	0.69	.....	74.0
2-25	do	100	.73	.....	73.0

ARICKAREE RIVER
Haigler—Sec. 28-1-41 W.

1-4	C. E. Franklin	20	1.43	.....	29.3
2-8	do	37	1.49	.....	56.0
2-27	do	14	1.36	.....	18.9
3-13	do	11	.94	.....	10.2
3-25	do	15	.81	.....	12.5
4-23	do	7	1.08	.....	7.9
4-30	do	24	1.02	.....	24.6
5-20	do	39	1.30	.....	51.5
6-5	do	67	1.80	.....	120.0
6-24	do	20	1.28	.....	25.9
7-16	do	13	1.16	.....	15.6
8-1	do	23	1.39	.....	32.6
8-14	do	27	1.31	.....	35.4
8-30	do	9	.82	.....	7.4
9-12	do	18	1.00	.....	18.0
9-26	do	7	2.52	.....	18.9
10-16	do	12	1.28	.....	16.1
11-1	do	8	1.00	.....	8.0
11-15	do	10	1.00	.....	10.3
12-6	do	21	1.35	.....	28.0

ARNOLD DRAIN
Sec. 12-24-61 W.

1-14	A. E. Johnston	10	1.56	.....	15.0
2-18	do	5	2.20	.....	12.0
12-6	do	5	1.85	.....	8.9

ASH CREEK, WEST
Sec. 24-32-51 W.

8-6	A. W. Hall	1	0.47	.....	0.3

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

ASH CREEK
Sec. 7-32-50 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
2-22	A. E. Johnston	7	0.97	.....	6.7
3-20	do	6	1.39	.....	8.3
9-4	do	2	1.51	.....	3.6
9-29	do	2	1.05	.....	1.9
11-1	do	4	1.02	.....	4.3

AUSTIN CREEK
Sec. 28-4-6 W.

3-5	A. E. Johnston	1	0.36	.....	0.4
4-28	do	.....	.....	.....	.5
9-15	do	7	2.08	.....	14.1
10-15	do	.....	.....	.....	.5
11-22	do	5	2.40	.....	11.5

BALD SEEP
Sec. 32-23-56 W.

6-11	A. W. Hall	3	1.18	.....	3.9

BAYARD SUGAR FACTORY DRAIN
Sec. 34-21-52 W.

1-10	A. E. Johnston	12	3.30	.....	40.0
2-14	do	12	3.30	.....	39.0
3-25	A. W. Hall	8	3.50	.....	29.0
5-14	do	11	3.62	.....	40.0
5-31	do	12	3.68	.....	46.0
7-14	do	20	2.81	.....	55.0
8-18	do	17	4.50	.....	75.0
8-25	do	12	4.15	.....	51.0
9-23	do	18	4.10	.....	75.0
10-5	C. E. Franklin	20	4.21	.....	85.6
10-24	do	14	4.28	.....	61.7
11-4	do	14	4.85	.....	70.0
11-19	do	14	5.35	.....	77.0
12-4	A. E. Johnston	14	3.77	.....	54.0

BAZILE CREEK
Sec. 4-29-5 W.

1-2	A. E. Johnston	13	1.69	.....	22.0
6-16	do	18	1.46	.....	26.0
12-18	do	12	1.82	.....	23.0

BEAR CREEK
Beatrice

11-22	A. E. Johnston	3	1.97	.....	6.7

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

BEAR CREEK
Sec. 25-34-36 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-24	A. E. Johnston	28	1.46	.....	40.0
3-21	do	22	2.15	.....	48.0
5-16	do	61	1.93	.....	118.0
9-6	do	6	1.44	.....	9.0

BEAUTY CREEK
Sec. 31-2-14 W.

4-30	A. E. Johnston	1	1.98	.....	2.3
6-20	do	.....	.....	.....	.5
9-16	do	.....	.....	.....	.0
10-16	do	.....	.....	.....	.5
11-24	do	1	1.00	.....	1.0

BEAVER CREEK
Lebanon

10-17	A. E. Johnston	79	1.19	.....	94.0

BEAVER CREEK
Sec. 22-2-23 W.

10-17	A. E. Johnston	121	2.25	.....	273.0

BEAVER CREEK
Sec. 10-2-21 W.

10-17	A. E. Johnston	183	1.64	.....	300.0

BEAVER CREEK
Sec. 19-2-19 W.

2-7	C. E. Franklin	6	0.92	.....	6.1
2-25	do	13	1.35	.....	18.2
3-11	do	15	1.33	.....	20.0
3-24	do	7	1.31	.....	9.8
4-21	do	74	.66	.....	49.3
5-6	do	79	1.13	.....	89.0
6-3	do	35	1.27	.....	44.0
6-21	do	117	1.38	.....	162.0
7-13	do	33	1.14	.....	37.0
8-12	do	10	1.40	.....	14.0
8-27	do	72	1.15	.....	83.0
9-24	do	22	.80	.....	18.0
10-15	do	585	1.78	.....	1043.0
10-17	A. E. Johnston	89	.16	.....	14.3
10-31	C. E. Franklin	46	1.82	.....	84.0
11-14	do	46	1.49	.....	69.0
12-5	do	60	1.23	.....	74.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

BEAVER RIVER
Sec. 15-20-6 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
2-28	A. E. Johnston	46	2.10	.....	97.0
3-26	do	48	1.93	.....	92.0
9-10	do	42	1.41	.....	59.0

BIRDWOOD CREEK
Sec. 2-14-33 W.

1-6	A. E. Johnston	87	2.55	1.75	222.0
1-24	do	68	1.98	2.85	134.0
2-10	do	73	2.94	2.00	215.0
3-11	do	86	2.13	1.85	184.0
4-11	do	71	2.46	.....	173.0
4-18	do	81	2.36	1.85	191.0
5-6	do	73	2.20	1.95	161.0
6-5	do	83	2.30	1.90	190.0
6-19	A. W. Hall	101	4.95	2.45	500.0
6-30	A. E. Johnston	77	2.23	1.87	172.0
7-5	do	75	2.06	1.90	155.0
7-10	do	78	2.30	1.90	179.0
7-11	do	65	2.00	1.75	129.0
7-14	do	71	2.26	1.85	159.0
7-16	do	69	2.29	1.80	158.0
7-18	do	80	2.29	1.95	183.0
7-22	do	71	2.14	1.80	153.0
7-26	do	67	2.19	1.84	147.0
7-28	do	74	2.17	1.90	161.0
8-1	do	76	2.20	1.86	167.0
8-4	do	77	2.48	1.98	191.0
8-5	do	64	2.13	1.73	137.0
8-6	do	66	1.99	1.68	131.0
8-7	do	65	2.27	1.85	148.0
8-9	do	74	2.36	1.94	175.0
8-12	do	75	2.36	1.95	177.0
8-26	do	79	2.18	1.95	173.0
9-22	do	77	2.18	2.00	168.0
10-3	do	89	3.00	2.33	267.7
11-8	do	76	2.55	2.15	194.0
12-1	do	62	3.40	2.05	210.0

BIRDWOOD CREEK, EAST
Sec. 34-17-33 W.

5-7	Johnston and Willis	36	2.05	.....	74.0
6-5	A. E. Johnston	38	2.37	.....	91.0
7-11	do	35	2.10	.....	72.0
9-22	do	32	2.22	.....	71.0
11-8	do	4	1.13	0.40	5.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

BIRDWOOD CREEK, WEST
Sec. 12-16-34 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-7	Johnston and Willis	29	1.69	.....	50.0
6-5	A. E. Johnston	30	1.94	.....	59.0
7-11	do	29	1.79	.....	52.0
9-22	do	26	1.88	.....	49.0

BIRDWOOD CREEK
Sec. 10-15-33 W.

5-6	A. E. Johnston	92	1.71	.....	157.0
6-5	do	106	1.85	.....	195.0
7-11	do	94	1.65	.....	154.0

BLUE CREEK
Sec. 33-17-42 W.

7-11	A. W. Hall	51	2.07	.....	106.0

BLUE CREEK
Sec. 30-16-42 W.

1-7	A. E. Johnston	45	1.55	1.60	70.0
1-23	do	55	1.87	2.00	104.0
2-11	do	57	2.44	2.60	138.0
3-12	do	54	2.32	2.25	126.0
4-12	do	49	2.13	.....	104.0
4-17	do	77	2.49	.....	192.0
5-9	do	53	2.16	2.20	115.0
6-3	do	55	2.06	2.05	113.0
6-18	do	1	.50	.80	.4
7-5	A. W. Hall	13	1.32	1.05	18.0
7-11	do	10	1.38	.....	14.0
7-16	do	21	1.65	1.20	34.0
7-23	A. E. Johnston	34	1.99	1.40	67.0
8-4	A. W. Hall	4	1.30	.85	4.8
8-9	A. E. Johnston	1	.19	.61	.2
8-19	A. W. Hall	29	1.51	1.55	44.0
8-28	A. E. Johnston	40	2.30	1.83	93.0
9-24	do	19	1.66	1.22	31.4
10-28	do	49	2.30	2.20	113.0
11-7	do	54	2.37	2.20	128.0
12-2	do	63	1.96	2.30	123.0

BLUE RIVER, BIG
Sec. 4-3-6 E.

3-5	A. E. Johnston	182	1.95	7.70	355.0
4-1	do	144	.97	7.20	139.0
6-19	do	821	.98	7.80	802.0
9-15	do	67	1.13	6.65	755.0
10-15	do	77	2.12	6.95	163.0
11-22	do	828	1.27	7.60	1052.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

BLUE RIVER, LITTLE
Sec. 6-2-2 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-6	A. E. Johnston	62	2.23	.....	140.0
4-2	do	70	2.08	.....	146.0
4-29	do	121	2.07	.....	250.0
6-20	do	569	3.00	.....	1708.0
9-16	do	67	1.95	.....	131.0
10-16	do	76	2.22	.....	169.0
11-24	do	154	2.29	.....	353.0

BLUE RIVER, LITTLE
Sec. 15-2-2 E.

3-5	A. E. Johnston	98	1.60	.....	156.0
4-2	do	101	1.74	.....	175.0
4-28	do	126	1.92	.....	241.0
6-20	do	442	2.51	.....	1109.0
9-15	do	99	1.54	.....	153.0
10-15	do	93	1.45	.....	135.0
11-24	do	151	2.01	.....	304.0

BLUE RIVER, LITTLE
Endicott
U. S. G. S. Station

1-9	Campbell and LeFever	.....	.....	.....	78.0
3-1	D. S. Jenkins	90	.....	0.76	139.0
3-27	F. F. LeFever	87	.....	.69	129.0
5-5	do	535	.....	4.55	1410.0
5-29	do	177	.....	1.42	261.0
7-8	H. P. Eisenhuth	134	.....	1.07	194.0
		New Section			
7-31	H. P. Eisenhuth	90	.....	0.33	109.0
8-11	do	59	.....	.21	90.0
8-27	D. S. Jenkins	87	.....	.65	131.0
9-15	R. E. Cabell	85	.....	.83	161.0

BOONE CREEK
Sec. 25-30-22 W.

5-17	A. E. Johnston	10	1.43	.....	15.0

BORDEAUX CREEK, BIG
Sec. 14-33-48 W.

2-22	A. E. Johnston	6	0.95	.....	6.1
3-20	do	5	1.04	.....	5.4
5-14	do	8	.92	.....	7.6
9-5	do	5	.83	.....	4.3
9-29	do	5	.60	.....	3.3
11-3	do	12	.29	.....	3.5

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

BORDEAUX CREEK, LITTLE
Sec. 29-33-47 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-5	A. E. Johnston	6	1.20	.....	7.2
9-5	do	6	1.20	.....	7.2
11-3	do	11	.86	.....	9.6

BORDEAUX CREEK, LITTLE
Sec. 13-33-48 W.

2-22	A. E. Johnston	6	0.83	.....	5.4
3-20	do	7	1.06	.....	7.5
5-14	do	5	1.57	.....	7.8
9-5	do	3	1.13	.....	3.8
9-29	do	2	.91	.....	2.0
11-3	do	5	1.15	.....	5.5

BRIDGEPORT SLOUGH
Sec. 32-20-50 W.

5-1	A. W. Hall	2	0.60	.....	0.9
5-26	do	4	.80	.....	3.2

BRIDGEPORT SLOUGH
Sec. 4-19-50 W.

5-1	A. W. Hall	1	0.50	.....	0.7

BUFFALO CREEK
Sec. 20-1-40 W.

1-4	C. E. Franklin	7	1.90	.....	12.9
2-8	do	8	1.72	.....	13.4
2-27	do	7	1.37	.....	9.3
3-13	do	10	1.68	.....	16.6
3-25	do	8	1.76	.....	14.1
4-23	do	9	1.98	.....	18.6
5-7	do	6	1.71	.....	10.1
5-20	do	9	1.81	.....	15.5
6-5	do	6	1.38	.....	8.8
6-24	do	6	1.03	.....	6.2
7-16	do	7	1.50	.....	10.1
8-1	do	10	1.40	.....	14.0
8-14	do	9	1.93	.....	17.0
8-30	do	8	1.38	.....	10.5
9-12	do	7	1.50	.....	10.6
9-26	do	7	1.66	.....	11.3
10-16	do	7	1.81	.....	12.0
11-1	do	8	1.50	.....	12.7
11-15	do	9	1.15	.....	11.0
12-6	do	9	1.44	.....	14.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

BUFFALO CREEK
Sec. 33-9-18 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-4	A. E. Johnston	7	0.72	.....	5.4
4-22	do	24	1.22	.....	30.0
5-5	do	30	1.25	.....	38.0
5-21	do	32	1.41	.....	45.0
6-9	do	81	1.43	.....	116.0
6-23	do	126	1.97	.....	250.0
7-2	do	28	1.13	.....	32.0
7-8	do	20	.99	.....	20.0
7-15	do	15	.76	.....	12.0
7-16	do	17	.75	.....	13.0
7-20	do	11	.75	.....	8.4
7-30	do	22	1.33	.....	30.0
8-13	do	47	1.40	.....	66.0
8-21	do	52	1.50	.....	75.0
9-18	do	53	2.24	.....	119.0
10-7	do	102	1.53	.....	154.4
10-22	do	45	1.31	.....	59.0
11-13	do	26	.77	.....	19.7
11-26	do	32	.60	.....	19.3
12-11	do	22	.92	.....	20.4

BURTON CREEK
Sec. 19-34-19 W.

2-26	A. E. Johnston	6	1.82	.....	10.2
3-24	do	5	1.37	.....	7.1
9-8	do	2	.47	.....	.8

CACHE CREEK
Sec. 22-26-9 W.

2-27	A. E. Johnston	9	1.10	.....	9.5
3-25	do	5	1.33	.....	6.8
9-9	do	3	.81	.....	2.1
12-18	do	9	1.04	.....	9.5

CALAMUS RIVER
Sec. 22-23-18 W.

1-30	A. E. Johnston	94	2.38	.....	223.0
5-1	do	141	2.86	.....	403.0
5-17	do	107	2.78	.....	296.0
6-11	do	111	2.53	.....	282.0
8-15	do	98	2.28	.....	226.0
10-9	do	101	2.24	.....	226.0
11-15	do	97	2.70	.....	261.0
12-13	do	92	2.66	.....	245.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

CAMP CLARK SEEP
Sec. 9-20-51 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-15	A. E. Johnston	4	0.95	.....	4.1
2-14	do	4	1.41	.10	5.5
3-25	A. W. Hall	4	1.51	.30	4.6
4-8	do	2	.72	.10	1.7
4-22	do	2	.89	.....	1.8
5-14	do	1	1.36	.10	1.6
5-31	do	1	1.10	.....	1.5
7-14	do	2	1.50	.30	3.7
8-18	do	4	1.20	.30	4.5
8-25	do	5	1.52	.....	8.1
9-23	do	5	1.28	.....	6.4
10-6	C. E. Franklin	4	1.45	.....	6.1
10-24	do	3	1.00	.....	3.4
11-4	do	4	1.38	.....	5.0
11-17	do	3	1.53	.....	5.2
12-4	A. E. Johnston	5	1.10	.....	5.7

CEDAR CREEK
Sec. 11-18-48 W.

1-8	A. E. Johnston	17	0.88	.....	15.0
1-22	do	16	1.29	.....	20.0
2-12	do	13	1.70	.....	22.0
3-14	do	11	1.74	.....	19.0
4-15	do	8	1.68	.....	14.2
5-12	do	6	.75	.....	4.5
6-2	do	12	.98	.....	12.0
7-15	A. W. Hall	1	1.05	.....	1.1
8-29	A. E. Johnston	10	1.22	.....	12.1
9-26	do	12	1.55	.....	18.9
11-6	do	10	1.17	.....	12.0
12-3	do	11	1.66	.....	18.0

CEDAR BRANCH CREEK
Sec. 17-14-35 W.

1-6	A. E. Johnston	2	1.10	.....	2.0
2-10	do	2	1.36	.....	3.4
3-11	do	2	1.81	.....	2.9
4-11	do	2	1.52	.....	3.5
4-18	do	2	1.51	.....	3.3
5-8	do	2	1.55	.....	3.1
6-5	do	2	1.62	.....	2.5
6-30	do	1	1.48	.....	1.7
7-5	do	1	1.29	.....	1.9
7-10	do	1	1.42	.....	1.7
7-14	do	2	1.36	.....	2.4
7-22	do	1	1.63	.....	1.6
7-28	do	2	.87	.....	1.7

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

CEDAR BRANCH CREEK—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
8-2	A. E. Johnston	2	1.08	.....	2.1
8-4	do	1	1.00	.....	1.6
8-6	do	1	1.24	.....	1.7
8-7	do	1	1.50	.....	2.2
8-26	do	2	1.26	.....	2.4
9-22	do	1	1.33	.....	2.0
10-3	do	1	1.63	.....	1.8
10-27	do	2	1.39	.....	2.5
11-8	do	1	1.61	.....	2.1
12-1	do	2	1.40	.....	3.5

CEDAR RIVER
Sec. 8-18-7 W.

3-26	A. E. Johnston	145	1.31	.....	190.0

CEDAR RIVER
Sec. 11-16-6 W.

2-1	A. E. Johnston	107	1.82	.....	194.0
2-28	do	128	2.42	.....	309.0
3-26	do	119	2.10	.....	250.0
4-24	do	139	2.16	.....	299.0
6-12	do	151	1.92	.....	290.0
8-16	do	87	2.33	.....	203.0
9-10	do	169	3.18	.....	537.0
11-18	do	107	2.16	.....	232.0
12-16	do	195	1.51	.....	294.0

CENTER CREEK
Sec. 1-1-15 W.

3-7	A. E. Johnston	3	1.45	.....	4.5
4-3	do	4	1.27	.....	4.7
4-30	do	4	1.95	.....	8.7
6-21	do	5	1.32	.....	6.2
9-17	do	2	1.35	.....	2.7
10-17	do	3	.94	.....	3.1
11-25	do	3	1.33	.....	4.0

CHADRON CREEK NO. 1
One-half Mile above City Reservoir

2-22	A. E. Johnston	4	1.66	.....	6.0
3-20	do	3	1.61	.....	5.3
5-14	do	3	1.84	.....	6.3
8-6	A. W. Hall	2	.09	.....	1.7
9-5	A. E. Johnston	3	1.28	.....	3.6
9-27	do	2	1.04	.....	2.4
11-3	do	2	1.51	.....	3.8

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

CHADRON CREEK NO. 2
One Hundred Feet below City Reservoir

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-22	C. E. Franklin	2	0.79	.....	1.5
3-20	A. E. Johnston	2	.61	.....	.9
5-14	do	1	.67	.....	.4
8-6	A. W. Hall	.....	.....	.....	.0
9-5	A. E. Johnston	1	.40	.....	.2
9-27	do	0	.50	.....	.2
11-3	do	1	.72	.....	.5

CHADRON CREEK NO. 3
Station 36 of Pipe Line

2-22	A. E. Johnston	3	1.49	.....	4.2
3-20	do	1	1.03	.....	1.6
5-14	do	3	1.98	.....	6.1
9-5	do	.....	.....	.....	.0
9-27	do	.....	.....	.....	.0
11-3	do	1	1.00	.....	1.0

CHADRON CREEK NO. 4
Sec. 22-33-49 W.

2-22	A. E. Johnston	3	1.43	.....	4.9
3-20	do	4	.83	.....	3.4
5-14	do	7	.98	.....	7.1
9-4	do	0	.50	.....	.1
9-29	do	.....	.....	.....	.1
11-3	do	4	2.22	.....	1.0

CHERRY CREEK
Sec. 22-24-61 W.

2-18	A. E. Johnston	14	0.93	1.45	12.8

CLEAR CREEK
Sec. 5-15-41 W.

1-7	A. E. Johnston	8	1.25	.....	9.5
1-23	do	8	2.33	.....	17.7
2-11	do	5	2.69	.....	13.5
3-12	do	7	1.59	.....	11.0
4-12	do	4	2.14	.....	9.0
4-17	do	5	1.75	.....	8.9
5-9	do	6	1.95	.....	11.7
6-4	do	7	1.87	.....	13.1
6-20	A. W. Hall	8	2.21	.....	17.3
7-23	A. E. Johnston	7	1.57	.....	10.7
7-25	do		.....	.....	.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

CLEAR CREEK—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-31	A. W. Hall	.....	.....	.....	.0
8-4	do	4	1.80	.....	6.9
8-9	do	3	1.33	.....	4.6
8-20	do	1	.67	.....	.7
8-27	A. E. Johnston	6	2.02	.....	12.3
9-23	do	4	3.18	.....	12.7
10-28	do	6	1.70	.....	9.7
11-7	do	7	1.92	.....	13.1
12-2	do	5	1.87	.....	10.3

CLEAR CREEK
Sec. 26-14-16 W.

1-29	A. E. Johnston	4	0.46	.....	2.0
5-1	do	16	1.10	.....	18.5
5-20	do	30	1.69	.....	51.0
6-10	do	12	1.30	.....	16.3
8-14	do	83	2.20	.....	181.0
10-8	do	6	1.37	.....	7.9
11-14	do	5	1.20	.....	6.0
12-12	do	4	1.51	.....	6.8

CLEAR CREEK, UPPER
Sec. 35-13-9 E.

3-4	A. E. Johnston	13	0.75	.....	9.8
3-31	do	12	.70	.....	8.2
4-26	do	14	1.07	.....	15.2
6-18	do	25	.46	.....	11.3
9-13	do	29	.22	.....	6.5
10-14	do	6	.91	.....	5.3
11-20	do	25	.50	.....	12.8

CLEAR WATER CREEK
Sec. 6-25-7 W.

2-27	A. E. Johnston	33	1.51	.....	50.0
3-25	do	28	1.45	.....	40.0
9-9	do	23	1.60	.....	36.5
12-18	do	29	1.86	.....	54.0

CLEVELAND DRAIN
Sec. 6-20-52 W.

4-7	A. W. Hall	4	0.96	.....	3.5
5-31	do	5	1.16	.....	5.8
6-16	do	9	.53	.....	4.9
7-2	do	6	.63	.....	3.7
8-25	do	4	.80	.....	2.9
10-6	C. E. Franklin	8	.81	.....	6.3
12-4	A. E. Johnston	7	.48	.....	3.3

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

COLD WATER CREEK
Sec. 34-18-46 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-8	A. E. Johnston	1	1.00	.....	1.4
1-22	do	2	1.08	.....	2.2
2-12	do	2	1.40	.....	2.8
3-13	do	2	1.45	.....	3.2
4-15	do	1	.....	.....	1.4
5-10	do	7	1.65	.....	11.2
6-2	do	3	2.06	.....	7.0
6-18	A. W. Hall	1	1.22	.....	1.2
7-5	do	1	.74	.....	.7
7-24	A. E. Johnston	.....	.....	.....	.0
8-29	do	3	1.07	.....	3.0
9-26	do	2	1.28	.....	3.2
10-29	do	3	1.50	.....	5.1
11-6	do	3	1.43	.....	4.0
12-3	do	3	1.81	.....	4.9

COTTONWOOD CREEK
Sec. 12-15-23 W.

8-14	A. E. Johnston	2	0.91	.....	1.6
10-8	do	4	.42	.....	1.8
11-14	do	3	.50	.....	1.5
12-12	do	4	.45	.....	1.8

COTTONWOOD CREEK
Sec. 9-1-11 W.

4-29	A. E. Johnston	6	2.06	.....	13.0

COTTONWOOD CREEK, BIG
Sec. 27-29-48 W.

2-20	A. E. Johnston	3	1.96	.....	5.3
5-13	do	3	1.82	.....	4.0
9-1	do	1	1.50	.....	1.4
9-27	do	1	2.00	.....	1.5
11-3	do	1	1.00	.....	.6

COTTONWOOD CREEK, BIG
Sec. 6-1-15 W.

3-7	A. E. Johnston	2	1.91	.....	4.2
4-3	do	3	1.50	.....	4.5
4-30	do	3	1.93	.....	6.7
6-21	do	2	1.37	.....	2.6
9-17	do	1	1.23	.....	1.6
10-17	do	2	1.05	.....	2.2
11-25	do	3	2.00	.....	5.2

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

COTTONWOOD CREEK, LITTLE
Sec. 8-32-51 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-22	A. E. Johnston	5	0.99	.....	4.7
3-20	do	2	1.51	.....	2.7
5-14	do	3	1.36	.....	4.0
9-3	do	1	.73	.....	.7
9-4	do	2	1.20	.....	2.4
9-29	do	1	.70	.....	.7
11-1	do	2	1.35	.....	2.3

COTTONWOOD CREEK, LITTLE
Sec. 8-32-52 W.

9-29	A. E. Johnston	1	1.00	.....	1.0
11-1	do	1	1.43	.....	2.0

CROOKED CREEK
Sec. 19-34-19 W.

2-26	A. E. Johnston	1	1.92	.....	2.3
3-24	do	1	1.58	.....	1.3
9-8	do	1	.50	.....	.3

DANE CREEK
Sec. 21-19-14 W.

8-15	A. E. Johnston	1	0.20	.....	0.1
12-15	do	3	.26	.....	.6

DAWSON COUNTY DRAIN
Above Junction with Strever Creek
Sec. 14-9-21 W.

1-4	A. E. Johnston	.....	.....	.....	14.5
1-28	do	.....	.....	.....	12.1
2-6	do	.....	.....	.....	6.3
3-7	do	.....	.....	.....	17.1
4-4	do	.....	.....	.....	13.0
4-22	do	.....	.....	.....	30.7
5-5	do	.....	.....	.....	8.8
5-21	do	.....	.....	.....	79.7
6-9	do	.....	.....	.....	54.1
6-23	do	.....	.....	.....	38.3
6-26	do	.....	.....	.....	27.5
7-1	do	.....	.....	.....	28.0
7-2	do	.....	.....	.....	26.0
7-16	do	.....	.....	.....	22.3
7-20	do	.....	.....	.....	15.0
7-30	do	.....	.....	.....	.7
8-21	do	.....	.....	.....	22.3
9-18	do	.....	.....	.....	21.2

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

DAWSON COUNTY DRAIN—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-7	A. E. Johnston	.....	.....	.....	25.6
10-22	do	.....	.....	.....	15.6
11-13	do	.....	.....	.....	21.5
11-26	do	.....	.....	.....	25.4
12-11	do	.....	.....	.....	23.6

DEAD HORSE CREEK
Sec. 32-33-49 W.

3-20	A. E. Johnston	4	0.80	.....	3.4
9-4	do	1	1.00	.....	1.3
9-29	do	1	.50	.....	.5
11-1	do	4	1.08	.....	3.9

DeGRAW DRAIN
Sec. 14-20-51 W.

4-22	A. W. Hall	2	0.88	.....	1.9
5-31	do	4	1.35	.....	4.8
7-14	do	6	1.20	.....	7.1
8-25	do	8	.80	.....	6.6
9-23	A. E. Johnston	8	1.09	.....	8.3

DISMAL RIVER
Sec. 4-21-24 W.

5-2	A. E. Johnston	154	2.80	.....	430.0
6-11	do	131	3.23	.....	422.0
10-9	do	130	2.65	.....	345.0
11-15	do	120	3.19	.....	372.0
12-13	do	139	3.15	.....	438.0

DRY CREEK
Sec. 20-34-37 W.

3-21	A. E. Johnston	9	1.85	.....	16.1
5-15	do	18	2.19	.....	39.2
9-6	do	3	.85	.....	2.8

DOUGOUT CREEK, LOWER
Sec. 4-19-48 W.

3-14	A. E. Johnston	2	1.25	.....	2.0
4-15	do	2	1.12	.....	2.0
5-12	do	1	1.33	.....	1.8
6-2	do	1	1.14	.....	.9
9-26	do	1	1.50	.....	1.5
11-6	do	2	1.41	.....	3.4
12-3	do	2	1.90	.....	4.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

DOUGOUT CREEK, UPPER
Sec. 21-20-50 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-25	A. W. Hall	1	1.31	.....	1.4
4-8	do	5	.98	.....	4.6
4-21	do	1	.86	.....	.6
5-14	do	3	1.09	.....	3.2
5-31	do	5	1.12	.....	5.5
6-16	do	2	1.11	.....	2.2
7-2	do	1	.70	.....	.5
7-14	do	2	1.20	.....	1.9
8-18	do	8	1.60	.....	12.7
8-25	do	8	1.30	.....	11.2
9-5	do	16	1.75	.....	29.0
9-23	do	5	1.10	.....	5.3
10-6	C. E. Franklin	8	2.02	.....	15.9
11-4	do	7	1.47	.....	9.7
11-17	do	8	1.51	.....	12.0

ELKHORN RIVER, SOUTH FORK
Sec. 3-26-9 W.

2-27	A. E. Johnston	31	1.72	.....	52.0
3-25	do	25	1.99	.....	49.0
9-9	do	17	.86	.....	14.8
12-18	do	37	2.28	.....	84.5

ELKHORN RIVER, NORTH FORK
Sec. 26-24-1 W.

12-17	A. E. Johnston	51	2.31	.....	118.0

ELKHORN RIVER
Sec. 34-27-9 W.

2-27	A. E. Johnston	125	1.41	.....	177.0
3-25	do	99	1.55	.....	153.0
9-9	do	49	.91	.....	442.0
12-18	do	104	1.29	.....	134.0

ELKHORN RIVER
Sec. 20-25-6 W.

2-28	A. E. Johnston	201	2.06	.....	414.0
3-26	do	159	2.00	.....	318.0
9-10	do	90	1.88	.....	169.0
12-19	do	126	1.96	.....	247.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

ELKHORN RIVER
Sec. 3-23-1 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
12-17	A. E. Johnston	231	1.95	.....	451.0

ELKHORN RIVER
Sec. 3-15-10 E.

3-3	A. E. Johnston	258	1.71	1.85	442.0
3-29	do	317	2.18	2.35	691.0
4-25	do	521	2.77	3.15	1446.0
6-17	do	690	1.85	2.95	1279.0
8-18	do	416	2.50	2.62	1058.0
9-12	do	302	1.72	1.80	520.0
10-13	do	361	1.48	1.70	536.0
11-19	do	378	2.14	2.00	811.0
12-20	do	369	1.91	2.00	706.0

ELKHORN RIVER
Waterloo
U. S. G. S. Station

2-26	D. S. Jenkins	573	.....	2.89	1090.0
3-24	F. F. LeFever	381	.....	2.46	793.0
4-23	do	612	.....	3.26	1650.0
5-7	do	780	.....	4.23	2560.0
5-9	do	1330	.....	5.99	7200.0
5-24	do	601	.....	3.52	2100.0
6-11	do	567	.....	2.92	1230.0
6-26	do	500	.....	2.71	1100.0
7-12	H. P. Eisenhuth	274	.....	1.64	459.0
8-13	do	341	.....	1.87	514.0
9-14	R. E. Cabell	375	.....	2.09	737.0

ELM CREEK
Sec. 33-9-18 W.

5-5	A. E. Johnston	12	1.45	.....	17.4
7-16	do	7	.50	.....	3.2
7-20	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-13	do	6	.90	.....	5.1
8-21	do	2	.23	.....	.4
9-18	do	2	.29	.....	.5
10-7	do	.....	.....	.....	.0
11-13	do	.....	.....	.....	.0
11-26	do	.....	.....	.....	.0
12-11	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

ELM CREEK
Sec. 3-1-10 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-6	A. E. Johnston	24	1.46	.....	36.0
4-2	do	24	3.88	.....	93.0
4-29	do	22	1.36	.....	30.0
6-20	do	44	.86	.....	38.0
9-16	do	24	.62	.....	15.0
10-16	do	24	.62	.....	14.8
11-24	do	33	.64	.....	21.0

FAIRFIELD SEEP
Sec. 18-21-53 W.

1-10	A. E. Johnston	3	0.72	.....	1.9
2-14	do	4	1.07	.....	4.7
3-26	A. W. Hall	5	1.17	.....	5.6
4-9	do	1	.86	.....	1.0
5-20	do	6	1.67	.....	9.9
6-10	do	4	.77	.....	3.4
7-18	do	4	.91	.....	3.2
8-18	do	6	1.10	.....	7.2
9-5	do	5	1.10	.....	5.5
10-4	C. E. Franklin	6	1.36	.....	8.7
10-18	do	3	.85	.....	2.9
11-5	do	4	.77	.....	3.4
11-18	do	2	1.04	.....	2.3
12-4	A. E. Johnston	4	.86	.....	3.6

FANNING SEEP
Sec. 29-23-56 W.

1-14	A. E. Johnston	5	1.48	.....	8.0
2-18	do	4	.89	.....	4.0
3-11	A. W. Hall	2	1.17	.....	2.8
4-11	do	5	.91	.....	4.2
4-24	do	4	1.65	.....	6.1
6-11	do	8	1.01	.....	8.5
7-18	do	6	1.11	.....	6.3
7-30	do	8	1.00	.....	8.1
8-12	do	6	2.37	.....	13.9
9-9	do	7	2.65	.....	18.1
9-25	do	5	2.52	.....	13.7
10-2	C. E. Franklin	5	1.47	.....	7.2
10-22	do	6	2.17	.....	13.9
11-6	do	4	1.88	.....	8.3
11-23	do	6	1.35	.....	8.0
12-5	A. E. Johnston	5	2.00	.....	9.6

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

FARMERS CREEK
Sec. 5-1-12 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-6	A. E. Johnston	2	0.83	.....	2.0
4-2	do	2	.84	.....	1.7
4-29	do	4	1.13	.....	4.1
6-20	do	21	.57	.....	12.0
9-16	do	.....	.....	.....	.0
10-16	do	1	.80	.....	.8
10-23	do	5	1.04	.....	5.6

FREMONT SLOUGH
Sec. 16-13-30 W.

11-10	A. E. Johnston	9	0.67	.....	5.8
11-29	do	9	.91	.....	9.3
12-10	do	19	1.17	.....	22.8

FRENCHMAN RIVER
Sec. 10-6-41 W.

1-3	C. E. Franklin	5	0.60	.....	3.3
2-3	do	6	1.27	.....	8.1
2-22	do	5	.73	.....	3.8
3-9	do	5	.98	.....	5.3
3-21	do	11	.77	.....	8.3
4-19	do	13	.37	.....	4.9
5-3	do	10	.55	.....	5.5
5-16	do	13	.49	.....	6.5
5-31	do	11	.41	.....	4.4
6-20	do	14	.48	.....	6.6
7-11	do	5	.54	.....	2.7
7-31	do	11	.55	.....	6.3
8-9	do	6	.63	.....	3.8
8-29	do	6	.95	.....	5.9
9-11	do	6	.57	.....	3.4
9-21	do	6	.68	.....	4.0
10-13	do	7	.98	.....	7.0
10-29	do	7	.60	.....	4.0
11-12	do	7	.69	.....	4.8
12-2	do	10	.44	.....	4.5

FRENCHMAN RIVER
Sec. 11-6-41 W.

1-3	C. E. Franklin	3	0.81	.....	2.6
2-3	do	3	.85	.....	2.2
2-22	do	3	1.36	.....	3.8
3-9	do	3	.88	.....	3.0
3-21	do	3	1.07	.....	3.2
4-19	do	7	1.02	.....	6.7
5-3	do	1	.75	.....	1.0
5-16	do	3	1.03	.....	3.3
5-31	do	.....	.....	.....	.1
6-20	do	5	1.08	.....	5.1

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

FRENCHMAN RIVER—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-11	C. E. Franklin	1	.46	——	.6
7-31	do	3	1.00	——	3.0
8-9	do	2	1.00	——	2.4
8-29	do	3	.50	——	1.7
9-21	do	2	.83	——	2.0
10-13	do	7	1.04	——	7.1
10-29	do	5	1.28	——	6.4
11-12	do	5	1.17	——	5.4
12-2	do	5	1.00	——	4.8

FRENCHMAN RIVER
Sec. 17-6-40 W.

1-3	C. E. Franklin	10	1.58	——	16.3
2-3	do	12	1.61	——	19.5
2-22	do	12	1.35	——	16.8
3-9	do	15	1.52	——	23.1
3-21	do	13	1.60	——	20.2
4-19	do	4	1.08	——	4.0
5-3	do	3	.90	——	2.7
5-16	do	6	1.14	——	7.3
5-31	do	8	1.20	——	10.6
6-20	do	10	1.29	——	13.4
7-11	do	3	.92	——	2.4
7-31	do	2	1.00	——	2.0
8-9	do	3	1.10	——	3.3
8-29	do	3	.97	——	2.8
9-11	do	10	1.34	——	14.2
9-21	do	6	1.03	——	5.8
10-29	do	19	1.23	——	24.0
11-12	do	13	1.35	——	18.0
12-2	do	18	1.42	——	26.0

FRENCHMAN RIVER
Sec. 22-6-40 W.

1-2	C. E. Franklin	11	1.80	——	20.0
2-3	do	13	2.02	——	27.0
2-22	do	18	2.18	——	40.0
3-9	do	13	2.28	——	29.0
3-21	do	11	2.30	——	26.0
4-19	do	7	1.80	——	13.0
5-3	do	6	1.77	——	10.0
5-16	do	8	1.81	——	15.0
5-31	do	11	1.87	——	21.0
6-20	do	14	2.07	——	29.0
7-11	do	7	2.30	——	16.0
7-31	do	11	2.00	——	22.0
8-9	do	6	1.40	——	9.0
8-29	do	10	1.65	——	16.0
9-11	do	12	1.58	——	18.0
9-21	do	11	1.46	——	16.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

FRENCHMAN RIVER—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-13	C. E. Franklin	14	2.08	.....	28.0
10-29	do	17	1.83	.....	32.0
11-12	do	14	1.66	.....	23.6
12-2	do	13	1.85	.....	25.0

FRENCHMAN RIVER
Sec. 23-6-40 W.

1-2	C. E. Franklin	12	2.28	.....	27.0
2-3	do	14	2.17	.....	31.0
2-22	do	7	1.82	.....	12.0
3-9	do	9	2.49	.....	21.0
3-21	do	12	2.33	.....	29.0
4-19	do	6	1.24	.....	7.3
5-3	do	5	.71	.....	3.7
5-16	do	9	1.75	.....	16.5
5-31	do	10	2.16	.....	21.0
6-20	do	8	1.45	.....	12.0
7-11	do	3	.85	.....	2.3
7-31	do	7	.82	.....	5.4
8-9	do	6	.62	.....	3.6
8-29	do	5	.80	.....	4.1
9-11	do	8	1.31	.....	10.5
9-21	do	7	1.40	.....	10.1
10-13	do	11	2.05	.....	24.0
10-29	do	14	2.41	.....	35.0
11-12	do	10	1.80	.....	18.0

FRENCHMAN RIVER
Sec. 21-6-39 W.

1-2	C. E. Franklin	36	0.88	.....	31.0
2-3	do	44	1.14	.....	50.0
2-22	do	43	1.09	.....	47.0
3-9	do	24	1.06	.....	25.0
3-21	do	38	1.14	.....	44.0
4-19	do	31	.89	.....	28.0
5-3	do	10	1.93	.....	20.0
5-16	do	38	1.15	.....	44.0
5-31	do	44	1.31	.....	57.0
6-20	do	43	1.27	.....	54.0
7-11	do	25	.96	.....	24.0
7-31	do	29	1.40	.....	40.0
8-9	do	45	1.35	.....	60.0
8-29	do	8	.80	.....	7.0
9-11	do	47	.97	.....	45.0
9-21	do	35	1.28	.....	45.0
10-13	do	63	1.31	.....	83.0
10-29	do	46	.94	.....	43.0
11-12	do	41	1.32	.....	54.0
12-3	do	45	1.08	.....	49.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

FRENCHMAN RIVER
Sec. 30-6-38 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-2	C. E. Franklin	40	1.59	.....	63.0
2-3	do	42	1.56	.....	65.0
2-22	do	39	1.48	.....	57.0
3-9	do	31	1.34	.....	42.0
3-21	do	38	1.74	.....	66.0
4-19	do	29	1.38	.....	39.0
5-3	do	17	1.49	.....	25.0
5-16	do	45	1.60	.....	71.0
5-31	do	34	1.39	.....	47.0
6-20	do	42	1.68	.....	71.0
7-11	do	22	1.18	.....	25.0
7-31	do	26	1.81	.....	47.0
8-9	do	8	.95	.....	7.8
8-29	do	47	1.40	.....	65.0
9-11	do	39	1.41	.....	55.0
9-21	do	31	1.25	.....	39.0
10-29	do	35	1.67	.....	59.0
11-12	do	34	1.61	.....	55.0

FRENCHMAN RIVER
Sec. 11-5-36 W.

1-2	C. E. Franklin	68	1.61	.....	109.0
2-3	do	66	2.85	.....	119.0
2-22	do	62	1.53	.....	95.0
3-9	do	56	1.61	.....	90.0
3-21	do	54	1.58	.....	85.0
4-19	do	58	1.62	.....	93.0
5-7	do	60	1.51	.....	90.0
5-16	do	67	1.47	.....	98.0
5-31	do	63	1.63	.....	103.0
6-20	do	67	1.41	.....	95.0
7-11	do	64	1.44	.....	92.0
7-31	do	53	1.49	.....	79.0
8-10	do	54	1.45	.....	78.0
8-29	do	66	1.42	.....	94.0
9-8	do	64	1.48	.....	95.0
9-22	do	34	2.42	.....	82.0
10-14	do	71	1.83	.....	130.0
10-29	do	63	1.38	.....	89.0
11-12	do	45	2.22	.....	101.0
12-3	do	66	2.40	.....	159.1

FRENCHMAN RIVER
Hamlet
U. S. G. S. Station

2-10	Jenkins and Cabell	61	.....	1.97	121.0
3-18	F. F. LeFever	51	.....	1.55	87.0
4-16	do	52	.....	1.62	93.0
5-19	do	68	.....	2.13	133.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

FRENCHMAN RIVER—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-2	H. P. Eisenhuth	43	——	1.28	65.0
8-5	do	46	——	1.50	70.0
8-29	D. S. Jenkins	108	——	3.01	214.0

FRENCHMAN RIVER
Sec. 36-5-34 W.

2-4	C. E. Franklin	118	0.91	——	106.0
2-23	do	74	2.03	——	151.0
3-10	do	77	1.70	——	131.0
3-22	do	72	1.55	——	111.0
4-20	do	66	1.71	——	114.0
5-5	do	94	1.48	——	140.0
5-18	do	105	1.89	——	199.0
6-1	do	85	1.71	——	145.0
6-23	do	34	1.57	——	53.0
7-11	do	7	1.00	——	7.0
7-29	do	62	2.06	——	128.0
8-10	do	48	1.25	——	60.0
8-29	do	48	2.20	——	106.0
9-9	do	56	1.77	——	99.0
9-22	do	38	.95	——	36.0
10-14	do	73	2.18	——	159.0
10-29	do	82	1.62	——	133.0
11-12	do	78	2.04	——	159.0
12-3	do	75	2.60	——	195.0

FRENCHMAN RIVER
Below Culbertson Canal

7-11	C. E. Franklin	——	——	——	0.8

FRENCHMAN RIVER
Sec. 16-3-31 W.

2-5	C. E. Franklin	69	1.79	——	122.0
2-24	do	125	1.95	——	242.0
3-10	do	103	1.89	——	194.0
3-22	do	95	1.49	——	151.0
4-20	do	76	2.14	——	162.0
5-5	do	76	1.86	——	141.0
5-19	do	123	1.50	——	184.0
6-1	do	103	1.99	——	206.0
6-4	do	148	1.40	——	206.0
6-22	do	52	1.47	——	77.0
7-29	do	70	1.07	——	124.0
8-19	do	80	1.61	——	129.0
8-26	do	46	1.52	——	70.0
9-9	do	98	1.17	——	115.0
9-23	do	27	1.55	——	42.0
10-14	do	83	2.02	——	169.0
10-30	do	84	1.53	——	130.0
11-13	do	94	1.96	——	184.0
12-3	do	77	2.24	——	172.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

GEBAUER DRAIN
Sec. 28-20-50 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
2-13	A. E. Johnston	1	0.46	—	0.1
3-15	do	—	—	—	.0
4-8	A. W. Hall	—	—	—	.0
4-21	do	—	—	—	.0
5-12	A. E. Johnston	1	1.11	—	1.0
5-28	do	1	.53	—	.3
6-2	do	1	.68	—	.6
9-4	A. W. Hall	—	—	—	.0
9-26	A. E. Johnston	1	.50	—	.2
11-6	do	1	1.00	—	1.0
12-3	do	1	1.10	—	1.0

GERING DRAIN
Sec. 6-21-54 W.

1-10	A. E. Johnston	19	1.74	—	33.0
2-14	do	14	1.69	0.75	23.0
3-11	A. W. Hall	13	1.50	—	20.0
3-26	do	13	1.76	—	24.0
4-9	do	14	1.65	—	23.0
4-22	do	11	1.78	.70	20.0
6-10	do	16	1.99	—	32.0
7-26	do	22	2.33	—	51.7
8-13	do	43	2.96	1.55	127.0
9-11	do	22	2.08	—	46.0
10-3	C. E. Franklin	22	1.82	—	41.0
10-18	do	30	1.87	—	57.1
11-6	do	17	1.97	—	34.6
11-22	do	24	1.80	—	44.0
12-5	A. E. Johnston	23	1.86	—	42.3

GORDON CREEK
Sec. 30-33-28 W.

2-25	A. E. Johnston	10	1.52	—	15.8
3-22	do	18	2.17	—	39.2
5-16	do	70	3.33	—	232.0
9-6	do	5	1.46	—	7.0

GOTHENBURG POWER WASTE
Gothenburg

1-4	A. E. Johnston	70	2.48	3.25	173.0
1-27	do	64	2.48	3.10	158.0
2-7	do	57	2.19	2.70	124.0
3-8	do	60	2.37	3.00	142.0
4-5	do	49	2.27	2.70	112.0
4-21	do	57	2.42	3.00	137.0
5-6	do	61	2.34	3.00	144.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

GOTHENBURG POWER WASTE—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-22	A. E. Johnston	61	2.37	.....	145.0
6-7	do	61	2.01	.....	122.0
6-24	do	67	2.55	.....	171.8
7-1	do	64	2.34	.....	149.0
7-3	do	69	2.62	3.70	181.0
7-7	do	58	2.43	3.20	141.0
7-8	do	54	2.60	3.10	139.0
7-9	do	46	2.33	2.88	108.0
7-15	do	30	2.04	2.35	62.0
7-16	do	29	2.24	2.25	65.0
7-19	do	48	2.44	3.10	116.0
7-21	do	53	2.57	3.15	136.0
7-29	do	66	2.77	3.50	184.0
7-31	do	58	2.82	3.28	164.0
8-13	do	66	2.84	3.50	186.0
8-22	do	73	2.65	3.59	193.0
9-19	do	67	2.50	3.55	167.0
10-7	do	65	2.59	3.50	170.0
10-21	do	68	2.79	3.60	190.0
10-24	do	71	2.69	3.62	190.0
11-12	do	68	2.82	3.60	192.0
11-28	do	41	1.98	.....	81.0
12-11	do	43	2.08	2.40	90.5

GOVERNMENT SPRING
Below Ft. Robinson Pumping Plant

2-21	A. E. Johnston	.....	.....	0.10	0.4
3-19	do	.....	.....	.10	.4
9-3	do	.....	.....	.....	.4
9-30	do	.....	.....	.....	.4
10-31	do	.....	.....	.....	.4

GRACIE CREEK
Sec. 31-23-17 W.

10-9	A. E. Johnston	8	1.87	.....	14.6
11-15	do	9	1.62	.....	14.6
12-13	do	7	1.81	.....	12.1

GRAVEL CREEK
Sec. 9-14-36 W.

1-6	A. E. Johnston	.....	.....	0.40	2.2
2-10	do	.....	.....	.45	3.1
3-11	do	.....	.....	.35	2.1
4-11	do	.....	.....	.....	2.5
4-17	do	.....	.....	.40	2.5
6-4	do	.....	.....	.45	3.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

GRAVEL CREEK—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-11	A. E. Johnston	.....	.....	.....	2.5
7-17	do	.....	.....	.....	2.5
7-25	do	.....	.....	.....	3.0
8-2	do	.....	.....	.....	2.1
8-7	do	.....	.....	.40	2.5
8-12	do	.....	.....	.....	2.5
8-27	do	.....	.....	.....	3.0
10-3	do	.....	.....	.....	.2
10-27	do	.....	.....	.....	2.5
11-8	do	.....	.....	.....	1.7

GREAT WESTERN SUGAR FACTORY DRAIN
Lyman

12-5	A. E. Johnston	11	0.30	.....	3.3

GREENWOOD CREEK
Sec. 26-19-50 W.

3-24	A. W. Hall	.....	.....	.....	0.0
4-22	do	.....	.....	.....	.0
5-26	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
10-7	C. E. Frankln	.....	.....	.....	.4
11-8	do	2	1.47	.....	2.5

GREENWOOD CREEK
Below Nelson Canal

8-22	A. W. Hall	2	2.40	.....	4.1

HAINES BRANCH CREEK
Sec. 3-9-6 E.

2-4	A. E. Johnston	20	2.13	.....	43.4
3-4	do	4	.43	.....	1.7
4-1	do	3	.52	.....	1.8
4-28	do	5	.57	.....	3.0
6-19	do	2	.82	.....	1.5
8-20	do	3	1.66	.....	5.5
9-15	do	1	.71	.....	0.5
10-15	do	1	1.00	.....	1.3
11-21	do	14	1.31	.....	18.2

HASKEL CREEK
Sec. 4-19-14 W.

8-15	A. E. Johnston	1	0.67	.....	0.3
10-10	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

HAT CREEK
Sec. 35-33-56 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-21	A. E. Johnston	6	0.87	.....	5.2
3-19	do	6	1.42	.....	8.4
7-22	A. W. Hall	1	.60	.....	.6
9-3	A. E. Johnston	3	.73	.....	1.9
9-30	do	2	.82	.....	1.4
11-1	do	4	.95	.....	3.4

HORSE CREEK
Sec. 23-1-39 W.

1-4	C. E. Franklin	.....	.....	.....	1.5
2-27	do	1	1.37	.....	1.5
3-13	do	1	1.62	.....	1.3
3-25	do	1	1.00	.....	1.0
4-23	do	1	1.00	.....	1.0
5-7	do	1	1.24	.....	2.1
5-20	do	1	.92	.....	1.2
6-20	do	2	1.22	.....	2.9
7-16	do	1	1.00	.....	1.0
8-1	do	1	1.06	.....	1.6
8-14	do	2	1.43	.....	3.0
8-30	do	1	1.00	.....	1.1
9-12	do	1	1.42	.....	2.0
9-26	do	1	.88	.....	.7
10-16	do	2	.90	.....	1.9
11-1	do	1	1.33	.....	1.6
11-15	do	1	.77	.....	1.0

HORSE CREEK
Sec. 25-23-58 W.

1-13	A. E. Johnston	30	3.00	.....	90.0
2-17	do	78	2.09	.....	164.0
3-27	A. W. Hall	26	1.61	.....	41.0
4-10	do	18	1.46	.....	26.0
4-25	do	15	1.34	.....	20.0
5-21	do	84	2.88	.....	242.0
6-12	do	31	1.87	.....	58.0
6-27	do	38	1.83	.....	70.0
7-25	do	57	2.34	.....	133.0
8-12	do	77	2.53	1.40	195.0
9-11	do	189	4.14	2.50	782.0
9-24	do	64	2.36	1.00	151.0
10-2	C. E. Franklin	110	2.79	1.45	307.0
10-21	do	57	2.52	.....	143.0
11-7	do	50	1.99	.....	99.6
11-23	do	41	2.16	.....	89.8
12-5	A. E. Johnston	60	2.15	.....	129.5

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

HOTH DRAW
Sec. 28-21-52 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
8-25	A. W. Hall	14	3.18	——	44.8

INDIAN CREEK
Sec. 23-2-6 W.

1-4	C. E. Franklin	4	1.12	——	4.6
3-25	do	4	.95	——	3.8
4-22	do	3	1.19	——	3.8
5-20	do	6	1.03	——	6.6
7-15	do	3	.87	——	2.8
8-1	do	4	.92	——	3.7
8-13	do	4	.88	——	3.5
10-6	do	10	1.71	——	17.6
10-16	do	5	1.05	——	5.8
11-1	do	5	.91	——	4.7
11-15	do	5	.80	——	4.1
12-6	do	6	.97	——	5.5

INDIAN CREEK
Sec. 19-20-50 W.

1-9	A. E. Johnston	7	1.28	——	9.0
2-13	do	7	1.43	——	10.0
3-15	do	3	2.11	——	7.4
3-25	A. W. Hall	4	1.16	——	5.2
4-8	do	5	1.19	——	6.0
4-21	do	4	1.18	——	4.9
5-14	do	8	1.30	——	9.8
5-31	do	3	1.19	——	3.8
6-16	do	4	1.31	——	5.1
7-2	do	12	1.74	——	21.0
7-14	do	10	1.57	——	15.0
8-18	do	11	1.27	——	14.0
8-25	do	14	1.54	——	21.0
9-5	do	26	1.88	——	49.0
9-23	do	16	1.72	——	27.0
9-27	A. E. Johnston	21	2.70	——	58.0
11-4	C. E. Franklin	12	1.20	——	15.0
11-17	do	6	.84	——	4.7
12-4	A. E. Johnston	10	1.11	——	11.0

INDIAN CREEK
Sec. 5-32-50 W.

4-1	A. E. Johnston	——	——	——	0.5
6-19	do	——	——	——	.5

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

JIM CREEK
Sec. 23-33-57 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-22	A. W. Hall	1	0.75	.....	0.3

JIM CREEK
Sec. 13-33-57 W.

7-23	A. W. Hall	1	0.75	.....	0.2

JIM CREEK
Sec. 7-33-56 W.

7-22	A. W. Hall	1	0.52	.....	0.1

KEITH-LINCOLN COUNTY DRAIN
One-half Mile East of Sarben

1-6	A. E. Johnston	2	1.30	.....	2.2
1-24	do	2	1.60	.....	3.2
2-10	do	2	1.40	.....	2.4
3-11	do	2	1.18	.....	2.6
4-11	do	2	1.18	.....	2.6
4-18	do	2	1.56	.....	3.5
5-8	do	1	1.20	.....	1.4
6-5	do	2	1.38	.....	3.1
6-30	do	4	.69	.....	2.5
7-5	do	5	.59	.....	3.2
7-10	do	1	1.15	.....	1.5
7-14	do	2	1.43	.....	2.3
7-22	do	1	1.14	.....	1.6
7-26	do	2	1.30	.....	2.2
7-28	do	4	1.13	.....	4.4
8-2	do	9	.62	.....	5.4
8-4	do	10	.94	.....	9.1
8-6	do	10	.40	.....	4.0
8-12	do	8	.45	.....	3.7
8-26	do	10	.70	.....	7.2
9-22	do	7	.46	.....	3.3
10-3	do	8	.58	.....	4.8
10-27	do	8	.46	.....	3.8
11-8	do	6	.47	.....	2.8
12-1	do	12	.80	.....	9.4

KEYA PAHA RIVER
Sec. 9-34-17 W.

2-26	A. E. Johnston	78	2.85	.....	221.0
3-24	do	82	1.82	.....	165.0
9-8	do	34	1.78	.....	60.7

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LANE DRAIN
Sec. 30-23-57 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
2-17	A. E. Johnston	1	1.27	——	1.9
3-27	A. W. Hall	2	1.11	——	2.0
4-10	do	2	1.10	——	2.1
5-21	do	5	1.22	——	5.7
6-27	do	6	1.41	——	7.9
7-30	do	3	.71	——	2.2
8-12	do	3	1.24	——	4.3
9-11	do	3	1.03	——	3.2
10-2	C. E. Franklin	4	1.19	——	5.0
10-21	do	3	1.88	——	4.9
11-7	do	2	1.18	——	2.6
11-23	do	2	.96	——	2.2
12-5	A. E. Johnston	4	2.02	——	8.1

LAWRENCE FORK
Sec. 36-19-52 W.

8-22	A. W. Hall	——	——	——	0.0
10-7	C. E. Franklin	5	1.00	——	5.0
11-8	do	4	1.41	——	6.2

LEANDER CREEK
Sec. 33-34-37 W.

2-24	A. E. Johnston	10	1.42	——	14.5
3-21	do	7	1.41	——	10.1
5-15	do	12	2.66	——	31.9
9-6	do	2	.69	——	1.1

LEWELLEN DRAIN
Sec. 28-16-42 W.

11-7	A. E. Johnston	3	0.96	——	2.8
12-2	do	3	.91	——	2.9

LINCOLN COUNTY DRAIN NO. 1
Sec. 30-14-30 W.

1-6	A. E. Johnston	27	2.26	3.35	61.0
1-24	do	25	2.46	3.30	61.0
2-10	do	25	2.27	——	57.0
3-11	do	25	2.21	3.25	55.0
4-11	do	23	2.20	3.25	51.0
4-18	do	21	2.07	3.30	44.0
5-8	do	24	2.14	3.30	51.0
6-6	do	34	2.07	3.68	69.0
6-19	do	34	2.99	3.80	100.0
6-25	do	34	2.59	——	88.0
6-30	do	38	2.63	3.77	100.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LINCOLN COUNTY DRAIN NO. 1—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-5	A. E. Johnston	37	2.87	3.85	106.0
7-10	do	30	2.66	3.70	82.0
7-12	do	34	2.44	3.68	83.0
7-13	do	36	2.69	3.80	97.0
7-14	do	41	2.65	3.75	109.0
7-17	do	31	3.70	3.88	115.0
7-18	do	41	2.90	3.95	119.0
7-22	do	39	3.00	4.00	117.0
7-28	do	39	2.64	3.85	103.0
8-5	do	41	2.66	3.95	109.0
8-6	do	39	2.43	3.96	95.0
8-9	do	43	2.86	3.95	123.0
8-26	do	46	2.85	4.15	131.0
9-22	do	37	2.65	3.70	98.0
10-6	do	37	2.97	3.85	110.0
10-27	do	35	3.60	2.76	96.9
11-12	do	29	2.85	3.42	84.0
12-1	do	30	2.27	3.40	69.1
12-10	do	31	2.52	3.40	79.8

LINCOLN COUNTY DRAIN NO. 2
Sec. 12-14-33 W.

10-27	A. E. Johnston	7	1.42	.....	10.5
11-8	do	7	1.33	0.55	9.2
12-1	do	6	.87	.55	5.2

LODGEPOLE CREEK
Sec. 11-14-59 W.

1-13	C. E. Franklin	7	0.91	.....	6.0
1-28	do	7	.95	.....	6.8
2-17	do	14	1.16	.....	15.7
3-15	do	8	1.69	.....	14.2
4-24	do	6	1.58	.....	9.3
5-9	do	10	1.69	.....	17.7
5-24	do	4	1.84	.....	7.6
6-11	do	5	1.48	.....	7.7
6-28	do	2	1.11	.....	1.9
7-18	do	4	.84	.....	3.7
8-7	do	6	1.08	.....	6.3
8-23	do	8	1.47	.....	12.4
9-5	do	5	1.02	.....	5.1
9-19	do	6	1.41	.....	7.9
10-9	do	8	1.40	.....	12.0
10-26	do	7	1.42	.....	10.5
11-10	do	10	1.63	.....	16.0
11-28	do	8	1.75	.....	14.4

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LODGEPOLE CREEK
Above Kimball Reservoir

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
1-13	C. E. Franklin	6	2.07	.....	11.6
1-28	do	6	2.00	.....	11.2
2-17	do	9	2.78	.....	24.8
3-15	do	9	2.49	.....	23.4
4-24	do	7	2.57	.....	17.2
5-9	do	8	2.50	.....	19.3
5-25	do	8	2.63	.....	20.0
6-11	do	7	2.55	.....	18.1
6-28	do	5	1.52	0.40	7.3
7-18	do	5	1.29	.....	6.2
8-7	do	5	1.63	.40	8.8
8-23	do	36	1.33	3.00	148.0
9-5	do	10	2.50	.80	24.0
9-19	do	8	1.72	.....	14.5
10-8	do	12	2.68	1.00	32.0
10-26	do	10	2.60	.....	25.0
11-10	do	10	2.58	.80	24.7
11-28	do	10	2.44	.80	23.5

LODGEPOLE CREEK
Below Kimball Reservoir

1-14	C. E. Franklin	2	1.40	.....	2.8
1-28	do	2	1.06	.....	1.8
2-17	do	4	1.22	.....	5.1
3-14	do	2	1.72	.....	4.3
4-24	do	2	1.41	.....	3.1
5-9	do	3	1.50	.....	3.9
5-25	do	3	1.83	.....	4.7
6-11	do	3	1.50	.....	4.8
6-28	do	3	1.53	.....	4.6
7-18	do	3	1.26	.....	4.4
8-7	do	3	1.34	.....	3.5
8-23	do	3	1.10	.....	3.3
9-5	do	3	1.30	.....	3.5
9-19	do	3	1.35	.....	3.5
10-9	do	2	1.43	.....	3.4
10-26	do	2	1.48	.....	3.4
11-10	do	3	1.43	.....	4.0
11-28	do	4	1.43	.....	5.3

LODGEPOLE CREEK
Sec. 29-15-55 W.

1-14	C. E. Franklin	11	0.95	.....	10.6
1-28	do	14	.91	.....	13.1
2-17	do	15	1.00	.....	14.7
3-14	do	19	.92	.....	17.7
3-26	do	16	1.05	.....	17.2
4-24	do	12	.69	.....	8.3
5-9	do	13	.81	.....	11.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LODGEPOLE CREEK—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-23	C. E. Franklin	10	.73	.....	7.5
6-10	do	5	1.43	.....	7.1
6-27	do	6	.43	.....	2.6
7-18	do	9	1.00	.....	8.8
8-7	do	9	.93	.....	8.7
8-22	do	12	.86	.....	10.2
9-5	do	12	.89	.....	11.0
9-19	do	6	1.25	.....	7.0
10-8	do	9	1.44	.....	13.5
10-26	do	10	1.00	.....	10.8
11-10	do	7	1.47	.....	10.0
11-28	do	10	2.04	.....	20.0

LODGEPOLE CREEK
Above Bennett Reservoir

1-28	C. E. Franklin	10	1.10	.....	11.2
3-26	do	11	1.35	.....	15.1
4-24	do	6	1.24	.....	7.3
5-9	do	4	2.40	.....	9.6
5-23	do	3	2.87	.....	9.8
6-10	do	2	.53	.....	1.1
6-27	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-5	do	1	.83	.....	.5
9-19	do	1	1.07	.....	1.5

LODGEPOLE CREEK
Sec. 26-15-54 W.

1-16	C. E. Franklin	.....	.....	.....	*0.0
1-28	do	.....	.....	.....	*.0
2-18	do	10	1.45	.....	15.4
3-14	do	6	1.25	.....	7.0
3-26	do	12	1.32	.....	15.6
4-24	do	2	1.00	.....	2.2
5-9	do	5	1.26	.....	5.8
5-25	do	3	.87	.....	2.6
6-11	do	.....	.....	.....	.1
6-28	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
10-9	do	.....	.....	.....	.0
11-10	do	.....	.....	.....	.0
11-28	do	6	0.87	.....	5.4

*Ice

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LODGEPOLE CREEK
Sec. 32-14-49 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-16	C. E. Franklin	2	1.96	.....	4.7
1-29	do	2	1.39	.....	2.5
2-1	do	2	1.59	.....	3.5
3-5	do	2	1.91	.....	4.4
4-15	do	3	2.04	.....	5.5
4-29	do	2	2.08	.....	5.2
5-14	do	3	2.08	.....	5.4
6-17	do	3	1.17	.....	3.5
7-7	do	2	.89	.....	1.6
7-26	do	1	1.00	.....	1.0
8-9	do	1	1.22	.....	1.1
9-3	do	2	1.39	.....	2.5
9-20	do	2	.90	.....	2.0
10-9	do	3	1.23	.....	3.2
10-27	do	2	1.46	.....	3.5
11-10	do	2	1.70	.....	3.4
11-29	do	3	1.38	.....	4.4

LODGEPOLE CREEK
Below Krueger Lake

7-26	C. E. Franklin	.....	.....	.....	0.2
8-8	do	2	0.89	.....	1.6

LODGEPOLE CREEK
Sec. 30-14-46 W.

1-17	C. E. Franklin	.....	.....	.....	4.8
1-31	do	.....	.....	.....	4.8
2-19	do	.....	.....	.....	22.6
3-5	do	7	1.85	.....	13.3
3-20	do	12	1.90	.....	23.7
4-17	do	9	2.04	.....	19.1
4-30	do	9	1.59	.....	14.6
5-14	do	10	2.58	.....	24.8
5-29	do	7	1.52	.....	11.1
6-20	do	1	1.29	.....	1.6
7-8	do	.....	.....	.....	.3
7-26	do	.....	.....	.....	.2
8-8	do	1	1.30	.....	.9
9-6	do	6	.85	.....	6.8
9-20	do	3	1.00	.....	2.6
10-12	do	9	.91	.....	7.6
10-27	do	12	1.45	.....	18.1
11-10	do	11	1.53	.....	17.5
11-29	do	13	.92	.....	12.1

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LODGEPOLE CREEK
Sec. 21-13-45 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-17	C. E. Franklin	6	0.98	——	6.1
1-31	do	8	1.79	——	14.3
3-20	do	8	1.58	——	13.3
4-17	do	9	1.66	1.60	15.4
5-1	do	10	1.44	——	13.8
5-29	do	9	2.45	——	21.5
6-20	do	1	1.40	——	.4
7-8	do	3	1.03	——	3.5
7-27	do	4	2.00	——	8.0
8-9	do	2	1.66	——	3.0
8-21	do	3	2.59	——	8.8
9-6	do	4	2.94	——	10.6
9-20	do	1	.73	——	0.8
10-12	do	5	1.36	——	7.1
10-27	do	6	1.26	——	7.6
11-10	do	11	1.22	——	14.0
11-29	do	12	1.03	——	12.0

LODGEPOLE CREEK
Sec. 12-12-45 W.

1-17	C. E. Franklin	8	1.22	——	9.3
1-31	do	10	1.43	——	13.7
2-19	do	12	1.39	1.80	16.8
3-7	do	9	1.99	1.70	17.9
3-20	do	9	1.87	1.70	17.0
4-17	do	8	1.71	1.60	14.2
5-1	do	10	1.69	1.75	17.1
5-30	do	11	1.96	2.00	22.1
6-20	do	7	1.04	1.50	7.7
7-8	do	5	.54	1.10	2.7
7-27	do	7	.85	1.30	5.6
8-9	do	5	.66	——	3.3
8-21	do	10	1.16	1.60	11.4
9-6	do	9	1.25	1.60	10.7
9-20	do	9	.88	1.50	8.3
10-12	do	10	1.30	1.60	13.0
10-27	do	11	1.25	1.80	15.6
11-10	do	12	1.36	1.80	16.2
11-29	do	12	1.50	——	18.0

LONERGAN CREEK
Sec. 19-15-39 W.

1-7	A. E. Johnston	11	0.91	——	10.0
1-23	do	7	.71	——	4.8
2-11	do	6	1.25	——	7.5
3-12	do	5	1.27	——	6.1
4-12	do	5	1.28	——	6.5
4-17	do	5	1.20	——	6.1
5-9	do	4	1.32	——	5.6
6-4	do	5	2.08	——	10.6

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LONERGAN CREEK—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-20	A. W. Hall	4	1.41	.....	5.5
7-23	A. E. Johnston	3	1.24	.....	4.2
7-25	do	4	.95	.....	3.7
8-2	do	3	1.87	.....	5.6
8-4	do	3	1.15	.....	3.8
8-7	do	3	.96	.....	2.5
8-11	do	2	.92	.....	2.3
8-27	do	5	1.45	.....	7.7
9-23	do	5	1.44	.....	6.8
10-28	do	5	1.67	.....	8.2
11-7	do	4	1.38	.....	5.5
12-2	do	6	1.92	.....	10.8

LOOKING GLASS CREEK
East of Genoa

2-1	A. E. Johnston	7	0.80	.....	5.5

LOST CREEK
One-half Mile East of Oshkosh

1-7	A. E. Johnston	3	0.87	.....	2.7
1-23	do	3	.78	.....	2.1
2-11	do	4	1.50	.....	5.4
3-12	do	3	1.64	.....	5.7
4-17	do	10	2.06	.....	20.6
5-9	do	5	1.65	.....	7.9
6-3	do	4	1.01	.....	4.5
7-5	do	1	1.14	.....	1.6
8-28	do	4	1.11	.....	5.0
9-24	do	5	1.50	.....	7.8
10-28	do	5	.78	.....	3.6
11-7	do	5	.62	.....	3.1
12-2	do	5	.52	.....	2.6

LOUP RIVER, NORTH
Sec. 22-21-18 W.

1-30	A. E. Johnston	168	2.32	.....	388.0
5-1	do	207	4.44	.....	918.0
5-17	do	212	5.31	.....	1121.0
6-11	do	197	4.03	.....	795.0
8-15	do	168	2.79	.....	469.8
10-9	do	235	2.96	.....	697.0
11-15	do	203	2.93	.....	596.0
12-13	do	179	3.96	.....	710.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LOUP RIVER, NORTH
Sec. 14-21-16 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-10	A. E. Johnston	352	2.56	——	901.0
11-17	do	950	1.06	——	1003.0
12-15	do	351	3.15	——	1109.0

LOUP RIVER, NORTH
Sec. 14-15-10 W.

1-30	A. E. Johnston	654	——	3.00	1578.0
2-1	do	422	2.86	3.10	1210.0
2-28	do	353	3.61	1.50	1271.0
3-27	do	434	2.80	——	1218.0
4-23	do	559	2.55	1.90	1425.0
6-12	do	403	2.35	1.70	947.0
8-16	do	516	2.58	——	1331.0
9-10	do	514	2.04	1.80	1045.0
10-10	do	483	2.27	1.78	1095.0
11-17	do	532	2.16	1.80	1151.0
12-15	do	407	3.38	1.74	1374.7

LOUP RIVER, NORTH
St. Paul
U. S. G. S. Station

1-6	Campbell and LeFever	562	——	——	730.0
2-23	D. S. Jenkins	414	——	1.73	1130.0
3-20	F. F. LeFever	444	——	1.69	1090.0
4-3	do	419	——	1.67	900.0
4-18	do	533	——	1.98	1760.0
5-3	do	534	——	1.98	1400.0
5-21	do	570	——	1.96	1420.0
6-6	do	657	——	2.09	1540.0
6-19	do	501	——	1.65	1020.0
7-5	H. P. Eisenhuth	405	——	1.50	771.0
7-17	do	348	——	1.36	625.0
8-7	do	441	——	1.51	769.0
8-28	D. S. Jenkins	376	——	1.66	873.0
9-16	R. E. Cabell	430	——	1.64	794.0

LOUP RIVER, MIDDLE
Dunning

5-2	A. E. Johnston	147	3.07	——	452.0
6-11	do	143	4.08	——	582.0
10-9	do	154	3.24	——	500.0
11-15	do	141	3.67	——	518.0
12-13	do	128	3.94	——	504.0

LOUP RIVER, MIDDLE
Sec. 9-19-19 W.

6-11	A. E. Johnston	271	4.33	——	1200.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LOUP RIVER, MIDDLE
Sargent—Sec. 11-19-18 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-29	A. E. Johnston	361	2.94	——	1059.0
5-2	do	277	4.67	——	1296.0
5-19	do	292	5.50	——	1602.0
8-15	do	270	3.63	——	980.0
10-9	do	276	3.70	——	1021.0
11-15	do	223	3.67	——	1119.0
12-13	do	251	4.88	——	1221.0

LOUP RIVER, MIDDLE
Sec. 10-14-10 W.

3-1	A. E. Johnston	288	4.09	1.30	1179.0
3-29	do	279	3.87	——	1079.0
4-23	do	322	4.08	1.25	1314.0
6-12	do	414	4.50	1.15	1861.0
8-16	do	689	3.80	1.56	2624.0
9-10	do	319	3.82	1.36	1217.0
10-10	do	528	3.69	1.25	1948.0
11-17	do	497	2.92	1.60	1450.0
12-15	do	867	1.86	1.40	1615.0

LOUP RIVER, MIDDLE
St. Paul
U. S. G. S. Station

1-7	LeFever and Campbell	815	——	——	819.0
2-23	D. S. Jenkins	628	——	1.34	1790.0
3-20	F. F. LeFever	329	——	1.27	1100.0
4-3	do	296	——	1.27	923.0
4-18	do	824	——	2.00	3360.0
5-3	do	455	——	1.46	1500.0
5-21	do	365	——	1.15	1600.0
6-7	do	432	——	.91	1630.0
6-19	do	1470	——	2.54	7620.0
6-23	do	383	——	.90	1300.0
7-5	H. P. Eisenhuth	420	——	1.18	954.0
7-18	do	351	——	1.14	753.0
8-2	do	398	——	1.25	866.0
8-6	do	360	——	1.14	781.0
8-29	D. S. Jenkins	380	——	1.19	1030.0

LOUP RIVER, SOUTH
Callaway

5-5	A. E. Johnston	84	1.69	——	142.0
6-10	do	74	1.89	——	139.0
8-14	do	59	1.25	——	74.0
10-8	do	104	.73	——	76.0
11-14	do	72	1.16	——	83.5
12-12	do	73	1.67	——	122.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LOUP RIVER, SOUTH
Pleasanton

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-29	A. E. Johnston	79	1.82	.....	143.0
5-1	do	163	3.58	.....	585.0
5-20	do	171	3.07	.....	525.0
6-10	do	154	3.04	.....	467.0
8-14	do	415	4.80	.....	1997.0
10-8	do	101	2.16	.....	218.0
11-14	do	77	2.61	.....	201.0
12-12	do	115	2.14	.....	246.9

LOUP RIVER
Genoa
U. S. G. S. Station

2-24	D. S. Jenkins	791	.....	1.68	3190.0
3-7	do	1460	.....	2.34	5130.0
3-21	F. F. LeFever	748	.....	1.24	2660.0
4-4	do	932	.....	1.80	2130.0
5-3	do	1420	.....	2.09	3690.0
5-19	do	1290	.....	1.98	4560.0
5-22	do	997	.....	1.84	3580.0
6-9	do	768	.....	1.14	3020.0
6-21	do	1490	.....	1.91	7730.0
7-7	H. P. Eisenhuth	904	.....	1.50	2280.0
7-18	do	788	.....	1.39	1650.0
8-2	do	771	.....	1.42	1900.0
8-7	do	804	.....	1.45	1850.0
8-28	D. S. Jenkins	766	.....	1.47	2030.0
9-18	R. E. Cabell	798	.....	1.29	1990.0

LOUP RIVER
Columbus

3-3	A. E. Johnston	358	2.54	1.90	908.0
3-28	do	825	3.54	.....	2922.0
4-25	do	782	4.31	3.25	3377.0
6-13	do	1024	3.64	3.00	3730.0
8-17	do	1100	3.26	3.65	3597.0
9-11	do	851	3.82	3.10	3252.0
10-13	do	2843	5.55	5.15	15759.0
11-18	do	949	3.31	3.40	3133.0
12-17	do	867	3.89	3.40	3371.0

LOUSE CREEK
Sec. 12-32-10 W.

2-27	A. E. Johnston	5	2.00	.....	10.1
3-25	do	7	2.10	.....	14.5
9-9	do	4	2.00	.....	7.6
12-18	do	6	1.97	.....	12.2

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

LOVELY CREEK
Sec. 35-2-14 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-29	A. E. Johnston	3	1.81	.....	4.8
6-20	do	2	.92	.....	1.7
9-16	do	1	.43	.....	.3
10-16	do	1	1.31	.....	1.7
11-24	do	1	1.20	.....	1.2

McGUIRES SLOUGH
Sec. 21-6-40 W.

1-3	C. E. Franklin	2.8	1.14	.....	3.2
3-9	do	2.4	1.04	.....	2.5
3-21	do	2.8	1.25	.....	3.5
4-19	do	3.3	1.12	.....	3.7
5-3	do	2.6	1.08	.....	2.8
5-16	do	3.2	1.28	.....	4.1
5-31	do	3.2	.87	.....	2.8
6-20	do	3.2	.90	.....	2.9
7-11	do	2.5	.72	.....	1.8
7-31	do	2.8	1.03	.....	2.9
8-9	do	2.4	1.08	.....	2.6
8-29	do	3.2	.91	.....	2.9
9-11	do	2.8	.93	.....	2.6
9-21	do	2.6	.96	.....	2.5
10-13	do	3.0	1.04	.....	3.1
10-29	do	2.6	1.11	.....	2.9
11-12	do	2.7	1.11	.....	3.0
12-2	do	3.0	1.00	.....	3.0

MEDICINE CREEK
Sec. 15-8-29 W.

10-18	A. E. Johnston	44.8	0.56	.....	25.1

MEDICINE CREEK
Sec. 18-4-25 W.

2-7	C. E. Franklin	74.0	0.68	.....	50.0
2-25	do	72.0	1.09	.....	79.0
3-11	do	42.0	1.58	.....	67.0
3-24	do	49.0	1.32	.....	65.0
4-21	do	119.0	.79	.....	94.0
5-6	do	98.0	.75	.....	74.0
6-3	do	193.0	3.25	.....	626.0
6-21	do	157.0	.95	.....	149.0
7-13	do	140.0	.80	.....	112.0
8-12	do	196.0	1.13	.....	221.0
8-27	do	142.0	.21	.....	30.0
9-24	do	77.0	.39	.....	30.0
10-15	do	210.5	.51	.....	107.6
10-31	do	81.8	.50	.....	40.7
11-14	do	78.0	1.03	.....	80.4
12-5	do	83.0	.91	.....	75.6

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

MELBETA SEEP
Sec. 24-21-54 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-10	A. E. Johnston	3.4	1.50	——	5.1
2-14	do	2.7	1.93	——	5.2
3-26	A. W. Hall	2.5	1.40	——	3.5
4-9	do	2.2	1.32	0.50	2.9
5-20	do	3.6	1.38	.75	4.9
6-10	do	2.3	1.57	.75	3.6
7-2	do	——	——	——	.0
7-18	do	1.1	1.63	——	1.8
8-18	do	8.3	1.65	——	13.7
9-5	do	1.6	.94	——	1.5
10-3	C. E. Franklin	5.0	1.64	——	8.2
10-18	do	2.8	1.39	——	3.9
11-5	do	4.0	1.60	——	6.4
11-18	do	4.8	2.07	——	10.0
12-4	A. E. Johnston	4.2	2.07	——	8.7

MINNECHUDUZA CREEK
Sec. 28-34-27 W.

2-26	A. E. Johnston	28.0	2.52	——	71.0
3-24	do	25.0	2.48	——	61.0
5-16	do	38.0	3.19	——	123.0
9-8	do	26.3	.41	——	10.8

MIRA CREEK
Sec. 26-18-13 W.

10-10	A. E. Johnston	2.8	0.61	——	1.7
11-17	do	2.5	1.40	——	3.5
12-15	do	2.5	1.48	——	3.7

MITCHELL SPILLWAY
Sec. 35-23-56 W.

2-15	A. E. Johnston	17.0	1.30	——	22.0
3-11	A. W. Hall	12.0	1.83	——	23.0
4-11	do	——	——	——	.0
4-24	do	11.0	1.26	——	14.0
6-28	do	——	——	——	.0
7-18	do	——	——	——	.0
8-12	do	41.0	2.56	——	10.5
9-11	do	——	——	——	.0
9-25	do	——	——	——	.0
10-21	C. E. Franklin	——	——	——	.0
11-6	do	——	——	——	.0
11-23	do	——	——	——	.0
12-5	A. E. Johnston	——	——	——	.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

MORRILL DRAIN
Sec. 13-23-57 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
2-17	A. E. Johnston	5.1	0.87	.....	4.5
3-10	A. W. Hall	.....	.....	.....	.5
4-11	do	1.0	.15	.....	.1
4-24	do	.....	.....	.....	.5
5-21	do	3.3	.32	.....	1.0
6-13	do	.5	.74	.....	.3
6-27	do	.....	.....	.....	.3
7-30	do	6.4	.53	.....	3.4
8-12	do	3.5	2.83	1.80	9.9
9-9	do	9.0	.99	.....	8.9
9-24	do	5.0	.96	.....	4.8
10-2	C. E. Franklin	4.6	1.02	.....	4.7
10-21	do	3.5	.94	.....	3.3
11-7	do	1.0	1.80	.....	1.8
11-23	do	3.3	.79	.....	2.6
12-5	A. E. Johnston	3.0	.70	.....	2.1

MUDDY CREEK
Sec. 16-4-23 W.

2-7	C. E. Franklin	4.0	0.70	.....	2.8
2-25	do	4.6	.98	.....	4.5
3-11	do	3.0	.97	.....	2.9
3-24	do	4.4	.86	.....	3.8
4-21	do	8.2	1.17	.....	9.6
5-6	do	10.8	1.47	.....	15.9
6-3	do	9.6	1.70	.....	16.3
6-21	do	31.0	.54	.....	16.6
7-13	do	4.0	.92	.....	3.7
8-12	do	2.6	.96	.....	2.5
8-27	do	2.0	.80	.....	1.6
9-10	do	17.0	1.44	.....	24.5
9-24	do	1.4	.75	.....	1.1
10-15	do	6.4	.78	.....	5.1
10-31	do	1.4	1.29	.....	1.8
11-14	do	2.8	1.18	.....	3.3
12-5	do	1.3	.77	.....	1.0

MUDDY CREEK
Sec. 16-16-19 W.

1-31	A. E. Johnston	4.0	1.08	.....	4.3
5-3	do	5.0	1.69	.....	8.4
5-20	do	26.2	.86	.....	22.4
6-10	do	15.7	.36	.....	5.7
8-14	do	33.7	.55	.....	18.6
10-8	do	6.6	.30	.....	2.0
11-14	do	3.5	1.08	.....	3.8
12-12	do	3.7	1.27	.....	4.7

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

MUDDY CREEK
Sec. 31-15-17 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-29	A. E. Johnston	19.0	1.38	.....	26.0
5-1	do	42.9	1.77	.....	76.0
5-20	do	37.0	1.25	.....	47.0
6-10	do	21.0	1.19	.....	25.0
8-14	do	62.4	2.20	.....	137.0
10-8	do	16.1	1.10	.....	17.7
11-14	do	19.8	1.55	.....	30.7
12-12	do	16.8	1.28	.....	21.6

MUD CREEK
Sec. 29-13-15 W.

1-29	A. E. Johnston	25.0	1.64	.....	41.0
5-1	do	62.1	1.75	.....	108.0
5-20	do	141.4	1.61	.....	227.0
6-10	do	33.0	1.33	.....	44.0
8-14	do	136.0	2.06	.....	280.0
10-8	do	25.5	1.03	.....	26.3
11-14	do	26.5	1.40	.....	37.2
12-12	do	30.1	1.31	.....	39.6

NEMAHA RIVER, NORTH FORK
Tecumseh

11-22	A. E. Johnston	33.3	1.20	.....	39.9

NIOBRARA RIVER
Sec. 20-31-58 W.

3-19	A. E. Johnston	7.2	1.78	.....	12.8
9-2	do	5.7	1.44	.....	8.2
9-30	do	6.4	1.43	.....	9.2
10-31	do	6.6	1.55	.....	10.2

NIOBRARA RIVER
Sec. 9-29-56 W.

3-18	A. E. Johnston	21.0	1.42	.....	29.0
9-2	do	32.0	3.34	.....	10.8
9-30	do	26.0	.50	.....	13.2
10-31	do	14.0	1.43	.....	20.7

NIOBRARA RIVER
Sec. 7-28-55 W.

3-18	A. E. Johnston	14.0	2.59	0.70	38.0
9-2	do	11.6	1.63	.40	18.9
10-1	do	12.1	1.43	.40	17.4

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

NIOBRARA RIVER
Sec. 7-28-53 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-18	A. E. Johnston	18.0	2.85	.....	52.0
9-1	do	15.7	2.12	.....	33.0
10-1	do	17.5	1.37	.....	24.0

NIOBRARA RIVER
Sec. 4-28-53 W.

3-18	A. E. Johnston	21.0	2.06	.....	44.0

NIOBRARA RIVER
Sec. 5-28-51 W.

2-20	A. E. Johnston	73.0	2.63	.....	119.0
3-18	do	47.0	1.53	.....	72.0
5-13	do	36.0	1.31	.....	47.0
9-1	do	33.0	1.38	.....	46.0
10-1	do	24.6	1.27	.....	31.0
10-30	do	32.6	1.63	.....	53.0

NIOBRARA RIVER
Sec. 27-29-48 W.

2-20	A. E. Johnston	48.0	2.72	0.70	132.0
5-13	do	66.0	1.90	1.40	125.0
9-1	do	34.9	1.48	1.05	51.8
9-27	do	26.0	1.81	1.10	47.0
11-3	do	34.0	2.10	1.20	73.0

NIOBRARA RIVER
Gordon
U. S. G. S. Station

1-17	LeFever and Campbell	64.0	.....	.....	121.0
3-16	D. S. Jenkins	65.0	.....	0.36	221.0
4-11	F. F. LeFever	78.0	.....	.64	187.0
5-15	do	87.0	.....	.36	323.0
7-14	do	56.0	.....	.48	107.0
7-16	H. P. Eisenhuth	54.0	.....	.34	93.0
8-19	do	66.0	.....	.56	118.0
9-26	D. S. Jenkins	63.0	.....	.74	179.0

NIOBRARA RIVER
Crane Bridge, South of Eli

2-24	A. E. Johnston	251.0	3.44	.....	867.0
3-21	do	144.0	2.96	.....	427.0
5-15	do	208.0	2.85	.....	595.0
9-6	do	135.0	2.20	.....	297.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

NIOBRARA RIVER
Valentine
U. S. G. S. Station

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-17	LeFever and Campbell	447.0	.....	.....	768.0
3-16	D. S. Jenkins	212.0	.....	1.08	988.0
4-11	F. F. LeFever	196.0	.....	1.06	876.0
5-14	do	317.0	.....	1.48	1790.0
7-12	do	251.0	.....	1.29	712.0
7-16	H. P. Eisenhuth	254.0	.....	1.24	747.0
8-19	do	280.0	.....	1.31	790.0
9-26	D. S. Jenkins	204.0	.....	1.34	850.0

NIOBRARA RIVER
Sec. 28-34-27 W.

2-26	A. E. Johnston	266.0	4.34	.....	1158.0
3-24	do	258.0	4.16	.....	1075.0
5-16	do	318.0	5.31	.....	1691.0
9-8	do	22.8	4.16	.....	950.0

NIOBRARA RIVER
Five Miles South of Lynch

2-27	A. E. Johnston	492.0	3.99	.....	1963.0
3-25	do	453.0	3.08	1.55	1392.0
9-9	do	483.0	1.77	.80	851.0
12-18	do	516.0	3.45	.90	1780.0

NORFOLK RIVER
Below Mill at Norfolk

1-3	A. E. Johnston	65.0	1.05	.....	68.0
6-14	do	47.0	1.98	.....	93.0

OAK CREEK
Capital Beach, near Lincoln

3-4	A. E. Johnston	14.3	0.85	.....	12.1
4-1	do	10.0	1.07	.....	10.7
4-28	do	16.1	.86	.....	13.8
6-19	do	27.0	.98	.....	26.4
9-15	do	8.7	.61	.....	5.3
11-21	do	72.0	1.02	.....	73.0

OTTER CREEK
Sec. 9-15-40 W.

1-7	A. E. Johnston	13.0	1.77	.....	23.4
1-23	do	16.0	1.55	.....	25.0
2-11	do	16.0	1.42	.....	23.0
3-12	do	13.0	2.11	.....	28.0
4-12	do	13.4	2.17	.....	29.0
4-17	do	13.0	2.06	.....	26.3
5-9	do	14.0	2.15	.....	31.0
6-4	do	14.0	2.20	.....	30.0
6-20	A. W. Hall	7.1	1.51	.....	10.7

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

OTTER CREEK—Continued

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
7-23	A. E. Johnston	2.3	.91	.....	2.1
7-25	do	11.0	2.00	.....	22.0
8-2	do	6.0	1.41	.....	9.0
8-4	do	11.0	1.11	.....	20.0
8-7	do	11.8	2.23	1.60	26.0
8-11	do	12.0	2.02	.80	24.0
8-27	do	14.0	2.14	2.10	30.5
9-23	do	13.0	2.12	1.95	28.0
10-28	do	13.0	2.22	2.10	29.0
11-7	do	14.0	2.48	2.05	34.0
12-2	do	16.0	2.12	2.20	33.0

PAPILLION CREEK, LITTLE
Sec. 35-15-13 W.

2-4	A. E. Johnston	10.6	0.70	.....	7.4
3-4	do	12.5	.40	.....	5.1
3-31	do	8.1	.88	.....	7.1
4-26	do	10.4	.63	.....	6.6
6-18	do	10.6	.59	.....	6.3
8-18	do	18.3	1.09	.....	20.0
9-13	do	9.0	.39	.....	3.5
10-14	do	9.2	.36	.....	3.3
11-20	do	47.8	1.50	.....	71.6
12-20	do	4.8	1.40	.....	6.7

PAWNEE CREEK
Sec. 4-12-27 W.

1-4	A. E. Johnston	17.0	0.65	.....	11.1
1-27	do	8.9	.64	.....	5.7
2-7	do	11.5	.95	.....	10.8
3-8	do	8.6	1.41	.....	12.1
4-5	do	12.6	.70	.....	8.8
4-21	do	25.4	.59	.....	15.0
5-6	do	22.4	.54	.....	12.1
5-22	do	26.0	.53	.....	13.8
6-7	do	20.8	.45	.....	9.4
6-24	do	15.4	.53	.....	8.2
7-3	do	9.4	.67	.....	6.3
7-7	do	7.4	.99	.....	7.3
7-19	do	12.6	.43	.....	5.5
7-29	do	3.1	1.64	.....	5.1
7-31	do	5.6	1.18	.....	6.6
8-13	do	7.4	.90	.....	6.7
8-22	do	6.1	.79	.....	4.8
9-19	do	8.4	1.12	.....	9.4
10-6	do	8.4	1.12	.....	9.4
10-21	do	9.4	1.25	.....	11.8
10-24	do	11.0	.94	.....	10.3
11-12	do	10.4	1.35	.....	14.1
11-28	do	17.5	1.55	.....	27.0
12-11	do	14.6	1.49	.....	21.8

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

PEPPER CREEK
Sec. 35-30-48 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
9-27	A. E. Johnston	.....	.....	.....	0.5
11-3	do	1.1	0.73	.....	.8

PINE CREEK
Sec. 33-30-44 W.

2-24	A. E. Johnston	17.7	1.47	.....	25.9
3-21	do	18.1	1.78	.....	32.2
5-15	do	18.4	1.70	.....	31.2
9-5	do	17.7	2.02	.....	35.7

PINE CREEK
Below Mill at Long Pine

5-17	A. E. Johnston	34.0	1.91	.....	64.0

PLUM CREEK
Sec. 22-32-22 W.

5-17	A. E. Johnston	148.0	3.05	.....	452.0

PLUM CREEK
U. P. R. R. Bridge

11-6	A. E. Johnston	7.5	1.04	.....	7.8
12-3	do	5.0	1.34	.....	6.7

PONCA CREEK
Sec. 14-33-10 W.

2-27	A. E. Johnston	12.7	1.39	.....	17.7
3-25	do	21.3	1.41	.....	30.0
9-9	do	62.0	1.65	.....	102.0

PRAIRIE CREEK
Sec. 24-16-3 W.

3-1	A. E. Johnston	9.1	1.43	.....	12.9
3-28	do	12.2	1.12	.....	13.7
4-24	do	19.6	1.97	.....	38.5
6-13	do	113.1	2.14	.....	242.0
8-16	do	33.4	.58	.....	19.6
9-11	do	32.7	.44	.....	14.4
10-11	do	28.5	.34	.....	9.7
11-18	do	29.8	.26	.....	7.8
12-16	do	27.3	.51	.....	14.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

PUMPKINSEED CREEK
Gering-Kimball Highway

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-11	C. E. Franklin	8.0	1.16	.....	9.8
1-27	do	5.5	1.42	.....	7.8
2-17	do	8.5	2.05	.....	17.4
4-25	do	1.0	1.00	.....	1.0
5-9	do	5.8	1.84	.....	10.7
5-23	do	8.4	1.99	.....	16.7
6-9	do	4.8	1.77	.....	8.5
6-27	do	1.6	.75	.....	1.2
8-23	do	4.5	1.31	.....	5.9
9-26	A. E. Johnston	30.5	2.52	.....	76.9
10-8	C. E. Franklin	5.5	1.83	.....	10.1
10-26	do	6.1	1.44	.....	8.8
11-10	do	9.8	1.40	.....	13.7
11-28	do	6.9	2.57	.....	17.7

PUMPKINSEED CREEK
Sec. 28-19-50 W.

3-24	A. W. Hall	18.0	1.77	0.68	33.0
4-21	do	9.0	1.18	.25	10.0
5-26	do	24.0	2.31	.90	54.0
7-23	do	14.0	1.08	.25	9.4
8-8	do	5.6	1.03	.30	5.8
8-22	do	11.0	1.32	.38	14.5
9-4	do	13.0	1.91	.55	24.9
11-8	C. E. Franklin	18.0	2.02	.56	36.4
11-25	do	17.6	2.28	.....	40.0

PUMPKINSEED CREEK
Sec. 12-19-50 W.

1-9	A. E. Johnston	26.0	2.34	.....	61.0
1-22	do	22.0	3.08	.....	68.0
2-12	do	28.0	3.00	.....	86.0
3-14	do	26.0	2.52	.....	66.0
3-24	A. W. Hall	21.0	2.01	0.60	46.0
4-15	A. E. Johnston	27.0	2.44	.....	65.0
4-22	A. W. Hall	18.0	2.19	.35	39.0
5-12	A. E. Johnston	36.0	3.00	.....	108.0
5-26	A. W. Hall	29.0	2.18	.80	62.0
7-5	do	12.5	2.06	.20	25.9
7-15	do	20.0	2.29	.50	45.9
7-23	do	15.2	2.10	.30	31.9
8-9	do	18.9	2.15	.50	40.7
8-19	do	24.2	2.26	.60	54.9
10-7	C. E. Franklin	29.0	2.86	1.00	83.0
11-6	A. E. Johnston	24.8	2.47	.60	61.2

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

RED BIRD CREEK
Sec. 11-32-10 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-27	A. E. Johnston	27.0	1.92	.....	52.0
3-25	do	19.0	2.11	.....	39.0
9-9	do	14.0	2.12	.....	30.0
12-18	do	17.4	1.95	.....	34.0

RED WILLOW CREEK
Sec. 6-20-51 W.

1-15	A. E. Johnston	27.0	1.81	.....	49.0
2-14	do	30.0	1.81	.....	53.0
3-25	A. W. Hall	22.0	1.81	.....	39.0
4-8	do	15.0	2.02	.....	29.0
4-22	do	13.0	2.25	.....	30.0
5-14	do	52.0	2.44	.....	127.0
5-31	do	46.0	3.47	.....	160.0
7-14	do	2.0	1.63	.....	3.6
8-18	do	88.0	3.42	.....	300.0
8-25	do	57.0	3.72	.....	212.0
9-23	do	28.0	2.99	.....	83.6
10-24	C. E. Franklin	19.2	2.60	.....	50.0
11-4	do	33.8	2.40	.....	81.4
11-19	do	40.5	1.69	.....	68.5
12-4	A. E. Johnston	31.6	2.40	.....	76.1

RED WILLOW CREEK
Sec. 17-3-28 W.

2-6	C. E. Franklin	22.0	0.93	.....	21.0
2-25	do	32.0	1.14	.....	36.0
3-11	do	21.0	1.29	.....	27.0
3-23	do	28.0	1.09	.....	30.0
4-21	do	32.0	1.39	.....	45.0
5-6	do	28.0	1.28	.....	36.0
5-19	do	47.0	1.66	.....	78.0
6-3	do	29.0	1.10	.....	32.0
6-21	do	46.0	.85	.....	39.0
7-13	do	63.0	1.65	.....	104.0
8-12	do	42.0	.83	.....	35.0
8-27	do	17.0	.85	.....	14.0
9-10	do	28.0	.85	.....	33.0
9-24	do	14.0	.82	.....	11.4
10-6	do	43.0	3.16	.....	136.0
10-15	do	85.0	1.26	.....	108.0
10-17	A. E. Johnston	62.8	1.10	.....	69.5
10-31	C. E. Franklin	45.0	1.11	.....	50.4
11-14	do	30.3	1.54	.....	46.7
12-5	do	18.4	1.25	.....	23.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

REPUBLICAN RIVER
Sec. 9-1-42 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
1-4	C. E. Franklin	40.0	2.16	.....	85.0
2-8	do	40.0	1.60	.....	63.0
2-27	do	39.0	1.53	.....	59.0
3-13	do	47.0	2.26	.....	106.0
3-27	do	49.0	1.58	.....	77.0
4-23	do	34.0	1.75	.....	59.0
5-8	do	29.0	1.51	.....	44.0
5-20	do	39.0	1.65	.....	64.0
6-5	do	49.0	2.14	.....	104.0
6-24	do	25.0	1.28	.....	33.0
7-16	do	30.0	1.80	.....	54.0
8-1	do	21.0	1.46	.....	31.0
8-14	do	26.0	1.35	.....	35.0
8-30	do	31.5	1.62	.....	51.0
9-12	do	17.5	1.53	.....	21.9
9-26	do	21.0	1.71	.....	34.0
10-16	do	41.0	2.12	.....	87.0
11-1	do	37.6	2.04	.....	76.0
11-15	do	52.3	1.36	.....	71.0
12-6	do	53.0	1.75	.....	93.0

REPUBLICAN RIVER
Sec. 11-1-42 W.

5-8	C. E. Franklin	21.3	1.60	.....	34.0
5-20	do	38.6	2.05	.....	79.0
6-5	do	48.0	2.01	.....	97.0
6-24	do	22.0	1.67	.....	37.0
7-16	do	35.0	1.83	.....	64.0
8-1	do	25.5	1.34	.....	34.0
8-14	do	27.0	1.48	.....	40.0
8-30	do	35.0	1.43	.....	50.0
9-12	do	21.5	1.25	.....	26.8
11-15	do	40.5	1.44	.....	58.5
12-6	do	54.5	1.61	.....	88.0

REPUBLICAN RIVER, NORTH FORK
Sec. 19-1-37 W.

1-4	C. E. Franklin	82.0	1.53	.....	125.0
2-8	do	160.0	1.52	.....	243.0
2-27	do	48.0	3.19	.....	153.0
3-13	do	53.0	1.34	.....	70.0
3-25	do	82.0	2.01	.....	165.0
4-22	do	47.0	1.15	.....	54.0
5-7	do	47.0	1.45	.....	69.0
5-20	do	112.0	1.74	.....	194.0
6-5	do	161.0	2.71	.....	435.0
6-24	do	40.0	1.75	.....	69.0
7-16	do	38.0	1.20	.....	45.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

REPUBLICAN RIVER, NORTH FORK—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
8-1	C. E. Franklin	40.0	2.07	.....	83.0
8-13	do	30.0	1.26	.....	38.0
8-30	do	39.0	.95	.....	37.0
9-12	do	47.0	1.08	.....	51.0
9-26	do	21.0	1.09	.....	23.0
10-16	do	73.0	2.28	.....	167.0
11-1	do	74.0	2.30	.....	171.0
11-15	do	60.5	1.79	.....	108.0
12-6	do	34.5	3.25	.....	112.0

REPUBLICAN RIVER, SOUTH FORK
Sec. 19-1-37 W.

1-4	C. E. Franklin	28.0	0.90	.....	25.0
2-8	do	74.0	1.31	.....	97.0
2-27	do	39.0	1.58	.....	62.0
3-13	do	35.0	1.13	.....	39.0
3-25	do	38.0	1.06	.....	40.0
4-22	do	42.0	1.12	.....	47.0
5-7	do	39.0	1.24	.....	48.0
5-20	do	107.0	1.94	.....	207.0
6-5	do	132.0	1.95	.....	257.0
6-24	do	24.0	1.23	.....	29.0
7-16	do	.....	.....	.....	1.0
8-1	do	38.0	1.86	.....	71.0
8-13	do	67.0	1.52	.....	102.0
8-30	do	52.0	1.08	.....	56.0
9-12	do	56.0	1.07	.....	60.0
9-26	do	28.0	.93	.....	26.0
10-16	do	49.0	1.20	.....	59.0
11-1	do	45.5	.98	.....	44.0
11-15	do	40.0	1.07	.....	43.0
12-6	do	42.5	1.55	.....	66.0

REPUBLICAN RIVER
Max
U. S. G. S. Station

3-18	F. F. LeFever	112.0	.....	1.46	174.0
4-17	do	132.0	.....	1.58	225.0
5-1	do	93.0	.....	1.48	136.0
5-19	do	170.0	.....	1.78	412.0
7-2	H. P. Eisenhuth	17.8	.....	1.11	19.0
8-4	do	63.0	.....	1.20	67.0
8-30	D. S. Jenkins	103.0	.....	1.44	159.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

REPUBLICAN RIVER
Sec. 17-3-31 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-5	C. E. Franklin	44.0	1.71	.....	75.0
2-24	do	121.0	2.00	.....	242.0
3-10	do	166.0	1.48	.....	246.0
3-22	do	140.0	1.57	.....	219.0
4-20	do	95.0	1.11	.....	105.0
5-5	do	163.0	1.33	.....	216.0
5-19	do	299.0	1.85	.....	552.0
6-1	do	66.0	1.79	.....	118.0
6-4	do	147.0	1.77	.....	259.0
6-22	do	56.0	1.75	.....	98.0
7-11	do	.....	.....	.....	.0
7-29	do	78.0	1.78	.....	138.7
8-11	do	31.0	.87	.....	27.0
8-26	do	89.0	1.71	.....	152.0
9-9	do	174.0	1.22	.....	212.0
9-23	do	49.0	.77	.....	38.0
10-14	do	145.0	1.48	.....	215.0
10-30	do	72.5	1.36	.....	99.0
11-13	do	48.0	2.62	.....	126.0
12-3	do	114.0	2.27	.....	259.0

REPUBLICAN RIVER
Sec. 31-3-29 W.

2-5	C. E. Franklin	89.0	1.34	.....	119.0
2-24	do	219.0	2.14	.....	469.0
3-12	do	196.0	2.27	.....	444.0
3-23	do	192.0	2.04	.....	391.0
4-20	do	177.0	2.22	.....	392.0
5-5	do	154.0	2.02	.....	310.0
5-19	do	355.0	2.60	.....	921.0
6-1	do	183.0	1.81	.....	331.0
6-4	do	287.0	2.06	.....	592.0
6-22	do	121.0	1.55	.....	188.0
7-29	do	140.0	1.96	.....	275.0
8-11	do	52.0	1.67	.....	87.0
8-26	do	128.0	1.86	.....	238.0
9-9	do	145.0	2.07	.....	300.0
9-23	do	60.0	1.78	.....	107.0
10-14	do	315.0	1.83	.....	578.0
10-18	do	231.0	2.44	.....	565.0
10-30	do	182.0	1.75	.....	318.0
11-13	do	216.0	1.51	.....	327.0
12-3	do	282.0	2.38	.....	673.0

REPUBLICAN RIVER
Sec. 22-4-24 W.

2-7	C. E. Franklin	232.0	2.25	.....	522.0
2-25	do	275.0	1.65	.....	454.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

REPUBLICAN RIVER
Oxford

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-30	A. E. Johnston	1208.0	3.97	.....	4781.0
10-17	do	411.0	2.17	.....	942.6

REPUBLICAN RIVER
Bloomington
U. S. G. S. Station

1-8	LeFever and Campbell	214.0	.....	.....	327.0
3-19	F. F. LeFever	220.0	.....	1.91	498.0
4-17	do	507.0	.....	3.31	1380.0
5-2	do	586.0	.....	3.95	1970.0
5-20	do	596.0	.....	4.01	1970.0
7-3	H. P. Eisenhuth	215.0	.....	1.50	400.0
8-5	do	176.0	.....	1.34	272.0
8-29	D. S. Jenkins	200.0	.....	1.46	350.0

REPUBLICAN RIVER
Bostwick

3-6	A. E. Johnston	432.0	1.97	.....	849.0
4-2	do	329.0	1.80	.....	593.0
4-29	do	645.0	1.31	.....	847.0

REPUBLICAN RIVER
Superior

6-20	A. E. Johnston	974.0	3.51	.....	2707.0
9-16	do	588.0	1.31	.....	770.0
10-16	do	1373.0	3.08	.....	4227.0
11-24	do	892.0	2.00	.....	1780.0

ROCK CREEK
Sec. 21-1-39 W.

1-4	C. E. Franklin	11.0	1.65	.....	17.0
2-8	do	12.0	1.16	.....	14.0
2-27	do	10.0	1.57	.....	15.0
3-13	do	10.0	1.80	.....	18.0
3-25	do	11.0	1.48	.....	16.0
4-23	do	12.0	1.26	.....	15.0
5-7	do	8.8	1.59	.....	14.0
5-20	do	9.6	1.67	.....	16.0
6-5	do	11.0	1.59	.....	17.0
6-24	do	9.0	1.64	.....	15.0
7-16	do	8.0	1.50	.....	12.0
8-1	do	8.0	1.43	.....	12.0
8-14	do	13.0	1.45	.....	18.0
8-30	do	9.0	1.30	.....	12.0
9-12	do	8.4	1.62	.....	14.0
9-26	do	8.0	1.65	.....	13.0
10-16	do	10.0	1.43	.....	15.0
11-1	do	11.0	1.61	.....	18.0
11-15	do	9.2	1.38	.....	12.0
12-6	do	12.0	1.25	.....	15.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

ROCK CREEK
Sec. 12-32-22 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
5-17	A. E. Johnston	2.9	1.94	.....	5.6

RUSH CREEK
Sec. 17-17-45 W.

3-13	A. E. Johnston	1.8	1.06	.....	1.9
4-15	do	.....	.....	.....	0.0
8-29	do	4.8	1.05	.....	5.1
9-26	do	3.4	1.76	.....	6.0
10-29	do	.6	1.33	.....	.9
11-6	do	1.2	1.08	.....	1.3
12-3	do	3.4	1.60	.....	5.5

SALT CREEK
Sec. 2-9-6 E.

2-4	A. E. Johnston	99.0	0.67	.....	67.0
3-4	do	8.0	.73	.....	6.0
4-1	do	6.0	1.30	.....	8.0
4-28	do	10.0	1.31	.....	13.0
6-19	do	9.0	.79	.....	7.0
8-20	do	241.0	2.12	.....	513.0
9-15	do	7.5	.91	.....	6.8
10-15	do	.....	.....	.....	3.0
11-21	do	138.0	1.81	.....	250.6

SAND CREEK
Sec. 10-15-40 W.

1-7	A. E. Johnston	3.0	1.66	.....	5.0
1-23	do	3.2	1.18	.....	3.7
2-11	do	3.0	1.60	.....	4.8
3-12	do	2.7	1.85	.....	5.0
4-12	do	2.0	2.05	.....	4.1
4-17	do	2.4	1.63	.....	3.9
5-9	do	2.6	1.62	.....	4.2
6-4	do	3.2	2.00	.....	6.4
6-20	A. W. Hall	4.5	1.74	.....	7.8
7-23	A. E. Johnston	2.3	1.48	.....	3.4
7-25	do	1.3	.88	.....	1.1
8-2	do	2.3	1.74	.....	4.0
8-4	do	2.5	1.60	.....	4.0
8-7	do	2.1	1.43	.....	3.0
8-11	do	2.9	1.27	.....	3.7
8-27	do	2.5	1.52	.....	3.8
9-23	do	2.2	1.41	.....	3.1
10-28	do	2.2	1.59	.....	3.5
11-7	do	2.7	1.74	.....	4.7
12-2	do	4.6	1.70	.....	7.8

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

SAND CREEK
One-half Mile East of Callaway

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
5-3	A. E. Johnston	1.6	1.49	.....	2.4
6-10	do	3.3	1.45	.....	4.7

SANDY CREEK, BIG
Sec. 22-3-1 E.

10-15	A. E. Johnston	19.0	1.48	.....	29.0

SARBEN SLOUGH
Sec. 20-14-35 W.

11-1	A. E. Johnston	3.6	1.28	.....	4.6
11-8	do	2.1	2.04	.....	4.3

SCHLAGEL CREEK
Sec. 24-33-28 W.

2-25	A. E. Johnston	8.7	1.60	.....	13.9
3-24	do	8.4	1.85	.....	15.5
5-16	do	12.7	1.54	.....	19.5
9-8	do	7.7	1.95	.....	15.0

SCOTTSBLUFF DRAIN
Sec. 25-22-55 W.

1-14	A. E. Johnston	12.0	1.84	.....	22.0
2-19	do	10.0	1.19	.....	11.4
3-11	A. W. Hall	4.6	1.72	.....	7.9
3-26	do	4.0	1.63	.....	6.5
4-9	do	6.6	1.12	.....	7.4
4-23	do	4.8	1.07	.....	5.1
7-18	do	12.3	1.38	.....	17.0
8-13	do	19.2	1.05	.....	20.2
9-11	do	18.7	1.14	.....	21.3
10-3	C. E. Franklin	14.2	1.56	.....	22.2
10-18	do	12.3	1.67	.....	20.6
11-6	do	12.0	1.48	.....	17.8
11-22	do	12.0	1.59	.....	19.0
12-6	A. E. Johnston	8.8	1.82	.....	16.0

SHEEP CREEK
Sec. 21-23-57 W.

1-13	A. E. Johnston	29.0	2.80	.....	81.0
2-18	do	35.0	2.51	.....	89.0
3-27	A. W. Hall	30.0	2.36	2.90	70.0
4-10	do	29.0	2.43	1.70	71.0
4-25	do	29.0	2.54	.....	75.0
5-21	do	28.0	2.81	.....	78.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

SHEEP CREEK—Continued

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
6-27	A. W. Hall	4.0	1.27	.....	5.1
7-30	do	2.8	.79	.....	2.2
8-12	do	19.0	1.05	.....	20.0
9-11	do	11.0	1.10	.....	22.0
9-24	do	14.4	1.03	.....	14.9
10-2	C. E. Franklin	41.0	2.93	.....	120.0
10-21	do	37.0	3.65	.....	135.0
11-7	do	35.8	3.53	.....	126.8
11-23	do	37.2	3.12	.....	116.0
12-6	A. E. Johnston	36.0	3.01	.....	108.9

SHELL CREEK
Sec. 12-17-3 E.

3-3	A. E. Johnston	19.0	1.64	.....	31.0
3-29	do	23.0	1.25	.....	29.0
4-25	do	26.0	1.66	.....	44.0
6-17	do	28.0	1.54	.....	43.0
8-18	do	19.0	1.61	.....	31.0
9-12	do	16.8	1.03	.....	17.4
10-13	do	17.3	1.36	.....	23.5
11-19	do	16.3	1.47	.....	23.9
12-20	do	24.3	1.13	.....	27.5

SILVER CREEK
Sec. 6-15-3 W.

1-3	A. E. Johnston	2.7	0.67	.....	1.8
3-1	do	3.7	1.19	.....	4.4
3-28	do	2.9	1.24	.....	3.6
4-24	do	3.3	1.43	.....	4.7
6-13	do	104.0	.61	.....	64.0
8-16	do	1.0	1.10	.....	1.1
9-11	do	1.5	.80	.....	1.2
10-11	do	1.4	.79	.....	1.1
11-18	do	3.3	1.15	.....	3.8
12-16	do	2.5	1.08	.....	2.7

SILVERNAIL DRAIN
Sec. 6-19-49 W.

1-9	A. E. Johnston	6.0	1.50	.....	9.0
2-13	do	5.0	1.66	.....	9.0
3-15	do	3.0	2.39	.....	8.0
3-25	A. W. Hall	4.0	1.37	.....	6.0
4-8	do	6.0	1.53	.....	9.0
4-21	do	4.0	1.31	.....	5.0
5-12	A. E. Johnston	7.0	1.14	.....	8.0
5-28	do	7.0	1.56	.....	11.0
6-2	do	7.0	1.52	.....	10.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

SILVERNAIL DRAIN—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-20	A. W. Hall	4.9	1.47	.....	7.2
7-10	do	4.5	1.51	.....	6.8
8-20	do	6.7	1.03	.....	6.9
9-4	do	6.4	1.45	.....	9.3
9-26	A. E. Johnston	14.0	2.14	.....	30.0
11-6	do	7.8	2.12	.....	16.5
12-3	do	10.1	1.52	.....	15.3

SKUNK CREEK
Sec. 1-14-37 W.

1-6	A. E. Johnston	3.0	1.22	.....	3.7
2-10	do	4.5	1.92	.....	8.6
3-11	do	1.9	1.00	.....	1.9
4-11	do	2.5	1.23	.....	3.1
4-17	do	3.8	1.11	.....	4.2
6-4	do	2.3	1.27	.....	2.9
7-11	do	.8	.62	.....	.5
7-17	do	1.7	1.18	.....	2.0
7-25	do	1.5	1.40	.....	2.1
8-2	do	.4	.49	.....	.1
8-7	do	2.3	1.09	.....	2.5
8-12	do	1.9	1.05	.....	2.0
8-27	do	2.0	1.10	.....	2.2
9-23	do	1.3	1.84	.....	2.4
10-3	do	1.7	1.59	.....	2.7
10-27	do	1.7	1.30	.....	2.2
11-8	do	1.8	1.83	.....	3.3

SMITH PUMP
Ord

8-15	A. E. Johnston	2.5	1.04	.....	2.6

SNAKE CREEK
Below Kilpatrick Reservoir

10-1	A. E. Johnston	0.5	1.20	.....	0.6
10-30	do	1.3	.54	.....	.7

SNAKE CREEK
Sec. 8-24-48 W.

2-20	A. E. Johnston	21.1	0.40	.....	8.5
3-17	do	26.5	.38	.....	10.2
5-13	do	97.0	.99	.....	96.1
8-30	do	.....	.....	.....	.0
9-27	do	.....	.....	.....	.0
11-4	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

SNAKE RIVER
Sec. 9-31-30 W.

Date	Hydrographer	Area	Velocity	Gage	Sec.-Ft.
2-25	A. E. Johnston	102.0	2.96	.....	302.0
3-22	do	85.0	3.29	.....	278.0
5-16	do	98.0	3.55	.....	348.0
9-6	do	108.0	3.23	.....	350.0

SNELL AND NINE MILE DRAINS
Sec. 25-21-53 W.

1-10	A. E. Johnston	46.0	2.60	.....	120.0
2-14	do	43.0	2.73	.....	118.0
3-26	A. W. Hall	38.0	2.45	1.15	93.0
4-9	do	34.0	2.94	1.15	100.0
4-23	do	35.0	2.43	2.05	86.0
5-20	do	51.0	2.22	1.30	113.0
6-10	do	46.0	2.56	1.20	118.0
7-18	do	75.0	2.61	1.80	196.0
8-18	do	96.0	2.80	2.55	268.0
10-5	C. E. Franklin	104.0	2.60	.....	270.0
11-5	do	84.0	2.60	.....	216.0
11-19	do	92.0	2.02	.....	186.0
12-5	A. E. Johnston	49.6	3.33	.....	165.4

SOLDIER CREEK
Sec. 19-31-52 W.

2-21	A. E. Johnston	3.8	1.26	.....	4.8
3-19	do	5.4	1.87	.....	10.1
5-14	do	4.5	2.06	.....	9.3
9-3	do	1.3	.92	.....	1.2
9-30	do	2.4	1.79	.....	4.3
10-31	do	3.7	1.92	.....	7.1

SOW BELLY CREEK
Sec. 33-33-55 W.

2-21	A. E. Johnston	3.1	1.06	.....	3.3
3-19	do	2.0	1.83	.....	3.6
7-22	A. W. Hall	1.2	.58	.....	.7
9-3	A. E. Johnston	1.4	1.21	.....	1.7
9-30	do	1.6	1.31	.....	2.1
11-1	do	2.3	1.39	.....	3.1

SPOTTED TAIL CREEK, DRY
Sec. 28-23-56 W.

1-11	A. E. Johnston	20.0	2.20	1.20	44.0
2-17	do	21.0	2.03	1.40	43.0
3-11	A. W. Hall	16.0	1.71	1.30	28.0
4-11	do	15.0	1.68	1.35	25.0
4-24	do	15.0	1.55	1.30	23.0
5-22	do	20.0	2.04	1.55	40.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

SPOTTED TAIL CREEK, DRY—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
6-13	A. W. Hall	19.0	2.01	1.40	39.0
6-28	do	21.0	2.15	1.50	45.0
7-26	do	35.0	3.22	2.10	115.0
8-12	do	28.0	2.56	.80	72.0
9-9	do	34.0	3.03	.....	103.0
9-24	do	28.0	3.00	.55	84.0
10-2	C. E. Franklin	31.0	2.16	.....	68.0
10-21	do	35.0	2.74	.....	95.3
11-6	do	40.0	2.10	.....	85.5
11-23	do	18.0	1.86	.....	33.5
12-5	A. E. Johnston	34.0	1.58	.....	53.7

SPOTTED TAIL CREEK, WET
Sec. 10-23-56 W.

1-11	A. E. Johnston	12.0	1.33	.....	16.0
2-18	do	12.0	1.24	.....	15.0
5-22	A. W. Hall	7.0	1.78	.....	13.0*
6-7	do	7.0	1.61	.....	11.0*
6-13	do	8.0	1.48	.....	11.0*
6-26	do	13.0	2.30	.....	30.0*
7-12	do	12.0	2.08	.....	25.0*
8-12	do	17.0	2.18	.....	37.0*
9-10	do	17.0	2.30	.....	39.0*
9-24	do	14.0	2.16	.....	30.0*

*Diverted into Tri-State Canal

SPOTTED TAIL CREEK, WET AND KRONBERG SEEP
Sec. 1-22-56 W.

1-11	A. E. Johnston	9.0	1.89	1.70	17.0
2-15	do	9.0	1.49	.75	13.0
4-11	A. W. Hall	11.0	1.36	.....	14.0
4-24	do	5.0	1.34	.....	7.0
6-11	do	9.0	1.30	.75	11.5
8-12	do	22.0	1.56	.....	34.8
9-11	do	13.5	1.60	.....	21.6
9-25	do	12.3	1.68	.....	21.0
10-2	C. E. Franklin	11.4	1.42	.....	16.0
10-21	do	23.8	1.10	.....	26.0
11-6	do	18.3	.89	.....	16.0
11-23	do	16.0	1.37	.....	22.0
12-5	A. E. Johnston	13.1	1.08	.....	14.0

SPRING CREEK
Sec. 9-34-18 W.

2-26	A. E. Johnston	9.6	2.16	.....	20.7
3-24	do	5.6	2.09	.....	11.7
9-8	do	5.0	1.68	.....	8.4

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

SPRING CREEK
Tributary to Little Cottonwood

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-22	A. E. Johnston	3.1	0.81	——	2.5
3-20	do	4.4	.66	——	2.9
5-14	do	3.8	.47	——	1.8
9-4	do	2.6	.74	——	3.5
9-29	do	1.7	.47	——	.8
11-1	do	.8	1.12	——	.9

SQUAW CREEK
Sec. 12-31-32 W.

2-21	A. E. Johnston	1.8	1.16	——	2.1
3-19	do	1.7	.87	——	1.5
5-14	do	3.8	.67	——	2.6
9-4	do	.3	1.66	——	.5
9-29	do	.4	1.50	——	.6
11-1	do	.9	1.00	——	.9

SQUAW CREEK
Sec. 1-31-52 W.

2-21	A. E. Johnston	0.4	1.15	——	0.5
3-19	do	.6	.83	——	.5
5-14	do	.5	.46	——	.3
9-3	do	.8	.25	——	.2
9-29	do	6.1	1.15	——	7.0
11-1	do	2.8	1.14	——	3.2

STEWARTS DRAIN
Sec. 13-23-57 W.

1-13	A. E. Johnston	1.2	1.83	——	2.2
2-17	do	1.8	1.22	——	2.2
3-10	A. W. Hall	.7	1.20	——	.8
4-11	do	.4	.20	——	.8
4-24	do	.4	.94	——	.4
5-21	do	.5	.96	——	.4
6-13	do	——	——	——	.0
6-27	do	——	——	——	.0
7-30	do	.6	.84	——	.5
9-9	do	4.6	.70	——	3.2
9-24	do	1.9	1.26	——	2.4
10-2	C. E. Franklin	3.2	.63	——	2.0
10-21	do	1.3	1.31	——	1.7
11-7	do	1.2	1.25	——	1.5
11-23	do	2.0	1.15	——	2.3
12-5	A. E. Johnston	.8	1.62	——	1.3

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

STINKING WATER CREEK
Sec. 25-5-34 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-4	C. E. Franklin	85.0	0.72	.....	60.0
2-23	do	53.0	1.21	.....	64.0
3-10	do	40.0	1.24	.....	49.0
3-22	do	37.0	1.22	.....	45.0
4-20	do	50.0	1.18	.....	58.0
5-5	do	53.0	1.01	.....	54.0
5-18	do	58.0	.69	.....	39.0
6-1	do	60.0	1.12	.....	66.0
6-23	do	94.0	.38	.....	36.0
7-11	do	79.0	.13	.....	10.0
7-29	do	44.0	.69	.....	30.0
8-9	do	71.0	.37	.....	26.0
8-29	do	70.0	0.41	.....	29.0
9-8	do	82.0	1.08	.....	89.0
9-22	do	71.0	.38	.....	20.0
10-14	do	63.0	1.00	.....	63.0
10-29	do	56.0	.86	.....	48.0
11-12	do	42.0	.78	.....	33.0
12-3	do	44.0	.83	.....	37.0

STREVER CREEK
Sec. 14-9-21 W.

1-4	A. E. Johnston	.....	.....	.....	5.0
1-28	do	3.0	0.78	.....	3.0
2-6	do	5.0	1.16	.....	6.0
3-7	do	6.0	1.38	.....	8.0
4-4	do	3.0	.91	.....	3.0
4-22	do	13.0	1.32	.....	17.0
5-5	do	17.0	1.52	.....	25.0
5-21	do	24.0	1.95	.....	47.0
6-9	do	27.0	1.93	.....	52.0
6-23	do	22.0	1.62	.....	36.0
6-26	do	11.0	.95	.....	10.0
7-1	do	6.0	1.21	.....	7.0
7-2	do	5.0	1.26	.....	6.0
7-16	do	6.0	.37	.....	2.0
7-20	do	1.0	1.28	.....	2.0
9-18	do	6.0	.89	.....	6.0
10-7	do	18.0	1.78	.....	32.0
10-22	do	25.0	1.63	.....	40.0

STREVER CREEK
Sec. 14-9-21 W.

1-4	A. E. Johnston	11.0	1.73	.....	19.0
1-28	do	11.0	1.34	.....	15.0
2-6	do	9.0	1.61	.....	14.0
3-7	do	8.0	2.08	.....	17.0
4-4	do	9.0	1.70	.....	16.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

STREVER CREEK—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-22	A. E. Johnston	27.0	1.76	.....	47.0
5-5	do	29.0	1.15	.....	34.0
5-21	do	57.0	2.03	.....	116.0
6-9	do	47.0	2.27	.....	107.0
6-23	do	43.0	1.77	.....	75.0
6-26	do	25.0	1.51	.....	37.0
7-1	do	20.0	1.76	.....	35.0
7-2	do	21.0	1.51	.....	32.0
7-8	do	19.0	1.64	.....	31.0
7-16	do	14.0	1.71	.....	25.0
7-20	do	13.0	1.31	.....	17.0
7-30	do	13.0	1.37	.....	18.0
8-13	do	16.0	1.27	.....	20.0
8-21	do	33.0	1.71	.....	56.0
9-18	do	17.0	1.54	.....	27.0
10-7	do	30.0	1.92	.....	58.0
11-13	do	18.0	1.61	.....	29.0
11-26	do	19.0	1.76	.....	33.0
12-11	do	23.0	1.62	.....	37.0

STREVER CREEK
Sec. 13-9-21 W.

1-4	A. E. Johnston	5.0	1.00	.....	5.0
7-30	do	2.0	.33	.....	1.0
8-13	do	4.0	.89	.....	4.0

STREVER CREEK
Sec. 1-8-19 W.

7-30	A. E. Johnston	14.0	1.36	.....	20.0
8-13	do	17.0	1.58	.....	27.0
8-21	do	35.0	1.80	.....	64.0
9-18	do	23.0	1.61	.....	38.0
10-7	do	35.0	1.61	.....	56.0
10-22	do	34.0	1.07	.....	36.4
11-13	do	24.0	1.15	.....	27.7
11-26	do	23.0	1.40	.....	32.3
12-11	do	24.0	1.47	.....	35.6

THOMPSON CREEK
Sec. 2-1-13 W.

3-6	A. E. Johnston	19.0	1.40	.....	27.0
4-2	do	12.0	1.47	.....	17.0
4-29	do	19.0	1.71	.....	33.0
6-20	do	25.0	2.16	.....	55.0
9-16	do	13.0	1.23	.....	16.0
10-16	do	12.0	1.50	.....	18.0
11-24	do	13.0	1.74	.....	24.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

TIMBER CREEK, BIG
Sec. 32-1-37 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-4	C. E. Franklin	----	----	----	1.0
3-13	do	1.4	0.79	----	1.1
3-25	do	1.6	.78	----	1.2
6-24	do	1.4	.84	----	1.2
8-1	do	1.8	.67	----	1.2
8-13	do	1.4	.79	----	1.1
8-30	do	1.6	.61	----	.9
9-26	do	1.6	.75	----	1.2
10-16	do	1.5	.80	----	1.2
11-1	do	1.8	.89	----	1.6
11-15	do	2.3	.86	----	2.0

TIMBER CREEK, BIG
Belgrade-Fullerton Highway

3-26	A. E. Johnston	9.4	0.28	----	2.6

TOOHEY DRAIN
Sec. 20-23-56 W.

1-13	A. E. Johnston	3.9	1.20	----	4.7
2-17	do	1.6	1.31	----	2.1
3-11	A. W. Hall	2.0	1.15	----	2.3
4-11	do	1.5	1.43	----	2.1
4-24	do	1.6	.98	----	1.6
5-22	do	3.2	1.31	----	4.2
6-13	do	1.2	1.15	----	1.4
6-27	do	2.5	1.28	----	3.2
7-30	do	2.7	1.18	----	3.2
8-12	do	3.0	1.16	----	3.5
9-9	do	7.7	.91	----	7.0
9-23	do	6.1	.82	----	5.0
10-2	C. E. Franklin	4.8	1.35	----	6.5
10-21	do	5.6	1.75	----	9.8
11-6	do	2.8	1.50	----	4.2
11-23	do	5.5	1.31	----	7.2
12-5	A. E. Johnston	3.8	1.10	----	4.2

TOOHEY SPILLWAY
Sec. 19-23-56 W.

1-13	A. E. Johnston	20.0	1.15	----	23.0
2-17	do	18.0	1.00	----	18.0
3-10	A. W. Hall	16.0	.90	----	15.0
4-11	do	17.0	.95	4.55	16.0
4-24	do	15.0	.94	4.50	14.0
5-22	do	----	----	----	.0
6-13	do	----	----	----	.0
6-27	do	----	----	----	.0
7-18	do	----	----	----	.0
8-12	do	----	----	----	.0
9-10	do	41.0	2.90	5.70	119.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

TOOHEY SPILLWAY—Continued

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
10-2	C. E. Franklin	33.0	.99	——	33.0
10-21	do	32.0	.68	——	21.0
11-7	do	24.0	1.03	——	25.0
11-23	do	36.0	.89	——	32.0
12-5	A. E. Johnston	16.0	1.19	——	19.4

TRUNK BUTTE CREEK
Sec. 25-33-50 W.

3-20	A. E. Johnston	2.7	0.50	——	1.4
9-4	do	.6	.83	——	.5
11-1	do	1.1	.83	——	.9

TUB SPRINGS
Sec. 8-22-55 W.

1-11	A. E. Johnston	23.0	2.20	——	51.0
2-15	do	22.0	2.02	——	45.0
3-11	A. W. Hall	17.0	1.98	0.40	33.0
4-9	do	13.0	1.88	.35	24.0
4-24	do	14.0	2.15	.45	30.0
5-22	do	21.0	2.04	.60	43.0
8-12	do	33.0	2.70	2.00	89.0
9-11	do	56.0	2.50	2.40	140.0
10-2	C. E. Franklin	38.0	2.58	——	98.0
10-18	do	28.0	2.40	——	68.0
11-6	do	27.0	2.28	——	62.0
11-22	do	26.0	2.25	——	59.0
12-5	A. E. Johnston	29.0	1.85	——	55.0

TUB SPRINGS
Sec. 33-23-55 W.

5-22	A. W. Hall	30.0	1.57	——	47.0
6-7	do	19.0	1.81	——	34.0
6-11	do	31.0	1.38	——	43.0
6-28	do	54.0	.94	——	51.0
7-18	do	30.0	1.90	——	57.0
7-30	do	40.0	2.12	——	85.0
8-12	do	47.0	1.83	——	86.0

TUB SPRINGS
Sec. 32-23-55 W.

5-22	A. W. Hall	24.0	1.65	1.00	39.0
6-7	do	20.0	1.57	1.25	31.0
6-11	do	19.6	1.57	1.22	31.0
6-28	do	4.1	1.54	.65	6.3
7-18	do	25.0	2.20	1.55	55.0
8-12	do	33.0	2.48	1.75	82.0
9-11	do	54.0	2.31	2.50	125.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

TURKEY CREEK
Sec. 4-1-16 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
3-7	A. E. Johnston	10.0	1.60	.....	17.0
4-3	do	12.0	1.75	.....	21.0
4-30	do	19.0	1.72	.....	32.0
6-21	do	27.0	1.70	.....	45.0
9-17	do	6.0	1.59	.....	10.0
10-17	do	16.0	1.69	.....	27.0
11-25	do	15.0	1.55	.....	24.0

TURTLE CREEK
Sec. 36-20-15 W.

8-15	A. E. Johnston	1.0	1.30	.....	1.3
10-10	do	.8	1.37	.....	1.1
11-17	do	1.1	.82	.....	.9
12-15	do	2.3	1.22	.....	2.8

UNION CREEK
Below Mill at Madison

1-3	A. E. Johnston	16.0	0.75	.....	12.0
6-14	do	59.0	.90	.....	54.0
12-17	do	47.2	.56	.....	26.4

VICTORIA CREEK
Sec. 1-19-21 W.

5-2	A. E. Johnston	9.1	1.46	.....	13.3
5-19	do	15.9	1.55	.....	24.6
6-11	do	10.2	1.52	.....	15.5
10-9	do	8.8	1.15	.....	10.1
11-15	do	12.3	.94	.....	11.5
12-13	do	14.0	.72	.....	10.1

VERDIGREE CREEK
St. Verdigree

1-2	A. E. Johnston	61.0	1.34	.....	82.0
6-16	do	53.0	1.74	.....	93.0
12-18	do	35.0	2.93	.....	104.0

WAHOO CREEK
Sec. 35-13-9 E.

3-4	A. E. Johnston	55.0	0.87	.....	48.0
3-31	do	39.0	.82	.....	32.0
4-26	do	55.0	.99	.....	54.0
6-18	do	52.0	1.01	.....	52.0
8-19	do	387.0	2.19	.....	847.0
9-13	do	35.0	1.16	.....	41.0
10-14	do	48.0	1.30	.....	63.0
11-20	do	154.0	1.68	.....	259.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

WARBONNET CREEK
Below Junction with Jim Creek

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
7-22	A. W. Hall	0.6	0.67	.....	0.4
7-22	do	1.0	.90	.....	.9

WHISTLE CREEK
Sec. 12-28-54 W.

3-18	A. E. Johnston	1.1	1.60	.....	1.8
9-1	do	.....	.....	.....	.0
10-1	do	.....	.....	.....	.4

WHITE CLAY CREEK
Sec. 2-31-52 W.

2-21	A. E. Johnston	8.1	0.79	.....	6.4
3-19	do	6.6	.95	.....	6.3
5-14	do	5.5	1.15	.....	6.3
9-3	do	4.1	.61	.....	2.5
9-29	do	3.1	.84	.....	2.6
11-1	do	6.5	.80	.....	5.2

WHITE HORSE CREEK
Sec. 5-13-29 W.

1-27	A. E. Johnston	20.4	0.85	.....	16.9
2-7	do	30.2	1.31	.....	39.5
3-8	do	18.7	1.26	.....	23.5
4-5	do	9.7	2.20	.....	21.4
4-21	do	18.2	2.16	.....	39.4
5-6	do	23.6	1.97	.....	46.4
5-22	do	26.0	2.24	.....	58.0
6-7	do	13.7	1.31	.....	18.0
6-25	do	12.5	1.72	.....	22.0
7-7	do	6.0	1.23	.....	7.0
7-12	do	7.0	.98	.....	6.5
8-23	do	7.0	1.02	.....	7.0
9-19	do	6.0	1.23	.....	8.0
10-6	do	15.0	1.43	.....	22.0
10-21	do	20.0	1.05	.....	21.0
10-24	do	16.0	1.75	.....	28.0
11-12	do	13.1	1.88	0.65	24.6
11-28	do	20.9	2.09	1.08	43.7
12-11	do	17.4	1.84	1.00	32.1

WHITE RIVER
Sec. 26-32-52 W.

2-22	A. E. Johnston	18.0	2.63	.....	48.0
3-20	do	15.0	2.56	.....	38.0
5-14	do	14.0	2.27	.....	32.0
9-4	do	10.0	1.67	.....	16.0
9-29	do	6.0	1.56	.....	10.0
11-1	do	10.0	2.00	.....	20.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

WHITE RIVER
Below Whitney Diversion Dam

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
2-22	A. E. Johnston	29.0	1.15	0.85	33.0
3-20	do	22.0	1.66	——	36.0
5-14	do	29.0	1.19	.80	34.0
9-4	do	——	——	——	.0
9-29	do	——	——	——	.0
11-1	do	19.8	1.10	——	22.0

WHITE RIVER
Sec. 9-31-52 W.

2-21	A. E. Johnston	23.5	1.69	——	39.0
3-19	do	19.8	1.72	——	34.0
5-14	do	19.5	1.69	——	33.0
9-3	do	15.7	1.36	——	21.0
9-30	do	14.5	1.27	——	18.0
10-31	do	19.0	1.31	——	25.0

WHITE RIVER
Sec. 18-33-49 W.

2-22	A. E. Johnston	38.0	1.55	——	59.0
3-20	do	35.0	2.21	——	77.0
5-14	do	34.7	1.84	——	64.0
9-4	do	7.5	1.28	——	9.6
9-29	do	9.7	.94	——	9.0
11-3	do	18.7	1.35	——	25.0

WHITE TAIL CREEK
Sec. 36-15-38 W.

1-6	A. E. Johnston	14.0	1.92	——	27.0
1-23	do	16.0	1.77	——	28.0
2-10	do	16.0	2.41	——	37.0
3-11	do	17.0	1.96	——	33.0
4-11	do	14.0	2.42	——	33.0
4-17	do	16.0	2.29	——	35.6
6-4	do	18.3	2.30	——	42.0
7-11	do	9.7	1.63	1.20	15.8
7-17	do	9.0	1.18	1.10	11.0
7-22	do	15.0	2.20	1.40	33.0
7-25	do	15.5	2.13	1.45	33.0
8-2	do	11.0	1.72	1.25	19.0
8-4	do	16.0	2.20	1.40	35.0
8-7	do	18.0	1.94	1.40	35.0
8-11	do	12.0	1.97	——	23.0
8-12	do	11.0	1.82	1.25	20.0
8-27	do	13.0	1.97	1.24	25.0
9-23	do	15.0	1.87	1.26	28.0
10-3	do	14.0	2.38	1.30	33.0
10-27	do	20.0	1.96	1.40	39.0
11-8	do	18.0	2.30	1.45	41.0
12-2	do	21.0	1.95	1.25	41.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Continued

WILD HORSE DRAIN
Sec. 12-20-52 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-15	A. E. Johnston	21.0	1.95	1.00	41.0
2-14	do	24.0	1.73	1.00	41.0
3-25	A. W. Hall	15.0	1.61	.92	25.0
4-8	do	19.0	1.46	.85	28.0
4-21	do	16.0	1.51	.84	23.0
5-14	do	17.0	1.67	1.00	29.0
5-31	do	27.0	1.88	1.40	50.0
7-14	do	15.0	1.40	.70	21.0
8-18	do	29.0	1.96	.....	55.0
8-25	do	45.0	2.29	.85	103.0
9-23	do	36.0	2.44	.75	88.0
10-6	C. E. Franklin	44.0	2.86	.....	126.0
10-24	do	30.0	1.89	.....	58.0
11-4	do	29.0	2.10	.....	61.0
11-19	do	25.0	1.95	.....	49.0
12-5	A. E. Johnston	28.0	1.92	1.10	53.0

WILLOW CREEK
Sec. 15-14-35 W.

1-6	A. E. Johnston	0.8	1.00	.....	0.8
2-10	do	1.2	.88	.....	1.1
3-11	do	1.0	1.70	.....	1.7
4-11	do	1.0	1.48	.....	1.5
4-18	do	1.2	1.40	.....	1.6
5-8	do	.8	1.38	.....	1.1
6-5	do	.9	1.87	.....	1.8
6-30	do	.9	.79	.....	.8
7-5	do	.7	.86	.....	.6
7-10	do	.....	.....	.....	.0
7-22	do	.8	1.25	.....	1.0
7-28	do	1.4	1.26	.....	1.8
8-2	do	1.6	1.68	.....	2.7
8-4	do	1.7	.82	.....	1.4
8-26	do	1.0	1.62	.....	1.6
9-22	do	1.2	1.16	.....	1.4
10-27	do	.....	.....	.....	.0
11-8	do	1.2	1.17	.....	1.4
12-1	do	1.4	1.43	.....	2.0

WINTERS CREEK
Sec. 19-23-54 W.

5-20	A. W. Hall	30.0	2.51	1.15	74.0
6-6	do	39.0	2.01	1.90	78.0
6-10	do	40.0	1.68	2.05	67.0
6-28	do	50.0	1.51	2.40	75.0
7-18	do	54.0	2.26	2.70	122.0

DISCHARGE MEASUREMENTS OF STREAMS
Year of 1930—Concluded

WINTERS CREEK
Sec. 19-22-54 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
1-14	A. E. Johnston	33.0	2.30	1.95	76.0
2-19	do	25.0	2.29	1.90	57.0
3-11	A. W. Hall	26.0	2.13	1.90	55.0
3-26	do	27.0	2.03	1.90	50.0
4-9	do	40.0	1.54	1.85	62.0
4-22	do	26.0	1.67	1.80	43.0
6-10	do	7.8	.86	.80	6.7
6-28	do	6.0	.81	.86	4.8
7-13	do	33.0	3.06	2.65	101.0
7-18	do	18.0	1.94	1.80	35.0
8-13	do	57.0	3.15	3.00	178.0
9-11	do	46.0	2.63	2.80	121.0
10-3	C. E. Franklin	43.0	3.00	2.85	129.0
10-18	do	31.0	2.98	2.40	94.0
11-6	do	32.0	2.65	.....	84.0
11-22	do	27.0	2.77	.....	74.0
12-6	A. E. Johnston	26.0	2.82	.....	74.0

WOOD RIVER
Sec. 12-9-16 W.

5-1	A. E. Johnston	153.0	2.35	.....	360.0
5-20	do	109.0	1.47	.....	160.0
6-10	do	75.0	.83	.....	62.0
8-14	do	34.0	.26	.....	9.0
10-8	do	55.0	.69	.....	38.0
11-14	do	36.0	1.39	.....	5.0
12-12	do	34.0	.19	.....	6.5

WOOD RIVER
Wood River

1-4	A. E. Johnston	.....	.....	.....	0.0
4-23	do	44.8	1.03	.....	46.3

WOOD RIVER
Grand Island

3-27	A. E. Johnston	6.8	1.59	.....	10.8
9-11	do	124.0	2.50	.....	309.0
10-11	do	36.0	1.45	.....	52.0
12-16	do	16.0	1.67	.....	27.0

SAND HILL LAKES
GAGE HEIGHT RECORDS SHOWING RISE AND FALL OF WATER SURFACE
Year of 1930

CARNINE LAKE
Sec. 2-22-50 W.

DATE	HYDROGRAPHER	GAGE
2-20	A. E. Johnston	12.00
3-17	do	12.30
5-13	do	13.05

LAKE ELI
Sec. 12-34-36 W.

2-24	A. E. Johnston	11.00
3-21	do	11.00
5-15	do	11.40
9-6	do	10.20

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931

AKERS DRAW
Above Tri-State Canal—Sec. 12-23-27 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
5-14	A. W. Hall	17.3	7-25	A. W. Hall	12.0
5-23	do	8.8	8-25	F. F. LeFever	13.3
6-5	do	11.7	9-10	A. W. Hall	14.0
6-18	do	7.0			

ALLIANCE DRAIN
Above Tri-State Canal—Sec. 18-22-53 W.

8-11	A. W. Hall	18.3	8-26	A. E. Johnston	23.4

ANTELOPE CREEK
Main Street of Gordon

2-27	A. E. Johnston	1.7	6-17	A. E. Johnston	0.1
4-16	do	1.4	9-8	do	.0

ARICKAREE RIVER
Haigler—Sec. 28-1-41 W.

10-16	C. E. Franklin	16.1	4-27	C. E. Franklin	34.0
11-1	do	8.0	5-17	do	17.9
11-15	do	10.3	6-6	do	39.3
12-6	do	28.0	7-10	do	.0
1-23	A. E. Johnston	16.7	7-30	do	.0
3-18	C. E. Franklin	20.0	8-27	do	.0
4-10	do	33.0			

ARNOLD DRAIN
Torrington, Wyoming—Sec. 12-24-61 W.

12-6	A. E. Johnston	8.9	9-9	A. W. Hall	12.9
1-14	do	10.0	9-23	F. F. LeFever	15.1
2-19	do	13.7			

ASH CREEK, EAST
Sec. 32-32-50 W.

5-22	Johnston and Rasmussen	4.0	9-11	A. E. Johnston	0.1
6-20	A. E. Johnston	1.4			

ASH CREEK, WEST
Mouth—Sec. 24-32-51 W.

4-13	A. E. Johnston	2.1	5-22	Johnston and Rasmussen	2.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

ASH CREEK
Whitney—Sec. 7-32-50 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
11-1	A. E. Johnston	4.3	5-22	A. E. Johnston	3.0
1-16	do	6.5	6-20	do	.8
2-26	do	9.2	9-11	do	.9
4-13	do	7.0			

ASH CREEK
Lester—Sec. 3-1-10 W.

3-17	A. E. Johnston	19.0			

BALD DRAIN
Sec. 32-23-56 W.

3-12	A. W. Hall	5.3	6-26	A. W. Hall	6.0
3-25	do	4.0	8-7	do	4.3
5-14	do	18.4	8-24	F. F. LeFever	2.0
5-27	do	16.1	9-10	A. W. Hall	6.9
6-5	do	6.2	9-24	F. F. LeFever	2.0

BAYARD SUGAR FACTORY DRAIN
Sec. 34-21-52 W.

10-5	C. E. Franklin	85.6	4-8	A. W. Hall	33.0
10-24	do	61.7	5-2	do	49.0
11-4	do	70.0	5-15	do	35.0
11-19	do	77.0	6-6	do	45.1
12-4	A. E. Johnston	54.0	6-16	do	46.0
1-12	do	43.0	8-11	do	74.0
2-17	do	35.8	8-24	do	54.0
3-11	A. W. Hall	35.1	9-10	F. F. LeFever	54.0
3-25	do	32.7			

BAZILE CREEK
Bazile Mills—Sec. 4-29-5 W.

12-18	A. E. Johnston	23.0	5-2	A. E. Johnston	17.8
2-2	do	31.4	8-15	L. F. Hanks	8.0
3-10	do	31.0	8-28	do	1.2

BAZILE CREEK
Niobrara—Sec. 21-32-5 W.

5-2	A. E. Johnston	48.7			

BEAR CREEK
Beatrice—Sec. 36-4-6 E.

11-22	A. E. Johnston	6.7	3-14	A. E. Johnston	3.9
1-28	do	1.7	4-28	do	4.4

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

BEAR CREEK
Eli—Sec. 25-34-36 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
2-27	A. E. Johnston	43.0	9-10	A. E. Johnston	4.3
4-16	do	40.0	9-23	do	6.9

BEAUTY CREEK
Franklin—Sec. 31-2-14 W.

10-16	A. E. Johnston	0.5	5-8	C. E. Franklin	0.2
11-24	do	1.0	5-30	do	.1
1-27	do	.3	6-29	do	.2
3-17	do	.8	7-12	do	.1
4-2	C. E. Franklin	.7	8-10	do	1.0
4-21	do	.2	9-17	do	.0

BEAVER CREEK
Lebanon—Sec. 17-1-26 W.

10-17	A. E. Johnston	94.0

BEAVER CREEK
Beaver City—Sec. 22-2-23 W.

10-17	A. E. Johnston	273.0

BEAVER CREEK
Hollinger—Sec. 10-2-21 W.

10-17	A. E. Johnston	300.0

BEAVER CREEK
Orleans—Sec. 19-2-19 W.

10-15	C. E. Franklin	1043.0	11-14	C. E. Franklin	69.0
10-17	A. E. Johnston	14.3	12-5	do	74.0
10-31	C. E. Franklin	84.0			

BEAVER CREEK
Grandrapids—Sec. 8-33-15 W.

4-21	A. E. Johnston	7.0

BEAVER CREEK
Chadron—Sec. 34-35-47 W.

4-14	A. E. Johnston	3.0	5-25	A. E. Johnston	2.6

BEAVER RIVER
Albion—Sec. 15-20-6 W.

2-3	A. E. Johnston	88.5	8-15	L. F. Hanks	36.0
3-5	do	91.9	8-29	do	30.0
4-23	do	79.0	9-11	do	27.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

BIRDWOOD CREEK, EAST
Sec. 34-17-33 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
11-8	A. E. Johnston	5.1	1-7	A. E. Johnston	69.0

BIRDWOOD CREEK, WEST
Sec. 12-16-34 W.

1-7	A. E. Johnston	65.0			

BIRDWOOD CREEK
Sec. 10-15-33 W.

1-7	A. E. Johnston	178.0			

BIRDWOOD CREEK
O'Fallons—Sec. 2-14-33 W.

10-3	A. E. Johnston	267.7	6-25	A. E. Johnston	165.0
11-8	do	194.0	7-8	do	150.0
12-1	do	210.0	7-18	do	122.0
1-7	do	184.0	7-29	do	117.0
2-12	do	200.0	8-4	do	128.0
4-1	do	228.0	8-13	do	129.0
5-14	do	153.0	8-18	do	133.0
6-2	do	171.6	9-3	do	141.0
6-9	do	173.0	9-18	do	139.0

BLUE CREEK
Sec. 33-17-42 W.

7-21	A. W. Hall	46.0			

BLUE CREEK
Lewellen—Sec. 30-16-42 W.

10-28	A. E. Johnston	113.0	7-5	J. V. Ruzicka	55.4
11-7	do	128.0	7-9	A. E. Johnston	86.3
12-2	do	123.0	7-19	do	8.0
1-9	do	106.0	7-27	do	34.4
2-13	do	122.0	7-28	do	27.4
4-2	do	176.0	8-5	do	9.0
5-15	do	69.0	8-11	do	35.0
6-1	do	2.4	8-20	do	5.0
6-12	do	101.0	9-5	do	12.1
6-23	A. W. Hall	4.0	9-19	do	51.0
6-26	A. E. Johnston	1.0	9-30	do	60.0

BLUE RIVER, BIG
Seward—Sec. 28-11-3 E.

1-3	A. E. Johnston	78.9	9-5	L. F. Hanks	59.5
8-25	L. F. Hanks	2.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

BLUE RIVER, BIG
Beatrice—Sec. 4-3-6 E.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
11-15	A. E. Johnston	163.0	3-16	C. E. Franklin	323.5
11-22	do	1052.0	4-28	A. E. Johnston	318.7
1-28	do	295.0	8-25	L. F. Hanks	147.0
3-14	do	281.8			

BLUE RIVER, BIG
Barnston—Secs. 13 and 24-1-7 E.

4-7	C. E. Franklin	318.0	7-15	C. E. Franklin	640.0
4-23	do	260.0	8-11	do	684.0
5-10	do	730.0	8-25	L. F. Hanks	236.0
6-1	do	765.0	9-7	do	251.0
6-30	do	332.0	9-18	C. E. Franklin	29.0

BLUE RIVER, LITTLE
Kiowa—Sec. 20-3-4 W.

3-14	C. E. Franklin	105.0

BLUE RIVER, LITTLE
Hebron—Sec. 6-2-2 W.

10-16	A. E. Johnston	169.0	5-31	C. E. Franklin	135.0
11-24	do	353.0	6-29	do	115.0
1-27	do	125.0	7-14	do	100.0
3-16	do	113.0	8-11	do	1165.0
4-4	C. E. Franklin	137.0	8-26	L. F. Hanks	117.0
4-22	do	130.0	9-8	do	104.0
4-27	A. E. Johnston	194.0	9-17	C. E. Franklin	91.0
5-9	C. E. Franklin	207.0			

BLUE RIVER, LITTLE
Fairbury—Sec. 15-2-2 E.

10-15	A. E. Johnston	135.0	1-28	A. E. Johnston	203.0
11-24	do	304.0			

BLUE RIVER, LITTLE
Endicott—Sec. 3-1-3 E.

3-14	A. E. Johnston	170.2	4-27	A. E. Johnston	27.8
3-14	C. E. Franklin	176.6			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

BOGUS CREEK
St. Edward—Sec. 12-18-5 W.

DATE	HYDROGRAPHER	AREA	VELOCITY	GAGE	SEC.-FT.
4-23	A. E. Johnston	8.0			

BORDEAUX CREEK, BIG
Chadron—Sec. 14-33-48 W.

10-3	A. E. Johnston	3.5	6-21	A. E. Johnston	3.4
1-17	do	7.1	7-24	do	1.6
2-27	do	6.6	8-7	do	1.9
4-15	do	5.0	9-11	do	1.0
5-26	do	5.0	9-25	do	1.3

BORDEAUX CREEK, BIG
Below Thomas Canal—Sec. 34-34-48 W.

11-3	A. E. Johnston	9.6	7-24	A. E. Johnston	1.7
4-14	do	9.1	8-7	do	6.1
5-25	do	7.9	9-11	do	.8
6-21	do	5.5	9-25	do	1.9

BORDEAUX CREEK, LITTLE
Sec. 13-33-48 W.

11-3	A. E. Johnston	5.5	6-21	A. E. Johnston	0.5
1-17	do	4.0	7-24	do	.1
2-27	do	5.0	8-7	do	.2
4-15	do	5.5	9-11	do	.1
5-26	do	4.0	9-25	do	.0

BOW CREEK
Wynot—Sec. 11-32-2 E.

3-11	A. E. Johnston	54.4	5-1	A. E. Johnston	40.8

BOW CREEK
Wynot—Sec. 11-31-2 E.

3-11	A. E. Johnston	25.2

BROWN CREEK
Arlington—Sec. 18-17-10 E.

3-12	A. E. Johnston	11.0	4-30	A. E. Johnston	2.4

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

BUFFALO CREEK
Elm Creek—Sec. 33-9-18 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-7	A. E. Johnston	154.4	6-26	A. E. Johnston	12.0
10-22	do	59.0	7-3	do	10.2
11-13	do	19.7	7-6	do	17.0
11-26	do	19.3	7-12	do	8.0
12-11	do	20.4	7-13	do	10.0
1-5	do	8.5	7-15	do	9.0
2-9	do	9.3	7-16	do	9.0
3-25	do	12.5	7-31	do	2.0
5-11	do	31.0	8-3	do	1.0
6-3	Johnston and Wyant	30.4	8-15	do	1.0
6-8	A. E. Johnston	99.0	9-15	do	31.0
6-23	do	106.0	9-16	do	37.3

BUFFALO CREEK
Jenkins Ranch—Sec. 20-1-40 W.

10-16	C. E. Franklin	12.0	5-17	C. E. Franklin	11.5
11-1	do	12.7	6-6	do	16.1
11-15	do	11.0	6-27	do	11.1
12-6	do	14.0	7-10	do	7.1
1-23	A. E. Johnston	14.2	7-30	do	4.0
3-18	C. E. Franklin	10.2	8-27	do	10.0
4-10	do	13.0	9-26	do	11.4
4-27	do	16.0			

BULL DRAIN
Maxwell Drain—Sec. 19-13-28 W.

5-12	A. E. Johnston	4.6	7-14	A. E. Johnston	2.0
6-4	do	1.5	7-17	do	1.9
6-24	do	2.0	7-31	do	2.2
7-1	do	3.0	8-14	do	1.8
7-7	do	2.2	9-1	do	1.8

BURTON CREEK
Burton—Sec. 19-34-19 W.

3-3	A. E. Johnston	9.0	4-20	A. E. Johnston	5.0

CACHE CREEK
Ewing—Sec. 22-26-9 W.

12-18	A. E. Johnston	9.5	3-4	A. E. Johnston	14.0
2-2	do	16.4	4-22	do	15.4

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

CALAMUS RIVER
Taylor—Sec. 22-23-18 W.

Date	Hydrographer	Sec.-Ft.	Date	Hydrographer	Sec.-Ft.
10-9	A. E. Johnston	226.0	5-7	A. E. Johnston	231.0
11-15	do	261.0	8-17	L. F. Hanks	172.0
12-13	do	245.0	8-31	do	198.0
2-5	do	263.0	9-12	do	183.0
3-21	do	240.0			

CALLAWAY SPRING
Grandrapids—Sec. 2-23-15 W.

4-21	A. E. Johnston	0.8

CAMP CLARK SEEP
North Line—Sec. 9-20-51 W.

10-6	A. E. Johnston	6.1	4-8	A. W. Hall	2.0
10-24	do	3.4	5-2	do	1.3
11-4	do	5.0	5-15	do	.9
11-17	do	5.2	6-8	do	.9
12-4	do	5.7	6-16	do	3.0
1-12	do	2.6	7-16	do	2.0
2-17	do	2.4	8-24	A. E. Johnston	4.4
3-11	A. W. Hall	2.1	9-12	F. F. LeFever	5.0
3-24	do	1.3			

CEDAR CREEK
Sec. 11-18-48 W.

11-6	A. E. Johnston	12.0	6-24	A. E. Johnston	4.0
12-3	do	18.0	7-10	do	6.2
1-10	do	19.0	7-20	do	4.1
2-14	do	16.1	8-10	do	9.2
4-3	do	18.3	8-21	do	6.0
5-18	do	18.5	9-6	do	20.5
5-30	do	4.5	9-19	F. F. LeFever	24.3
6-13	do	5.0	9-21	A. E. Johnston	22.4
6-22	A. W. Hall	13.1	9-29	do	30.2
6-22	J. V. Ruzicka	14.2			

CEDAR BRANCH CREEK
Nevens—Sec. 17-14-35 W.

10-3	A. E. Johnston	1.8	6-25	A. E. Johnston	2.0
10-27	do	2.5	7-8	do	1.8
11-8	do	2.1	7-18	do	2.7
12-1	do	3.5	7-29	do	2.0
1-8	do	2.0	8-4	do	2.3
2-12	do	3.0	8-13	do	2.0
4-1	do	3.0	8-18	do	1.3
5-14	do	1.7	9-3	do	1.9
6-2	do	2.8	9-18	do	2.3
6-9	do	3.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

CEDAR RIVER
Fullerton—Sec. 11-16-6 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
11-18	A. E. Johnston	232.0	4-23	A. E. Johnston	208.0
12-6	do	294.0	8-14	L. F. Hanks	122.0
2-3	do	302.0	8-28	do	128.0
3-5	do	301.0	9-14	do	112.0
3-19	do	296.0			

CENTER CREEK
Franklin—Sec. 1-1-15 W.

10-17	A. E. Johnston	3.1	5-8	C. E. Franklin	3.0
11-25	do	4.0	5-29	do	4.6
1-27	do	1.9	6-28	do	.0
3-17	do	5.9	7-13	do	.8
4-2	C. E. Franklin	5.0	9-16	do	.0
4-21	do	8.0	9-29	do	.3

CHADRON CREEK NO. 1
One-half Mile above City Reservoir—Sec. 19-32-48 W.

11-3	A. E. Johnston	3.8	6-21	A. E. Johnston	3.1
1-17	do	5.0	7-24	do	2.3
2-26	do	5.0	8-7	do	2.3
4-14	do	5.0	9-11	do	.9
5-25	do	4.3	9-26	do	1.3

CHADRON CREEK NO. 2
One Hundred Feet below City Reservoir—Sec. 18-32-48 W.

11-3	A. E. Johnston	0.5	6-21	A. E. Johnston	0.0
1-17	do	.6	7-24	do	.0
2-26	do	1.5	8-7	do	.1
4-14	do	.5	9-11	do	1.0
5-25	do	.0	9-26	do	.2

CHADRON CREEK NO. 3
Station 36 of Pipe Line—Sec. 12-32-49 W.

11-3	A. E. Johnston	1.0	6-21	A. E. Johnston	0.0
1-17	do	.9	7-24	do	.0
2-26	do	2.2	8-7	do	.0
4-14	do	.4	9-11	do	.0
5-25	do	.0	9-26	do	.0

CHADRON CREEK NO. 4
Chadron-Crawford Highway—Sec. 22-33-49 W.

11-3	A. E. Johnston	1.0	6-20	A. E. Johnston	1.7
1-16	do	1.7	7-24	do	.0
2-26	do	6.2	9-11	do	.0
4-14	do	2.0	9-26	do	.0
5-25	do	2.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

CLEAR CREEK
Sec. 5-15-41 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-28	A. E. Johnston	9.7	6-26	A. E. Johnston	0.0
11-7	do	13.1	7-9	do	2.2
12-2	do	10.3	7-19	do	2.0
1-9	do	12.2	7-28	do	6.0
2-13	do	17.4	8-5	do	.0
4-2	do	15.6	8-12	do	.0
5-15	do	13.7	8-19	do	.0
6-1	do	.0	9-4	do	5.1
6-11	do	5.2	9-19	do	8.0
6-22	A. W. Hall	.0			

CLEAR CREEK
Litchfield—Sec. 26-14-16 W.

10-8	A. E. Johnston	7.9	5-9	A. E. Johnston	10.6
11-14	do	6.0	8-19	L. F. Hanks	.6
12-12	do	6.8	9-2	Hanks and Follansbee	.3
2-7	do	6.0	9-10	L. F. Hanks	.2
3-24	do	9.9			

CLEAR CREEK, UPPER
Ashland—Sec. 35-13-9 E.

10-14	A. E. Johnston	5.3	4-29	A. E. Johnston	14.4
11-20	do	12.8	8-24	L. F. Hanks	4.0
1-29	do	16.2	9-4	do	3.2
3-13	do	13.9			

CLEAR WATER CREEK
Clearwater—Sec. 6-25-7 W.

12-18	A. E. Johnston	54.5	3-4	A. E. Johnston	57.5
2-2	do	51.3	4-22	do	47.9

CLEVELAND DRAIN
Sec. 6-20-52 W.

10-6	C. E. Franklin	6.3	5-2	A. W. Hall	7.0
12-4	A. E. Johnston	3.3	6-17	do	7.0
1-12	do	1.6	7-8	do	4.0
2-17	do	1.5	8-12	Hall and LeFever	7.0
3-11	A. W. Hall	2.9	8-24	A. E. Johnston	4.4
3-25	do	1.1	9-11	F. F. LeFever	4.0
4-3	do	2.9			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

COLD WATER CREEK
Sec. 34-18-46 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-29	A. E. Johnston	5.1	6-27	A. E. Johnston	0.0
11-6	do	4.0	7-10	do	.1
12-3	do	4.9	7-20	do	.1
1-10	do	2.0	8-10	do	.0
2-14	do	1.0	8-21	do	.0
4-3	do	2.0	9-6	do	.0
5-16	do	2.1	9-21	do	.1
5-30	do	.0	9-29	do	.0
6-12	do	1.2			

CONGO CREEK
Sec. 34-23-53 W.

2-20	A. E. Johnston	2.0			

COTTONWOOD CREEK
Callaway—Sec. 12-15-23 W.

10-8	A. E. Johnston	1.8	2-5	A. E. Johnston	2.0
11-14	do	1.5	3-23	do	1.9
12-12	do	1.8			

COTTONWOOD CREEK, BIG
Dunlap—Sec. 27-29-48 W.

11-3	A. E. Johnston	0.6	6-21	A. E. Johnston	0.2
1-17	do	1.6	7-21	do	.0
2-25	do	2.3	7-24	do	.0
4-8	do	2.4	8-6	do	2.2
5-19	do	.9	9-13	do	.0
5-27	do	2.0	9-26	do	.3
6-15	do	.6			

COTTONWOOD CREEK, BIG
Riverton—Sec. 36-2-16 W.

4-21	C. E. Franklin	5.0	7-13	C. E. Franklin	3.5
5-8	do	3.6	8-10	do	2.4
5-29	do	2.2	9-16	do	1.2
6-28	do	1.3	9-29	do	1.1

COTTONWOOD CREEK, LITTLE
Below Bloomington Power House—Sec. 6-1-15 W.

10-17	A. E. Johnston	2.2	5-29	C. E. Franklin	0.4
11-25	do	5.2	6-28	do	.1
1-27	do	5.0	7-13	do	.3
3-17	do	5.5	8-10	do	.6
4-2	C. E. Franklin	4.1	9-16	do	.2
4-21	do	2.0	9-29	do	.3
5-8	do	1.7			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

COTTONWOOD CREEK, LITTLE
Sec. 8-32-52 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
11-1	A. E. Johnston	2.0	7-22	Johnston and Rasmussen	0.0
4-10	do	.2	9-12	A. E. Johnston	.0
6-19	do	.0			

COTTONWOOD CREEK, LITTLE
South of Whitney Pipe Line Outlet—Sec. 8-32-51 W.

11-1	A. E. Johnston	2.3	5-23	Johnston and Rasmussen	0.0
1-16	do	3.0	6-20	A. E. Johnston	2.5
2-26	do	9.8	7-22	do	.2
4-13	do	1.2	9-11	do	.8
5-22	Johnston and Rasmussen	.5	9-26	do	1.3

CROOKED CREEK
Burton—Sec. 19-34-19 W.

3-3	A. E. Johnston	1.2	4-20	A. E. Johnston	2.0

CROOKED CREEK
Red Cloud—Sec. 1-1-11 W.

4-2	C. E. Franklin	2.3	7-13	C. E. Franklin	0.5
4-21	do	1.0	8-10	do	3.3
5-8	do	36.0	9-17	do	.0
5-30	do	.4	9-29	do	.0
6-29	do	.0			

DANE CREEK
Ord—Sec. 21-19-14 W.

12-15	A. E. Johnston	0.7	3-20	A. E. Johnston	1.3
2-4	do	.8			

DAWSON COUNTY DRAIN
Strever Creek—Sec. 14-9-21 W.

1-5	A. E. Johnston	21.1	7-12	A. E. Johnston	7.4
1-5	do	15.5	7-13	do	10.7
5-11	do	27.3	7-15	do	13.0
6-23	do	17.3	7-16	do	9.4
7-3	do	9.0	8-15	do	4.2
7-6	do	10.1			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

DAWSON COUNTY DRAIN NO. 2
South of Darr

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
7-13	A. E. Johnston	5.7	8-3	A. E. Johnston	1.5
7-15	do	6.0	8-15	do	2.0
7-16	do	6.3	9-2	do	3.0
7-31	do	2.3			

DEADHORSE CREEK
Sec. 32-33-49 W.

11-1	A. E. Johnston	3.9	5-25	A. E. Johnston	2.4
2-26	do	6.0	6-20	do	1.0
4-13	do	.7	9-11	do	.1

DeGRAW DRAIN
Sec. 24-20-51 W.

3-10	A. W. Hall	8.7	6-8	A. W. Hall	2.2
3-25	do	5.6	7-8	do	2.3
4-8	do	4.8	8-24	A. E. Johnston	5.0
5-2	do	12.0	9-12	F. F. LeFever	3.0

DEER CREEK
Holbrook—Sec. 21-4-24 W.

1-26	A. E. Johnston	0.5			

DISMAL RIVER
Dunning—Sec. 4-21-24 W.

10-9	A. E. Johnston	345.0	2-6	A. E. Johnston	476.0
11-15	do	372.0	3-23	do	444.0
12-13	do	438.0	5-8	do	603.0

DRIFTWOOD CREEK
McCook—Sec. 1-2-30 W.

1-24	A. E. Johnston	3.0			

DRY CREEK
Merriman—Sec. 20-34-37 W.

2-27	A. E. Johnston	13.0	9-8	A. E. Johnston	0.0
4-16	do	9.4	9-23	do	1.2

DOUGOUT CREEK, LOWER
Below Cooper Canal—Sec. 4-19-48 W.

11-6	A. E. Johnston	3.4	5-18	A. E. Johnston	1.6
12-3	do	4.0	5-30	do	.8
1-10	do	4.3	6-13	do	.7
2-14	do	2.2	8-10	do	.7
4-3	do	2.6			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

DOUGOUT CREEK, UPPER
Sec. 21-20-50 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-6	C. E. Franklin	15.9	4-7	A. W. Hall	1.9
11-4	do	9.7	5-2	do	1.8
11-17	do	4.7	5-11	do	.5
1-19	A. E. Johnston	4.3	5-27	A. E. Johnston	1.1
2-16	do	3.7	6-12	A. E. Hall	16.5
3-10	A. W. Hall	2.5	8-12	Hall and LeFever	7.0
3-24	do	2.2	9-12	F. F. LeFever	10.0
4-6	A. E. Johnston	2.8			

EAGLE CREEK
Sec. 24-32-12 W.

3-4	A. E. Johnston	50.1	4-22	A. E. Johnston	39.9

ELKHORN RIVER, NORTH FORK
Norfolk—Sec. 22-24-1 W.

12-17	A. E. Johnston	118.0	3-9	A. E. Johnston	98.3
1-31	do	114.0	5-4	do	145.0

ELKHORN RIVER, SOUTH FORK
Ewing—Sec. 3-26-9 W.

12-18	A. E. Johnston	84.0	3-4	A. E. Johnston	55.0
2-2	do	50.0	4-22	do	49.0

ELKHORN RIVER
O'Neill—Sec. 31-29-11 W.

3-4	A. E. Johnston	90.0	8-29	L. F. Hanks	14.0
4-22	do	67.0	9-11	do	12.0
8-17	L. F. Hanks	16.0			

ELKHORN RIVER
Ewing—Sec. 34-27-9 W.

12-18	A. E. Johnston	134.0	3-4	A. E. Johnston	95.0
2-2	do	118.0	4-22	do	98.0

ELKHORN RIVER
Neligh—Sec. 20-25-6 W.

12-19	A. E. Johnston	247.0	4-22	A. E. Johnston	283.0
1-31	do	480.0	8-15	L. F. Hanks	54.0
2-3	do	290.0	8-29	do	51.0
3-5	lo	267.0	9-11	do	33.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

ELKHORN RIVER
Norfolk—Secs. 33 and 34-24-1 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
12-17	A. E. Johnston	451.0	3-9	A. E. Johnston	456.0
1-31	do	480.0	5-4	do	314.0

ELKHORN RIVER
Waterloo—Sec. 3-15-10 E.

10-13	A. E. Johnston	536.0	1-30	A. E. Johnston	642.0
11-19	do	811.0	3-12	do	705.0
12-20	do	706.0	4-30	do	691.0

ELM CREEK
Elm Creek—Sec. 33-9-18 W.

10-7	A. E. Johnston	0.0	6-29	C. E. Franklin	1.0
11-13	do	.0	7-6	A. E. Johnston	3.0
11-26	do	.0	7-12	do	.1
12-11	do	.0	7-13	do	.0
2-9	do	.0	7-15	do	.0
3-25	do	.0	7-16	do	.0
5-11	do	.9	7-31	do	.0
6-3	Johnston and Wyant	.0	8-15	do	.0
6-8	A. E. Johnston	12.0	9-15	do	10.3
6-23	do	18.0	9-16	do	10.1

ELM CREEK
Sec. 34-2-10 W.

10-16	A. E. Johnston	14.8	5-30	C. E. Franklin	.0
11-24	do	21.0	7-13	do	.0
1-27	do	19.7	8-10	do	1.0
4-2	do	22.0	9-17	do	.0
4-21	do	.6	9-29	do	2.0
5-8	C. E. Franklin	136.0			

FAIRFIELD SEEP
Sec. 18-21-53 W.

10-4	C. E. Franklin	8.7	4-8	A. W. Hall	1.3
10-18	do	2.9	5-1	do	3.1
11-5	do	3.4	5-12	do	2.0
11-18	do	2.3	6-6	do	7.4
12-4	A. E. Johnston	3.6	6-17	do	5.0
1-13	do	6.3	7-24	do	5.0
2-17	do	3.0	8-11	do	7.0
3-11	A. W. Hall	3.1	8-28	A. E. Johnston	5.3
3-21	C. E. Franklin	1.4			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

FANNING SEEP
One-half Mile North of Mitchell Bridge—Secs. 28 and 27-23-56 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-2	C. E. Franklin	7.2	5-12	A. W. Hall	3.0
10-22	do	13.9	5-27	do	2.9
11-6	do	8.3	6-26	do	6.0
11-23	do	8.0	7-9	do	4.7
12-5	A. E. Johnston	9.6	8-7	Hall and LeFever	7.6
2-18	do	5.0	8-25	F. F. LeFever	6.1
3-12	A. W. Hall	4.6	8-27	A. E. Johnston	4.8
3-25	do	4.4	9-10	A. W. Hall	8.9
5-1	do	5.4			

FARMERS CREEK
Riverton—Sec. 5-1-12 W.

10-16	A. E. Johnston	0.8	5-30	C. E. Franklin	0.7
10-23	do	5.6	6-29	do	.0
1-27	do	2.0	7-13	do	.1
3-17	do	3.9	8-10	do	19.0
4-21	C. E. Franklin	2.1	9-29	do	.0
5-8	do	7.2			

FLAG CREEK
Orleans—Sec. 19-2-19 W.

4-21	C. E. Franklin	1.5	6-28	C. E. Franklin	0.9
5-8	do	1.8	8-10	do	.8
5-29	do	7.5	9-16	do	.4
7-13	do	1.1	9-29	do	1.2

FREMONT SLOUGH
North Platte—Sec. 16-13-30 W.

11-10	A. E. Johnston	5.8	6-24	A. E. Johnston	2.0
11-29	do	9.3	7-1	do	.4
12-10	do	22.8	7-7	do	1.0
1-6	do	7.5	7-17	do	.4
2-11	do	12.0	8-4	do	.4
3-30	do	16.9	8-14	do	.4
5-13	do	6.5	8-17	do	.5
6-4	do	1.6	9-17	do	.3

FRENCHMAN RIVER
Above Maranville Reservoir—Sec. 10-6-41 W.

10-13	C. E. Franklin	7.0	5-6	C. E. Franklin	3.6
10-29	do	4.0	5-26	do	4.8
11-12	do	4.8	6-19	do	2.0
12-2	do	4.5	7-9	do	2.4
1-22	A. E. Johnston	4.0	7-27	do	2.1
3-7	C. E. Franklin	6.7	7-31	do	3.5
4-11	do	3.2	8-23	do	4.6
4-17	do	3.3	9-10	do	2.3

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

FRENCHMAN RIVER
Below Maranville Reservoir—Sec. 10-6-41 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-13	C. E. Franklin	7.1	5-26	C. E. Franklin	0.9
10-29	do	6.4	6-19	do	.2
11-12	do	5.4	7-9	do	3.4
12-2	do	4.8	7-27	do	.2
1-22	A. E. Johnston	6.1	7-28	do	3.1
3-7	C. E. Franklin	4.8	7-29	do	3.3
4-11	do	1.7	7-31	do	8.3
4-17	do	4.8	8-23	do	1.5
5-6	do	4.2	9-10	do	.9

FRENCHMAN RIVER
Above Inman Canal—Sec. 17-6-40 W.

1-22	A. E. Johnston	13.0			

FRENCHMAN RIVER
Below Inman Canal—Sec. 17-6-40 W.

10-29	C. E. Franklin	24.0			
11-12	do	18.0	5-26	C. E. Franklin	15.7
12-2	do	26.0	6-19	do	13.9
1-22	A. E. Johnston	31.0	7-9	do	9.8
3-7	C. E. Franklin	24.7	7-27	do	12.9
4-11	do	19.1	7-29	do	11.4
4-17	do	12.0	8-23	do	3.7
5-6	do	18.8	9-10	do	3.6

FRENCHMAN RIVER
Above Champion Lake

3-7	C. E. Franklin	31.8	6-19	C. E. Franklin	20.0
4-11	do	29.0	7-9	do	14.8
4-17	do	27.5	7-27	do	18.4
5-6	do	26.1	8-23	do	7.8
5-26	do	64.2	9-10	do	8.5

FRENCHMAN RIVER
Below Champion Lake Dam—Sec. 23-6-40 W.

10-13	C. E. Franklin	24.0	5-6	C. E. Franklin	13.4
10-29	do	35.0	5-26	do	70.7
11-12	do	18.0	6-19	do	20.5
1-22	A. E. Johnston	35.0	7-9	do	4.7
3-7	C. E. Franklin	38.6	7-27	do	21.0
4-11	do	10.0	8-23	do	2.5
4-17	do	6.9	9-10	do	2.6

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

FRENCHMAN RIVER
Above Champion Mill Dam—Sec. 20-6-39 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
8-10	C. E. Franklin	22.0	8-25	C. E. Frankin	27.5

FRENCHMAN RIVER
Champion—Sec. 21-6-39 W.

10-13	C. E. Franklin	83.0	5-6	C. E. Franklin	47.9
10-29	do	43.1	5-26	do	221.0
11-12	do	54.4	6-19	do	59.0
12-3	do	49.0	7-9	do	21.0
1-22	A. E. Johnston	62.0	7-27	do	49.0
3-7	C. E. Franklin	38.7	8-23	do	7.3
4-11	do	6.1	9-10	do	50.7
4-17	do	46.8			

FRENCHMAN RIVER
South of Imperial—Sec. 30-6-38 W.

10-29	C. E. Franklin	59.0	5-6	C. E. Franklin	49.0
11-12	do	55.0	5-25	do	229.0
1-22	A. E. Johnston	115.0	6-19	do	69.3
3-8	C. E. Franklin	89.8	7-27	do	8.7
4-11	do	55.7	8-23	do	62.2
4-17	do	16.4	9-10	do	41.4

FRENCHMAN RIVER
Wauneta—Sec. 11-5-36 W.

10-14	C. E. Franklin	130.0	12-3	C. E. Franklin	159.0
10-29	do	89.0	1-22	A. E. Johnston	106.0
11-12	do	101.0	3-8	C. E. Franklin	148.0

FRENCHMAN RIVER
Palisade—Sec. 32-5-33 W.

10-14	C. E. Franklin	159.0	4-17	C. E. Franklin	131.0
10-29	do	133.0	5-6	do	106.0
11-12	do	159.0	6-19	do	70.0
12-3	do	195.0	7-27	do	3.8
1-22	A. E. Johnston	198.0	8-23	do	13.2
3-8	C. E. Franklin	210.0	9-10	do	3.8
4-9	do	260.0	9-27	do	26.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

FRENCHMAN RIVER
Culbertson—Sec. 16-3-31 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT
10-14	C. E. Franklin	168.0	5-28	C. E. Franklin	41.0
10-30	do	130.0	6-28	do	27.7
11-13	do	184.0	7-10	do	56.1
12-3	do	172.0	7-27	do	.0
1-23	A. E. Johnston	229.0	8-7	do	137.0
3-8	C. E. Franklin	160.3	8-26	do	52.5
4-8	do	188.7	9-11	do	22.1
4-18	do	88.5	9-27	do	52.6
5-7	do	125.0			

GEBAUER DRAIN
Sec. 28-20-50 W.

11-6	A. E. Johnston	0.4	4-6	A. E. Johnston	0.0
12-3	do	.1	5-2	A. W. Hall	.3
1-10	do	.1	5-30	A. E. Johnston	.5
2-14	do	.4	6-13	do	.1
3-10	A. W. Hall	.0	8-10	do	.1
3-24	do	.3	9-22	do	.3

GERING DRAIN
Sec. 6-21-54 W.

10-3	C. E. Franklin	41.0	5-1	A. W. Hall	20.7
10-18	do	57.1	5-14	do	64.2
11-6	do	34.6	6-5	do	77.4
11-22	do	44.0	6-17	do	73.0
12-5	A. E. Johnston	42.3	7-23	do	42.0
1-15	do	36.0	8-8	Hall and LeFever	54.1
2-17	do	44.3	9-2	F. F. LeFever	33.0
3-11	A. W. Hall	21.5	9-8	A. W. Hall	31.0
3-21	C. E. Franklin	31.2	9-22	F. F. LeFever	30.1
4-8	A. W. Hall	23.3	9-28	A. W. Hall	36.2

GERING WASTE
Henry—Sec. 3-23-58 W.

5-13	A. W. Hall	132.0	7-1	A. W. Hall	103.4
5-23	do	157.0	7-9	do	98.1
5-26	do	96.8	7-10	do	55.2
6-18	do	67.1	8-21	do	15.8

GORDON CREEK
Valentine—Sec. 30-33-28 W.

2-28	A. E. Johnston	55.9	9-9	A. E. Johnston	10.0
4-17	do	30.8	9-24	do	10.3

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

GOTHENBURG POWER WASTE
Gothenburg—West 16th Street

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-7	A. E. Johnston	170.0	7-3	A. E. Johnston	139.2
10-21	do	190.4	7-7	do	170.1
10-24	do	190.0	7-14	do	193.0
11-12	do	192.0	7-15	do	194.0
11-28	do	81.0	7-16	do	125.0
12-11	do	90.5	7-17	do	95.1
1-6	do	49.4	7-31	do	34.1
2-10	do	194.1	8-3	do	27.3
3-26	do	197.2	8-14	do	169.0
5-12	do	187.0	8-15	do	178.1
6-8	do	178.0	8-17	do	193.0
6-24	do	181.0	9-1	do	86.1
7-1	do	48.2	9-16	do	210.7

GOVERNMENT SPRING
Below Ft. Robinson Pumping Plant

10-31	A. E. Johnston	0.4	5-25	A. E. Johnston	0.1
1-16	do	.4	6-19	do	.1
2-26	do	.7	7-22	do	1.2
4-10	do	.4	9-13	do	.4

GRACIE CREEK
Sec. 31-23-17 W.

10-9	A. E. Johnston	14.6	2-5	A. E. Johnston	9.0
11-15	do	14.6	3-21	do	13.3
12-13	do	12.1			

GRAVEL CREEK
Sec. 9-14-36 W.

10-3	A. E. Johnston	0.2	6-1	A. E. Johnston	2.5
10-27	do	2.5	7-18	do	2.1
11-8	do	1.7	8-12	do	2.1
1-8	do	2.5	8-19	do	1.3
2-12	do	1.6	9-4	do	2.0
5-15	do	1.6			

GREENWOOD CREEK
Mouth—Sec. 26-19-50 W.

10-7	C. E. Franklin	0.4	6-1	A. W. Hall	0.0
11-8	do	1.5	6-11	do	.0
3-10	A. W. Hall	.0	6-16	do	.0
4-7	do	.0	7-3	do	.0
4-28	do	.0	8-25	A. E. Johnston	.0
5-11	do	.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

HAINES BRANCH
Sec. 3-9-6 E.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-15	A. E. Johnston	1.3	1-29	A. E. Johnston	4.4
11-21	do	18.2	3-14	do	3.1
1-3	do	.9	4-28	do	3.5

HAT CREEK
Above Coffee Canal—Sec. 35-33-56 W.

11-1	A. E. Johnston	3.4	6-16	A. E. Johnston	2.5
4-9	do	5.0	7-22	Johnston and Rasmussen	.5
5-21	Johnston and Rasmussen	6.0			

HAT CREEK
Montrose—Sec. 18-34-54 W.

4-9	A. E. Johnston	14.0	6-16	Johnston and Rasmussen	2.5
5-21	Johnston and Rasmussen	3.0	7-22	do	.0

HAT CREEK
Ardmore, South Dakota—Sec. 32-T. 11 S.-R. 54 W.

4-9	A. E. Johnston	20.7	7-22	Johnston and Rasmussen	0.0
5-21	Johnston and Rasmussen	.6			

HORSE CREEK
Morrill—Sec. 25-23-58 W.

10-2	C. E. Franklin	307.0	5-13	A. W. Hall	88.0
10-21	do	143.0	5-26	do	88.0
11-7	do	100.0	6-18	do	115.0
11-23	do	90.0	7-10	do	90.0
12-5	do	130.0	8-6	do	90.0
1-13	A. E. Johnston	78.0	8-24	F. F. LeFever	78.0
2-18	do	49.0	8-27	A. E. Johnston	88.0
3-12	A. W. Hall	81.0	9-10	A. W. Hall	75.0
4-2	do	194.0	9-24	F. F. LeFever	56.0
4-10	do	65.0			

HORSE CREEK
Pringle Ranch—Sec. 23-1-39 W.

10-16	C. E. Franklin	1.9	6-6	C. E. Franklin	1.5
11-1	do	1.6	6-27	do	.0
11-15	do	1.0	7-10	do	1.7
1-23	A. E. Johnston	2.0	7-30	do	.0
3-17	C. E. Franklin	1.5	8-23	do	.0
4-10	do	1.4	9-12	do	.0
4-27	do	1.4	9-26	do	1.0
5-17	do	.7			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

INDIAN CREEK
Northport Wye—Sec. 19-20-50 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-6	C. E. Franklin	17.6	5-2	A. W. Hall	6.5
11-4	do	15.0	5-15	do	3.7
11-17	do	11.9	5-27	A. E. Johnston	2.8
12-4	A. E. Johnston	11.0	6-8	A. W. Hall	4.8
1-19	do	8.5	6-16	do	11.0
2-16	do	6.1	7-8	do	10.0
3-10	A. W. Hall	4.0	7-16	do	11.3
3-24	do	8.7	8-12	Hall and LeFever	16.0
4-6	A. E. Johnston	11.1	8-24	A. E. Johnston	24.4
4-7	do	4.0	9-12	F. F. LeFever	14.1

INDIAN CREEK
Max—Sec. 23-2-36 W.

10-16	C. E. Franklin	5.8	5-16	C. E. Franklin	4.2
11-1	do	4.7	6-5	do	1.9
11-15	do	4.1	7-10	do	2.0
12-6	do	5.5	7-30	do	1.7
3-17	do	4.3	8-29	do	1.3
4-9	do	7.6	9-12	do	.7
4-26	do	8.0	9-26	do	.0

INDIAN CREEK
Sec. 33-2-11 W.

4-21	C. E. Franklin	0.7	7-13	C. E. Franklin	0.2
5-8	do	7.5	8-10	do	5.5
5-30	do	.2	9-17	do	.0
6-29	do	.0	9-29	do	.0

INDIAN CREEK
Sec. 28-4-6 E.

3-5	A. E. Johnston	0.4	9-15	A. E. Johnston	14.0
4-28	do	.5			

INDIAN CREEK
Sec. 4-32-50 W.

5-22	Johnston and Rasmussen	0.1

IOWA CREEK
Ponca—Sec. 22-30-6 E.

5-1	A. E. Johnston	27.2

JIM CREEK
Sec. 13-33-57 W.

4-11	Johnston and Rasmussen	0.7	5-21	Johnston and Rassmussen	0.2

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

JIM CREEK
Headgate Highline Canal

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
6-16	Johnston and Rasmussen	0.4	6-20	Johnston and Rasmussen	1.0
6-18	do	1.0			

JIM CREEK
Below Caladonia Dam

6-16	Johnston and Rasmussen	0.01*

*Estimated

JIM CREEK
Sec. 18-33-56 W.

6-10	C. E. Franklin	0.1	6-17	Johnston and Rasmussen	0.5

JIM CREEK
Above Dout Reservoir No. 1

6-16	Johnston and Rasmussen	0.01*	6-20	Johnston and Rasmussen	1.0
6-18	do	.4			

*Estimated.

JIM CREEK
Below Outlet Reservoir No. 1

6-18	Johnston and Rasmussen	0.4

JIM CREEK
Below Dout Reservoir No. 2

6-18	Johnston and Rasmussen	1.0

KEITH-LINCOLN COUNTY DRAIN
Sarben—Sec. 23-14-35 W.

10-3	A. E. Johnston	4.8	6-2	A. E. Johnston	3.0
10-27	do	3.8	6-9	do	4.2
11-8	do	2.8	6-25	do	3.1
12-1	do	9.4	7-8	do	3.0
1-8	do	3.1	7-18	do	2.5
2-12	do	2.5	7-29	do	2.5
4-1	do	10.0	9-18	do	2.3
3-5	do	3.5			

KEYA PAHA RIVER
Brocksburg—Sec. 9-34-17 W.

3-3	A. E. Johnston	113.0	4-20	A. E. Johnston	169.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

LANE DRAIN
Sec.30-23-57 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-2	C. E. Franklin	5.0	4-10	A. W. Hall	0.7
10-21	do	4.9	5-13	do	.5
11-7	do	2.6	5-26	do	1.6
11-23	do	2.2	8-6	Hall and LeFever	8.0
12-5	A. E. Johnston	8.1	8-24	F. F. LeFever	4.4
1-13	do	3.0	8-27	A. E. Johnston	6.0
2-18	do	1.4	9-10	A. W. Hall	5.0
3-12	A. W. Hall	2.4	9-24	F. F. LeFever	6.0

LARABEE CREEK
Sec. 6-34-44 W.

4-15	A. E. Johnston	6.0	9-10	A. E. Johnston	1.1
5-26	do	5.0			

LEANDER CREEK
Merriman—Sec. 33-34-37 W.

9-6	A. E. Johnston	1.1	9-8	A. E. Johnston	0.0
2-27	do	13.5	9-23	do	.0
4-16	do	5.8			

LEWELLEN DRAIN
Lewellen—Sec. 28-16-42 W.

11-7	A. E. Johnston	2.8	6-26	A. E. Johnston	1.2
12-2	do	2.9	7-9	do	1.2
1-9	do	3.0	7-19	do	1.1
2-13	do	2.4	7-27	do	1.0
4-2	do	6.1	8-11	do	1.4
5-15	do	1.8	8-19	do	1.0
6-1	do	1.5	9-4	do	1.1
6-12	do	2.1	9-19	do	3.2
6-23	A. W. Hall	1.0	9-30	do	2.0

LINCOLN COUNTY DRAIN NO. 1
North Platte—Sec. 30-14-30 W.

10-6	A. E. Johnston	110.2	6-25	A. E. Johnston	104.0
10-27	do	96.9	7-1	do	96.2
11-12	do	84.0	7-8	do	105.3
12-1	do	69.1	7-14	do	115.1
12-10	do	79.8	7-17	do	105.0
1-8	do	71.0	7-18	do	110.0
2-12	do	66.3	7-29	do	86.1
3-30	do	69.9	8-4	do	105.5
4-1	do	67.3	8-13	do	109.8
5-14	do	59.1	8-18	do	104.6
6-6	do	115.4	9-3	do	87.7
6-9	do	119.0	9-17	do	99.2
6-10	do	137.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

LINCOLN COUNTY DRAIN NO. 2
Sec. 12-14-33 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-27	A. E. Johnston	10.5	6-25	A. E. Johnston	7.6
11-8	do	9.2	7-8	do	7.2
12-1	do	5.2	7-18	do	6.0
1-8	do	6.0	7-29	do	5.5
2-12	do	5.9	8-13	do	5.8
5-14	do	7.2	9-3	do	8.0
6-2	do	7.0	9-18	do	5.5
6-9	do	5.9			

LODGEPOLE CREEK
Wyoming-Nebraska Line—Sec. 11-14-59 W.

10-9	C. E. Franklin	12.0	5-1	C. E. Franklin	14.6
10-26	do	10.5	5-20	do	12.6
11-10	do	16.0	6-13	do	10.4
11-28	do	14.4	7-23	do	3.1
1-20	A. E. Johnston	12.5	8-16	do	3.6
3-3	C. E. Franklin	13.0	9-1	do	3.6
3-24	do	12.3	9-24	do	4.8
4-15	do	10.4			

LODGEPOLE CREEK
Bushnell—Sec. 31-15-57 W.

3-3	C. E. Franklin	21.0	6-13	C. E. Franklin	12.5
3-24	do	17.5	7-23	do	5.6
4-15	do	13.9	8-16	do	9.2
5-1	do	20.0	9-1	do	8.8
5-20	do	16.0	9-24	do	9.5

LODGEPOLE CREEK
Above Kimball Reservoir—Sec. 33-15-57 W.

10-8	C. E. Franklin	32.0	5-1	C. E. Franklin	24.8
10-26	do	25.0	5-20	do	21.0
11-10	do	24.7	6-13	do	13.6
11-28	do	23.5	7-21	do	5.1
1-20	A. E. Johnston	17.0	7-23	do	7.6
3-3	C. E. Franklin	24.6	8-16	do	10.2
3-24	do	23.4	9-1	do	10.4
4-15	do	20.3	9-24	do	14.0

LODGEPOLE CREEK
Below Kimball Reservoir—Sec. 36-15-57 W.

10-9	C. E. Franklin	3.4	5-1	C. E. Franklin	19.2
10-26	do	3.4	5-20	do	7.6
11-10	do	4.0	6-13	do	5.5
11-28	do	5.3	7-23	do	4.7
1-20	A. E. Johnston	3.5	8-15	do	2.6
3-2	C. E. Franklin	10.4	9-1	do	1.7
3-24	do	9.8	9-23	do	.7
4-14	do	13.4			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

LODGEPOLE CREEK
Kimball—Sec. 29-15-55 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-8	C. E. Franklin	13.5	5-1	C. E. Franklin	24.6
10-26	do	10.8	5-20	do	20.3
11-10	do	10.0	6-13	do	7.5
11-28	do	20.0	7-21	do	5.3
1-19	A. E. Johnston	20.0	8-16	do	5.3
3-2	C. E. Franklin	20.0	9-1	do	4.3
3-23	do	27.0	9-2	do	5.8
4-14	do	21.8	9-23	do	6.0

LODGEPOLE CREEK
Dix—Sec. 26-15-54 W.

10-9	C. E. Franklin	0.0	5-2	C. E. Franklin	20.5
11-10	do	.0	5-21	do	7.0
11-28	do	5.4	6-15	do	.0
1-20	A. E. Johnston	.0	7-23	do	.0
3-3	C. E. Franklin	10.2	9-3	do	.0
3-24	do	13.6	9-24	do	.0
4-15	do	16.2			

LODGEPOLE CREEK
Sidney—Sec. 31-14-49 W.

10-9	C. E. Franklin	3.2	4-14	C. E. Franklin	4.1
10-27	do	3.5	5-4	do	3.4
11-10	do	3.4	5-22	do	2.3
11-29	do	4.4	6-16	do	.6
1-20	A. E. Johnston	1.6	8-20	do	.5
3-4	C. E. Franklin	4.7	9-25	do	1.0
3-24	do	4.0			

LODGEPOLE CREEK
Below Krueger Lake

6-17	C. E. Franklin	0.3	8-20	C. E. Franklin	0.3
7-25	do	.1	9-8	do	.0
8-16	do	2.6	9-25	do	2.5

LODGEPOLE CREEK
Below McLaughlin Canal—Sec. 25-14-48 W.

5-22	C. E. Franklin	0.0	8-20	C. E. Franklin	0.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

LODGEPOLE CREEK
West of Lodgepole—Sec. 30-14-46 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-12	C. E. Franklin	7.6	5-5	C. E. Franklin	3.6
10-27	do	18.1	5-23	do	.2
11-10	do	17.5	6-17	do	2.9
11-29	do	12.0	7-25	do	.3
1-21	A. E. Johnston	6.1	8-21	do	.0
3-4	C. E. Franklin	19.0	9-8	do	.6
3-24	do	10.6	9-25	do	.2
4-15	do	15.5			

LODGEPOLE CREEK
Chappell—Sec. 21-13-45 W.

10-12	C. E. Franklin	7.1	5-5	C. E. Franklin	17.2
10-27	do	7.6	5-23	do	2.0
11-10	do	14.0	6-17	do	1.7
11-29	do	12.0	7-18	do	.3
1-21	A. E. Johnston	21.6	8-21	do	.5
3-4	C. E. Franklin	17.1	9-8	do	.3
3-24	do	17.7	9-25	do	.2
4-15	do	22.9			

LODGEPOLE CREEK
Ralton—Sec. 12-12-45 W.

10-12	C. E. Franklin	13.0	5-5	C. E. Franklin	23.0
10-27	do	15.6	5-24	do	.3
11-10	do	16.2	6-18	do	.2
11-29	do	18.0	7-17	do	.1
1-21	A. E. Johnston	15.0	8-21	do	.2
3-4	C. E. Franklin	17.7	9-8	do	2.0
3-24	do	29.0	9-25	do	.2
4-15	do	28.7			

LOGAN CREEK
Sec. 35-22-8 E.

3-12	A. E. Johnston	92.3	4-30	A. E. Johnston	55.5

LONERGAN CREEK
Sec. 19-15-39 W.

10-28	A. E. Johnston	8.2	6-26	A. E. Johnston	1.0
11-7	do	5.5	7-9	do	1.0
12-2	do	10.8	7-19	do	2.4
1-9	do	9.0	7-28	do	2.0
2-13	do	8.7	8-12	do	6.1
4-2	do	15.9	8-19	do	3.2
5-15	do	.0	9-4	do	4.5
6-1	do	1.0	9-19	do	5.1
6-11	do	5.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

LOST CREEK
Sec. 1-16-44 W.

Date	Hydrographer	Sec.-Ft.	Date	Hydrographer	Sec.-Ft.
10-28	A. E. Johnston	3.6	6-27	A. E. Johnston	6.3
11-7	do	3.1	7-9	do	2.2
12-2	do	2.6	7-20	do	1.3
1-9	do	2.0	7-27	do	1.5
2-13	do	5.8	8-11	do	1.0
4-2	do	13.4	8-20	do	20.3
5-16	do	3.9	9-5	do	1.0
5-31	do	3.6	9-21	do	6.3
6-12	do	9.1	9-28	do	15.3
6-22	A. W. Hall	2.0			

LOUP RIVER, NORTH
Taylor—Sec. 22-21-18 W.

10-9	A. E. Johnston	697.0	5-7	A. E. Johnston	561.0
11-15	do	596.0	8-17	L. F. Hanks	363.0
12-13	do	710.0	8-31	do	410.0
2-5	do	745.0	9-12	do	366.0
3-21	do	891.0			

LOUP RIVER, NORTH
Burwell—Sec. 15-21-16 W.

10-10	A. E. Johnston	901.0	2-4	A. E. Johnston	1252.0
11-17	do	1003.0	3-20	do	1097.0
12-15	do	1109.0			

LOUP RIVER, NORTH
North of St. Paul—Sec. 14-15-10 W.

10-10	A. E. Johnston	1095.0	3-5	A. E. Johnston	1240.0
11-17	do	1151.0	3-20	do	1204.0
12-15	do	1375.0	4-24	do	1176.0
2-3	do	1438.0			

LOUP RIVER, MIDDLE
Dunning

10-9	A. E. Johnston	500.0	5-8	A. E. Johnston	619.0
11-15	do	518.0	8-18	L. F. Hanks	327.0
12-13	do	504.0	9-1	do	375.0
2-5	do	527.0	9-12	do	328.0
3-23	do	602.0			

LOUP RIVER, MIDDLE
Sargent—Sec. 11-19-18 W.

10-9	A. E. Johnston	1021.0	5-8	A. E. Johnston	1160.0
11-15	do	1119.0	8-18	L. F. Hanks	708.0
12-13	do	1221.0	9-1	do	772.0
2-5	do	1099.0	9-12	do	654.0
3-23	do	1316.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

LOUP RIVER, MIDDLE
South of St. Paul—Sec. 10-14-10 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
2-4	A. E. Johnston	1577.0	3-20	A. E. Johnston	1308.0
3-6	do	1083.0	4-24	do	1622.0

LOUP RIVER, SOUTH
Callaway

10-8	A. E. Johnston	76.0	2-6	A. E. Johnston	130.0
11-14	do	83.0	3-23	do	128.0
12-12	do	122.0			

LOUP RIVER, SOUTH
Pleasantown—Sec. 36-12-15 W.

10-8	A. E. Johnston	218.0	2-7	A. E. Johnston	245.0
11-14	do	201.0	3-24	do	273.0
12-12	do	245.0	5-9	do	289.0

LOUP RIVER
Columbus

10-13	A. E. Johnston	15759.0	3-19	A. E. Johnston	2769.0
11-18	do	3133.0	5-4	do	2884.0
12-17	do	3371.0	6-7	do	3165.0
1-30	do	8072.0	8-1	do	1439.0
3-7	do	2329.0	9-10	do	1490.0

LOUSE CREEK
Sec. 12-32-10 W.

12-18	A. E. Johnston	12.2	3-4	A. E. Johnston	9.6
2-2	do	11.0	4-21	do	8.3

LOVELY CREEK
East of Franklin—Sec. 35-2-14 W.

10-16	A. E. Johnston	1.7	5-30	C. E. Franklin	0.2
11-24	do	1.2	6-29	do	.2
1-27	do	2.0	7-13	do	.1
3-17	do	.7	8-10	do	.1
4-2	C. E. Franklin	2.9	9-17	do	.0
4-21	do	1.0	9-29	do	.0
5-8	do	.4			

McCOY DRAIN
Sec. 37-16-42 W.

6-22	A. W. Hall	2.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

McGUIRES SLOUGH
Sec. 21-6-40 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-13	C. E. Franklin	3.1	5-6	C. E. Franklin	3.0
10-29	do	2.9	5-25	do	14.4
11-12	do	3.0	6-19	do	3.2
12-2	do	3.0	7-9	do	2.4
1-22	A. E. Johnston	3.2	7-27	do	2.1
4-11	C. E. Franklin	3.0	8-23	do	2.3
4-17	do	2.9	9-10	do	2.1

MAPLE CREEK
Fremont—Sec. 10-18-8 E.

3-12	A. E. Johnston	27.3	4-30	A. E. Johnston	8-6

MEDICINE CREEK
Maywood—Sec. 16-8-29 W.

10-18	A. E. Johnston	25.2	3-10	C. E. Franklin	30.0

MEDICINE CREEK
Cambridge—Sec. 18-4-25 W.

10-15	C. E. Franklin	107.6	4-20	C. E. Franklin	59.8
10-31	do	40.7	5-7	do	105.0
11-14	do	80.4	5-29	do	37.4
12-5	do	75.6	7-13	do	28.6
1-26	A. E. Johnston	85.3	8-9	do	53.1
3-12	C. E. Franklin	86.8	9-16	do	13.3
4-1	do	178.0	9-28	do	22.2

MELBETA DRAIN
Melbeta—Sec. 24-21-54 W.

10-3	C. E. Franklin	8.2	3-21	C. E. Franklin	4.7
10-18	do	3.9	4-8	A. W. Hall	4.5
11-5	do	6.4	5-1	do	3.2
11-18	do	10.0	5-15	do	.6
12-4	do	8.7	6-6	do	2.7
1-12	A. E. Johnston	7.6	6-17	do	1.0
2-17	do	5.5	8-11	do	.0
3-11	A. W. Hall	7.9			

MINNECHADUZA CREEK
Valentine—Sec. 28-34-27 W.

3-2	A. E. Johnston	70.1	9-9	A. E. Johnston	4.0
4-18	do	47.0	2-24	do	7.3

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

MIRA CREEK
North Loup—Sec. 26-18-13 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-10	A. E. Johnston	1.7	2-4	A.E. Johnston	1.9
11-17	do	3.5	3-20	do	3.4
12-15	do	3.7			

MITCHELL SPILLWAY
Tri-State Canal—Sec. 35-23-56 W.

10-21	C. E. Franklin	0.0	4-10	A. W. Hall	7.0
11-6	do	.0	5-1	do	9.2
11-23	do	.0	5-27	do	.0
12-5	A. E. Johnston	.0	6-5	do	.0
1-14	do	.0	8-27	A. E. Johnston	.0
2-18	do	.0	9-11	A. W. Hall	.0
3-13	A. W. Hall	14.9			

MONROE CREEK
Below Big Monroe Canal—Sec. 33-33-56 W.

5-21	Johnston and Rasmussen	0.0	7-22	Johnston and Rasmussen	0.2
6-16	do	.0			

MORRILL DRAIN
South Line Sec. 13-23-57 W.

10-2	C. E. Franklin	4.7	4-30	A. W. Hall	0.0
10-21	do	3.3	5-14	do	.0
11-7	do	1.8	5-27	do	.0
11-23	do	2.6	6-5	do	.0
12-5	A. E. Johnston	2.1	6-18	do	3.0
1-13	do	1.8	7-10	do	.0
2-18	do	2.3	8-25	F. F. LeFever	3.0
3-12	A. W. Hall	.6	8-27	A. E. Johnston	.1
4-10	do	.4	9-10	A. W. Hall	3.2

MUDDY CREEK
Arapahoe—Sec. 16-4-23 W.

10-15	C. E. Franklin	5.1	5-7	C. E. Franklin	4.1
10-31	do	1.8	5-29	do	3.3
11-14	do	3.3	6-28	do	6.2
12-5	do	1.0	7-13	do	3.6
1-26	A. E. Johnston	4.0	8-9	do	13.0
3-12	C. E. Franklin	3.6	9-16	do	.3
4-1	do	5.0	9-28	do	1.3
4-20	do	2.5			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

MUDDY CREEK
Berwyn—Sec. 16-16-19 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-8	A. E. Johnston	2.0	3-24	A. E. Johnston	5.5
11-14	do	3.8	5-9	do	8.5
12-12	do	4.7	8-19	L. F. Hanks	2.1
2-7	do	4.4	9-2	Hanks and Follansbee	2.0

MUDDY CREEK
Mason City—Sec. 31-15-17 W.

10-8	A. E. Johnston	17.7	3-24	A. E. Johnston	22.2
11-14	do	30.7	5-9	do	38.2
12-12	do	21.6	8-19	L. F. Hanks	13.1
2-7	do	21.1	9-2	Hanks and Follansbee	5.0

MUDDY CREEK
Hazard—Sec. 29-13-15 W.

10-8	A. E. Johnston	26.3	5-9	A. E. Johnston	53.0
11-14	do	37.2	8-19	L. F. Hanks	10.1
12-12	do	39.6	9-2	Hanks and Follansbee	15.2
2-7	do	37.0	9-13	L. F. Hanks	9.0
3-24	do	45.4			

NEMAHA RIVER, BIG
Tecumseh—Sec. 20-5-11 E.

11-22	A. E. Johnston	39.9	1-28	A. E. Johnston	24.6

NIOBRARA RIVER
Wyoming State Line—Sec. 20-31-58 W.

10-31	A. E. Johnston	10.2	6-17	Johnston and Rasmussen	5.4
4-9	do	21.0	7-23	do	2.9
5-20	Johnston and Rasmussen	7.5			

NIOBRARA RIVER
Harrison—Sec. 9-29-56 W.

10-31	A. E. Johnston	20.7	6-17	Johnston and Rasmussen	8.2
4-8	do	36.4	7-23	do	5.6
5-20	Johnston and Rasmussen	12.8			

NIOBRARA RIVER
Agate—Sec. 7-28-55 W.

10-1	A. E. Johnston	17.4	6-18	A. E. Johnston	7.3
4-8	do	32.8	7-23	Johnston and Rasmussen	5.8
5-20	Johnston and Rasmussen	14.7			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

NIOBRARA RIVER
Below Whistle Creek—Sec. 7-28-53 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-1	A. E. Johnston	24.0	6-18	Johnston and Rasmussen	7.4
4-8	Johnston and Rasmussen	44.4	7-23	do	6.6
5-20	do	13.0			

NIOBRARA RIVER
Marsland—Sec. 5-28-51 W.

10-1	A. E. Johnston	41.0	5-20	Johnston and Rasmussen	26.3
10-30	do	53.2	6-18	A. E. Johnston	3.6
1-15	do	37.3	7-21	do	2.6
2-25	do	59.9	9-13	do	11.2
4-8	do	75.1	9-26	do	6.1

NIOBRARA RIVER
Dunlap—Sec. 27-29-48 W.

11-3	A. E. Johnston	73.0	6-21	A. E. Johnston	3.3
1-17	do	66.9	7-21	do	3.8
2-25	do	84.1	7-24	do	5.6
4-8	do	111.1	8-6	do	35.2
5-19	do	56.2	9-13	do	19.5
5-28	do	45.4	9-26	do	7.9
6-15	do	17.9			

NIOBRARA RIVER
U. S. G. S. Station South of Gordon

9-8	A. E. Johnston	94.6	9-23	A. E. Johnston	83.3

NIOBRARA RIVER
Crane Bridge South of Eli—Sec. 8-33-35 W.

2-27	A. E. Johnston	403.0	9-10	A. E. Johnston	214.0
4-16	do	412.0			

NIOBRARA RIVER
U. S. G. S. Station at Valentine

9-9	A. E. Johnston	617.2	9-24	A. E. Johnston	824.9

NIOBRARA RIVER
Below Dam at Valentine—Sec. 28-34-27 W.

3-2	A. E. Johnston	1097.0	9-9	A. E. Johnston	627.0
4-18	do	1040.0	9-24	do	928.0
4-20	do	913.0	9-25	do	846.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

NIOBRARA RIVER
Lynch—Sec. 2-32-10 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
12-8	A. E. Johnston	1780.0	3-4	A. E. Johnston	1481.0
2-2	do	3282.0	4-21	do	2165.0

NINE MILE DRAIN
Sec. 25-21-53 W.

10-5	C. E. Franklin	270.0	5-15	A. W. Hall	84.0
11-5	do	216.0	6-6	do	136.0
11-19	do	186.0	6-17	do	153.0
12-5	A. E. Johnston	165.0	8-11	do	204.0
1-12	do	138.0	8-18	F. F. LeFever	177.0
2-17	do	112.0	8-24	A. E. Johnston	213.0
3-25	A. W. Hall	97.0	9-5	F. F. LeFever	196.0
4-8	do	131.0	9-10	do	180.0
5-1	do	87.0			

OAK CREEK
Capital Beach—Sec. 16-10-6 E.

11-21	A. E. Johnston	73.0	8-24	L. F. Hanks	5.1
1-3	do	8.0	9-5	do	3.5
4-28	do	8.5			

OMAHA CREEK
Sec. 14-26-8 E.

3-12	A. E. Johnston	12.9	4-30	A. E. Johnston	10.5

OTTER CREEK
Sec. 9-15-40 W.

10-28	A. E. Johnston	29.0	6-25	A. E. Johnston	23.0
11-7	do	34.1	7-9	do	28.0
12-2	do	33.2	7-19	do	26.2
1-9	do	27.0	7-28	do	23.4
2-13	do	29.8	8-5	do	4.0
4-2	do	29.3	8-12	do	17.0
5-15	do	21.0	8-19	do	15.4
6-1	do	6.4	9-4	do	30.2
6-11	do	25.9	9-19	do	24.4

PAPILLION CREEK, LITTLE
Sec. 35-15-13 E.

10-14	A. E. Johnston	3.3	3-13	A. E. Johnston	14.5
11-20	do	71.6	4-29	do	3.7
12-20	do	6.7	8-22	L. F. Hanks	3.1
1-29	do	11.1	9-3	do	4.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

PAWNEE CREEK
Sec. 4-12-27 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-6	A. E. Johnston	9.4	6-24	A. E. Johnston	6.0
10-21	do	11.8	7-1	do	2.0
10-24	do	10.3	7-7	do	3.0
11-12	do	14.1	7-14	do	4.0
11-28	do	27.0	7-17	do	3.5
12-11	do	21.8	7-31	do	1.0
1-6	do	15.6	8-14	do	4.0
2-10	do	15.2	9-1	do	5.2

PEPPER CREEK
Alliance-Chadron Highway—Sec. 35-30-48 W.

11-3	A. E. Johnston	0.8	7-24	A. E. Johnston	0.0
5-27	do	1.0	8-6	do	.4
6-21	do	.2			

PINE CREEK
Colclesser Mill—Sec. 33-30-44 W.

4-15	A. E. Johnston	38.0	9-23	A. E. Johnston	18.8
5-26	do	24.0			

PINE CREEK
Below Mill at Long Pine—Sec. 33-30-44 W.

2-27	A. E. Johnston	34.4	9-8	A. E. Johnston	18.3

PLUM CREEK
Sec. 14-32-22 W.

3-3	A. E. Johnston	130.0	4-20	A. E. Johnston	133.0

PLUM CREEK
U. P. R. R. Bridge—Sec. 10-19-49 W.

11-6	A. E. Johnston	7.8	5-30	A. E. Johnston	4.9
12-3	do	6.7	6-13	do	4.2
1-10	do	8.5	6-23	A. W. Hall	3.0
2-14	do	6.5	7-22	do	3.1
3-10	A. W. Hall	6.9	8-10	A. E. Johnston	6.1
3-24	do	5.5	8-21	do	6.4
4-6	A. E. Johnston	7.7	9-9	F. F. LeFever	5.0
5-2	A. W. Hall	4.7	9-22	A. E. Johnston	7.0
5-18	A. E. Johnston	5.1	9-28	do	5.5

PONCA CREEK
Lynch—Sec. 14-33-10 W.

3-4	A. E. Johnston	25.3	4-21	A. E. Johnston	17.5

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

PRAIRIE CREEK
Silver Creek—Sec. 24-16-3 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT
10-11	A. E. Johnston	9.7	5-6	A. E. Johnston	39.2
11-18	do	7.8	6-7	do	19.0
12-16	do	14.0	7-6	do	12.1
3-7	do	8.0	8-1	do	.0
3-19	do	19.2			

PUMPKINSEED CREEK
Gering-Kimball Highway—Sec. 4-19-55 W.

10-8	C. E. Franklin	10.1	5-1	C. E. Franklin	14.1
10-26	do	8.8	5-20	do	9.2
11-10	do	13.7	6-13	do	8.2
11-28	do	17.7	7-20	do	1.1
1-19	A. E. Johnston	17.0	7-21	do	1.2
3-2	C. E. Franklin	13.2	8-30	do	1.1
3-23	do	9.4	9-23	do	2.3
4-14	do	10.6			

PUMPKINSEED CREEK
Five Miles South of Bridgeport—Sec. 28-19-50 W.

3-10	A. W. Hall	48.6	6-11	A. W. Hall	6.0
4-7	do	41.1	6-13	A. E. Johnston	6.2
4-28	do	66.7	6-16	A. W. Hall	11.0
5-11	do	42.1	9-5	do	7.1
6-1	do	3.6			

PUMPKINSEED CREEK
Sec. 12-19-50 W.

10-7	C. E. Franklin	83.0	6-11	A. W. Hall	7.0
11-6	A. E. Johnston	61.2	6-16	do	3.0
11-8	C. E. Franklin	36.4	6-22	do	16.0
11-25	do	40.0	7-3	do	22.2
2-16	A. E. Johnston	72.7	7-10	A. E. Johnston	8.4
3-10	A. W. Hall	57.3	7-14	A. W. Hall	7.3
4-1	do	52.3	7-20	A. E. Johnston	9.0
4-7	do	55.0	8-25	do	22.1
4-28	do	49.8	9-5	A. W. Hall	20.0
5-11	do	52.1			

RED BIRD CREEK
Sec. 11-32-10 W.

12-18	A. E. Johnston	34.0	3-4	A. E. Johnston	29.1
2-2	do	53.2	4-21	do	30.8

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

RED WILLOW CREEK
Sec. 6-20-51 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-15	C. E. Franklin	108.0	5-2	A. W. Hall	44.1
10-17	A. E. Johnston	69.5	5-15	do	27.5
10-31	C. E. Franklin	50.4	6-8	do	18.6
11-14	do	46.7	6-16	do	1.4
12-5	do	23.0	7-1	do	4.7
1-12	A. E. Johnston	54.5	8-12	Hall and LeFever	17.4
2-17	do	50.8	8-24	A. E. Johnston	21.6
3-11	A. W. Hall	42.7	9-4	A. W. Hall	43.6
3-24	do	29.8	9-12	F. F. LeFever	38.9
4-7	do	34.7			

RED WILLOW CREEK
Red Willow—Sec. 17-3-28 W.

10-24	C. E. Franklin	50.2	5-7	C. E. Franklin	29.2
11-4	do	81.4	5-29	do	16.9
11-19	do	68.5	6-28	do	14.7
12-4	A. E. Johnston	76.1	7-13	do	20.8
1-26	do	39.1	8-9	do	57.9
3-12	do	37.3	9-16	do	7.4
4-1	do	45.6	9-28	do	5.4
4-20	C. E. Franklin	31.2			

REPUBLICAN RIVER
Colorado-Nebraska Line—Sec. 10-1-42 W.

10-16	C. E. Franklin	87.0	5-17	C. E. Franklin	28.9
11-1	do	76.3	6-6	do	34.7
11-15	do	71.0	6-27	do	5.8
12-6	do	93.1	7-10	do	7.2
1-23	A. E. Johnston	76.4	7-30	do	4.6
3-18	C. E. Franklin	77.5	8-27	do	7.5
4-10	do	80.3	9-26	do	30.8
4-27	do	65.9			

REPUBLICAN RIVER
Sanborn—Sec. 11-1-42 W.

11-15	C. E. Franklin	58.5	5-17	C. E. Franklin	23.0
12-6	do	87.8	6-6	do	35.7
1-23	A. E. Johnston	103.8	6-27	do	7.4
3-18	C. E. Franklin	69.7	7-10	do	8.8
4-10	do	70.8	7-30	do	4.0
4-27	do	68.9	8-27	do	7.7

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

REPUBLICAN RIVER, NORTH FORK
Benkelman—Sec. 19-1-37 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-16	C. E. Franklin	167.0	5-16	C. E. Franklin	78.0
11-1	do	171.0	6-5	do	150.0
11-15	do	108.0	6-27	do	16.9
12-6	do	112.0	7-10	do	5.0
1-24	A. E. Johnston	179.0	7-30	do	.0
3-17	C. E. Franklin	139.0	8-27	do	.0
4-10	do	197.0	9-12	do	2.0
4-26	do	178.0	9-26	do	23.0

REPUBLICAN RIVER, SOUTH FORK
Benkelman—Sec. 19-1-37 W.

10-16	C. E. Franklin	59.3	5-16	C. E. Franklin	51.2
11-1	do	44.1	6-5	do	667.0
11-15	do	43.4	6-27	do	11.1
12-6	do	66.0	7-10	do	.6
1-24	A. E. Johnston	94.9	7-30	do	.2
3-17	C. E. Franklin	68.7	8-27	do	12.6
4-10	do	65.8	9-12	do	.2
4-27	do	80.4	9-26	do	1.2

REPUBLICAN RIVER
Max

6-5	C. E. Franklin	800.0

REPUBLICAN RIVER
Culbertson—Sec. 16 and 17-3-31 W.

10-14	C. E. Franklin	215.0	5-7	C. E. Franklin	160.0
10-30	do	99.0	5-28	do	43.5
11-13	do	126.0	6-28	do	4.5
12-3	do	259.0	7-11	do	7.5
1-23	A. E. Johnston	272.0	8-7	do	46.0
3-8	C. E. Franklin	222.0	8-26	do	3.0
4-8	do	225.6	9-11	do	.7
4-18	do	159.0	9-27	do	.0

REPUBLICAN RIVER
McCook—Sec. 31-3-29 W.

10-14	C. E. Franklin	578.0	5-7	C. E. Franklin	390.0
10-18	A. E. Johnston	565.0	5-28	do	78.5
10-30	C. E. Franklin	318.0	6-28	do	6.4
11-13	do	327.0	7-8	do	91.6
12-3	do	673.0	8-7	do	312.0
1-24	A. E. Johnston	655.0	8-26	do	20.3
3-9	C. E. Franklin	364.0	9-11	do	.0
4-1	do	396.0	9-27	do	21.6
4-20	do	299.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

REPUBLICAN RIVER
Oxford

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-17	A. E. Johnston	943.0	1-26	A. E. Johnston	639.0

REPUBLICAN RIVER
Bostwick

4-4	C. E. Franklin	833.0	7-14	C. E. Franklin	176.0
4-22	do	945.0	8-10	do	1432.0
5-8	do	1976.0	9-8	L. F. Hanks	61.0
5-30	do	501.0	9-17	C. E. Franklin	37.0
6-29	do	370.0			

REPUBLICAN RIVER
Superior—Sec. 36-1-7 W.

10-16	A. E. Johnston	4227.0	3-13	A. E. Johnston	671.0
11-24	do	1780.0	3-16	do	299.0
1-27	do	730.0			

ROCK CREEK
Parks—Sec. 21-1-39 W.

10-16	C. E. Franklin	15.0	5-17	C. E. Franklin	16.7
11-1	do	18.1	6-6	do	17.2
11-15	do	12.7	6-27	do	10.5
12-6	do	15.0	7-10	do	10.1
1-23	A. E. Johnston	19.9	7-30	do	11.8
3-18	C. E. Franklin	17.6	8-27	do	9.8
4-10	do	13.4	9-26	do	11.1
4-27	do	16.3			

ROCK CREEK
Springview—Sec. 12-32-22 W.

3-3	A. E. Johnston	4.8	4-20	A. E. Johnston	3.4

RUSH CREEK
Sec. 17-17-45 W.

10-29	A. E. Johnston	0.9	5-16	A. E. Johnston	0.5
11-6	do	1.3	5-30	do	.3
12-3	do	5.5	6-27	do	.0
2-14	do	3.1	9-28	do	.0

SALT CREEK
Below C. B. & Q. Dam—Sec. 2-9-6 E.

10-15	A. E. Johnston	3.0	1-29	A. E. Johnston	10.1
11-21	do	250.0	3-14	do	12.7
1-3	do	3.0	4-28	do	15.3

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

SALT CREEK
Ashland—Sec. 1-12-9 E.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT
1-29	A. E. Johnston	53.8	4-29	A. E. Johnston	66.9
3-13	do	68.3			

SAND CREEK
Below Bendix Canal—Sec. 35-33-53 W.

5-23	Johnston and Rasmussen	0.5	6-19	A. E. Johnston	0.0

SAND CREEK
Station—Sec. 10-15-40 W.

10-28	A. E. Johnston	3.5	6-26	A. E. Johnston	3.0
11-7	do	4.7	7-9	do	3.5
12-2	do	7.8	7-19	do	.0
1-9	do	4.9	7-28	do	.0
2-13	do	3.6	8-12	do	3.4
4-2	do	3.7	8-19	do	1.6
5-15	do	1.2	9-4	do	4.0
6-1	do	2.7	9-19	do	3.9
6-11	do	2.3			

SAND CREEK
Franklin—Sec. 33-2-14 W.

4-21	C. E. Franklin	0.7	7-13	C. E. Franklin	0.2
5-8	do	1.7	8-10	do	.1
5-30	do	.2	9-17	do	.0
6-29	do	.2	9-29	do	.0

SANDY CREEK, BIG
Powell—Sec. 22-3-1 E.

10-15	A. E. Johnston	29.3	4-27	A. E. Johnston	44.7
3-16	do	29.9			

SANDY CREEK, BIG
Sec. 12-33-14 W.

4-21	A. E. Johnston	38.5

SANDY CREEK, LITTLE
Sec. 7-33-13 W.

4-21	A. E. Johnston	6.1

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

SAPPA CREEK
Orleans—Sec. 19-2-19 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
3-12	C. E. Franklin	55.3	6-28	C. E. Franklin	38.6
4-2	do	70.0	7-13	do	23.0
4-20	do	80.7	8-10	do	274.0
5-7	do	66.0	9-16	do	1.2
5-29	do	233.0	9-28	do	2.1

SARBEN SLOUGH
Sarben—Sec. 20-14-35 W.

11-1	A. E. Johnston	4.6	6-9	A. E. Johnston	2.9
11-8	do	4.3	6-25	do	1.0
1-8	do	2.4	7-8	do	2.1
2-12	do	5.0	7-18	do	2.2
4-1	do	8.5	7-29	do	.2
5-14	do	2.8	8-13	do	1.4
6-2	do	1.8	9-3	do	1.8

SCHLAGEL CREEK
Valentine—Sec. 24-33-28 W.

3-2	A. E. Johnston	14.8	9-9	A. E. Johnston	13.6
4-18	do	18.0	9-24	do	14.9

SCOTTSBLUFF DRAIN
Scottsbluff—Sec. 25-22-54 W.

10-3	C. E. Franklin	22.2	3-25	A. W. Hall	8.1
10-18	do	20.6	4-8	do	10.7
11-6	do	17.8	5-14	do	5.9
11-22	do	19.0	6-6	do	24.1
12-6	A. E. Johnston	16.2	6-18	do	13.0
1-15	do	15.4	8-8	Hall and LeFever	22.1
2-19	do	12.5	8-28	A. E. Johnston	26.0
3-13	A. W. Hall	10.2	9-22	F. F. LeFever	32.0

SHEEP CREEK
Morrill—Sec. 21-23-57 W.

10-2	C. E. Franklin	120.0	5-13	A. W. Hall	39.4
10-21	do	135.3	5-27	do	1.2
11-7	do	126.8	6-5	do	6.3
11-23	do	116.0	6-18	do	11.0
12-6	A. E. Johnston	108.9	6-26	do	2.0
1-14	do	85.0	8-6	Hall and LeFever	2.7
2-19	do	90.9	8-24	F. F. LeFever	4.0
3-12	A. W. Hall	77.2	8-27	A. E. Johnston	3.7
4-2	do	84.1	9-10	A. W. Hall	3.3
4-30	do	80.8	9-24	F. F. LeFever	6.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

SHELL CREEK
Schuyler—Sec. 12-17-3 E.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-13	A. E. Johnston	23.5	12-20	A. E. Johnston	27.5
11-19	do	23.9	1-30	do	50.7

SILVER CREEK
Silver Creek—Sec. 6-15-3 W.

10-11	A. E. Johnston	1.1	5-6	A. E. Johnston	14.4
11-18	do	3.8	6-7	do	2.9
12-16	do	2.7	7-6	do	2.9
3-7	do	2.5	8-1	do	.7
3-19	do	7.3	9-9	L. F. Hanks	.3

SILVERNAIL DRAIN
Northport—Sec. 6-19-49 W.

11-6	A. E. Johnston	16.5	6-13	A. E. Johnston	14.0
12-3	do	15.3	6-23	do	11.0
1-10	do	10.8	7-22	A. W. Hall	8.7
2-14	do	10.2	8-10	A. E. Johnston	10.5
3-10	A. W. Hall	7.3	8-21	do	10.1
3-24	do	5.2	9-9	F. F. LeFever	11.0
4-6	A. E. Johnston	5.3	9-12	A. W. Hall	11.8
5-2	A. W. Hall	5.4	9-22	A. E. Johnston	16.2
5-18	A. E. Johnston	5.2	9-28	do	11.0
5-30	do	9.1			

SKUNK CREEK
Keystone—Sec. 1-14-37 W.

10-3	A. E. Johnston	2.7	6-1	A. E. Johnston	2.8
10-27	do	2.2	7-18	do	.4
11-8	do	3.3	8-12	do	1.5
1-8	do	3.5	8-19	do	2.5
2-12	do	4.1	9-4	do	1.6
5-15	do	4.1			

SNAKE CREEK
Below Kilpatrick Reservoir—Sec. 6-24-51 W.

10-1	A. E. Johnston	0.6	1-15	A. E. Johnston	2.7
10-30	do	.7			

SNAKE CREEK
Alliance-Bridgeport Highway—Sec. 8-24-48 W.

11-4	A. E. Johnston	0.0	7-21	A. E. Johnston	0.0
2-24	do	21.1	8-6	do	.0
4-6	do	70.0	9-7	do	.0
5-19	do	17.2	9-27	do	.0
5-27	do	1.2			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

SNAKE RIVER
Above Falls—Sec. 9-31-30 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
2-28	A. E. Johnston	311.0	9-9	A. E. Johnston	248.0
4-17	do	260.0	9-24	do	248.0

SOLDIER CREEK
Sec. 19-31-52 W.

10-31	A. E. Johnston	7.1	5-25	A. E. Johnston	2.8
1-16	do	3.9	6-19	do	1.8
2-26	do	7.6	7-22	do	.4
4-10	do	8.0	9-12	do	.5

SOW BELLY CREEK
Sec. 33-33-55 W.

11-1	A. E. Johnston	3.1	6-16	Johnston and Rasmussen	1.4
4-9	do	4.3	7-22	do	.9
5-21	Johnston and Rasmussen	4.0			

SPOTTED TAIL CREEK, DRY
Sec. 28-23-56 W.

10-2	C. E. Franklin	67.8	5-27	A. W. Hall	23.7
10-21	do	95.3	6-5	do	25.6
11-6	do	85.5	6-18	do	31.0
11-23	do	33.5	7-9	do	21.4
12-5	A. E. Johnston	53.7	7-25	do	47.2
1-13	do	57.2	8-5	do	32.0
2-18	do	39.2	8-25	F. F. LeFever	35.0
3-12	A. W. Hall	32.9	8-27	A. E. Johnston	38.3
4-10	do	24.0	9-2	F. F. LeFever	34.0
4-30	do	46.0	9-10	A. W. Hall	30.2
5-12	do	22.0	9-24	F. F. LeFever	23.0
5-23	do	12.0			

SPOTTED TAIL CREEK, WET AND KRONBERG SEEP
Sec. 1-22-56 W.

10-2	C. E. Franklin	16.2	4-10	A. W. Hall	14.0
10-21	do	26.2	5-1	do	16.4
11-6	do	16.0	5-14	do	7.8
11-23	do	22.0	6-5	do	11.9
12-5	A. E. Johnston	14.0	6-18	do	16.0
1-13	do	16.9	7-8	do	10.3
2-18	do	14.8	8-7	Hall and LeFever	9.4
3-13	A. W. Hall	15.5	8-25	F. F. LeFever	13.0
3-25	do	12.1	8-27	A. E. Johnston	18.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

SPRING CREEK
Henry—Sec. 10-23-58 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
9-23	F. F. LeFever	9.0			

SPRING CREEK
Sec. 9-34-18 W.

3-3	A. E. Johnston	12.0	4-20	A. E. Johnston	13.0

SPRING CREEK
Tributary to Little Cottonwood—Sec. 13-32-51 W.

11-1	A. E. Johnston	0.9	6-19	A. E. Johnston	1.4
1-16	do	1.3	7-22	do	.0
2-26	do	2.1	9-11	do	.0
4-11	do	1.6	9-26	do	2.2
5-22	Johnston and Rasmussen	.0			

SQUAW CREEK
Above McDowells Reservoir—Sec. 12-31-52 W.

11-1	A. E. Johnston	0.9	5-23	Johnston and Rasmussen	1.0
1-16	do	.9	6-19	do	.3
2-25	do	2.1	9-12	A. E. Johnston	.0
4-13	do	1.3			

SQUAW CREEK
Below McDowells Reservoir—Sec. 1-31-52 W.

11-1	A. E. Johnston	3.2	5-23	Johnston and Rasmussen	0.3
1-16	do	1.3	6-19	A. E. Johnston	.5
2-25	do	2.0	9-12	do	.1
4-13	do	.1			

SQUAW CREEK
Below Shepherd Canal—Sec. 36-34-57 W.

6-16	Johnston and Rasmussen	0.0	6-17	A. E. Johnston	0.1
6-17	do	.2			

STEWARTS DRAIN
Morrill—Sec. 13-23-57 W.

10-2	C. E. Franklin	2.0	4-30	A. W. Hall	0.6
10-21	do	1.7	5-14	do	.4
11-7	do	1.5	5-27	do	.5
11-23	do	2.3	6-5	do	1.3
12-5	A. E. Johnston	1.3	6-18	do	.4
1-13	do	.9	7-10	do	.0
2-18	do	.5	8-27	A. E. Johnston	.5
3-12	A. W. Hall	2.1	9-10	A. W. Hall	.3
4-10	do	2.6			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

STINKING WATER CREEK
Palisade—Sec. 25-5-34 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-14	C. E. Franklin	63.1	5-6	C. E. Franklin	55.2
10-29	do	48.2	5-27	do	21.2
11-12	do	33.2	6-19	do	36.8
12-3	do	37.0	7-27	do	14.3
1-22	A. E. Johnston	61.2	8-23	do	34.2
3-8	C. E. Franklin	46.2	9-10	do	21.6
4-9	do	90.2	9-29	do	20.6
4-17	do	42.0			

STREVER CREEK
Above Dawson County Drain—Secs. 13 and 14-9-21 W.

10-7	A. E. Johnston	32.1	3-25	A. E. Johnston	7.5
10-22	do	40.0	5-11	do	5.6
1-5	do	6.4	6-8	do	11.0
2-9	do	8.5	9-15	do	.0

STREVER CREEK
Below Dawson County Drain—Secs. 13 and 14-9-21 W.

10-7	A. E. Johnston	58.1	7-13	A. E. Johnston	13.4
11-13	do	29.3	7-15	do	14.5
11-26	do	33.2	7-16	do	14.8
12-11	do	37.0	7-31	do	3.0
6-23	do	43.0	8-3	do	3.0
7-3	do	16.3	8-15	do	4.0
7-6	do	21.1	9-2	do	7.6
7-12	do	12.4	9-15	do	3.4

STREVER CREEK
Into Elm Creek Canal—Sec. 1-8-20 W.

10-7	A. E. Johnston	56.0	7-2	A. E. Johnston	15.0
10-22	do	36.4	7-3	do	12.8
11-13	do	27.7	7-6	do	28.7
11-26	do	32.3	7-12	do	13.3
12-11	do	35.6	7-13	do	14.3
1-5	do	37.8	7-15	do	12.9
2-9	do	27.3	7-16	do	14.3
3-25	do	28.7	7-31	do	.4
5-11	do	51.3	8-3	do	.5
6-3	do	30.7	8-15	do	2.4
6-6	do	50.0	9-2	do	3.3
6-8	do	47.0	9-15	do	.4
6-23	do	45.9			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

THOMPSON CREEK, BIG
Riverton—Sec. 2-1-13 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT
10-16	A. E. Johnston	18.3	5-30	C. E. Franklin	13.1
11-24	do	24.0	6-29	do	8.7
1-27	do	24.7	7-13	do	14.5
3-17	do	27.2	8-10	do	33.6
4-2	C. E. Franklin	26.5	9-17	do	9.5
4-21	do	21.5	9-29	do	8.5
5-8	do	27.9			

TIMBER CREEK, BIG
Fullerton Highway—Sec. 25-17-7 W.

4-10	C. E. Franklin	2.1	7-10	C. E. Franklin	0.5
4-26	do	.9	7-30	do	.6
5-16	do	1.3	8-27	do	.6
6-5	do	.8	9-12	do	.5
6-27	do	.7	9-26	do	.8

TOOHEY DRAIN
Mitchell—Sec. 20-23-56 W.

10-2	C. E. Franklin	6.5	5-14	A. W. Hall	1.7
10-21	do	9.8	5-27	do	1.2
11-6	do	4.2	6-5	do	4.0
11-23	do	7.2	6-18	do	2.0
12-5	A. E. Johnston	4.2	7-10	do	2.0
1-13	do	3.2	8-7	Hall and LeFever	3.4
2-18	do	2.4	8-25	F. F. LeFever	5.0
3-12	A. W. Hall	2.9	8-27	A. E. Johnston	4.6
4-10	do	1.5	9-10	A. W. Hall	6.2
4-30	do	3.9	9-24	F. F. LeFever	9.0

TOOHEY SPILLWAY
From Tri-State Canal—Sec. 19-23-56 W.

10-2	C. E. Franklin	33.0	4-30	A. W. Hall	12.5
10-21	do	21.2	5-14	do	.0
11-7	do	25.0	5-27	do	.0
11-23	do	32.2	6-5	do	.0
12-5	A. E. Johnston	19.4	6-18	do	.0
1-13	do	20.8	7-9	do	.0
2-18	do	13.7	8-27	A. E. Johnston	.0
3-12	A. W. Hall	11.6	9-10	A. W. Hall	.0
4-10	do	14.3			

TRUNK BUTTE CREEK
Chadron—Sec. 25-33-50 W.

11-1	A. E. Johnston	0.9	5-24	A. E. Johnston	1.0
2-26	do	1.5	6-20	do	.2
4-13	do	1.1	9-11	do	.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

TUB SPRINGS
Above Enterprise Canal—Sec. 33-23-55 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
5-1	A. W. Hall	22.0	7-17	A. W. Hall	25.0
5-14	do	28.0	7-25	do	26.0
5-23	do	38.0	8-7	Hall and LeFever	35.0
6-5	do	46.0	8-25	F. F. LeFever	34.0
6-18	do	45.0	9-11	A. W. Hall	38.0
6-26	do	67.0	9-22	F. F. LeFever	35.0
7-1	do	68.0			

TUB SPRINGS
Below Enterprise Canal—Sec. 32-23-55 W.

5-23	A. W. Hall	13.0	7-25	A. W. Hall	5.0
6-5	do	67.0	8-7	Hall and LeFever	7.0
6-18	do	10.0	8-25	F. F. LeFever	9.0
6-26	do	43.0	8-27	A. E. Johnston	73.0
7-1	do	20.0	9-11	A. W. Hall	11.0
7-17	do	9.0			

TUB SPRINGS
Sec. 8-22-55 W.

10-2	C. E. Franklin	97.7	3-25	A. W. Hall	26.8
10-18	do	68.0	4-10	do	34.0
11-6	do	61.6	5-1	do	16.2
11-22	do	59.0	5-14	do	21.9
12-5	A. E. Johnston	54.8	8-25	F. F. LeFever	13.0
1-13	do	46.2	8-27	A. E. Johnston	13.0
2-18	do	38.9	9-11	A. W. Hall	12.0
3-13	A. W. Hall	32.8			

TURKEY CREEK
West of Oxford—Sec. 31-4-21 W.

1-26	A. E. Johnston	7.0

TURKEY CREEK
Naponee—Sec. 4-1-16 W.

10-17	A. E. Johnston	27.1	5-29	C. E. Franklin	15.8
11-25	do	23.7	6-28	do	9.4
1-26	do	21.8	7-13	do	9.8
3-17	do	18.4	8-10	do	6.1
4-2	do	13.6	9-16	do	3.2
4-21	do	12.9	9-29	do	6.9
5-8	C. E. Franklin	13.5			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

TURTLE CREEK
Elyra—Sec. 36-20-15 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-10	A. E. Johnston	1.1	2-4	A. E. Johnston	2.2
11-17	do	.9	3-20	do	5.2
12-15	do	2.8			

UNION CREEK
Below Mill at Madison—Sec. 5-21-1 W.

12-17	A. E. Johnston	26.4	3-9	A. E. Johnston	59.1
1-31	do	20.3	5-4	do	49.9

VERDIGREE CREEK
St. Verdigree—Sec. 9-30-6 W.

12-18	A. E. Johnston	104.0	3-10	A. E. Johnston	133.0
2-2	do	132.0	5-2	do	110.0

VICTORIA CREEK
Anselmo—Sec. 1-19-21 W.

10-9	A. E. Johnston	10.1	2-6	A. E. Johnston	11.6
11-5	do	11.5	3-23	do	11.1
12-13	do	10.1	5-8	do	28.5

WAHOO CREEK
Ashland—Sec. 35-13-9 E.

10-14	A. E. Johnston	63.0	3-13	A. E. Johnston	70.2
11-20	do	259.0	4-29	do	31.0
1-2	do	27.7	9-4	L. F. Hanks	43.0
1-29	do	31.6			

WARBONNET CREEK
Above Warbonnet Canal—Sec. 20-33-56 W.

4-11	Johnston and Rasmussen	3.9	6-16	Johnston and Rasmussen	2.7
5-21	do	4.0	7-22	do	.1

WHISTLE CREEK
Sec. 12-28-54 W.

10-1	Johnston and Rasmussen	0.5	6-18	A. E. Johnston	0.0
4-8	A. E. Johnston	4.3	7-23	Johnston and Rasmussen	.0
5-20	Johnston and Rasmussen	.0			

WHITE CLAY CREEK
Rushville—Sec. 6-34-44 W.

4-15	A. E. Johnston	5.0	9-10	A. E. Johnston	1.6
5-26	do	7.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

WHITE HORSE CREEK
Gannett—Sec. 5-13-29 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-6	A. E. Johnston	21.8	6-24	A. E. Johnston	8.0
10-21	do	20.9	7-1	do	4.0
10-24	do	28.2	7-7	do	7.1
11-12	do	24.6	7-14	do	6.0
11-28	do	43.7	7-17	do	4.4
12-11	do	32.1	7-31	do	1.5
1-6	do	20.5	8-3	do	1.3
2-10	do	30.8	8-14	do	2.6
3-30	do	17.8	9-1	do	2.2
5-12	do	19.3	9-17	do	4.4
6-4	do	9.0			

WHITEMANS FORK
Sec. 22-6-39 W.

1-22	A. E. Johnston	1.9

WHITE RIVER
Crawford—Sec. 10-31-52 W.

10-31	A. E. Johnston	25.1	6-19	A. E. Johnston	23.1
1-16	do	33.0	7-22	do	12.5
2-25	do	32.0	9-12	do	10.2
4-10	do	29.6	9-26	do	14.3
5-25	do	24.0			

WHITE RIVER
Crawford—Sec. 2-31-52 W.

11-1	A. E. Johnston	5.2	5-25	Johnston and Rasmussen	9.0
1-16	do	5.2	6-19	do	2.3
2-25	do	7.8	9-12	A. E. Johnston	.8
4-13	do	5.0			

WHITE RIVER
Above Whitney Diversion—Sec. 26-32-52 W.

11-1	A. E. Johnston	20.0	6-19	A. E. Johnston	12.4
1-16	do	35.0	7-22	do	1.6
2-26	do	36.0	9-12	do	2.8
4-13	do	41.0	9-26	do	10.5
5-23	Johnston and Rasmussen	10.0			

WHITE RIVER
Below Whitney Diversion Dam—Sec. 26-32-52 W.

11-1	A. E. Johnston	22.0	5-23	Johnston and Rasmussen	9.8
1-16	do	.0	6-19	A. E. Johnston	4.9
2-26	do	1.7	9-12	do	1.0
4-13	do	28.1			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Continued

WHITE RIVER
Six Miles West of Chadron—Sec. 18-33-49 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
11-3	A. E. Johnston	25.0	6-20	A. E. Johnston	5.5
1-16	do	16.9	7-24	do	.7
2-26	do	48.0	9-11	do	.5
4-14	do	40.6	9-26	do	13.2
5-25	do	25.0			

WHITE TAIL CREEK
Keystone—Sec. 36-15-38 W.

10-3	A. E. Johnston	32.7	6-25	A. E. Johnston	19.0
10-27	do	39.4	6-30	do	14.0
11-8	do	40.5	7-8	do	29.4
12-2	do	41.0	7-18	do	33.4
1-8	do	37.9	8-4	do	19.8
2-12	do	34.5	8-12	do	16.5
5-15	do	35.1	8-19	do	18.6
6-1	do	21.6	9-4	do	27.9
6-9	do	23.5	9-18	do	34.4

WILD HORSE DRAIN
Bayard—Sec. 12-20-52 W.

10-24	C. E. Franklin	57.8	5-2	A. W. Hall	37.4
11-4	do	61.0	5-15	do	19.1
11-19	do	49.0	6-8	do	29.2
12-5	do	53.0	6-16	do	38.0
1-12	A. E. Johnston	47.8	7-16	do	55.3
2-17	do	39.2	8-12	Hall and LeFever	54.3
3-11	A. W. Hall	27.4	8-24	A. E. Johnston	69.2
3-24	do	25.2	9-4	A. W. Hall	75.6
4-7	do	22.6	9-11	F. F. LeFever	70.0

WILLOW CREEK
Lester—Sec. 36-3-10 W.

4-21	C. E. Franklin	0.8	5-30	C. E. Franklin	0.0
5-8	do	125.0			

WILLOW CREEK
Sarben—Sec. 15-14-35 W.

10-27	A. E. Johnston	0.0	6-25	A. E. Johnston	1.0
11-8	do	1.4	7-8	do	2.4
12-1	do	2.0	7-18	do	.0
1-8	do	1.9	7-29	do	1.5
2-12	do	1.0	8-4	do	1.2
4-1	do	2.2	8-13	do	1.4
5-14	do	1.3	8-18	do	.9
6-2	do	1.1	9-3	do	.9
6-9	do	1.2	9-18	do	1.5

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1931—Concluded

WINTERS CREEK
Scottsbluff—South Line Sec. 19-22-54 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-3	C. E. Franklin	129.0	5-14	A. W. Hall	48.3
10-18	do	94.3	6-5	do	41.0
11-6	do	84.2	6-6	do	31.0
11-22	do	74.3	7-1	do	34.0
12-6	A. E. Johnston	73.9	7-7	do	86.4
1-15	do	61.1	8-8	Hall and LeFever	54.7
2-19	do	72.2	8-28	A. E. Johnston	49.8
3-13	A. W. Hall	39.2	9-2	F. F. LeFever	102.0
3-25	do	38.5	9-8	A. W. Hall	71.6
4-8	do	40.9	9-17	F. F. LeFever	99.0
5-1	do	49.9			

WINTERS CREEK
North Line—Sec. 19-22-54 W.

6-6	A. W. Hall	74.9	8-28	A. E. Johnston	127.0
6-26	do	120.0	9-2	F. F. LeFever	123.0
7-1	do	84.0	9-8	A. W. Hall	128.0
8-8	Hall and LeFever	114.0	9-17	F. F. LeFever	116.0

WOOD RIVER
Kearney—Sec. 12-9-16 W.

10-8	A. E. Johnston	37.6	2-7	A. E. Johnston	5.8
11-14	do	49.8	3-24	do	6.5
12-12	do	6.5	5-9	do	15.9

WOOD RIVER
Wood River

8-1	A. E. Johnston	0.0

WOOD RIVER
Grand Island—Sec. 13-11-9 W.

10-11	A. E. Johnston	52.0	4-24	A. E. Johnston	49.0
12-16	do	27.0	5-7	do	61.0
3-7	do	17.0	6-7	do	29.0

SAND HILL LAKES

GAGE HEIGHT RECORDS SHOWING RISE AND FALL OF WATER SURFACE

Year Ending September 30, 1931

CARNINE LAKE

Carnine Ranch—Sec. 2-22-50 W.

DATE	HYDROGRAPHER	GAGE	DATE	HYDROGRAPHER	GAGE
2-24	L. D. Carnine	15.20	7-3	L. D. Carnine	14.86
3-4	do	15.40	7-16	do	14.54
3-18	do	15.48	7-21	A. E. Johnston	14.40
4-6	do	15.86	8-1	L. D. Carnine	14.06
4-16	do	15.80	8-6	A. E. Johnston	13.92
5-2	do	15.82	8-15	L. D. Carnine	13.92
5-16	do	15.80	9-1	do	13.52
5-19	A. E. Johnston	15.80	9-7	A. E. Johnston	13.40
6-4	L. D. Carnine	15.40	9-17	L. D. Carnine	13.20
6-15	A. E. Johnston	15.38	9-27	A. E. Johnston	13.25
6-16	L. D. Carnine	15.30			

EAST VALLEY LAKE

Sec. 20-22-46 W.

4-11	Mrs. A. E. Gentle	3887.75	7-25	Mrs. A. E. Gentle	3886.74
4-25	do	3887.68	7-30	A. W. Hall	3886.42
5-9	do	3887.86	8-15	do	3886.20
5-23	do	3887.68	8-29	do	3886.10
6-6	do	3887.48	9-12	do	3885.64
6-20	do	3886.76	9-26	do	3885.18
7-4	do	3886.90			

Note—Sea level elevations.

LAKE ELI

Eli—Sec. 7-34-35 W.

2-27	A. E. Johnston	10.75	9-10	A. E. Johnston	9.80
4-16	do	10.75	9-23	do	10.75

HACKBERRY LAKE

Simeon—Sec. 29-31-28 W.

3-1	A. E. Johnston	5.46	7-1	R. O. Burton	5.06
3-15	R. O. Burton	5.55	7-15	do	4.92
4-1	do	5.65	8-1	do	4.66
4-16	do	5.66	8-15	do	4.48
5-1	do	5.48	9-1	do	4.28
5-15	do	5.44	9-15	do	4.08
6-1	do	5.25	10-1	do	4.00
6-15	do	5.24			

THOMPSON LAKE

Lakeside—Sec. 9-24-44 W.

2-24	Leonard Denbo	5.10	5-15	Leonard Denbo	2.25
3-1	do	5.10	6-1	do	4.92
3-15	do	5.15	6-15	do	4.80
4-1	do	5.20	7-1	do	4.50
4-15	do	5.22	7-14	do	4.32
5-1	do	5.24			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932

ANTELOPE CREEK
Main Street of Gordon

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-17	A. E. Johnston	0.5	4-27	A. E. Johnston	1.1
11-5	do	.5	6-15	do	.5
12-10	do	.0	8-19	do	.4
2-26	do	2.3	9-14	do	.1
3-23	do	4.4			

ARICKAREE RIVER
Haigler—Sec. 28-1-41 W.

10-13	C. E. Franklin	2.2	6-20	A. W. Hall	23.8
10-15	do	618.0	7-14	do	.3
11-19	A. E. Johnston	18.4	8-9	do	19.4
1-15	do	27.1			

ASH CREEK
South of Whitney—Sec. 7-32-50 W.

10-19	A. E. Johnston	1.1	6-20	A. E. Johnston	3.2
11-7	do	2.5	8-1	do	.3
3-1	do	8.1	8-22	do	.3
3-28	do	5.7	9-19	do	.0
5-2	do	7.0			

ASH CREEK, EAST
Above Barron Canal—Sec. 32-32-50 W.

10-19	A. E. Johnston	0.9	8-22	A. E. Johnston	0.7
11-7	do	1.3	9-19	do	.4
8-1	do	.9			

BALD SEEP
Sec. 32-23-56 W.

10-1	A. W. Hall	1.6	6-24	F. F. LeFever	25.0
1-27	F. F. LeFever	.7	7-5	do	10.3
2-24	do	1.9	7-13	do	4.0
3-18	do	2.2	7-22	do	7.0
5-9	do	2.2	8-17	do	6.8
5-24	do	12.1	9-8	do	25.6
6-3	do	5.0	9-21	do	23.7
6-16	do	11 0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

BAYARD SUGAR FACTORY DRAIN
Below Alliance Canal—Sec. 4-20-52 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
1-29	F. F. LeFever	37.3	6-6	F. F. LeFever	6.6
2-8	A. E. Johnston	36.6	6-21	Follansbee and LeFever	55.5
2-25	F. F. LeFever	36.1	6-29	F. F. LeFever	17.8
3-10	A. E. Johnston	35.9	7-20	do	30.4
3-19	F. F. LeFever	35.2	7-28	do	35.1
4-5	A. E. Johnston	34.0	8-19	do	71.5
4-22	do	25.7	9-3	do	82.9
5-11	F. F. LeFever	27.6	9-27	do	92.5
5-27	do	55.2			

BAYARD SUGAR FACTORY DRAIN
Sec. 34-21-52 W.

10-13	F. F. LeFever	67.0	12-7	A. E. Johnston	53.2
10-26	do	52.7	1-9	F. F. LeFever	42.7
11-3	do	52.0			

BAZILE CREEK
Niobrara—Sec. 21-32-5 W.

10-9	H. P. Eisenhuth	23.4	3-14	Moore and Hanks	60.0
10-10	do	24.9	4-3	S. C. Moore	67.0
10-27	do	27.4	5-23	L. F. Hanks	27.5
11-7	do	33.6	6-9	do	135.0
11-19	do	32.9	7-14	do	24.9
1-9	Boyer and Hanks	32.3	8-13	M. C. Boyer	127.0
2-9	M. C. Boyer	29.0			

BAZILE CREEK
Bazile Mills—Sec. 4-29-5 W.

10-10	H. P. Eisenhuth	23.0

BEAR CREEK
South of Eli—Sec. 25-34-36 W.

10-15	A. E. Johnston	8.7	4-27	A. E. Johnston	76.0
11-6	do	9.0	6-15	do	8.3
12-10	do	12.5	7-28	do	5.9
1-29	do	21.4	8-19	do	1.6
2-26	do	86.5	9-14	do	7.3
3-23	do	63.7			

BEAR CREEK
Below Dry Creek Junction

7-29	A. E. Johnston	3.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

BEAUTY CREEK
One Mile East of Franklin—Sec. 31-2-14 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-14	C. E. Franklin	0.3	1-19	A. E. Johnston	0.4
11-24	A. E. Johnston	1.1			

BEAVER CREEK
Lebanon—T. 1, R. 26 W.

1-27	M. C. Boyer	0.9	6-20	L. F. Hanks	31.9
2-26	do	14.2	7-21	do	1.3
3-25	Moore and Hanks	4.0	8-22	M. C. Boyer	2.9
4-15	S. C. Moore	4.1	9-25	H. P. Eisenhuth	.0
6-1	L. F. Hanks	41.1			

BEAVER CREEK
Three Miles West of Beaver City—T. 2 R. 23 W.

1-27	M. C. Boyer	3.2	6-17	L. F. Hanks	60.0
2-26	do	39.8	7-21	do	1.0
3-25	Moore and Hanks	8.4	8-22	M. C. Boyer	.2
4-15	S. C. Moore	6.4	9-25	H. P. Eisenhuth	.4
6-1	L. F. Hanks	223.0			

BEAVER CREEK
Two and One-half Miles South of Hollinger—T. 2, R. 22 W.

1-26	M. C. Boyer	1.0	6-17	L. F. Hanks	366.0
2-26	do	16.3	7-21	do	.3
3-25	Moore and Hanks	12.9	8-22	M. C. Boyer	.0
4-15	S. C. Moore	10.0	9-24	H. P. Eisenhuth	.0
6-1	L. F. Hanks	226.0			

BEAVER CREEK
Below Braddock Canal—Sec. 18-34-46 W.

6-18	A. E. Johnston	2.7	8-20	A. E. Johnston	0.6
7-30	do	1.4	9-17	do	.3

BEAVER RIVER
North of Albion—Sec. 15-20-6 W.

10-13	H. P. Eisenhuth	66.0	4-2	S. C. Moore	74.0
10-28	do	46.0	5-23	L. F. Hanks	39.8
11-9	do	52.0	6-8	do	191.0
11-20	do	67.0	7-9	do	42.1
1-11	U. S. G. S.	67.0	8-10	M. C. Boyer	44.4
2-6	M. C. Boyer	52.0	9-17	H. P. Eisenhuth	40.1
3-12	Hanks and Moore	59.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

BIRDWOOD CREEK, EAST
Sec. 34-17-33 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-24	A. E. Johnston	10.2			

BIRDWOOD CREEK
Sec. 2-14-33 W.

10-2	A. E. Johnston	158.0	5-12	A. E. Johnston	153.0
10-9	do	151.0	5-19	do	152.0
10-24	do	169.0	5-26	do	296.0
10-31	do	159.0	6-3	do	124.0
11-30	do	187.0	6-9	Johnston and Follansbee	112.0
12-17	do	204.7	6-27	A. E. Johnston	125.0
1-7	do	166.0	7-8	do	121.2
1-25	do	158.0	7-18	do	151.7
2-22	do	177.0	8-8	do	141.0
3-18	do	193.3	8-29	do	144.4
4-11	do	179.0	9-9	do	188.5
4-18	do	190.0	9-24	do	154.6

BLUE CREEK
North Line of Sec. 30-16-42 W.

10-10	A. E. Johnston	74.0	5-24	A. E. Johnston	10.7
10-23	do	79.0	6-4	do	3.0
11-2	do	88.0	6-8	Johnston and Follansbee	2.7
12-1	do	141.0	6-25	A. E. Johnston	71.9
12-16	do	136.7	7-6	do	3.0
1-12	do	107.0	7-16	do	1.4
1-26	do	128.0	8-6	do	.8
2-23	do	121.0	8-13	do	251.8
3-19	do	115.7	8-17	J. V. Ruzicka	51.5
4-9	do	124.6	8-26	A. E. Johnston	8.6
4-19	do	103.4	9-10	do	28.3
5-10	do	104.0	9-23	do	21.2
5-20	do	59.4			

BLUE RIVER, BIG
At Seward—Sec. 28-11-3 E.

10-21	H. P. Eisenhuth	2.4	3-23	Hanks and Moore	86.0
11-2	do	38.2	4-11	S. C. Moore	52.0
11-12	do	36.0	5-27	L. F. Hanks	35.4
1-21	M. C. Boyer	45.0	6-14	do	43.5
2-23	do	63.0	7-18	do	95.0

BLUE RIVER, BIG
Barnston—Sec. 13 and 24-1-7 E.

10-2	C. E. Franklin	551.0	5-29	L. F. Hanks	0.0
10-15	do	260.0	6-15	do	2630.0
10-16	H. P. Eisenhuth	662.0	7-19	do	1551.0
10-30	do	247.0	8-20	M. C. Boyer	638.0
11-11	do	213.0	9-21	H. P. Eisenhuth	582.0
11-24	do	7080.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

BLUE RIVER, LITTLE
Near Deshler—Sec. 20-3-4 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
1-23	M. C. Boyer	74.0	6-16	L. F. Hanks	140.0
2-25	do	218.0	7-20	do	49.0
3-24	Moore and Hanks	106.0	8-22	M. C. Boyer	54.0
4-13	S. C. Moore	80.5	9-22	H. P. Eisenhuth	78.5
5-31	L. F. Hanks	82.0			

BLUE RIVER, LITTLE
Hebron—Sec. 6-2-2 W.

10-2	C. E. Franklin	204.0	2-25	M. C. Boyer	347.0
10-15	H. P. Eisenhuth	124.0	3-24	Moore and Hanks	160.0
10-29	do	98.0	4-13	S. C. Moore	146.0
11-10	do	95.0	5-31	L. F. Hanks	132.0
11-21	do	103.0	6-15	do	212.0
1-23	M. C. Boyer	95.8	7-20	do	142.0

BLUE RIVER, LITTLE
Endicott—North Line of Sec. 3-1-3 E.

10-17	H. P. Eisenhuth	154.0	3-23	Moore and Hanks	261.0
10-30	do	104.0	4-12	S. C. Moore	155.0
11-11	do	128.0	5-19	L. F. Hanks	168.0
11-23	do	2120.0	6-15	do	466.0
11-24	do	2530.0	7-19	do	144.0
1-22	M. C. Boyer	176.0	8-20	M. C. Boyer	205.0
2-24	do	660.0	9-22	H. P. Eisenhuth	157.0

BOGGY CREEK
Below Wickersham Diversion Dam—Sec. 31-33-54 W.

5-3	A. E. Johnston	2.0	8-2	A. E. Johnston	0.0
6-22	do	.0			

BORDEAUX CREEK, BIG
Sec. 14-33-48 W.

10-17	A. E. Johnston	2.2	4-30	A. E. Johnston	6.0
11-6	do	3.8	6-18	do	3.8
12-12	do	2.9	7-30	do	3.2
2-2	do	4.8	8-20	do	2.0
3-1	do	5.9	9-17	do	1.7
3-26	do	4.7			

BORDEAUX CREEK, BIG
Below Thomas Canal—Sec. 34-34-48 W.

10-17	A. E. Johnston	2.1	7-30	A. E. Johnston	3.4
3-26	do	9.2	8-20	do	.6
4-30	do	11.1	9-17	do	1.7
6-18	do	7.3			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

BORDEAUX CREEK, LITTLE
Station at Hartzell Canal—Sec. 13-33-48 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-17	A. E. Johnston	0.3	4-30	A. E. Johnston	6.8
11-6	do	.2	6-18	do	1.0
12-12	do	3.8	7-30	do	.4
2-2	do	3.2	8-20	do	.8
3-1	do	5.3	9-17	do	1.0
3-26	do	3.8			

BROWNS CREEK
Riley—Sec. 13-19-49 W.

7-8	F. F. LeFever	4.0	7-27	F. F. LeFever	0.3
7-18	do	1.5			

BUFFALO CREEK
South of Elm Creek—Sec. 33-9-18 W.

10-6	A. E. Johnston	52.2	6-11	A. E. Johnston	98.6
10-28	do	39.2	6-30	do	51.1
11-27	do	64.8	7-12	do	30.7
12-19	do	10.0	7-21	do	1.4
1-20	do	7.1	7-22	do	4.2
2-16	do	12.6	8-11	do	114.0
3-14	do	6.7	9-1	do	84.7
4-14	do	6.9	9-6	do	69.0
5-16	do	26.2	9-28	do	68.1

BUFFALO CREEK
Mouth—Sec. 20-1-40 W.

10-13	C. E. Franklin	9.1	5-21	A. W. Hall	3.8
11-19	A. E. Johnston	10.2	6-20	do	4.8
1-15	do	13.3	8-9	do	2.1

BULL DRAIN
Maxwell—Sec. 19-13-28 W.

10-5	A. E. Johnston	1.6	4-13	A. E. Johnston	4.0
10-27	do	2.5	5-17	do	2.6
11-27	do	3.6	6-1	do	7.6
12-19	do	3.9	6-29	do	2.8
1-6	do	3.5	7-11	do	2.9
1-21	do	3.0	7-20	do	1.6
2-18	do	3.1	8-10	do	2.4
2-21	do	3.9	8-31	do	1.2
3-16	do	5.5	9-27	do	1.8

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

CALAMUS RIVER
Near Harrop—Sec. 22-23-18 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-8	H. P. Eisenhuth	206.0	3-15	Hanks and Moore	318.0
10-26	do	203.0	4-4	S. C. Moore	215.0
11-6	do	204.0	5-24	L. F. Hanks	197.0
11-18	do	221.0	6-10	do	240.0
1-9	Boyer and Hanks	198.0	7-13	do	209.0
2-10	M. C. Boyer	246.0	8-15	M. C. Boyer	181.0

CAMP CLARK SEEP
North Line—Sec. 9-20-51 W.

10-3	A. W. Hall	6.2	4-5	A. E. Johnston	0.8
11-3	F. F. LeFever	3.4	4-22	do	1.4
12-7	A. E. Johnston	3.1	6-21	Follansbee and LeFever	2.0
1-30	F. F. LeFever	2.0	7-28	F. F. LeFever	5.9
2-8	A. E. Johnston	4.3	8-20	do	6.1
2-25	F. F. LeFever	1.7	9-12	do	9.5
3-19	do	1.5			

CEDAR CREEK
Broadwater—Sec. 11-18-48 W.

10-12	A. E. Johnston	22.0	5-4	F. F. LeFever	3.2
10-22	do	21.4	5-12	do	5.6
10-27	F. F. LeFever	13.0	5-23	A. E. Johnston	3.3
11-3	A. E. Johnston	12.8	5-31	F. F. LeFever	15.5
11-6	F. F. LeFever	9.5	6-6	A. E. Johnston	10.6
11-10	A. E. Johnston	14.4	6-8	F. F. LeFever	3.0
12-2	do	12.1	6-20	do	3.0
12-16	do	17.3	6-30	do	3.0
1-9	do	10.7	7-8	do	3.0
1-27	do	13.5	7-18	do	7.6
2-24	F. F. LeFever	18.1	7-27	do	22.7
2-26	do	12.7	8-12	do	3.6
3-21	A. E. Johnston	12.8	8-22	do	5.0
4-8	do	13.4	9-26	do	9.0
4-21	do	11.9			

CEDAR BRANCH CREEK
Nevens—Sec. 17-14-35 W.

10-2	A. E. Johnston	1.1	5-12	A. E. Johnston	1.4
10-9	do	2.5	5-19	do	1.8
10-24	do	2.1	5-26	do	1.8
10-31	do	1.6	6-3	do	2.3
11-30	do	2.6	6-9	do	1.8
12-17	do	2.1	6-27	do	2.6
1-7	do	3.2	7-8	do	2.3
1-25	do	2.7	7-18	do	1.3
2-22	do	2.1	8-8	do	1.1
3-18	do	2.9	8-29	do	2.3
4-11	do	1.8	9-24	do	2.5
4-18	do	3.7			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

CEDAR RIVER
Fullerton—Sec. 11-16-6 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-13	H. P. Eisenhuth	225.0	3-30	S. C. Moore	236.0
10-28	do	158.0	4-19	do	209.0
11-9	do	190.0	5-20	L. F. Hanks	164.0
11-20	do	243.0	6-6	do	219.0
1-14	Boyer and Hanks	142.0	7-9	do	190.0
2-6	M. C. Boyer	176.0	8-10	M. C. Boyer	233.0
3-10	Moore and Hanks	183.0			

CENTER CREEK
Franklin—Sec. 1-1-15 W.

10-14	C. E. Franklin	1.3	1-18	A. E. Johnston	6.3
11-23	A. E. Johnston	6.0			

CHADRON CREEK NO. 1
One-half Mile above City Reservoir—Sec. 19-32-48 W.

10-14	A. E. Johnston	1.9	5-2	A. E. Johnston	3.2
11-7	do	2.3	6-18	do	2.8
12-15	do	4.6	7-30	do	2.0
2-3	do	3.8	8-22	do	1.0
3-1	do	4.4	9-17	do	.9
3-28	do	3.4			

CHADRON CREEK NO. 2
One Hundred Feet below City Reservoir—Sec. 18-32-48 W.

10-14	A. E. Johnston	0.2	5-2	A. E. Johnston	1.2
11-7	do	.4	6-18	do	.5
12-15	do	.5	7-30	do	.3
2-3	do	.8	8-22	do	.8
3-2	do	.4	9-17	do	.5
3-28	do	.7			

CHADRON CREEK NO. 3
Station 36 of Pipe Line—Sec. 12-32-49 W.

10-14	A. E. Johnston	0.0	5-2	A. E. Johnston	3.6
11-7	do	.2	6-18	do	.6
12-15	do	.8	7-30	do	.1
2-3	do	.7	8-22	do	.0
3-1	do	.7	9-17	do	.0
3-28	do	1.3			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

CHADRON CREEK NO. 4
Chadron-Crawford Highway—Sec. 22-33-49 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-19	A. E. Johnston	0.0	5-2	A. E. Johnston	4.6
11-7	do	.0	6-18	do	2.2
12-14	do	.5	8-1	do	.0
2-2	do	2.0	8-22	do	.0
3-1	do	3.1	9-19	do	.0
3-28	do	3.0			

CLEAR CREEK
Lewellen—Sec. 32-16-41 W.

10-1	A. E. Johnston	10.2	5-20	A. E. Johnston	11.8
10-10	do	10.0	5-24	do	2.4
10-23	do	7.0	6-4	do	1.3
11-2	do	13.5	6-8	Johnston and Follansbee	6.9
12-1	do	14.0	6-25	A. E. Johnston	9.5
12-16	do	14.7	7-7	do	.0
1-8	do	12.5	7-16	do	.1
1-26	do	14.6	8-6	do	.0
2-23	do	10.3	8-17	J. V. Ruzicka	9.7
3-19	do	8.5	8-27	A. E. Johnston	11.6
4-9	do	7.6	9-10	do	9.2
4-19	do	12.8	9-23	do	6.3
5-11	do	11.6			

CLEAR CREEK, UPPER
Ashland—Sec. 35-13-9 E.

10-20	H. P. Eisenhuth	4.6	4-9	S. C. Moore	9.9
11-2	do	3.4	5-28	L. F. Hanks	7.6
11-12	do	11.1	7-7	do	7.3
1-16	M. C. Boyer	15.9	8-12	M. C. Boyer	174.0
2-22	do	52.6	9-20	H. P. Eisenhuth	5.3
3-22	Hanks and Moore	16.3			

CLEVELAND DRAIN
Bayard—Sec. 6-20-52 W.

11-3	F. F. LeFever	1.0	5-26	F. F. LeFever	2.0
12-7	A. E. Johnston	2.5	6-6	do	10.4
2-25	F. F. LeFever	1.5	6-21	Follansbee and LeFever	8.0
4-5	A. E. Johnston	1.3	6-29	F. F. LeFever	5.0
4-22	do	.9	8-19	do	3.4
5-10	F. F. LeFever	2.0	9-12	do	6.2

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

COLDWATER CREEK
Lisco—Sec. 34-18-46 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-12	A. E. Johnston	0.1	5-10	A. E. Johnston	1.1
10-22	do	.2	5-21	do	.1
11-3	do	.5	6-6	do	.1
12-2	do	1.0	6-24	do	.3
12-16	do	1.0	7-5	do	.0
1-9	do	2.5	7-15	do	.0
1-27	do	2.6	8-5	do	.5
2-24	do	1.4	8-25	do	.3
3-21	do	1.5	9-22	do	.2
4-8	do	1.0			

COTTONWOOD CREEK, BIG
One-half Mile North of Dunlap—Sec. 27-29-48 W.

10-14	A. E. Johnston	0.0	5-31	L. F. Hanks	3.1
11-9	do	.6	6-23	A. E. Johnston	.5
3-2	do	5.0	8-4	do	.1
3-29	do	1.8	8-24	do	.1
5-4	do	2.3	9-21	do	.1

COTTONWOOD CREEK, BIG
Whitney—Sec. 22-33-50 W.

3-28	A. E. Johnston	7.4	8-1	A. E. Johnston	0.2
5-2	do	1.8	8-22	do	.5
6-20	do	2.1	9-19	do	.0

COTTONWOOD CREEK, BIG
Bloomington—Sec. 36-2-16 W.

1-26	M. C. Boyer	4.6	6-16	L. F. Hanks	3.4
2-26	do	6.2	7-20	do	2.2
3-25	Moore and Hanks	4.0	8-22	M. C. Boyer	3.5
4-14	S. C. Moore	4.1	9-24	H. P. Eisenhuth	3.1
5-31	L. F. Hanks	3.2			

COTTONWOOD CREEK, LITTLE
Bloomington—Sec. 6-1-15 W.

10-13	C. E. Franklin	0.8	1-18	A. E. Johnston	5.6
11-23	A. E. Johnston	5.3			

COTTONWOOD CREEK, LITTLE
South of Whitney Pipe Line Outlet—Sec. 8-32-51 W.

10-19	A. E. Johnston	2.4	5-2	A. E. Johnston	2.7
11-7	do	1.5	6-20	do	1.6
12-14	do	1.8	8-1	do	1.1
3-1	do	8.1	8-22	do	1.2
3-28	do	10.3	9-19	do	1.1

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

COTTONWOOD CREEK, LITTLE
Below Stuart Brothers Canal—Sec. 18-32-52 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-19	A. E. Johnston	0.6	8-1	A. E. Johnston	0.0
11-7	do	.9	8-22	do	.0
5-2	do	.1	9-19	do	.0
6-20	do	.5			

CROOKED CREEK
Red Cloud—Sec. 1-1-11 W.

10-14	C. E. Franklin	0.1

DAWSON COUNTY DRAIN NO. 2
Darr

10-5	A. E. Johnston	6.1	5-14	A. E. Johnston	6.3
10-28	do	6.1	5-31	do	8.2
11-27	do	6.7	6-11	do	7.7
12-19	do	5.2	6-30	do	5.5
1-5	do	7.3	7-12	do	5.7
1-20	do	5.8	7-21	do	6.9
2-17	do	6.7	8-11	do	11.7
3-14	do	5.9	9-1	do	8.9
4-13	do	4.9	9-28	do	5.6

DEAD HORSE CREEK
Sec. 32-33-49 W.

10-19	A. E. Johnston	1.0	8-1	A. E. Johnston	0.2
11-7	do	.5	8-22	do	.2
5-2	do	8.4	9-19	do	.7
6-20	do	2.8			

DEER CREEK
Holbrook—Sec. 21-4-24 W.

1-28	M. C. Boyer	0.2	6-18	L. F. Hanks	37.4
2-17	do	3.2	7-21	do	.0
3-26	Moore and Hanks	.4	8-23	M. C. Boyer	.0
4-15	S. C. Moore	.2	9-25	H. P. Eisenhuth	.1
6-2	L. F. Hanks	781.0			

DeGRAW DRAIN
Below Schermerhorn Canal—Sec. 24-20-51 W.

10-3	A. W. Hall	9.4	4-22	A. E. Johnston	3.4
11-3	F. F. LeFever	6.0	6-1	F. F. LeFever	3.1
1-30	do	4.0	6-21	Follansbee and LeFever	3.0
2-25	do	9.3	7-19	F. F. LeFever	3.6
4-5	A. E. Johnston	5.3			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

DISMAL RIVER
Dunning—Sec. 4-21-24 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT
10-7	H. P. Eisenhuth	372.0	4-5	S. C. Moore	346.0
10-24	do	319.0	5-25	L. F. Hanks	333.0
11-5	do	330.0	6-10	do	332.0
11-18	do	363.0	7-13	do	317.0
1-8	Hanks and Boyer	363.0	8-16	M. C. Boyer	359.0
2-11	M. C. Boyer	429.0	9-15	H. P. Eisenhuth	329.0
3-16	Hanks and Moore	407.0			

DRIFTWOOD CREEK
South of McCook—Sec. 1-2-30 W.

7-12	A. W. Hall	0.0	8-8	A. W. Hall	0.0

DRY CREEK
Merriman—Sec. 20-34-37 W.

10-15	A. E. Johnston	1.5	4-27	A. E. Johnston	32.1
11-6	do	3.1	6-15	do	2.3
12-10	do	5.0	7-27	do	2.6
1-29	do	3.7	8-17	do	6.0
2-26	do	43.1	9-14	do	.4
3-23	do	34.5			

DUGOUT CREEK, LOWER
Below Cooper Canal—Sec. 4-19-48 W.

11-10	A. E. Johnston	1.5	3-21	A. E. Johnston	1.5
12-2	do	1.7	4-8	do	2.6
1-27	do	1.8	4-21	do	1.4
2-24	do	2.9	7-5	do	.6

DOUGOUT CREEK, UPPER
Sec. 21-20-50 W.

11-3	F. F. LeFever	7.5	6-21	Follansbee and LeFever	26.0
12-9	A. E. Johnston	5.6	6-29	F. F. LeFever	3.0
1-30	F. F. LeFever	3.0	7-19	do	20.8
2-26	do	2.6	7-28	do	7.1
4-4	A. E. Johnston	1.3	8-20	do	7.3
4-26	do	2.5	9-3	do	8.9
6-1	F. F. LeFever	30.5	9-15	do	14.4

ELKHORN RIVER
O'Neill—Sec. 31-29-11 W.

10-9	H. P. Eisenhuth	27.2	4-4	S. C. Moore	70.0
10-27	do	27.7	5-23	L. F. Hanks	36.1
11-7	do	31.0	6-9	do	96.0
11-19	do	31.8	7-14	do	34.2
1-9	Hanks and Boyer	34.6	8-15	M. C. Boyer	50.0
2-9	M. C. Boyer	28.4	9-13	H. P. Eisenhuth	29.3
3-15	Moore and Hanks	38.4			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

ELKHORN RIVER
Neligh—Sec. 20-25-6 W.

DATE	HYDROGRAPHER	SEC.-FT	DATE	HYDROGRAPHER	SEC.-FT
10-12	H. P. Eisenhuth	111.0	4-3	S. C. Moore	300.0
10-27	do	111.0	5-23	L. F. Hanks	121.0
11-9	do	126.0	6-8	do	247.0
11-19	do	133.0	7-15	do	104.0
1-11	Boyer and Hanks	144.0	8-13	M. C. Boyer	176.0
2-8	M. C. Boyer	134.0	9-13	H. P. Eisenhuth	118.0
3-13	Moore and Hanks	179.0			

ELKHORN RIVER
Waterloo—Sec. 3-15-10 E.

10-20	H. P. Eisenhuth	384.0	4-8	S. C. Moore	1020.0
10-31	do	348.0	5-22	L. F. Hanks	775.0
11-13	do	425.0	6-12	Hanks and Eisenhuth	6670.0
11-28	do	663.0	7-8	L. F. Hanks	1530.0
1-15	Hanks and Boyer	630.0	8-12	M. C. Boyer	5100.0
2-20	M. C. Boyer	656.0	9-11	H. P. Eisenhuth	493.0
3-19	Moore and Hanks	2020.0	9-19	do	451.0

ELM CREEK
Elm Creek—Sec. 33-9-18 W.

10-6	A. E. Johnston	1.2	7-21	A. E. Johnston	31.1
10-28	do	1.2	7-22	do	16.0
4-14	do	.0	8-11	do	5.7
5-16	do	9.2	9-1	do	16.8
6-11	do	81.1	9-6	do	9.2
7-12	do	.4	9-28	do	6.5

ELM CREEK
Lester—Sec. 34-2-10 W.

11-24	A. E. Johnston	25.2	1-19	A. E. Johnston	25.5

FAIRFIELD SEEP
Sec. 18-21-53 W.

11-3	F. F. LeFever	1.7	4-5	A. E. Johnston	1.2
12-7	A. E. Johnston	3.0	4-22	do	.3
1-28	F. F. LeFever	.7	6-6	F. F. LeFever	1.5
2-25	do	2.6	7-6	do	3.0
3-10	A. E. Johnston	9.5	8-18	do	1.5
3-19	F. F. LeFever	3.5	9-12	do	4.1

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

FANNING SEEP
Mitchell—Sec. 27-23-56 W.

DATE	HYDROGRAPHER	SEC.-FT	DATE	HYDROGRAPHER	SEC.-FT.
10-1	A. W. Hall	4.2	4-25	A. E. Johnston	2.6
12-8	A. E. Johnston	5.3	5-9	F. F. LeFever	3.7
1-27	F. F. LeFever	5.6	5-24	do	3.0
2-10	A. E. Johnston	4.5	6-3	do	4.0
2-24	F. F. LeFever	3.5	6-16	do	10.0
3-9	A. E. Johnston	5.7	7-5	do	2.0
3-18	F. F. LeFever	3.7	8-17	do	4.8
4-7	A. E. Johnston	2.5	9-30	do	6.7

FARMERS CREEK
Riverton—Sec. 5-1-12 W.

10-14	C. E. Franklin	0.4	4-14	S. C. Moore	2.0
11-24	A. E. Johnston	2.8	5-31	L. F. Hanks	1.0
1-19	do	2.1	6-16	do	1.4
1-25	M. C. Boyer	1.7	7-20	do	.0
2-25	do	15.6	8-22	M. C. Boyer	.2
3-24	Moore and Hanks	5.4	9-23	H. P. Eisenhuth	.2

FLAG CREEK
Orleans—Sec. 19-2-19 W.

10-14	C. E. Franklin	0.7	6-1	L. F. Hanks	1.2
1-26	M. C. Boyer	1.4	6-16	do	.6
2-26	do	4.5	7-20	do	.3
3-25	Moore and Hanks	1.6	8-22	M. C. Boyer	1.0
4-14	S. C. Moore	1.7	9-24	H. P. Eisenhuth	.6

FREMONT SLOUGH
North Platte—Sec. 16-13-30 W.

10-3	A. E. Johnston	1.0	5-13	A. E. Johnston	2.9
10-8	do	.5	5-18	do	3.2
10-26	do	2.1	6-2	do	1.5
10-30	do	1.5	6-28	do	.6
11-28	do	1.4	7-9	do	.7
12-18	do	1.3	7-19	do	.9
1-23	do	2.0	8-9	do	.9
2-18	do	2.0	8-30	do	.5
3-17	do	5.3	9-8	do	.4
4-12	do	1.9	9-26	do	.6
4-16	do	2.2			

FRENCHMAN RIVER
Above Maranville Reservoir—Sec. 10-6-41 W.

10-5	C. E. Franklin	2.8	6-17	A. W. Hall	3.6
11-18	A. E. Johnston	4.2	7-9	do	3.1
1-13	do	2.2	8-5	do	4.9
5-7	do	4.3	9-13	do	3.7

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

FRENCHMAN RIVER
Below Maranville Reservoir—Sec. 11-6-41 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-5	C. E. Franklin	0.3	6-17	A. W. Hall	0.8
11-18	A. E. Johnston	3.1	7-9	do	.3
1-13	do	3.5	8-5	do	4.0
5-7	do	.1	8-11	do	2.2
5-24	A. W. Hall	7.3	9-13	do	4.3

FRENCHMAN RIVER
Above Inman Canal—Sec. 17-6-40 W.

6-17	A. W. Hall	10.4	9-13	A. W. Hall	12.5
7-9	do	8.8			

FRENCHMAN RIVER
Below Inman Canal—Sec. 17-6-40 W.

10-5	C. E. Franklin	12.8	6-17	A. W. Hall	4.1
11-18	A. E. Johnston	20.3	7-9	do	6.8
1-13	do	25.3	8-5	do	7.4
5-7	do	11.7	8-11	do	1.1
5-24	A. W. Hall	10.1	9-13	do	8.7

FRENCHMAN RIVER
Below Champion Lake—Sec. 23-6-40 W.

10-5	C. E. Franklin	21.4	5-7	A. E. Johnston	14.6
11-18	A. E. Johnston	23.2	5-19	A. W. Hall	5.8
1-13	do	28.7	5-24	do	2.3

FRENCHMAN RIVER
Above Champion Lake—Sec. 22-6-40 W.

10-5	C. E. Franklin	18.9	6-17	A. W. Hall	13.0
1-13	A. E. Johnston	33.3	7-9	do	12.0
5-7	do	20.2	8-5	do	26.7
5-19	A. W. Hall	10.2	8-11	do	23.0
5-24	do	10.4	9-13	do	17.1

FRENCHMAN RIVER
Champion—Sec. 19-6-39 W.

U. S. G. S. Station

7-28	L. F. Hanks	36.6	8-11	A. W. Hall	13.9
8-5	A. W. Hall	17.0	9-13	do	26.4

FRENCHMAN RIVER
Champion—Sec. 21-6-39 W.

10-5	C. E. Franklin	48.2	5-7	A. E. Johnston	56.7
11-18	A. E. Johnston	54.9	7-28	L. F. Hanks	36.6
1-13	do	95.9			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

FRENCHMAN RIVER
Champion Mill Dam—Sec. 20-6-39 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-5	C. E. Franklin	37.0	8-6	A. W. Hall	22.6
5-7	A. E. Johnston	34.9	8-11	do	23.4
6-17	A. W. Hall	34.2	9-13	do	33.6
7-9	do	18.7			

FRENCHMAN RIVER
South of Imperial—Sec. 30-6-38 W.

11-18	A. E. Johnston	37.1	7-9	A. W. Hall	52.3
1-13	do	73.0	7-10	do	20.0
5-24	A. W. Hall	67.7	8-6	do	54.6
6-18	do	61.2			

FRENCHMAN RIVER
Wauneta—Sec. 11-5-36 W.

11-18	A. E. Johnston	77.0	8-10	A. W. Hall	73.5
1-14	do	150.6			

FRENCHMAN RIVER
Hamlet—Sec. 19-5-34 W.

11-6	J. H. Baily	86.0	4-11	L. F. Hanks	93.0
11-18	A. E. Johnston	91.0	4-19	do	96.0
1-5	Hanks and Boyer	115.0	5-23	A. W. Hall	74.0
1-14	A. E. Johnston	155.0	6-18	do	121.0
1-20	M. C. Boyer	118.0	7-11	do	66.0
2-29	do	136.0	8-7	do	118.0
3-8	Moore and Hanks	95.0	8-10	do	72.0
3-22	S. C. Moore	96.0	9-14	do	78.0

FRENCHMAN RIVER
Below Culbertson Canal—Sec. 31-5-33 W.

9-14	A. W. Hall	9.0

FRENCHMAN RIVER
East of Palisade—Sec. 31-5-32 W.

11-19	A. E. Johnston	45.2	8-8	A. W. Hall	71.8

FRENCHMAN RIVER
West of Culbertson—Sec. 16-3-31 W.

11-20	A. E. Johnston	146.0	7-13	A. W. Hall	33.9
1-14	do	170.0	8-10	do	49.5
5-20	A. W. Hall	36.0	9-14	do	15.7
6-19	do	277.8			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

GEBAUER DRAIN
Sec. 28-20-50 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-21	A. E. Johnston	0.2	3-21	A. E. Johnston	0.0
11-10	do	.2	4-4	do	.7
1-28	do	1.1	4-21	do	.2
2-25	do	.9	5-23	do	.1

GERING DRAIN
Sec. 6-21-54 W.

10-12	F. F. LeFever	50.4	5-25	F. F. LeFever	18.8
10-23	do	32.8	6-3	do	52.1
11-4	do	29.5	6-17	do	91.0
12-7	A. E. Johnston	29.3	6-25	do	72.9
1-28	F. F. LeFever	22.4	7-6	do	43.6
2-10	A. E. Johnston	30.3	7-14	do	58.8
2-25	F. F. LeFever	24.3	7-22	do	60.4
3-10	A. E. Johnston	23.8	8-2	do	84.7
3-18	F. F. LeFever	23.6	8-17	do	54.8
4-6	A. E. Johnston	22.6	9-1	do	72.9
4-26	do	24.3	9-9	do	77.8
5-9	F. F. LeFever	22.9	9-21	do	64.5

GORDON CREEK
At Mouth—Sec. 30-33-28 W.

10-16	A. E. Johnston	10.3	4-28	A. E. Johnston	33.1
11-5	do	12.2	6-16	do	12.3
12-12	do	30.5	7-28	do	6.9
1-30	do	13.6	8-18	do	6.6
2-27	do	14.8	9-15	do	8.3
3-23	do	69.1			

GOVERNMENT SPRING
Below Ft. Robinson Pumping Plant 4-foot Weir

10-20	A. E. Johnston	0.2	5-4	A. E. Johnston	0.4
11-7	do	.2	6-21	do	.4
12-14	do	.8	8-2	do	.8
2-2	do	.4	8-23	do	.4
3-1	do	.4	9-20	do	.4
3-28	do	.4			

GRAVEL CREEK
Maddox Dam, Three-foot Weir—Sec. 9-14-36 W.

10-31	A. E. Johnston	3.0	5-20	A. E. Johnston	2.6
11-30	do	3.0	5-25	do	2.6
12-17	do	3.0	6-3	do	2.1
1-25	do	2.6	6-25	do	2.6
2-22	do	2.1	7-7	do	2.9
3-18	do	3.1	8-6	do	2.5
4-11	do	2.7	8-27	do	3.0
5-11	do	3.1	9-24	do	2.6

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

GREENWOOD CREEK
Sec. 3-18-50 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
11-10	A. E. Johnston	8.7	4-8	A. E. Johnston	3.9
2-24	do	12.6	4-21	do	5.3

GREENWOOD CREEK
Mouth—South Line Sec. 26-19-50 W.

4-8	A. E. Johnston	0.0	6-22	F. F. LeFever	0.2
4-21	do	.0	7-25	do	2.9
6-1	F. F. LeFever	.5	8-13	do	39.4

HAT CREEK
Above Diversion Coffee Canal—Sec. 35-33-56 W.

5-3	A. E. Johnston	5.6	8-2	A. E. Johnston	2.1
6-22	do	2.9			

HAT CREEK
Montrose—Sec. 18-34-54 W.

5-3	A. E. Johnston	7.9	6-22	A. E. Johnston	4.6

HAT CREEK
Ardmore, South Dakota—Sec. 32, T. 11 S., R. 54 W.

5-3	A. E. Johnston	16.6	6-22	A. E. Johnston	13.7

HORSE CREEK
Lyman—Sec. 25-23-58 W.

10-1	A. W. Hall	43.0	5-23	F. F. LeFever	23.3
10-21	F. F. LeFever	59.0	6-2	do	95.0
11-5	do	30.5	6-9	do	52.0
12-8	A. E. Johnston	66.7	6-23	do	305.0
1-6	F. F. LeFever	12.6	7-2	do	78.0
1-26	do	39.3	7-12	do	85.0
2-9	A. E. Johnston	65.0	7-21	do	96.0
2-24	F. F. LeFever	54.0	7-30	do	151.0
3-9	A. E. Johnston	39.5	8-16	do	102.0
3-18	F. F. LeFever	35.4	8-26	do	109.3
4-6	A. E. Johnston	24.2	9-7	do	98.1
4-25	do	37.6	9-20	do	166.9
5-7	F. F. LeFever	97.2	9-30	do	176.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

HORSE CREEK
Pringle Ranch—Sec. 23-1-39 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-13	C. E. Franklin	1.1	5-21	A. W. Hall	0.9
11-19	A. E. Johnston	2.1	7-14	do	.9
1-15	do	3.0			

INDIAN CREEK
Northport Wye—Sec. 19-20-50 W.

10-3	A. W. Hall	22.3	6-21	Follansbee and LeFever	19.0
11-3	F. F. LeFever	9.2	6-29	F. F. LeFever	6.0
12-9	A. E. Johnston	7.3	7-19	do	15.8
1-30	F. F. LeFever	5.9	7-28	do	12.5
2-26	do	5.3	8-20	do	12.6
4-4	A. E. Johnston	4.4	9-3	do	24.7
4-26	do	5.9	9-15	do	28.0
6-1	F. F. LeFever	6.8			

INDIAN CREEK
Max—Sec. 23-2-36 W.

11-20	A. E. Johnston	3.3	7-14	A. W. Hall	1.1
6-20	A. W. Hall	4.2	8-9	do	.0

INDIAN CREEK
Red Cloud—Sec. 33-2-11 W.

10-14	C. E. Franklin	0.2	5-31	L. F. Hanks	0.4
1-25	M. C. Boyer	.3	6-16	do	.2
2-25	do	20.4	7-20	do	.9
3-25	Moore and Hanks	6.4	8-22	M. C. Boyer	.9
4-14	S. C. Moore	1.2	9-23	H. P. Eisenhuth	.6

JIM CREEK
Below Slattery Canal—Sec. 13-33-57 W.

5-3	A. E. Johnston	0.5	8-2	A. E. Johnston	0.1
6-22	do	.4			

JIM CREEK
Above Highline Canal—Sec. 13-33-57 W.

5-3	A. E. Johnston	0.7	8-2	A. E. Johnston	0.3
6-22	do	.4			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

KEITH-LINCOLN COUNTY DRAIN
Sarben—Sec. 23-14-35 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-2	A. E. Johnston	3.0	5-19	A. E. Johnston	2.3
10-9	do	2.9	6-3	do	3.8
10-24	do	3.0	6-9	do	1.7
10-31	do	.0	6-27	do	1.2
11-30	do	3.7	7-8	do	3.3
1-7	do	4.1	7-18	do	2.6
1-25	do	2.4	8-8	do	1.8
2-22	do	3.2	8-29	do	1.5
3-18	do	4.2	9-24	do	2.1
5-12	do	1.3			

LANE DRAIN
Lyman—Sec. 30-23-57 W.

10-1	A. W. Hall	3.3	5-7	F. F. LeFever	1.0
12-8	A. E. Johnston	2.2	6-2	do	2.4
1-26	F. F. LeFever	1.0	6-23	do	2.0
2-24	do	1.5	7-30	do	6.8
3-18	do	1.0	9-7	do	7.4
4-6	A. E. Johnston	1.5			

LARABEE CREEK
Junction with White Clay Creek—Sec. 6-34-44 W.

4-30	A. E. Johnston	5.5	8-19	A. E. Johnston	1.7
6-14	do	4.5	9-16	do	2.4
7-29	do	2.3			

LEANDER CREEK
South of Merriman—Sec. 33-34-37 W.

10-15	A. E. Johnston	0.0	4-27	A. E. Johnston	5.3
11-6	do	.0	6-15	do	.0
12-10	do	.0	7-27	do	.0
2-26	do	9.0	8-17	do	.0
3-23	do	12.9	9-14	do	.0

LEWELLEN DRAIN
South of Lewellen—Sec. 28-16-42 W.

10-10	A. E. Johnston	3.0	5-20	A. E. Johnston	1.2
10-23	do	3.0	5-24	do	1.4
11-2	do	2.3	6-4	do	1.0
12-1	do	2.2	6-8	do	.9
12-16	do	1.5	6-25	do	.9
1-8	do	1.6	7-6	do	1.3
1-26	do	.9	7-16	do	1.9
2-23	do	2.2	7-27	J. V. Ruzicka	.6
3-19	do	1.2	8-6	A. E. Johnston	1.1
4-9	do	.8	8-27	do	1.4
4-19	do	1.3	9-10	do	1.1
5-10	do	1.6	9-23	do	1.7

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

LINCOLN COUNTY DRAIN NO. 1
One Mile West of North Platte—Sec. 30-14-30 W.

DATE	HYDROGRAPHER	SEC.-FT	DATE	HYDROGRAPHER	SEC.-FT.
10-3	A. E. Johnston	83.0	5-12	A. E. Johnston	53.6
10-8	do	85.2	5-19	do	72.7
10-26	do	88.0	6-2	do	106.2
10-30	do	6.8	6-13	do	113.0
11-28	do	54.7	6-26	do	88.6
12-17	do	53.5	6-28	do	103.2
1-7	do	56.2	7-9	do	101.8
1-22	do	50.3	7-19	do	92.6
2-20	do	56.6	8-9	do	104.2
3-18	do	44.8	8-30	do	112.1
4-12	do	44.9	9-9	do	117.6
4-16	do	42.3	9-26	do	98.3

LINCOLN COUNTY DRAIN NO. 2
Sec. 12-14-33 W.

10-2	A. E. Johnston	5.2	5-12	A. E. Johnston	4.9
10-9	do	5.3	5-19	do	5.2
10-24	do	5.1	5-26	do	6.5
10-31	do	5.6	6-3	do	8.4
11-30	do	5.5	6-9	do	8.1
12-17	do	4.8	6-27	do	8.4
1-7	do	5.8	7-8	do	6.4
1-25	do	3.8	7-18	do	8.9
2-22	do	4.7	8-8	do	8.3
3-18	do	5.9	8-29	do	9.1
4-11	do	3.7	9-24	do	6.9
4-18	do	4.9			

LODGEPOLE CREEK
Wyoming-Nebraska Line—Sec. 11-14-59 W.

10-9	C. E. Franklin	7.4	6-2	A. W. Hall	5.2
11-16	A. E. Johnston	9.4	7-7	Hall and Hanna	1.6
2-5	do	9.9	7-26	A. W. Hall	2.8
3-4	do	14.4	8-19	do	2.2
3-31	do	8.2	9-10	do	3.7
5-5	do	7.9			

LODGEPOLE CREEK
Bushnell—Sec. 31-15-57 W.

10-9	C. E. Franklin	13.4	3-4	A. E. Johnston	21.5
11-16	A. E. Johnston	17.4	3-31	do	21.5
2-5	do	15.9	5-5	do	18.9

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

LODGEPOLE CREEK
Above Kimball Reservoir—Sec. 33-15-57 W.

DATE	HYDROGRAPHER	SEC.-FT	DATE	HYDROGRAPHER	SEC.-FT.
11-16	A. E. Johnston	17.0	6-2	A. W. Hall	15.4
2-5	do	16.8	7-7	Hall and Hanna	11.7
3-4	do	23.4	7-26	A. W. Hall	10.9
3-31	do	20.5	8-19	do	10.3
5-5	do	18.3	9-10	do	10.8

LODGEPOLE CREEK
Below Kimball Reservoir—Sec. 36-15-57 W.

11-16	A. E. Johnston	2.7	6-3	A. W. Hall	4.5
2-5	do	4.3	7-7	Hall and Hanna	3.9
3-4	do	6.7	7-26	A. W. Hall	5.4
3-31	do	4.1	8-19	do	3.9
5-5	do	5.0	9-10	do	3.0

LODGEPOLE CREEK
Below Hurley-Lilly-Polly Canal—East Line Sec. 26-15-56 W.

6-3	A. W. Hall	6.9

LODGEPOLE CREEK
Below Atkins and Polly Canal—Center Sec. 30-15-55 W.

6-3	A. W. Hall	8.6

LODGEPOLE CREEK
North of Kimball—Sec. 29-15-55 W.

10-9	C. E. Franklin	11.0	3-30	A. E. Johnston	3.7
11-16	A. E. Johnston	10.6	6-3	A. W. Hall	.4
2-5	do	7.9	7-26	do	5.5
3-4	do	16.6	8-19	do	9.3

LODGEPOLE CREEK
Above Bennett Reservoir—Sec. 28-15-55 W.

5-5	A. E. Johnston	7.7	7-26	A. W. Hall	0.9
6-3	Hall and Hanna	.9	8-19	do	1.9
7-6	A. W. Hall	.5	9-10	do	.9

LODGEPOLE CREEK
North of Dix—Sec. 26-15-54 W.

10-9	C. E. Franklin	0.0	3-31	A. E. Johnston	1.9
11-16	A. E. Johnston	.0	5-5	do	.0
2-6	do	.0	6-4	A. W. Hall	.0
3-5	do	.0	9-10	do	.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

LODGEPOLE CREEK
South of Sidney—Sec. 32-14-49 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
11-17	A. E. Johnston	0.1	5-25	A. W. Hall	0.6
2-6	do	.2	6-4	do	.6
3-5	do	.2	6-13	do	.8
3-22	do	.5	7-25	do	2.8
3-31	do	.8	8-3	do	2.5
5-6	do	1.2	9-12	do	4.0
5-18	A. W. Hall	.6			

LODGEPOLE CREEK
Above Kreuger Canal—Center Sec. 31-14-48 W.

6-10	A. W. Hall	2.8	8-12	A. W. Hall	6.7
6-24	Hall and Willis	2.8	8-18	do	5.9
7-8	A. W. Hall	2.4	9-12	do	10.6
8-3	do	6.2			

LODGEPOLE CREEK
Below Kreuger Lake—Sec. 29-14-48 W.

3-22	A. E. Johnston	4.7	7-8	A. W. Hall	0.0
3-31	do	3.6	7-24	do	.0
5-6	do	1.0	8-3	do	2.0
5-18	do	.0	8-12	do	1.7
5-25	do	.0	8-18	do	.1
6-9	do	.0	9-12	do	10.3
6-24	Hall and Willis	.4			

LODGEPOLE CREEK
Rock Pile—Northeast Corner Sec. 33-14-48 W.

3-22	A. E. Johnston	5.9	5-6	A. E. Johnston	5.0
3-31	do	2.5	8-18	A. W. Hall	4.2

LODGEPOLE CREEK
Above LaGrange Dam—Sec. 27-14-48 W.

3-22	A. E. Johnston	5.2	8-3	A. W. Hall	1.8
5-6	do	5.0	8-12	do	2.0
5-18	A. W. Hall	1.1	9-12	do	7.2
5-25	do	.3			

LODGEPOLE CREEK
Below LaGrange Dam—Sec. 27-14-48 W.

3-31	A. E. Johnston	0.3	7-27	A. W. Hall	1.5
5-6	do	2.0	8-3	do	2.4
5-18	Hall and Follansbee	.8	8-12	do	1.8
5-25	A. W. Hall	.8	8-18	do	2.7
6-9	do	.8	9-12	do	7.3
6-21	do	.4			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

LODGEPOLE CREEK
Above Bluhm Dam—Sec. 35-14-48 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
5-18	Hall and Follansbee	0.6	8-12	A. W. Hall	0.3
5-25	A. W. Hall	.4	8-18	do	1.1
8-3	do	1.4	9-12	do	4.9
8-5	R. H. Willis	1.5			

LODGEPOLE CREEK
Below Bluhm Dam—Sec. 36-14-48 W.

5-6	A. E. Johnston	0.0	7-27	A. W. Hall	0.0
6-9	A. W. Hall	.0	8-3	do	.2
6-10	Hall and Gardner	.0	8-12	do	.0
6-24	Hall and Willis	.0	8-18	do	.0
7-8	A. W. Hall	.0	9-12	do	2.8

LODGEPOLE CREEK
Below McLaughlin Dam—Sec. 36-14-48 W.

3-22	A. E. Johnston	0.0	6-24	A. W. Hall	0.0
3-31	do	.0	7-8	do	.0
5-6	do	.0	7-23	do	.0
5-18	A. W. Hall	.0	8-3	do	.0
5-25	do	.0	8-12	do	.0
6-9	do	.0			

LODGEPOLE CREEK
West of Lodgepole—Sec. 30-14-46 W.

10-10	C. E. Franklin	0.3	6-21	A. W. Hall	0.9
2-12	A. E. Johnston	4.8	7-8	Hall and Gardner	.0
3-5	do	18.7	8-3	A. W. Hall	.0
4-1	do	.1	8-12	do	.0
5-6	do	7.3	9-12	do	.0
5-25	A. W. Hall	.9			

LODGEPOLE CREEK
Chappell—Sec. 21-13-45 W.

10-10	C. E. Franklin	0.5	5-6	A. E. Johnston	9.9
11-17	A. E. Johnston	.7	5-25	A. W. Hall	1.3
2-12	do	2.2	8-3	do	.7
3-5	do	10.7	8-12	do	.0
4-1	do	5.7	9-12	do	.1

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

LODGEPOLE CREEK
Interstate Station—Sec. 12-12-45 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-10	C. E. Franklin	0.0	5-25	A. W. Hall	2.6
11-17	A. E. Johnston	.3	6-13	do	.9
2-12	do	3.2	8-3	do	1.5
3-5	do	7.4	8-12	do	1.0
4-1	do	.8	9-12	do	1.9
5-6	do	13.8			

LONERGAN CREEK
Sec. 19-15-39 W.

10-1	A. E. Johnston	3.0	5-20	A. E. Johnston	4.6
10-10	do	4.2	5-25	do	4.5
10-23	do	6.1	6-4	do	3.6
11-2	do	3.6	6-8	do	.7
12-1	do	7.3	6-25	do	5.5
12-16	do	5.7	7-7	do	2.0
1-8	do	12.8	7-16	do	1.8
1-26	do	8.9	8-6	do	1.5
2-23	do	13.6	8-15	J. V. Ruzicka	1.1
3-19	do	9.2	8-27	A. E. Johnston	7.6
4-9	do	5.4	9-10	do	7.5
4-19	do	6.5	9-23	do	3.7
5-11	do	5.4			

LOST CREEK
Sec. 1-16-44 W.

10-12	A. E. Johnston	7.3	6-4	A. E. Johnston	6.4
10-23	do	4.3	6-8	Johnston and Follansbee	9.6
11-3	do	2.7	6-25	A. E. Johnston	3.9
12-1	do	3.1	7-6	do	3.6
12-16	do	2.1	7-15	do	2.4
2-23	do	5.0	8-5	do	3.1
3-19	do	6.7	8-10	J. V. Ruzicka	7.2
4-9	do	5.9	8-16	do	2.0
4-19	do	7.0	8-26	A. E. Johnston	9.7
5-9	do	6.9	9-10	do	5.6
5-21	do	3.3	9-23	do	9.4
5-24	do	7.2			

LOUP RIVER, NORTH
Taylor—Sec. 22-21-18 W.

10-8	H. P. Eisenhuth	512.0	4-4	S. C. Moore	494.0
10-26	do	500.0	5-24	L. F. Hanks	397.0
11-6	do	510.0	6-10	do	429.0
11-18	do	549.0	7-13	do	341.0
1-8	Hanks and Boyer	482.0	8-15	M. C. Boyer	367.0
2-10	M. C. Boyer	749.0	9-14	H. P. Eisenhuth	421.0
3-15	Moore and Hanks	661.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

LOUP RIVER, NORTH
St. Paul—Sec. 14-15-10 W.

Date	Hydrographer	Sec.-Ft.	Date	Hydrographer	Sec.-Ft.
10-5	H. P. Eisenhuth	797.0	3-29	S. C. Moore	1010.0
10-23	do	838.0	4-6	do	868.0
11-4	do	787.0	4-18	do	916.0
11-17	do	880.0	5-20	L. F. Hanks	642.0
11-27	do	694.0	5-26	do	2010.0
12-2	do	938.0	6-4	do	1160.0
12-5	do	1010.0	6-20	do	1780.0
1-7	Boyer and Hanks	913.0	7-15	do	604.0
1-20	M. C. Boyer	827.0	8-9	M. C. Boyer	1200.0
1-30	do	471.0	8-17	do	756.0
3-15	Moore and Hanks	1750.0	9-9	H. P. Eisenhuth	668.0
3-17	do	8010.0	9-16	do	743.0
3-17	do	9700.0			

LOUP RIVER, MIDDLE
Sargent—Sec. 1-19-20 W.

10-8	H. P. Eisenhuth	870.0	4-5	S. C. Moore	836.0
10-25	do	883.0	5-25	L. F. Hanks	917.0
11-5	do	848.0	6-10	do	801.0
11-18	do	928.0	7-13	do	607.0
1-8	Boyer and Hanks	867.0	8-16	M. C. Boyer	717.0
2-10	M. C. Boyer	1140.0	9-15	H. P. Eisenhuth	818.0
3-16	Moore and Hanks	4230.0			

LOUP RIVER, MIDDLE
St. Paul—Sec. 10-14-10 W.

10-6	H. P. Eisenhuth	1120.0	3-29	S. C. Moore	1400.0
10-23	do	1260.0	4-6	do	1020.0
11-4	do	1020.0	4-16	do	1240.0
11-17	do	1180.0	5-20	L. F. Hanks	842.0
11-27	do	742.0	5-26	do	1650.0
12-2	do	1180.0	6-4	do	1940.0
12-5	do	916.0	6-20	do	2800.0
1-6	Boyer and Hanks	868.0	7-11	do	1030.0
1-20	M. C. Boyer	820.0	7-15	do	748.0
1-30	do	1100.0	8-9	M. C. Boyer	1200.0
2-12	do	1040.0	8-17	do	1050.0
3-17	Moore and Hanks	3890.0	9-9	H. P. Eisenhuth	880.0
3-17	do	18000.0	9-16	do	973.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

LOUP RIVER
Genoa—Sec. 25-17-4 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-5	H. P. Eisenhuth	1710.0	2-19	M. C. Boyer	1910.0
10-22	do	1950.0	3-10	Hanks and Moore	490.0
11-4	do	2120.0	3-18	do	8910.0
11-16	do	2160.0	3-30	S. C. Moore	2890.0
11-26	do	1070.0	4-7	do	2360.0
12-1	do	2610.0	4-19	do	2730.0
12-4	do	2210.0	5-21	L. F. Hanks	1670.0
1-12	Boyer and Hanks	1450.0	5-26	do	4070.0
1-19	M. C. Boyer	838.0	6-6	do	3150.0
2-3	do	1320.0	6-20	do	6560.0

LOUP RIVER
Columbus—Sec. 25-17-1 W.

10-4	H. P. Eisenhuth	1690.0	5-28	L. F. Hanks	6050.0
10-21	do	2240.0	6-7	do	3070.0
11-3	do	1850.0	7-8	do	1970.0
11-14	do	2110.0	7-16	do	1440.0
1-13	U. S. G. S.	1890.0	8-11	M. C. Boyer	2090.0
3-12	Hanks and Moore	736.0	8-17	do	1690.0
3-18	do	10300.0	9-10	H. P. Eisenhuth	1850.0
5-21	L. F. Hanks	1880.0	9-17	do	2050.0

LOVELY CREEK
East of Franklin—Sec. 35-2-14 W.

10-14	C. E. Franklin	0.2	1-19	A. E. Johnston	2.5
11-24	A. E. Johnston	2.5			

McGUIRES SLOUGH
At Mouth—Sec. 21-6-40 W.

10-5	C. E. Franklin	2.7	1-13	A. E. Johnston	4.0
11-18	A. E. Johnston	2.2	5-7	do	2.9

MEDICINE CREEK
Cambridge—Sec. 18-4-25 W.

10-14	C. E. Franklin	11.2	4-15	S. C. Moore	53.5
11-23	A. E. Johnston	55.9	6-2	L. F. Hanks	1040.0
1-18	do	66.3	6-17	do	534.0
1-28	M. C. Boyer	42.1	7-21	do	26.4
2-27	do	67.0	8-23	M. C. Boyer	19.9
3-26	Moore and Hanks	56.8	9-25	H. P. Eisenhuth	35.2

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

MELBETA DRAIN
One-half Mile West Melbeta Bridge—Sec. 24-21-54 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
11-3	F. F. LeFever	3.0	5-10	F. F. LeFever	1.7
12-7	A. E. Johnston	4.2	5-25	do	8.0
1-28	F. F. LeFever	2.4	6-6	do	.3
2-11	A. E. Johnston	2.6	7-6	do	.0
2-25	F. F. LeFever	3.5	7-26	do	.0
3-10	A. E. Johnston	4.3	8-3	do	.8
4-5	do	2.8	8-18	do	.7
4-22	do	1.6	9-12	do	5.8

MINNECHADUZA CREEK
Valentine—Sec. 28-34-27 W.

10-17	A. E. Johnston	9.8	4-29	A. E. Johnston	82.5
11-6	do	16.1	6-17	do	38.7
12-12	do	13.6	7-29	do	10.6
1-31	do	22.0	8-18	do	36.3
2-29	do	48.3	9-16	do	6.8
3-25	do	34.2			

MITCHELL SPILLWAY
From Tri-State Canal—Sec. 35-23-56 W.

10-9	F. F. LeFever	24.4	3-18	F. F. LeFever	0.0
10-22	do	23.0	4-6	A. E. Johnston	5.5
12-8	A. E. Johnston	4.0	4-25	do	8.4
1-8	F. F. LeFever	.5	5-9	F. F. LeFever	5.5
1-27	do	.7	6-3	do	.3
2-24	do	.3	6-16	do	68.0

MONROE CREEK
Below Big Monroe Canal—Sec. 33-33-56 W.

5-3	A. E. Johnston	0.6	8-2	A. E. Johnston	0.1
6-22	do	1.3			

MORRILL DRAIN
Morrill—Sec. 13-23-57 W.

12-8	A. E. Johnston	0.0	6-15	F. F. LeFever	0.5
4-25	do	1.2	7-12	do	1.6
5-23	F. F. LeFever	.5	8-16	do	3.6
6-2	do	.3	9-8	do	4.5

MUDDY CREEK
Arapahoe—Sec. 16-4-23 W.

10-14	C. E. Franklin	1.6	4-15	S. C. Moore	5.2
11-23	A. E. Johnston	4.1	6-2	L. F. Hanks	1880.0
1-18	do	15.6	6-18	do	75.0
1-27	M. C. Boyer	2.3	7-21	do	41.5
2-27	do	13.9	8-23	M. C. Boyer	1.0
3-26	Hanks and Moore	4.9	9-25	H. P. Eisenhuth	1.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

MUDDY CREEK
Hazard—Sec. 29-13-15 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT
10-7	H. P. Eisenhuth	13.0	4-16	S. C. Moore	28.8
10-24	do	17.5	5-25	L. F. Hanks	14.4
11-5	do	16.3	6-11	do	100.0
11-17	do	22.2	7-12	do	26.1
1-7	Boyer and Hanks	28.7	8-16	M. C. Boyer	42.1
2-11	M. C. Boyer	175.0	9-15	H. P. Eisenhuth	29.7
3-16	Moore and Hanks	37.6			

NINE MILE DRAIN
Southwest Corner Sec. 24-21-53 W.

1-29	F. F. LeFever	94.7	6-21	Follansbee and LeFever	161.0
2-11	A. E. Johnston	102.0	6-27	F. F. LeFever	152.0
2-25	F. F. LeFever	94.6	7-9	do	150.0
3-10	A. E. Johnston	119.3	7-16	do	173.0
3-19	F. F. LeFever	93.2	7-26	do	172.8
4-5	A. E. Johnston	88.3	8-5	do	202.8
4-22	do	82.0	8-19	do	232.0
5-11	F. F. LeFever	84.7	9-3	do	230.0
5-26	do	91.1	9-13	do	221.0
6-6	do	120.0	9-27	do	237.0

NINE MILE DRAIN
Sec. 25-21-53 W.

10-13	F. F. LeFever	177.0	11-3	F. F. LeFever	144.0
10-13	do	178.0	12-7	A. E. Johnston	143.0
10-26	do	160.0	1-8	F. F. LeFever	110.6

NIOBRARA RIVER
Wyoming-Nebraska State Line—Sec. 20-31-58 W.

6-21	A. E. Johnston	6.5	8-23	A. E. Johnston	3.8
8-3	Johnston and Rasmussen	3.9	9-20	do	3.2

NIOBRARA RIVER
South of Harrison—Sec. 9-29-56 W.

6-21	A. E. Johnston	6.4	8-23	A. E. Johnston	3.9
8-3	Rasmussen and Johnston	5.8	9-20	do	6.2

NIOBRARA RIVER
Agate—Sec. 7-28-55 W.

6-23	A. E. Johnston	16.8	8-24	A. E. Johnston	8.3
8-3	Rasmussen and Johnston	10.5	9-21	do	13.4

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

NIOBRARA RIVER
Below Mouth of Whistle Creek—Sec. 7-28-53 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
6-23	A. E. Johnston	17.9	8-24	A. E. Johnston	4.9
8-3	Johnston and Rasmussen	4.9	9-21	do	6.4

NIOBRARA RIVER
South of Marsland—Sec. 5-28-51 W.

10-20	A. E. Johnston	9.9	6-23	A. E. Johnston	27.5
11-9	do	4.7	8-4	do	9.7
3-2	do	61.0	8-24	do	4.7
3-29	do	50.8	9-21	do	8.4
5-4	do	53.2			

NIOBRARA RIVER
Dunlap—Sec. 27-29-48 W.

10-14	A. E. Johnston	16.5	3-29	A. E. Johnston	83.2
10-20	do	20.0	5-4	do	52.0
11-9	do	18.7	6-23	do	23.6
12-15	do	60.9	8-4	do	32.1
2-3	do	34.3	8-24	do	13.4
3-2	do	90.0	9-21	do	13.8

NIOBRARA RIVER
South of Gordon
U. S. G. S. Station

10-15	A. E. Johnston	114.0	4-29	A. E. Johnston	254.0
11-5	do	141.9	6-15	do	98.1
12-10	do	136.0	7-27	do	126.0
2-1	do	126.0	8-17	do	91.2
2-26	do	310.0	9-14	do	104.0
3-25	do	304.0			

NIOBRARA RIVER
Valentine
U. S. G. S. Station

10-16	A. E. Johnston	758.5	4-28	A. E. Johnston	1240.0
11-5	do	781.7	6-16	do	823.0
12-11	do	780.0	7-28	do	705.0
1-30	do	446.0	8-18	do	717.0
2-27	do	1247.0	9-15	do	691.0
3-24	do	1090.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

NIOBRARA RIVER
Below Dam at Valentine—Sec. 28-34-27 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-16	A. E. Johnston	800.0	4-29	A. E. Johnston	1268.7
11-6	do	904.0	6-17	do	902.6
12-12	do	909.0	7-29	do	820.8
1-31	do	426.0	8-18	do	823.8
2-29	do	1240.0	9-16	do	741.6
3-25	do	1281.0			

OAK CREEK
Lincoln—Sec. 16-10-6 E.

10-21	H. P. Eisenhuth	4.8	4-11	S. C. Moore	21.5
11-2	do	3.1	5-27	L. F. Hanks	26.3
11-12	do	5.4	6-14	do	53.0
1-21	M. C. Boyer	10.1	7-18	do	7.1
2-23	do	45.1	8-19	M. C. Boyer	11.8
3-22	Moore and Hanks	27.9	9-20	H. P. Eisenhuth	4.4

OTTER CREEK
Sec. 9-15-40 W.

10-1	A. E. Johnston	11.0	5-20	A. E. Johnston	21.5
10-10	do	24.4	5-25	do	20.9
10-23	do	25.0	6-4	do	19.8
11-2	do	25.0	6-8	Johnston and Follansbee	1.9
12-1	do	28.0	6-25	A. E. Johnston	19.0
12-16	do	17.2	7-7	do	3.9
1-8	do	29.3	7-16	do	19.6
1-26	do	23.2	7-30	J. V. Ruzicka	6.6
2-23	do	25.3	8-6	A. E. Johnston	6.8
3-19	do	27.9	8-19	J. V. Ruzicka	24.7
4-9	do	23.1	8-27	A. E. Johnston	27.8
4-19	do	22.6	9-10	do	24.1
5-11	do	26.0	9-23	do	24.9

PAPILLION CREEK, LITTLE
Omaha—Sec. 35-15-13 E.

10-19	H. P. Eisenhuth	3.4	5-22	L. F. Hanks	7.3
10-31	do	3.4	6-12	do	16.9
11-13	do	4.5	7-8	do	8.1
1-15	Boyer and Hanks	10.6	8-12	M. C. Boyer	6020.0
2-20	M. C. Boyer	19.9	8-12	do	7100.0
3-19	Hanks and Moore	19.8	9-19	H. P. Eisenhuth	7.7
4-11	S. C. Moore	10.0			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

PAWNEE CREEK
West Line—Sec. 4-12-27 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-5	A. E. Johnston	7.0	6-1	A. E. Johnston	15.7
10-27	do	6.5	6-11	do	24.5
11-27	do	9.6	6-29	do	8.0
1-6	do	10.3	7-11	do	9.1
1-21	do	7.0	7-20	do	6.0
2-18	do	8.3	8-10	do	7.3
3-16	do	8.9	8-31	do	4.3
4-13	do	11.9	9-27	do	5.8
5-17	do	2.2			

PINE CREEK
Colclesser Mill—Sec. 33-30-44 W.

10-15	A. E. Johnston	20.7	4-30	A. E. Johnston	23.5
11-4	do	26.4	6-14	do	20.9
12-10	do	23.9	7-27	do	21.7
1-29	do	24.6	8-17	do	19.6
2-25	do	28.4	9-13	do	17.9
3-26	do	37.8			

PLUM CREEK
U. P. R. R. Bridge—Sec. 10-19-49 W.

10-21	A. E. Johnston	5.2	4-21	A. E. Johnston	3.7
11-6	F. F. LeFever	4.0	5-23	do	4.0
11-10	A. E. Johnston	4.3	5-31	F. F. LeFever	3.1
12-2	do	6.5	6-8	do	3.0
1-28	do	8.8	6-22	do	3.0
2-25	do	4.7	6-30	do	3.9
2-26	F. F. LeFever	3.8	7-8	do	3.3
3-21	A. E. Johnston	4.7	8-22	do	3.0
4-4	do	4.2	9-14	do	4.1

PLUM CREEK
At Mouth—North Line of Sec. 14-32-22 W.

1-11	A. E. Johnston	5.6

PUMPKINSEED CREEK
Gering-Kimball Highway—Sec. 4-19-55 W.

10-8	C. E. Franklin	4.8	3-30	A. E. Johnston	12.1
2-5	A. E. Johnston	4.6	7-18	A. W. Hall	.5
3-4	do	10.1			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

PUMPKINSEED CREEK
Five Miles South of Bridgeport—Sec. 28-19-50 W.

DATE	HYDROGRAPHER	SEC.-FT	DATE	HYDROGRAPHER	SEC.-FT.
11-10	A. E. Johnston	21.3	6-1	F. F. LeFever	7.7
2-6	do	21.7	6-22	do	14.0
2-24	do	46.2	7-7	do	6.7
4-8	do	26.2	7-25	do	6.4
4-21	do	31.9	8-13	do	7.4
5-16	Hall and LeFever	8.3	9-6	do	7.2

PUMPKINSEED CREEK
At Mouth—Sec. 12-19-50 W.

10-14	F. F. LeFever	27.2	4-21	A. E. Johnston	34.8
10-22	A. E. Johnston	26.1	5-4	F. F. LeFever	46.1
10-27	F. F. LeFever	31.4	6-1	do	27.4
11-3	A. E. Johnston	40.0	6-6	A. E. Johnston	20.2
11-6	F. F. LeFever	24.3	6-8	F. F. LeFever	16.6
11-10	A. E. Johnston	37.4	6-20	do	60.1
12-16	do	41.7	6-30	do	34.1
1-9	do	33.6	7-9	do	15.8
1-27	do	33.0	7-18	do	42.4
2-6	do	33.6	7-25	do	33.4
2-24	do	5.6	8-1	do	44.7
2-26	F. F. LeFever	50.2	8-13	do	18.2
3-21	A. E. Johnston	63.0	9-6	do	13.2
4-2	F. F. LeFever	50.2	9-15	do	13.4
4-8	A. E. Johnston	30.4	9-26	do	14.0

RED WILLOW CREEK
Below Wild Horse Drain—Southwest Corner Sec. 7-20-51 W.

1-30	F. F. LeFever	67.6	6-6	F. F. LeFever	37.0
2-8	A. E. Johnston	72.0	6-21	Follansbee and LeFever	146.0
2-25	F. F. LeFever	62.2	6-29	F. F. LeFever	49.5
3-10	A. E. Johnston	76.7	7-19	do	68.1
3-19	F. F. LeFever	64.0	7-28	do	68.8
4-5	A. E. Johnston	59.3	8-5	do	84.0
4-22	do	53.4	8-20	do	92.3
5-11	F. F. LeFever	48.9	9-3	do	103.0
5-19	do	256.0	9-12	do	114.0
5-27	do	76.6	9-27	do	160.0

RED WILLOW CREEK
To River—Southwest Corner Sec. 6-20-51 W.

10-3	A. W. Hall	72.7	6-6	F. F. LeFever	6.6
10-13	F. F. LeFever	64.7	6-21	Follansbee and LeFever	96.3
10-26	do	57.4	6-29	F. F. LeFever	3.1
11-3	do	50.1	7-19	do	10.2
12-7	A. E. Johnston	52.4	8-20	do	33.0
1-9	F. F. LeFever	42.7	9-12	do	30.4
1-30	do	39.1	9-27	do	64.8

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

RED WILLOW CREEK
Red Willow—Sec. 17-3-28 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-14	C. E. Franklin	8.0	1-18	A. E. Johnston	51.2
11-23	A. E. Johnston	36.9			

REPUBLICAN RIVER
Colorado-Nebraska Line—Sec. 9-1-42 W.

10-13	C. E. Franklin	14.9	6-20	A. W. Hall	51.9
11-19	A. E. Johnston	59.3	7-14	do	5.0
1-15	do	80.6	8-9	do	30.9
5-21	A. W. Hall	8.6			

REPUBLICAN RIVER
Sanborn—Sec. 11-1-42 W.

11-19	A. E. Johnston	55.1			

REPUBLICAN RIVER, NORTH FORK
Benkelman—Sec. 19-1-37 W.

11-20	A. E. Johnston	108.0	6-20	A. W. Hall	171.1
1-15	do	139.0	7-14	do	3.8
5-21	A. W. Hall	28.7	8-9	do	64.8

REPUBLICAN RIVER, SOUTH FORK
South of Benkelman—Sec. 19-1-37 W.

10-13	C. E. Franklin	12.7	6-20	A. W. Hall	160.0
11-20	A. E. Johnston	38.0	7-14	do	8.7
1-15	do	94.0	8-9	do	51.1
5-21	A. W. Hall	20.7			

REPUBLICAN RIVER
Max—Sec. 32-2-36 W.

11-4	J. H. Bailey	93.0	4-16	L. F. Hanks	69.0
11-19	A. E. Johnston	151.0	6-20	A. W. Hall	441.0
1-15	do	200.0	7-14	do	5.1

REPUBLICAN RIVER
Culbertson—Between Secs. 16 and 17-3-31 W.

11-20	A. E. Johnston	178.0	7-13	A. W. Hall	2.6
1-14	do	198.0	8-10	do	113.5
5-20	A. W. Hall	48.2	9-14	do	6.3
6-19	do	1800.7			

REPUBLICAN RIVER
McCook—Sec. 31-3-29 W.

11-21	A. E. Johnston	340.0	6-19	A. W. Hall	4520.0
1-16	do	340.0	7-12	do	.3
5-20	A. W. Hall	59.6	8-8	do	175.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

REPUBLICAN RIVER
Holbrook—Sec. 22-4-24 W.

DATE	HYDROGRAPHER	SEC.-FT	DATE	HYDROGRAPHER	SEC.-FT
1-28	M. C. Boyer	280.0	6-18	L. F. Hanks	1300.0
2-27	do	599.0	7-21	do	2.8
3-26	Hanks and Moore	468.0	8-23	M. C. Boyer	27.8
4-15	S. C. Moore	308.0	9-25	H. P. Eisenhuth	24.8
6-2	L. F. Hanks	1300.0			

REPUBLICAN RIVER
Oxford—Sec. 31-4-21 W.

1-27	M. C. Boyer	262.0	6-17	L. F. Hanks	1030.0
2-27	do	786.0	7-21	do	33.4
3-25	Moore and Hanks	475.0	8-23	M. C. Boyer	55.0
4-14	S. C. Moore	361.0	9-24	H. P. Eisenhuth	3.6
6-1	L. F. Hanks	1140.0			

REPUBLICAN RIVER
Bloomington—Sec. 8-1-15 W.

11-5	J. H. Bailey	150.0	4-14	S. C. Moore	462.0
11-23	A. E. Johnston	316.0	5-31	L. F. Hanks	1550.0
1-18	do	279.0	6-16	do	923.0
1-26	M. C. Boyer	408.0	7-20	do	71.0
2-26	do	2100.0	8-22	M. C. Boyer	116.0
3-25	Moore and Hanks	685.0	9-24	H. P. Eisenhuth	45.5

REPUBLICAN RIVER
Bostwick—Sec. 23-1-8 W.

10-3	C. E. Franklin	115.0	11-24	A. E. Johnston	311.0
10-15	H. P. Eisenhuth	81.0	1-25	M. C. Boyer	381.0
10-29	do	88.0	2-25	do	21900.0
11-10	do	185.0	3-24	Moore and Hanks	674.0
11-21	do	432.0	4-13	S. C. Moore	513.0

REPUBLICAN RIVER
Superior—Sec. 36-1-7 W.

2-25	M. C. Boyer	21900.0

REPUBLICAN RIVER
Hardy—Sec. 6-1-5 W.

5-19	L. F. Hanks	394.0	7-20	L. F. Hanks	124.0
5-31	do	531.0	8-22	M. C. Boyer	110.0
6-16	do	1190.0	9-23	H. P. Eisenhuth	110.0

ROCK CREEK
Parks—Sec. 21-1-39 W.

11-19	A. E. Johnston	12.3	6-20	A. W. Hall	18.4
1-15	do	18.3	7-14	do	10.2
5-21	A. W. Hall	13.4	8-9	do	10.8

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

RUSH CREEK
One-half Mile Above Mouth—Sec. 17-17-45 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
4-20	A. E. Johnston	0.9	5-21	A. E. Johnston	0.0
5-10	do	1.7	6-6	do	.0

SAND CREEK
Station—Sec. 10-15-40 W.

10-1	A. E. Johnston	3.6	5-20	A. E. Johnston	3.5
10-10	do	4.4	5-25	do	3.6
10-23	do	6.4	6-4	do	3.4
11-2	do	3.7	6-8	Johnston and Follansbee	.0
12-1	do	2.8	6-25	A. E. Johnston	.7
12-16	do	6.0	7-7	do	3.5
1-8	do	4.7	7-16	do	2.8
1-26	do	7.4	8-6	do	4.7
2-23	do	4.9	8-15	J. V. Ruzicka	3.7
3-19	do	6.5	8-27	A. E. Johnston	4.6
4-9	do	2.4	9-10	do	5.2
4-19	do	4.8	9-23	do	5.1
5-11	do	5.5			

SAND CREEK
Sec. 33-2-14 W.

10-13	C. E. Franklin	0.3

SAPPA CREEK
Orleans—Sec. 19-2-19 W.

10-14	C. E. Franklin	1.8

SARBEN SLOUGH
Sec. 20-14-35 W.

10-2	A. E. Johnston	1.5	5-26	A. E. Johnston	2.3
10-24	do	3.1	6-3	do	2.6
10-31	do	2.2	6-9	do	1.4
11-30	do	3.7	6-27	do	2.1
12-17	do	2.8	7-8	do	1.9
1-7	do	5.0	7-18	do	1.3
1-25	do	1.7	7-30	J. V. Ruzicka	1.4
2-22	do	4.0	8-8	A. E. Johnston	1.3
3-18	do	4.8	8-13	J. V. Ruzicka	1.3
4-11	do	3.9	8-19	do	1.6
4-18	do	4.9	8-29	A. E. Johnston	2.5
5-12	do	1.8	9-24	do	2.1
5-19	do	2.5			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

SCHLAGEL CREEK
Sec. 24-33-28 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-16	A. E. Johnston	11.5	4-28	A. E. Johnston	25.6
11-5	do	17.7	6-16	do	14.3
12-11	do	15.7	7-28	do	9.9
1-31	do	17.4	8-18	do	10.8
2-27	do	29.8	9-15	do	7.5
3-24	do	43.1			

SCOTTSBLUFF DRAIN NO. 1
Sec. 25-22-54 W.

11-4	F. F. LeFever	17.1	4-26	A. E. Johnston	11.7
12-7	A. E. Johnston	13.9	5-9	F. F. LeFever	7.9
1-8	F. F. LeFever	13.8	5-25	do	6.0
1-28	do	10.9	6-3	do	10.5
2-10	A. E. Johnston	9.9	6-25	do	10.0
2-24	F. F. LeFever	9.2	7-14	do	23.7
3-10	A. E. Johnston	11.4	8-3	do	18.6
3-18	F. F. LeFever	10.0	9-3	do	27.8
4-7	A. E. Johnston	12.3	9-21	do	29.8

SCOTTSBLUFF DRAIN NO. 2
Sec. 34-22-54 W.

4-26	A. E. Johnston	7.4	7-26	F. F. LeFever	11.2
5-25	F. F. LeFever	3.7	8-18	do	13.2
6-25	do	11.0	9-9	do	11.7
7-14	do	13.0	9-29	do	12.4

SHEEP CREEK
Sec. 21-23-57 W.

10-9	F. F. LeFever	104.0	4-25	A. E. Johnston	74.0
10-21	do	118.0	5-6	F. F. LeFever	161.0
11-5	do	91.1	5-24	do	2.8
12-8	A. E. Johnston	84.1	6-2	do	2.0
1-6	F. F. LeFever	80.4	6-14	do	1.8
1-26	do	72.5	7-2	do	2.7
2-10	A. E. Johnston	97.6	7-30	do	4.1
2-24	F. F. LeFever	74.2	8-3	do	133.0
3-9	A. E. Johnston	76.8	8-16	do	3.2
3-18	F. F. LeFever	73.6	9-30	do	113.0
4-7	A. E. Johnston	72.5			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

SILVERNAIL DRAIN
Sec. 6-19-49 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-21	A. E. Johnston	12.4	5-23	A. E. Johnston	7.3
11-6	F. F. LeFever	10.0	5-31	F. F. LeFever	7.9
11-10	A. E. Johnston	9.7	6-8	do	7.0
12-2	do	11.3	6-22	do	33.0
1-11	do	9.8	6-30	do	9.7
1-28	do	13.3	7-8	do	8.0
2-25	do	7.5	7-18	do	24.8
2-26	F. F. LeFever	7.0	7-27	do	13.4
3-21	A. E. Johnston	10.1	8-22	do	13.0
4-4	do	7.9	9-14	do	13.1
4-21	do	6.2			

SKUNK CREEK
Sec. 1-14-37 W.

10-31	A. E. Johnston	3.7	5-20	A. E. Johnston	2.6
11-30	do	4.3	5-25	do	.3
12-17	do	3.1	6-3	do	1.3
1-25	do	1.9	6-25	do	2.8
2-22	do	4.0	7-7	do	2.2
3-18	do	4.8	8-6	do	1.7
4-11	do	3.2	8-27	do	2.1
5-11	do	2.6	9-24	do	2.4

SNAKE CREEK
Alliance-Bridgeport Highway—Sec. 8-24-48 W.

10-14	A. E. Johnston	0.0	3-29	A. E. Johnston	0.0
11-4	do	.0	4-26	do	.0
12-9	do	.0	5-4	do	5.1
2-25	do	.0	6-14	do	.0

SNAKE RIVER
Above Falls—Sec. 9-31-30 W.

10-16	A. E. Johnston	246.0	4-28	A. E. Johnston	373.6
11-5	do	277.0	6-16	do	319.4
12-12	do	305.0	7-28	do	240.0
1-30	do	255.0	8-18	do	284.0
2-27	do	356.0	9-15	do	259.3
3-24	do	323.4			

SOLDIER CREEK
Sec. 19-31-52 W.

10-20	A. E. Johnston	3.3	5-4	A. E. Johnston	1.7
11-7	do	4.1	6-21	do	2.2
12-14	do	4.0	8-2	do	.4
2-2	do	1.4	8-23	do	.0
3-1	do	2.5	9-20	do	.0
3-28	do	3.7			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

SOW BELLY CREEK
Station Sec. 33-33-56 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
5-3	A. E. Johnston	4.4	8-2	A. E. Johnston	0.4
6-22	do	2.0	8-24	do	.5

SPOTTED TAIL CREEK, DRY
Northwest Corner Sec. 28-23-56 W.

10-1	A. W. Hall	29.6	5-23	F. F. LeFever	24.2
10-9	F. F. LeFever	65.2	6-3	do	48.0
10-22	do	33.2	6-16	do	62.0
11-5	do	39.0	6-24	do	44.0
12-8	A. E. Johnston	35.3	7-5	do	25.1
1-7	F. F. LeFever	41.6	7-12	do	33.7
1-26	do	43.4	7-22	do	45.0
2-9	A. E. Johnston	37.0	8-2	do	29.8
2-24	F. F. LeFever	36.2	8-15	do	25.4
3-8	A. E. Johnston	46.7	8-31	do	47.2
3-18	F. F. LeFever	31.4	9-8	do	39.8
4-7	A. E. Johnston	30.4	9-20	do	44.9
4-25	do	27.1	9-30	do	145.8
5-9	F. F. LeFever	31.7			

SPOTTED TAIL CREEK, WET AND KRONBERG SEEP
Sec. 1-22-56 W.

10-2	A. W. Hall	18.0	5-9	F. F. LeFever	14.1
10-9	F. F. LeFever	17.0	5-23	do	11.6
12-8	A. E. Johnston	17.6	6-3	do	14.7
1-8	F. F. LeFever	12.1	6-24	do	16.0
1-27	do	13.6	7-5	do	17.6
2-9	A. E. Johnston	16.9	7-13	do	19.5
2-24	F. F. LeFever	14.3	7-22	do	16.0
3-9	A. E. Johnston	18.6	8-2	do	18.5
3-18	F. F. LeFever	13.7	8-15	do	17.3
4-6	A. E. Johnston	16.3	9-21	do	18.3
4-25	do	17.5			

SPRING CREEK
Wyoming-Nebraska Line—Sec. 4-23-58 W.

1-27	F. F. LeFever	9.0	6-15	F. F. LeFever	8.2
2-23	do	9.5	7-2	do	7.6
3-17	do	10.9	8-16	do	10.7
5-24	do	11.2	9-8	do	10.5
6-2	do	10.6	9-30	do	11.3

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

SPRING CREEK
Tributary to Sow Belly Creek Below Spring Creek Canal—Sec. 7-32-55 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
6-22	A. E. Johnston	0.7	8-2	A. E. Johnston	0.0

SPRING CREEK
Tributary to Little Cottonwood Creek—Sec. 13-32-52 W.

11-7	A. E. Johnston	2.0	8-1	A. E. Johnston	0.1
3-1	do	2.5	8-22	do	1.3
5-2	do	1.6	9-19	do	.4
6-20	do	.6			

SQUAW CREEK
Above McDowell Reservoir—Sec. 12-31-52 W.

10-19	A. E. Johnston	0.0	6-20	A. E. Johnston	1.7
11-7	do	.0	8-1	do	.0
3-1	do	.8	8-22	do	.0
3-29	do	.6	9-19	do	.0
5-4	do	.7			

SQUAW CREEK
Below McDowell Reservoir—Sec. 1-31-52 W.

10-19	A. E. Johnston	0.3	6-20	A. E. Johnston	0.2
11-7	do	.5	8-1	do	.6
3-1	do	.1	8-22	do	.0
3-29	do	.1	9-19	do	.0
5-4	do	.1			

SQUAW CREEK
Below Shepherd Canal—Sec. 36-34-57 W.

5-30	A. E. Johnston	2.3	8-2	A. E. Johnston	0.3

STEWARTS DRAIN
Sec. 13-23-57 W.

12-8	A. E. Johnston	1.2	4-25	A. E. Johnston	0.2
2-9	do	3.1	6-2	F. F. LeFever	.1
2-10	do	2.0	6-15	do	.0
3-9	do	1.8	8-16	do	2.6
4-7	do	.2	9-8	do	2.0

STINKING WATER CREEK
Palisade—Sec. 25-5-34 W.

11-19	A. E. Johnston	43.0	6-18	A. W. Hall	31.2
1-14	do	72.3	8-8	do	26.1
5-23	A. W. Hall	25.9	9-14	do	20.9

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

STREVER CREEK
Below Junction—Secs. 13 and 14-9-21 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-6	A. E. Johnston	22.7	5-16	A. E. Johnston	21.5
10-28	do	26.8	6-11	do	35.6
11-27	do	15.6	6-30	do	33.6
12-19	do	11.7	7-12	do	23.6
1-5	do	13.3	7-22	do	22.8
1-20	do	10.2	8-11	do	30.1
2-17	do	15.5	9-1	do	18.4
3-14	do	17.7	9-28	do	53.5
4-14	do	16.6			

STREVER CREEK
South of Overton—Sec. 1-8-20 W.

10-6	A. E. Johnston	29.2	5-16	A. E. Johnston	25.7
10-28	do	32.6	6-11	do	51.4

THOMPSON CREEK, BIG
Riverton—Sec. 2-1-13 W.

10-14	C. E. Franklin	9.6	1-19	A. E. Johnston	19.7
11-24	A. E. Johnston	22.5			

TIMBER CREEK
Belgrade

10-13	H. P. Eisenhuth	3.0	3-30	S. C. Moore	5.7
10-13	C. E. Franklin	.8	4-19	do	6.6
10-28	H. P. Eisenhuth	1.3	5-20	L. F. Hanks	3.3
11-9	do	2.6	6-6	do	5.6
11-20	do	8.0	7-9	do	3.9
1-14	Hanks and Boyer	1.6	8-10	M. C. Boyer	14.8
2-6	M. C. Boyer	1.6	9-16	H. P. Eisenhuth	2.1
3-10	Moore and Hanks	2.9			

TOOHEY DRAIN
Sec. 20-23-56 W.

11-5	F. F. LeFever	3.2	5-23	F. F. LeFever	1.5
12-8	A. E. Johnston	3.4	6-2	do	3.0
1-26	F. F. LeFever	1.5	6-15	do	1.6
2-9	A. E. Johnston	3.5	6-24	do	2.0
2-24	F. F. LeFever	1.9	7-12	do	3.6
3-8	A. E. Johnston	2.3	8-16	do	3.9
3-18	F. F. LeFever	1.7	9-8	do	4.2
4-7	A. E. Johnston	1.8	9-30	do	4.2
4-25	do	2.3			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

TOOHEY SPILLWAY
From Tri-State Canal—Sec. 19-23-56 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-1	A. W. Hall	0.0	3-8	A. E. Johnston	15.1
10-9	F. F. LeFever	26.0	3-18	F. F. LeFever	14.7
11-5	do	22.0	4-7	A. E. Johnston	12.9
12-8	A. E. Johnston	17.9	4-25	do	13.4
1-7	F. F. LeFever	17.7	5-7	F. F. LeFever	12.2
1-26	do	16.8	6-2	do	.0
2-9	A. E. Johnston	18.0	9-30	do	88.4
2-24	F. F. LeFever	15.7			

TRUNK BUTTE CREEK
Station—Sec. 25-33-50 W.

10-19	A. E. Johnston	0.0	8-1	A. E. Johnston	0.0
11-7	do	.0	8-22	do	.0
5-2	do	2.0	9-19	do	.0
6-20	do	1.3			

TUB SPRINGS
Above Enterprise Canal—Sec. 33-23-55 W.

10-2	A. W. Hall	36.3	7-13	F. F. LeFever	31.3
5-18	F. F. LeFever	27.8	7-22	do	33.0
5-23	do	27.5	8-2	do	31.5
6-3	do	35.8	8-15	do	33.5
6-16	do	48.8	8-31	do	33.6
6-25	do	56.0	9-9	do	39.9
7-5	do	26.9	9-21	do	37.1

TUB SPRINGS
Below Enterprise Canal—Sec. 32-23-55 W.

10-2	A. W. Hall	32.0	7-13	F. F. LeFever	12.1
5-18	F. F. LeFever	35.2	7-22	do	12.0
5-23	do	12.2	8-2	do	17.7
6-3	do	21.0	8-15	do	31.7
6-16	do	68.0	8-31	do	36.7
6-25	do	9.0	9-9	do	16.0
7-5	do	12.1	9-21	do	21.8

TUB SPRINGS
To River—Sec. 8-22-55 W.

10-9	F. F. LeFever	68.0	2-24	F. F. LeFever	31.6
10-22	do	56.0	3-10	A. E. Johnston	37.2
11-4	do	47.2	3-18	F. F. LeFever	31.2
12-8	A. E. Johnston	45.4	4-6	A. E. Johnston	33.5
1-8	F. F. LeFever	34.8	4-25	do	36.8
1-27	do	32.0	5-9	F. F. LeFever	30.4
2-9	A. E. Johnston	32.5			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

TURKEY CREEK
Oxford—Sec. 31-4-21 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
1-26	M. C. Boyer	3.9	6-17	L. F. Hanks	717.0
2-27	do	6.5	7-21	do	2.8
3-25	Hanks and Moore	3.0	8-23	M. C. Boyer	.8
4-14	S. C. Moore	3.1	9-24	H. P. Eisenhuth	.6
6-1	L. F. Hanks	2.5			

TURKEY CREEK
Naponee—Sec. 4-1-16 W.

10-14	C. E. Franklin	4.3	1-18	A. E. Johnston	19.1
11-23	A. E. Johnston	9.3			

WAHOO CREEK
Ashland—Sec. 35-13-9 E.

10-20	H. P. Eisenhuth	21.8	3-22	Moore and Hanks	65.0
11-2	do	16.9	4-9	S. C. Moore	49.2
11-12	do	25.0	5-28	L. F. Hanks	50.6
1-16	Boyer and Hanks	65.0	6-13	do	513.0
2-22	M. C. Boyer	69.0	7-7	do	38.0

WARBONNET CREEK
Above Warbonnet Canal—Sec. 20-33-56 W.

5-3	A. E. Johnston	5.6	8-2	A. E. Johnston	1.6
6-22	do	2.2			

WHISTLE CREEK
At Mouth—Sec. 12-28-54 W.

6-23	A. E. Johnston	0.3	8-24	A. E. Johnston	0.0
8-3	Rasmussen and Johnston	.0	9-21	do	.0

WHITE RIVER
Crawford—Sec. 2-31-52 W.

10-17	A. E. Johnston	1.9	3-29	A. E. Johnston	4.0
10-19	do	2.2	5-4	do	2.1
11-7	do	2.5	6-20	do	3.0
12-14	do	5.5	8-1	do	1.1
2-2	do	3.1	8-22	do	.8
3-1	do	3.4	9-19	do	.9

WHITE CLAY CREEK
North of Rushville—Sec. 6-34-44 W.

4-30	A. E. Johnston	5.8	8-19	A. E. Johnston	1.9
6-14	do	4.4	9-16	do	1.8
7-29	do	2.1			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Continued

WHITE HORSE CREEK
Gannett—Sec. 5-13-29 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-3	A. E. Johnston	7.6	4-16	A. E. Johnston	19.0
10-8	do	4.7	5-13	do	16.3
10-26	do	10.3	5-17	do	10.8
10-30	do	9.7	6-1	do	9.0
11-28	do	12.2	6-28	do	7.5
12-18	do	16.7	7-9	do	9.3
1-6	do	13.7	7-19	do	4.3
1-21	do	11.3	8-9	do	12.8
2-18	do	17.4	8-30	do	6.1
3-16	do	39.9	9-8	do	5.5
4-12	do	19.2	9-26	do	6.6

WHITE RIVER
Military Road—Sec. 10-31-52 W.

10-20	A. E. Johnston	16.0	5-4	A. E. Johnston	28.4
11-7	do	22.7	6-21	do	21.3
12-14	do	14.7	8-2	do	12.3
2-2	do	29.0	8-23	do	13.3
3-1	do	28.8	9-20	do	13.7
3-28	do	27.5			

WHITE RIVER
Above Whitney Diversion—Sec. 26-32-52 W.

10-19	A. E. Johnston	4.9	5-2	A. E. Johnston	36.1
11-7	do	18.5	6-20	do	17.6
12-14	do	15.7	8-1	do	5.6
2-2	do	34.1	8-22	do	13.9
3-1	do	38.9	9-19	do	7.2
3-28	do	32.9			

WHITE RIVER
Below Whitney Diversion—Sec. 26-32-52 W.

10-19	A. E. Johnston	8.1	5-2	A. E. Johnston	9.0
11-7	do	.1	6-20	do	.0
12-14	do	.0	8-1	do	.0
2-2	do	.0	8-22	do	1.5
3-1	do	13.8	9-19	do	5.9
3-28	do	14.4			

WHITE RIVER
Six Miles West of Chadron—Sec. 18-33-49 W.

10-19	A. E. Johnston	9.8	5-2	A. E. Johnston	31.3
11-7	do	2.7	6-20	do	13.0
12-14	do	15.2	8-1	do	3.5
2-3	do	11.6	8-22	do	.8
3-1	do	40.0	9-19	do	4.1
3-28	do	38.3			

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1932—Concluded

WHITE TAIL CREEK
Sec 36-15-38 W.

DATE	HYDROGRAPHER	SEC.-FT.	DATE	HYDROGRAPHER	SEC.-FT.
10-1	A. E. Johnston	14.7	5-11	A. E. Johnston	31.1
10-9	do	21.3	5-20	do	20.5
10-24	do	23.9	5-25	do	20.4
10-31	do	33.7	6-3	do	18.3
11-30	do	33.0	6-8	do	17.4
12-17	do	27.8	6-25	do	32.0
1-7	do	35.8	7-7	do	25.5
1-25	do	36.6	7-16	do	25.8
2-22	do	35.2	8-6	do	25.2
3-18	do	36.3	8-19	J. V. Ruzicka	25.9
4-11	do	38.1	8-27	A. E. Johnston	35.7
4-18	do	44.2	9-24	do	27.0

WILD HORSE DRAIN
Between Secs. 1 and 12-20-52 W.

10-13	F. F. LeFever	54.0	11-3	F. F. LeFever	42.0
10-26	do	51.0	12-7	A. E. Johnston	38.4

WILLOW CREEK
North of Sarben—Sec. 15-14-35 W.

10-2	A. E. Johnston	1.8	5-12	A. E. Johnston	1.7
10-9	do	1.4	5-19	do	1.1
10-24	do	1.1	5-26	do	1.7
10-31	do	1.6	6-3	do	1.4
11-30	do	1.6	6-9	do	1.4
12-17	do	1.6	6-27	do	1.2
1-7	do	1.6	7-8	do	1.4
1-25	do	1.2	7-18	do	1.1
2-22	do	1.5	8-8	do	1.2
3-18	do	1.5	8-29	do	1.6
4-11	do	.8	9-24	do	1.2
4-18	do	2.1			

WINTERS CREEK, TO RIVER
East of Scottsbluff Sugar Factory—Sec. 19-22-54 W.

10-23	F. F. LeFever	67.6	5-25	F. F. LeFever	24.4
11-4	do	62.9	6-4	do	27.0
12-7	A. E. Johnston	62.8	6-17	do	5.5
1-8	F. F. LeFever	55.6	6-25	do	19.1
1-27	do	56.7	7-6	do	10.0
2-10	A. E. Johnston	71.2	7-13	do	83.1
2-24	F. F. LeFever	51.9	7-26	do	101.6
3-10	A. E. Johnston	56.9	8-3	do	35.0
3-18	F. F. LeFever	49.2	8-17	do	79.9
4-7	A. E. Johnston	49.3	9-1	do	78.8
4-26	do	53.9	9-9	do	109.0
5-9	F. F. LeFever	46.9	9-21	do	118.0

SAND HILL LAKES

GAGE HEIGHT RECORDS SHOWING RISE AND FALL OF WATER SURFACE

Year Ending September 30, 1932

CARNINE LAKE

Carnine Ranch—Sec. 2-22-50 W.

DATE	HYDROGRAPHER	GAGE	DATE	HYDROGRAPHER	GAGE
11-4	A. E. Johnston	11.9	3-29	A. E. Johnston	13.2
12-9	do	12.9	5-4	do	13.3
2-25	do	13.0	6-14	do	12.8

LAKE ELI

Eli—Sec. 12-34-36 W.

10-15	A. E. Johnston	9.1	4-27	A. E. Johnston	10.1
11-6	do	9.1	6-15	do	9.9
12-10	do	9.3	7-28	do	9.7
1-29	do	9.9	8-19	do	9.5
2-26	do	9.7	9-14	do	9.1
3-23	do	9.9			

DISCHARGE OF ARICKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16	29	57	18	24	62	6	15	15	10	15	31
2	16	29	57	18	24	62	6	15	15	10	15	31
3	16	29	57	18	24	62	6	15	15	10	15	31
4	16	29	57	18	24	62	6	15	15	10	15	31
5	16	29	57	18	24	62	6	15	15	10	15	31
6	16	29	57	18	24	50	6	15	15	10	15	31
7	16	29	57	18	24	50	6	15	15	10	15	31
8	16	29	57	18	24	50	6	15	15	10	15	31
9	16	29	57	18	24	50	6	15	15	10	15	31
10	16	29	57	18	24	50	6	15	15	10	15	31
11	16	29	35	20	24	30	1	15	12	15	18	31
12	16	29	35	20	24	30	1	15	12	15	18	31
13	16	29	35	20	24	30	1	15	12	15	18	31
14	16	29	35	20	24	30	1	15	12	15	18	31
15	16	29	35	20	24	30	1	15	12	15	18	31
16	33	29	35	20	24	20	1	15	12	15	18	20
17	33	29	35	20	24	20	1	15	12	15	18	20
18	33	29	35	20	24	20	1	15	12	15	18	20
19	33	29	35	20	24	20	1	15	12	15	18	20
20	33	29	35	20	24	20	1	15	12	15	18	20
21	33	29	14	22	35	10	7	16	10	15	21	20
22	33	29	14	22	35	10	7	16	10	15	21	20
23	33	29	14	22	35	10	7	16	10	15	21	20
24	33	29	14	22	35	10	7	16	10	15	21	20
25	33	29	14	22	35	10	7	16	10	15	21	20
26	33	29	14	22	45	6	7	16	10	15	31	20
27	33	29	14	22	45	6	7	16	10	15	31	20
28	33	29	14	22	45	6	7	16	10	15	31	20
29	33	.....	14	22	45	6	7	16	10	15	31	20
30	33	.....	14	22	45	6	7	16	10	15	31	20
31	33	.....	14	.....	45	.....	7	16	.....	15	.....	20
Mean	25	29	35	20	30	29	5	15	12	13	19	25
Max.	33	29	57	22	45	62	7	16	15	15	31	31
Min.	16	29	14	18	24	6	1	15	10	10	15	20
A. F.	1523	1610	2130	1190	1835	1765	291	945	734	823	1170	1557

Total Acre-feet 15,574

DISCHARGE OF ARNOLD DRAIN—Sec. 12-24-61 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10	5	12	6	6	5	6	12	15	14	12	10
2	10	5	12	6	6	5	6	12	15	14	12	10
3	10	5	12	6	6	5	6	12	15	14	12	10
4	10	5	12	6	6	5	6	12	15	14	12	10
5	10	5	12	6	6	5	6	12	15	14	12	10
6	10	5	12	6	6	5	6	14	11	14	12	10
7	10	5	12	6	6	5	6	14	11	14	12	10
8	10	5	12	6	6	5	6	14	12	14	12	10
9	10	5	12	6	6	5	6	14	12	14	12	10
10	10	5	12	6	6	5	6	14	13	14	12	10
11	10	2	12	6	6	5	6	11	14	14	12	10
12	10	2	12	6	6	5	6	11	14	14	12	10
13	10	2	12	6	6	5	6	11	14	14	12	10
14	10	2	12	6	6	5	6	10	14	14	12	10
15	10	2	12	6	6	5	6	11	14	14	12	10
16	9	2	6	6	4	5	6	12	15	14	12	4
17	9	2	6	6	4	5	6	12	15	14	12	4
18	9	2	6	6	4	5	6	12	15	14	12	4
19	9	2	6	6	4	5	6	12	15	14	12	4
20	9	2	6	6	4	5	6	12	15	14	12	4
21	9	7	6	6	4	5	6	14	12	14	12	4
22	9	7	6	6	4	5	6	14	12	14	12	4
23	9	7	6	6	4	5	6	14	12	14	12	4
24	9	7	6	6	4	5	6	14	12	14	12	4
25	9	7	6	6	4	5	6	14	12	14	12	4
26	9	7	6	6	4	5	6	13	11	14	12	4
27	9	7	6	6	4	5	6	13	11	14	12	4
28	9	7	6	6	4	5	10	13	11	14	12	4
29	9	.....	6	6	4	5	12	12	11	14	12	4
30	9	.....	6	6	4	5	14	12	11	14	12	4
31	9	.....	6	.....	4	.....	14	12	.....	14	.....	4
Mean	9	4	9	6	5	5	7	12	13	14	12	6
Max.	10	7	12	6	6	5	14	14	15	14	12	10
Min.	9	2	6	6	4	5	6	10	11	14	12	4
A. F.	583	250	547	357	305	297	420	771	781	861	715	405

Total Acre-feet 6,292

DISCHARGE OF BAYARD SUGAR FACTORY DRAIN—Sec. 34-21-52 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	48	47	42	54	56	60	69	55	66	52	41	40
2	48	47	42	54	56	60	69	55	66	52	41	40
3	48	47	42	54	56	60	69	55	66	52	41	40
4	48	47	42	54	56	60	69	55	66	52	41	40
5	48	47	42	54	56	60	69	55	66	52	41	40
6	48	47	42	54	56	60	69	55	66	52	41	40
7	48	47	42	54	56	60	69	55	66	52	41	40
8	48	47	42	54	56	60	69	55	66	52	41	40
9	48	47	42	54	56	60	69	55	66	52	41	40
10	48	47	42	54	56	60	69	55	66	52	41	40
11	48	47	52	56	56	60	69	55	66	52	41	40
12	48	47	52	56	56	60	69	55	66	52	41	40
13	48	47	52	56	56	60	69	55	66	52	41	40
14	48	47	52	56	56	60	69	55	66	52	41	40
15	48	47	52	56	56	60	69	55	66	52	41	40
16	28	33	52	56	52	69	69	55	66	52	41	40
17	28	33	52	56	52	69	69	55	66	52	41	40
18	28	33	52	56	52	69	69	55	66	52	41	40
19	28	33	52	56	52	69	69	55	66	52	41	40
20	28	33	52	56	52	69	69	55	66	52	41	40
21	28	33	52	56	52	69	69	60	66	45	41	40
22	28	33	52	56	52	69	69	60	66	45	41	40
23	28	33	52	56	52	69	69	60	66	45	41	40
24	28	33	52	56	52	69	69	60	66	45	41	40
25	28	33	52	56	52	69	69	60	66	45	41	40
26	28	33	52	56	52	69	69	60	55	45	41	40
27	28	33	52	56	52	69	69	60	55	45	41	40
28	28	33	52	56	52	69	69	60	55	45	41	40
29	28	.....	52	56	52	69	69	60	55	45	41	40
30	28	.....	52	56	52	69	69	60	55	45	41	40
31	28	.....	52	.....	52	.....	69	60	.....	45	.....	40
Mean	38	40	48	56	54	64	69	57	64	49	41	40
Max.	48	47	52	56	56	69	69	60	66	52	41	40
Min.	28	33	42	54	52	60	69	55	55	45	41	40
A. F.	2317	2249	2999	3293	3316	3838	4243	3491	3818	3045	2440	2460

Total Acre-feet 37,509

DISCHARGE OF BIRDWOOD CREEK—Sec. 35-15-33 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	187	198	261	184	250	163	146	174	211	163	117	178
2	187	198	261	184	250	163	146	174	211	163	117	178
3	187	198	261	184	250	163	146	174	211	163	117	178
4	187	198	261	184	250	163	146	174	211	163	117	178
5	187	198	261	184	250	163	146	174	211	163	117	178
6	187	198	261	184	225	163	146	174	211	163	117	178
7	187	198	261	184	225	163	146	174	211	163	117	178
8	187	198	261	184	225	163	146	174	211	163	117	178
9	187	198	261	184	225	163	146	174	211	163	117	178
10	187	198	261	184	225	163	146	174	211	163	117	178
11	218	198	235	200	200	163	148	174	211	163	177	195
12	218	198	235	200	200	163	148	174	211	163	177	195
13	218	198	235	200	200	163	148	174	211	163	117	195
14	218	198	235	200	200	163	148	174	211	163	117	195
15	218	198	235	200	200	163	148	174	211	163	117	195
16	218	220	200	230	177	150	148	174	180	170	178	195
17	218	220	200	230	177	150	148	174	180	170	178	195
18	218	220	200	230	177	150	148	160	180	170	178	195
19	218	220	200	230	177	150	148	160	180	170	178	195
20	218	220	200	230	177	150	148	160	180	170	178	195
21	210	220	200	277	177	150	154	154	180	170	178	195
22	210	220	200	277	177	150	154	154	180	170	178	195
23	210	220	200	277	177	150	154	154	180	170	178	195
24	210	220	200	277	177	150	154	154	180	170	178	195
25	210	220	200	277	177	150	154	154	180	170	178	195
26	210	230	176	277	170	144	170	148	170	170	178	195
27	210	230	176	277	170	144	170	148	170	170	178	195
28	210	230	176	277	170	144	170	148	170	170	178	195
29	210	.....	176	277	170	144	170	148	170	170	178	195
30	210	.....	176	277	170	144	170	148	170	170	178	195
31	210	.....	176	.....	170	.....	170	148	.....	170	.....	195
Mean	205	209	220	225	193	155	152	170	193	166	177	189
Max.	218	230	261	277	250	163	170	174	211	170	178	195
Min.	187	198	176	184	170	144	146	148	170	163	117	178
A. F.	12615	11623	13569	13408	11891	9253	9382	10504	11534	10245	10562	11653

Total Acre-feet 136,240

DISCHARGE OF BLUE CREEK AT LEWELLEN—Sec. 30-16-42 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	128	126	123	126	127	70	93	12	87	102	137	115
2	128	126	123	126	127	70	93	12	87	102	137	115
3	128	126	123	126	127	70	93	12	87	102	137	115
4	128	126	123	126	127	70	93	12	87	102	137	115
5	128	126	123	126	127	70	93	12	87	102	137	115
6	128	126	123	126	127	35	93	16	87	102	137	115
7	128	126	123	126	127	35	93	16	87	102	137	115
8	128	126	123	126	127	35	93	16	87	102	137	115
9	128	126	123	126	127	35	93	16	87	102	137	115
10	128	126	123	126	127	35	93	16	87	102	137	115
11	128	126	123	126	127	1	93	21	87	102	137	115
12	128	126	123	126	127	1	93	21	87	102	137	115
13	128	126	123	126	127	1	93	21	87	102	137	115
14	128	126	123	126	127	1	93	21	87	102	137	115
15	128	126	123	126	127	1	93	21	87	102	137	115
16	131	126	121	137	117	1	92	21	87	120	120	116
17	131	126	121	137	117	1	92	21	87	120	120	116
18	131	126	121	137	117	1	92	21	87	120	120	116
19	131	126	121	137	117	1	92	21	87	120	120	116
20	131	126	121	137	117	1	92	21	87	120	120	116
21	131	126	121	137	117	1	106	21	87	120	120	116
22	131	126	121	137	117	1	106	21	87	120	120	116
23	131	126	121	137	117	1	106	21	87	120	120	116
24	131	126	121	137	117	1	106	21	87	120	120	116
25	131	126	121	137	117	1	106	21	87	120	120	116
26	131	126	121	137	97	95	106	50	87	120	115	116
27	131	126	121	137	97	95	106	50	87	120	115	116
28	131	126	121	137	97	95	106	50	87	120	115	116
29	131	.....	121	137	97	95	106	50	87	120	115	116
30	131	.....	121	137	97	95	106	50	87	120	115	116
31	131	.....	121	.....	97	.....	106	50	.....	120	.....	116
Mean	130	126	122	131	118	36	97	24	87	111	127	116
Max.	131	126	123	137	127	95	106	50	87	120	137	116
Min.	128	126	121	126	97	1	92	12	87	102	115	115
A. F.	7966	6998	7500	7825	7254	2201	5992	1497	5177	6843	7597	7103

Total Acre-feet 73,953

DISCHARGE OF BUFFALO CREEK AT JENKINS RANCH—Sec. 20-1-40 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9	10	14	12	15	11	9	10	9	10	12	14
2	9	10	14	12	15	11	9	10	9	10	12	14
3	9	10	14	12	15	11	9	10	9	10	12	14
4	9	10	14	12	15	11	9	10	9	10	12	14
5	9	10	14	12	15	11	9	10	9	10	12	14
6	9	10	14	12	15	11	9	10	9	10	12	14
7	9	10	14	12	15	11	9	10	9	10	12	14
8	9	10	14	12	15	11	9	10	9	10	12	14
9	9	10	14	12	15	11	9	10	9	10	12	14
10	9	10	14	12	15	11	9	10	9	10	12	14
11	9	10	14	12	15	11	7	10	9	10	12	14
12	9	10	14	12	15	11	7	10	9	10	12	14
13	9	10	14	12	15	11	7	10	9	10	12	14
14	9	10	14	12	15	11	7	10	9	10	12	14
15	9	10	14	12	15	11	7	10	9	10	12	14
16	9	12	12	14	15	10	7	8	11	12	12	14
17	9	12	12	14	15	10	7	8	11	12	12	14
18	9	12	12	14	15	10	7	8	11	12	12	14
19	9	12	12	14	15	10	7	8	11	12	12	14
20	9	12	12	14	15	10	7	8	11	12	12	14
21	9	12	12	14	12	10	7	8	11	12	12	14
22	9	12	12	14	12	10	7	8	11	12	12	14
23	9	12	12	14	12	10	7	8	11	12	12	14
24	9	12	12	14	12	10	7	8	11	12	12	14
25	9	12	12	14	12	10	7	8	11	12	12	14
26	9	12	12	14	12	9	7	9	11	12	13	14
27	9	12	12	14	12	9	7	9	11	12	13	14
28	9	12	12	14	12	10	7	8	11	12	12	14
29	9	.....	12	14	12	9	7	9	11	12	13	14
30	9	.....	12	14	12	9	7	9	11	12	13	14
31	9	.....	12	.....	12	.....	7	9	.....	12	.....	14
Mean	9	10	13	13	13	10	8	9	10	11	12	14
Max.	9	12	14	14	15	11	9	10	11	12	13	14
Min.	9	11	12	12	12	9	7	8	9	10	12	14
A. F.	553	607	797	773	853	615	470	563	595	678	724	861

Total Acre-feet 8,089

DISCHARGE OF CAMP CLARK SEEP—Sec. 9-20-51 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	2	2	2	3	2	7	7	7	11	8	4
2	3	2	2	2	3	2	7	7	7	11	8	4
3	3	2	2	2	3	2	7	7	7	11	8	4
4	3	2	2	2	3	2	7	7	7	11	8	4
5	3	2	2	2	3	2	7	7	7	11	8	4
6	3	2	2	2	3	2	7	7	7	11	8	4
7	3	2	2	2	3	2	7	7	7	11	8	4
8	3	2	2	2	3	2	7	7	7	11	8	4
9	3	2	2	2	3	2	7	7	7	11	8	4
10	3	2	2	2	3	2	7	7	7	11	8	4
11	3	2	2	2	3	4	7	7	7	11	6	4
12	3	2	2	2	3	4	7	7	7	11	6	4
13	3	2	2	2	3	4	7	7	7	11	6	4
14	3	2	2	2	3	4	7	7	7	11	6	4
15	3	2	2	2	3	4	7	7	7	11	6	4
16	3	3	2	3	2	4	7	7	10	11	6	8
17	3	3	2	3	2	4	7	7	10	11	6	8
18	3	3	2	3	2	4	7	7	10	11	6	8
19	3	3	2	3	2	4	7	7	10	11	6	8
20	3	3	2	3	2	4	7	7	10	11	6	8
21	3	3	2	3	2	6	7	7	10	11	4	8
22	3	3	2	3	2	6	7	7	10	11	4	8
23	3	3	2	3	2	6	7	7	10	11	4	8
24	3	3	2	3	2	6	7	7	10	11	4	8
25	3	3	2	3	2	6	7	7	10	11	4	8
26	3	3	2	3	2	6	7	7	10	11	4	8
27	3	3	2	3	2	6	7	7	10	11	4	8
28	3	3	2	3	2	6	7	7	10	11	4	8
29	3	—	2	3	2	6	7	7	10	11	4	8
30	3	—	2	3	2	6	7	7	10	11	4	8
31	3	—	2	—	2	—	7	7	—	11	—	8
Mean	3	2	2	2	3	4	7	7	8	11	6	6
Max.	3	3	2	3	3	6	7	7	10	11	8	8
Min.	3	2	2	2	2	2	7	7	7	11	4	4
A. F.	184	137	123	149	153	238	430	430	506	676	357	373

Total Acre-feet 3,756

DISCHARGE OF CEDAR CREEK—Sec. 11-18-48 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
1	13	15	17	19	10	7	6	6	8	19	*	*
2	13	15	17	19	10	7	6	6	8	19	—	—
3	13	15	17	19	10	7	6	6	8	19	—	—
4	13	15	17	19	10	7	6	6	8	19	—	—
5	13	15	17	19	10	7	6	6	8	19	—	—
6	13	15	17	19	10	7	6	6	8	19	—	—
7	13	15	17	19	10	7	6	6	8	19	—	—
8	13	15	17	19	10	7	6	6	8	19	—	—
9	13	15	17	19	10	7	6	6	8	19	—	—
10	13	15	17	19	10	7	6	6	8	19	—	—
11	13	15	17	15	10	4	6	6	12	19	—	—
12	13	15	17	15	10	4	6	6	12	19	—	—
13	13	15	17	15	10	4	6	6	12	19	—	—
14	13	15	17	15	10	4	6	6	12	19	—	—
15	13	15	17	15	10	4	6	6	12	19	—	—
16	15	15	19	15	10	4	6	8	12	19	—	—
17	15	15	19	15	10	4	6	8	12	19	—	—
18	15	15	19	15	10	4	6	8	12	19	—	—
19	15	15	19	15	10	4	6	8	12	19	—	—
20	15	15	19	15	10	4	6	8	12	19	—	—
21	15	15	19	13	10	4	6	8	15	19	—	—
22	15	15	19	13	10	4	6	8	15	19	—	—
23	15	15	19	13	10	4	6	8	15	19	—	—
24	15	15	19	13	10	4	6	8	15	19	—	—
25	15	15	19	13	10	4	6	8	15	19	—	—
26	15	15	19	13	10	4	6	8	15	19	—	—
27	15	15	19	13	10	4	6	8	15	19	—	—
28	15	15	19	13	10	4	6	8	15	19	—	—
29	15	—	19	13	10	4	6	8	15	19	—	—
30	15	—	19	13	10	4	6	8	15	19	—	—
31	15	—	19	—	10	—	6	8	—	19	—	—
Mean	14	15	18	15	10	5	6	7	12	19	—	—
Max.	15	15	19	19	10	7	6	8	15	19	—	—
Min.	13	15	17	13	10	4	6	6	8	19	—	—
A. F.	862	833	1109	932	615	297	369	432	724	1168	—	—

*No Record

DISCHARGE OF CEDAR BRANCH CREEK—Sec. 17-14-35 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Se t.	Oct.	Nov.	Dec.
1	3	4	4	3	3	2	2	2	2	2	2	2
2	3	4	4	3	3	2	2	2	2	2	2	2
3	3	4	4	3	3	2	2	2	2	2	2	2
4	3	4	4	3	3	2	2	2	2	2	2	2
5	3	4	4	3	3	2	2	2	2	2	2	2
6	3	4	4	3	3	2	2	2	2	2	2	2
7	3	4	4	3	3	2	2	2	2	2	2	2
8	3	4	4	3	3	2	2	2	2	2	2	2
9	3	4	4	3	3	2	2	2	2	2	2	2
10	3	4	4	3	3	2	2	2	2	2	2	2
11	3	4	4	3	3	2	2	2	2	2	2	2
12	3	4	4	3	3	2	2	2	2	2	2	2
13	3	4	4	3	3	2	2	2	2	2	2	2
14	3	4	4	3	3	2	2	2	2	2	2	2
15	3	4	4	3	3	2	2	2	2	2	2	2
16	3	4	4	3	3	2	2	2	2	2	1	2
17	3	4	4	3	3	2	2	2	2	2	1	2
18	3	4	4	3	3	2	2	2	2	2	1	2
19	3	4	4	3	3	2	2	2	2	2	1	2
20	3	4	4	3	3	2	2	2	2	2	1	2
21	3	4	4	3	3	2	2	2	2	2	1	2
22	3	4	4	3	3	2	2	2	2	2	1	2
23	3	4	4	3	3	2	2	2	2	2	1	2
24	3	4	4	3	3	2	2	2	2	2	1	2
25	3	4	4	3	3	2	2	2	2	2	1	2
26	3	4	4	3	3	2	2	2	2	2	1	2
27	3	4	4	3	3	2	2	2	2	2	1	2
28	3	4	4	3	3	2	2	2	2	2	1	2
29	3	.....	4	3	3	2	2	2	2	2	1	2
30	3	.....	4	3	3	2	2	2	2	2	1	2
31	3	.....	4	.....	3	.....	2	2	.....	2	.....	2
Mean	3	4	4	3	3	2	2	2	2	2	2	2
Max.	3	4	4	3	3	2	2	2	2	2	2	2
Min.	3	4	4	3	3	2	2	2	2	2	1	2
A. F.	184	222	246	178	184	119	123	123	119	123	89	123

Total Acre-Feet 1,833

DISCHARGE OF CHADRON CREEK NO. 1 ABOVE CITY RESERVOIR

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Se t.	Oct.	Nov.	Dec.
1	8	8	14	14	5	5	*	*	4	3	4	5
2	8	8	14	14	5	5	.....	.....	4	3	4	5
3	8	8	14	14	5	5	.....	.....	4	3	4	5
4	8	8	14	14	5	5	.....	.....	4	3	4	5
5	8	8	14	14	5	5	.....	.....	4	3	4	5
6	8	8	14	14	5	5	.....	.....	4	3	4	5
7	8	8	14	14	5	5	.....	.....	4	3	4	5
8	8	8	14	14	5	5	.....	.....	4	3	4	5
9	8	8	14	14	5	5	.....	.....	4	3	4	5
10	8	10	14	12	5	5	.....	.....	4	3	4	5
11	8	10	14	12	5	5	.....	.....	4	3	4	5
12	8	10	14	12	5	5	.....	.....	4	3	4	5
13	8	10	14	12	5	5	.....	.....	4	3	4	5
14	8	10	14	12	5	5	.....	.....	4	3	4	5
15	8	10	14	12	5	5	.....	.....	4	3	4	5
16	8	10	14	12	6	5	.....	.....	4	3	4	5
17	8	10	14	12	6	5	.....	.....	4	3	4	5
18	8	10	14	12	6	5	.....	.....	4	3	4	5
19	8	10	14	12	6	5	.....	.....	4	3	4	5
20	8	10	14	12	6	5	.....	.....	4	3	4	5
21	8	12	14	8	6	5	.....	.....	4	3	4	5
22	8	12	14	8	6	5	.....	.....	4	3	4	5
23	8	12	14	8	6	5	.....	.....	4	3	4	5
24	8	12	14	8	6	5	.....	.....	4	3	4	5
25	8	12	14	8	6	5	.....	.....	4	3	4	5
26	8	12	14	8	6	5	.....	.....	4	3	4	5
27	8	12	14	8	6	5	.....	.....	4	3	4	5
28	8	12	14	8	6	5	.....	.....	4	3	4	5
29	8	.....	14	8	6	5	.....	.....	4	3	4	5
30	8	.....	14	8	6	5	.....	.....	4	3	4	5
31	8	.....	14	.....	6	.....	.....	.....	.....	3	.....	5
Mean	8	10	14	11	5	5	.....	.....	4	3	4	5
Max.	8	12	14	14	6	5	.....	.....	4	3	4	5
Min.	8	8	14	8	5	5	.....	.....	4	3	4	5
A. F.	492	547	861	674	359	307	.....	.....	238	178	238	307

*No Record

DISCHARGE OF CHADRON CREEK NO. 2 BELOW CITY RESERVOIR

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1	1	2	2	2	1	*	*	*	1	1	0.5
2	1	1	2	2	2	1	.....	.....	.....	1	1	.5
3	1	1	2	2	2	1	.....	.....	.....	1	1	.5
4	1	1	2	2	2	1	.....	.....	.....	1	1	.5
5	1	1	2	2	2	1	.....	.....	.....	1	1	.5
6	1	1	2	2	2	1	.....	.....	.....	1	1	.5
7	1	1	2	2	2	1	.....	.....	.....	1	1	.5
8	1	1	2	2	2	1	.....	.....	.....	1	1	.5
9	1	1	2	2	2	1	.....	.....	.....	1	1	.5
10	1	1	2	2	2	1	.....	.....	.....	1	1	.5
11	1	1	2	2	2	1	.....	.....	.....	1	1	.5
12	1	1	2	2	2	1	.....	.....	.....	1	1	.5
13	1	1	2	2	2	1	.....	.....	.....	1	1	.5
14	1	1	2	2	2	1	.....	.....	.....	1	1	.5
15	1	1	2	2	2	1	.....	.....	.....	1	1	.5
16	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
17	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
18	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
19	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
20	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
21	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
22	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
23	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
24	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
25	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
26	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
27	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
28	1	2	2	2	1	1	.....	.....	.....	1	.5	.5
29	1	.....	2	2	1	1	.....	.....	.....	1	.5	.5
30	1	.....	2	2	1	1	.....	.....	.....	1	.5	.5
31	1	.....	2	.....	1	.....	.....	.....	.....	1	.....	.5
Mean	1	1	2	2	2	1	.....	.....	.....	1	0.5	0.5
Max.	1	2	2	2	2	1	.....	.....	.....	1	1.0	.5
Min.	1	1	2	2	1	1	.....	.....	.....	1	.5	.5
A. F.	61	81	123	119	91	59	.....	.....	.....	61	44	30

*No Record

DISCHARGE OF CHADRON CREEK NO. 3 STATION 36 OF PIPE LINE

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1	1	2	2	3	1	*	*	*	1	1	1
2	1	1	2	2	3	1	.....	.....	.....	1	1	1
3	1	1	2	2	3	1	.....	.....	.....	1	1	1
4	1	1	2	2	3	1	.....	.....	.....	1	1	1
5	1	1	2	2	3	1	.....	.....	.....	1	1	1
6	1	1	2	2	3	1	.....	.....	.....	1	1	1
7	1	1	2	2	3	1	.....	.....	.....	1	1	1
8	1	1	2	2	3	1	.....	.....	.....	1	1	1
9	1	1	2	2	3	1	.....	.....	.....	1	1	1
10	1	1	2	2	3	1	.....	.....	.....	1	1	1
11	1	1	3	2	3	1	.....	.....	.....	1	1	1
12	1	1	3	2	3	1	.....	.....	.....	1	1	1
13	1	1	3	2	3	1	.....	.....	.....	1	1	1
14	1	1	3	2	3	1	.....	.....	.....	1	1	1
15	1	1	3	2	3	1	.....	.....	.....	1	1	1
16	1	2	3	3	2	1	.....	.....	.....	1	1	1
17	1	2	3	3	2	1	.....	.....	.....	1	1	1
18	1	2	3	3	2	1	.....	.....	.....	1	1	1
19	1	2	3	3	2	1	.....	.....	.....	1	1	1
20	1	2	3	3	2	1	.....	.....	.....	1	1	1
21	1	2	3	3	2	1	.....	.....	.....	1	1	1
22	1	2	3	3	2	1	.....	.....	.....	1	1	1
23	1	2	3	3	2	1	.....	.....	.....	1	1	1
24	1	2	3	3	2	1	.....	.....	.....	1	1	1
25	1	2	3	3	2	1	.....	.....	.....	1	1	1
26	1	2	3	3	2	1	.....	.....	.....	1	1	1
27	1	2	3	3	2	1	.....	.....	.....	1	1	1
28	1	2	3	3	2	1	.....	.....	.....	1	1	1
29	1	.....	3	3	2	1	.....	.....	.....	1	1	1
30	1	.....	3	3	2	1	.....	.....	.....	1	1	1
31	1	.....	3	.....	2	.....	.....	.....	.....	1	.....	1
Mean	1	1	3	2	2	1	.....	.....	.....	1	1	1
Max.	1	2	3	3	3	1	.....	.....	.....	1	1	1
Min.	1	1	2	2	2	1	.....	.....	.....	1	1	1
A. F.	61	81	165	149	152	59	.....	.....	.....	61	59	61

*No Record

DISCHARGE OF CHADRON CREEK NO. 4—Sec. 22-33-49 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1	3	10	11	6	*	*	*	1	2	2	2
2	1	3	10	11	6	2	.....	.....	1	2	2	2
3	1	3	10	11	6	2	.....	.....	1	2	2	2
4	1	3	10	11	6	2	.....	.....	1	2	2	2
5	1	3	10	11	6	2	.....	.....	1	2	2	2
6	1	3	10	11	6	2	.....	.....	1	2	2	2
7	1	3	10	11	6	2	.....	.....	1	2	2	2
8	1	3	10	11	6	2	.....	.....	1	2	2	2
9	1	3	10	11	6	2	.....	.....	1	2	2	2
10	1	3	10	11	6	2	.....	.....	1	2	2	2
11	1	5	11	8	6	2	.....	.....	1	2	2	2
12	1	5	11	8	6	2	.....	.....	1	2	2	2
13	1	5	11	8	6	2	.....	.....	1	2	2	2
14	1	5	11	8	6	2	.....	.....	1	2	2	2
15	1	5	11	8	6	2	.....	.....	1	2	2	2
16	1	5	11	8	4	1	.....	.....	1	2	2	2
17	1	5	11	8	4	1	.....	.....	1	2	2	2
18	1	5	11	8	4	1	.....	.....	1	2	2	2
19	1	5	11	8	4	1	.....	.....	1	2	2	2
20	1	5	11	8	4	1	.....	.....	1	2	2	2
21	1	8	11	6	4	1	.....	.....	1	2	2	2
22	1	8	11	6	4	1	.....	.....	1	2	2	2
23	1	8	11	6	4	1	.....	.....	1	2	2	2
24	1	8	11	6	4	1	.....	.....	1	2	2	2
25	1	8	11	6	4	1	.....	.....	1	2	2	2
26	1	8	11	6	4	1	.....	.....	1	2	2	2
27	1	8	11	6	4	1	.....	.....	1	2	2	2
28	1	8	11	6	4	1	.....	.....	1	2	2	2
29	1	.....	11	6	4	1	.....	.....	1	2	2	2
30	1	.....	11	6	4	1	.....	.....	1	2	2	2
31	1	.....	11	.....	4	.....	.....	.....	.....	2	.....	2
Mean	1	5	11	8	5	2	.....	.....	1	2	2	2
Max.	1	8	11	11	6	2	.....	.....	1	2	2	2
Min.	1	3	10	6	4	1	.....	.....	1	2	2	2
A. F.	61	285	656	496	305	89	.....	.....	59	123	119	123

*No Record

DISCHARGE OF CHERRY CREEK—Sec. 22-24-61 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8	8	6	16	4	17	40	75	70	25	15	10
2	8	8	6	16	4	17	40	75	70	25	15	10
3	8	8	6	16	4	17	40	75	70	25	15	10
4	8	8	6	16	4	17	40	75	70	25	15	10
5	8	8	6	16	4	17	40	75	70	25	15	10
6	8	8	6	16	4	17	40	75	60	25	15	10
7	8	8	6	16	4	17	40	75	60	25	15	10
8	8	8	6	16	4	17	40	75	60	25	15	10
9	8	8	6	16	4	17	40	75	65	25	15	10
10	8	8	6	16	4	17	40	75	65	25	15	10
11	8	8	6	12	7	27	52	72	25	25	15	10
12	8	8	6	12	7	27	52	72	25	25	15	10
13	8	8	6	12	7	27	52	75	25	25	15	10
14	8	8	6	12	7	27	52	75	25	25	15	10
15	8	8	6	12	7	27	52	77	25	25	15	10
16	10	8	16	12	7	27	72	80	20	15	12	8
17	10	8	16	12	7	27	72	80	20	15	12	8
18	10	8	16	12	7	27	72	80	20	15	12	8
19	10	8	16	12	7	27	72	80	20	15	12	8
20	10	8	16	12	7	27	72	80	20	15	12	8
21	10	8	16	8	7	35	72	80	23	15	12	8
22	10	8	16	8	7	35	72	80	23	15	12	8
23	10	8	16	8	7	35	72	80	25	15	12	8
24	10	8	16	8	7	35	72	80	25	15	12	8
25	10	8	16	8	7	35	72	80	25	15	12	8
26	10	8	16	8	7	35	72	72	29	15	12	8
27	10	8	16	8	7	35	72	72	30	15	12	8
28	10	8	16	8	7	35	73	72	30	15	12	8
29	10	.....	16	8	7	35	74	70	30	15	12	8
30	10	.....	16	8	7	35	74	70	30	15	12	8
31	10	.....	16	.....	7	.....	74	70	.....	15	.....	8
Mean	9	8	11	12	6	26	58	76	38	20	13	9
Max.	10	8	16	16	7	35	74	80	70	25	15	10
Min.	8	8	6	8	4	17	40	70	20	15	12	8
A. F.	555	444	661	714	371	1567	3608	4655	2291	1220	803	551

Total Acre-feet 17,440

DISCHARGE OF CLEAR CREEK—Sec. 5-15-41 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9	12	10	9	11	13	11	8	5	10	10	9
2	9	12	10	9	11	13	11	8	5	10	10	9
3	9	12	10	9	11	13	11	8	5	10	10	9
4	9	12	10	9	11	13	11	8	5	10	10	9
5	9	12	10	9	11	13	11	8	5	10	10	9
6	9	12	10	9	11	13	11	6	5	10	10	9
7	9	12	10	9	11	13	11	6	5	10	10	9
8	9	12	10	9	11	13	11	6	5	10	10	9
9	9	12	10	9	11	13	11	6	5	10	10	9
10	9	12	10	9	11	13	11	6	5	10	10	9
11	9	12	10	9	11	1	11	8	5	10	10	9
12	9	12	10	9	11	1	11	8	5	10	10	9
13	9	12	10	9	11	1	11	8	5	10	10	9
14	9	12	10	9	11	1	11	8	5	10	10	9
15	9	12	10	9	11	1	11	8	5	10	10	9
16	13	12	17	10	13	1	11	5	7	10	13	6
17	13	12	17	10	13	1	11	5	7	10	13	6
18	13	12	17	10	13	1	11	5	7	10	13	6
19	13	12	17	10	13	1	11	5	7	10	13	6
20	13	12	17	10	13	1	11	5	7	10	13	6
21	13	12	17	10	13	1	23	5	7	10	13	6
22	13	12	17	10	13	1	23	5	7	10	13	6
23	13	12	17	10	13	1	23	5	7	10	13	6
24	13	12	17	10	13	1	23	5	7	10	13	6
25	13	12	17	10	13	1	23	5	7	10	13	6
26	13	12	17	10	13	1	23	5	7	10	13	6
27	13	12	17	10	13	1	23	5	7	10	13	6
28	13	12	17	10	13	1	23	5	7	10	13	6
29	13	.....	17	10	13	1	23	5	7	10	13	6
30	13	.....	17	10	13	1	23	5	7	10	13	6
31	13	.....	17	.....	13	.....	23	5	.....	10	.....	6
Mean	11	12	13	9	12	5	15	6	6	10	11	7
Max.	13	12	17	10	13	13	23	8	7	10	13	9
Min.	9	12	10	9	11	1	11	5	5	10	10	6
A. F.	680	666	837	565	740	297	938	377	357	615	684	428

Total Acre-feet 7,184

DISCHARGE OF COLD WATER CREEK—Sec. 34-18-46 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1	3	4	3	3	4	7	2	2	5	2	4
2	1	3	4	3	3	4	7	2	2	5	2	4
3	1	3	4	3	3	4	7	2	2	5	2	4
4	1	3	4	3	3	4	7	2	2	5	2	4
5	1	3	4	3	3	4	7	2	2	5	2	4
6	1	3	4	3	3	4	7	2	2	5	2	4
7	1	3	4	3	3	4	7	2	2	5	2	4
8	1	3	4	3	3	4	7	2	2	5	2	4
9	1	3	4	3	3	4	7	2	2	5	2	4
10	1	3	4	3	3	4	7	2	2	5	2	4
11	1	3	4	3	3	4	7	2	2	5	2	4
12	1	3	4	3	3	4	7	2	2	5	2	4
13	1	3	4	3	3	4	7	2	2	5	2	4
14	1	3	4	3	3	4	7	2	2	5	2	4
15	1	3	4	3	3	4	7	2	2	5	2	4
16	2	3	4	2	3	6	7	2	2	5	2	4
17	2	3	4	2	3	6	7	2	2	5	2	4
18	2	3	4	2	3	6	7	2	2	5	2	4
19	2	3	4	2	3	6	7	2	2	5	2	4
20	2	3	4	2	3	6	7	2	2	5	2	4
21	2	3	4	2	3	6	7	2	2	5	2	4
22	2	3	4	2	3	6	7	2	2	5	2	4
23	2	3	4	2	3	6	7	2	2	5	2	4
24	2	3	4	2	3	6	7	2	2	5	2	4
25	2	3	4	2	3	6	7	2	2	5	2	4
26	2	3	4	2	3	6	7	2	2	5	2	4
27	2	3	4	2	3	6	7	2	2	5	2	4
28	2	3	4	2	3	6	7	2	2	5	2	4
29	2	.....	4	2	3	6	7	2	2	5	2	4
30	2	.....	4	2	3	6	7	2	2	5	2	4
31	2	.....	4	.....	3	.....	7	2	.....	5	.....	4
Mean	2	3	4	2	3	4	7	2	2	5	2	4
Max.	2	3	4	3	3	6	7	2	2	5	2	4
Min.	1	3	4	2	3	4	7	2	2	5	2	4
A. F.	93	167	246	149	184	268	430	123	119	307	119	246

Total Acre-feet 2,451

DISCHARGE OF FAIRFIELD SEEP—Sec. 18-21-53 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	2	4	5	7	8	12	4	3	2	6	4
2	3	2	4	5	7	8	12	4	3	2	6	4
3	3	2	4	5	7	8	12	4	3	2	6	4
4	3	2	4	5	7	8	12	4	3	2	6	4
5	3	2	4	5	7	8	12	4	3	2	6	4
6	3	2	4	5	7	8	12	4	3	2	6	4
7	3	2	4	5	7	8	12	4	3	2	6	4
8	3	2	4	5	7	8	12	4	3	2	6	4
9	3	2	4	5	7	8	12	4	3	2	6	4
10	3	2	4	5	7	8	12	4	3	2	6	4
11	3	2	4	5	7	8	12	4	3	2	6	6
12	3	2	4	5	7	8	12	4	3	2	6	6
13	3	2	4	5	7	8	12	4	3	2	6	6
14	3	2	4	5	7	8	12	4	3	2	6	6
15	3	2	4	5	7	8	12	4	3	2	6	6
16	3	3	4	5	7	9	6	4	3	2	6	6
17	3	3	4	5	7	9	6	4	3	2	6	6
18	3	3	4	5	7	9	6	4	3	2	6	6
19	3	3	4	5	7	9	6	4	3	2	6	6
20	3	3	4	5	7	9	6	4	3	2	6	6
21	3	3	4	5	7	9	6	4	3	2	4	6
22	3	3	4	5	7	9	6	4	3	2	4	6
23	3	3	4	5	7	9	6	4	3	2	4	6
24	3	3	4	5	7	9	6	4	3	2	4	6
26	3	3	4	5	7	9	6	4	3	2	4	6
27	3	3	4	5	7	9	6	4	3	2	4	6
28	3	3	4	5	7	9	6	4	3	2	4	6
29	3	—	4	5	7	9	6	4	3	2	4	6
30	3	—	4	5	7	9	6	4	3	2	4	6
31	3	—	4	—	7	—	6	4	—	2	—	6
Mean	3	2	4	5	8	9	9	4	3	2	6	5
Max.	3	3	4	5	7	9	12	4	3	2	6	7
Min.	3	2	4	5	7	8	6	4	3	2	4	4
A. F.	184	117	246	297	430	506	547	246	178	123	397	329

Total Acre-feet 3,600

DISCHARGE OF FANNING SEEP—Sec. 28-23-56 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6	12	4	10	9	10	12	10	11	8	8	12
2	6	12	4	10	9	10	12	10	11	8	8	12
3	6	12	4	10	9	10	12	10	11	8	8	12
4	6	12	4	10	9	10	12	10	11	8	8	12
5	6	12	4	10	9	10	12	10	11	8	8	12
6	6	12	4	10	9	10	12	10	11	8	8	12
7	6	12	4	10	9	10	12	10	11	8	8	12
8	6	12	4	10	9	10	12	10	11	8	8	12
9	6	12	4	10	9	10	12	10	11	8	8	12
10	6	12	4	10	9	10	12	10	11	8	8	12
11	6	12	4	10	9	10	12	10	11	8	8	8
12	6	12	4	10	9	10	12	10	11	8	8	8
13	6	12	4	10	9	10	12	10	11	8	8	8
14	6	12	4	10	9	10	12	10	11	8	8	8
15	6	12	4	10	9	10	12	10	11	8	8	8
16	7	12	10	9	10	11	12	12	11	8	8	8
17	7	12	10	9	10	11	12	12	11	8	8	8
18	7	12	10	9	10	11	12	12	11	8	8	8
19	7	12	10	9	10	11	12	12	11	8	8	8
20	7	12	10	9	10	11	12	12	11	8	8	8
21	7	12	10	9	10	11	12	12	11	8	8	6
22	7	12	10	9	10	11	12	12	11	8	8	6
23	7	12	10	9	10	11	12	12	11	8	8	6
24	7	12	10	9	10	11	12	12	11	8	8	6
25	7	12	10	9	10	11	12	12	11	8	8	6
26	7	12	10	9	10	11	12	12	11	8	8	6
27	7	12	10	9	10	11	12	12	11	8	8	6
28	7	12	10	9	10	11	12	12	11	8	8	6
29	7	....	10	9	10	11	12	12	11	8	8	6
30	7	....	10	9	10	11	12	12	11	8	8	6
31	7	—	10	—	10	11	12	12	—	8	—	6
Mean	6	12	7	10	9	10	12	11	11	8	8	7
Max.	7	12	10	9	11	11	12	12	11	8	8	8
Min.	6	12	4	11	9	10	12	10	11	8	8	6
A.F.	401	666	436	565	585	625	738	672	654	492	476	528

Total Acre-feet 6,838

DISCHARGE OF FRENCHMAN RIVER ABOVE MARANVILLE RESERVOIR—
Sec. 10-6-41 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5	4	4	5	5	4	4	3	4	4	3	5
2	5	4	4	5	5	4	4	3	4	4	3	5
3	5	4	4	5	5	4	4	3	4	4	3	5
4	5	4	4	5	5	4	4	3	4	4	3	5
5	5	4	4	5	5	4	4	3	4	4	3	5
6	5	4	4	5	5	4	4	3	4	4	3	5
7	5	4	4	5	5	4	4	3	4	4	3	5
8	5	4	4	5	5	4	4	3	4	4	3	5
9	5	4	4	5	5	4	4	3	4	4	3	5
10	5	4	4	5	5	.4	4	3	4	4	3	5
11	5	4	4	5	5	4	4	3	4	4	3	5
12	5	4	4	5	5	4	4	3	4	4	3	5
13	5	4	4	5	5	4	4	3	4	4	3	5
14	5	4	4	5	5	4	4	3	4	4	3	5
15	5	4	4	5	5	4	4	3	4	4	3	5
16	5	4	4	5	7	4	4	4	4	3	3	5
17	5	4	4	5	7	4	4	4	4	3	3	5
18	5	4	4	5	7	4	4	4	4	3	3	5
19	5	4	4	5	7	4	4	4	4	3	3	5
20	5	4	4	5	7	4	4	4	4	3	3	5
21	5	4	4	5	7	4	4	4	4	3	3	5
22	5	4	4	5	7	4	4	4	4	3	3	5
23	5	4	4	5	7	4	4	4	4	3	3	5
24	5	4	4	5	7	4	4	4	4	3	3	5
25	5	4	4	5	7	4	4	4	4	3	3	5
26	5	4	4	5	7	4	4	4	4	3	3	5
27	5	4	4	5	7	4	4	4	4	3	3	5
28	5	4	4	5	7	4	4	4	4	3	3	5
29	5	---	4	5	7	4	4	4	4	3	3	5
30	5	---	4	5	7	4	4	4	4	3	3	5
31	5	---	4	---	7	---	4	4	---	3	---	5
Mean	5	4	4	5	6	4	4	4	4	3	3	5
Max.	5	4	4	5	7	4	4	4	4	4	3	5
Min.	5	4	4	5	5	4	4	3	4	3	3	5
A. F.	307	222	246	297	371	239	246	216	246	214	178	307

Total Acre-feet 3,089

DISCHARGE OF FRENCHMAN RIVER BELOW MARANVILLE RESERVOIR—
Sec. 11-6-41 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6	7	5	5	6	0.5	0.3	2	4	4	2	3
2	6	7	5	5	6	.5	.3	2	4	4	2	3
3	6	7	5	5	6	.5	.3	2	4	4	2	3
4	6	7	5	5	6	.5	.3	2	4	4	2	3
5	6	7	5	5	6	.5	.3	2	4	4	2	3
6	6	7	5	5	6	.5	.3	2	4	4	2	3
7	6	7	5	5	6	.5	.3	2	4	4	2	3
8	6	7	5	5	6	.5	.3	2	4	4	2	3
9	6	7	5	5	6	.5	.3	2	4	4	2	3
10	6	7	5	5	6	.5	.3	2	4	4	2	3
11	6	7	5	5	6	.5	.3	2	4	4	2	3
12	6	7	5	5	6	.5	.3	2	4	4	2	3
13	6	7	5	5	6	.5	.3	2	4	4	2	3
14	6	7	5	5	6	.5	.3	2	4	4	2	3
15	6	7	5	5	6	.5	.3	2	4	4	2	3
16	6	8	5	6	6	.5	.3	2	4	2	2	3
17	6	8	5	6	6	.5	.3	2	4	2	2	3
18	6	8	5	6	6	.5	.3	2	4	2	2	3
19	6	8	5	6	6	.5	.3	2	4	2	2	3
20	6	8	5	6	6	.5	.3	2	4	2	2	3
21	6	8	5	6	6	.5	.3	3	4	2	5	3
22	6	8	5	6	6	.5	.3	3	4	2	5	3
23	6	8	5	6	6	.5	.3	3	4	2	5	3
24	6	8	5	6	6	.5	.3	3	4	2	5	3
25	6	8	5	6	6	.5	.3	3	4	2	5	3
26	6	8	5	6	6	.5	.3	3	4	2	5	3
27	6	8	5	6	6	.5	.3	3	4	2	5	3
28	6	8	5	6	6	.5	.3	3	4	2	5	3
29	6	---	5	6	6	.5	.3	3	4	2	5	3
30	6	---	5	6	6	.5	.3	3	4	2	5	3
31	6	---	5	---	6	---	.3	3	---	2	---	3
Mean	6	7	5	5	6	0.5	0.3	2	4	3	3	3
Max.	6	8	5	6	6	.5	.3	3	4	4	5	3
Min.	6	7	5	5	6	.5	.3	2	4	2	2	3
A.F.	369	414	307	327	369	30	18	145	238	182	178	184

Total Acre-feet 2,761

DISCHARGE OF FRENCHMAN RIVER BELOW INMAN CANAL—Sec. 17-6-40 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14	22	20	29	19	5	6	9	4	5	6	9
2	14	22	20	29	19	5	6	9	4	5	6	9
3	14	22	20	29	19	5	6	9	4	5	6	9
4	14	22	20	29	19	5	6	9	4	5	6	9
5	14	22	20	29	19	5	6	9	4	5	6	9
6	14	22	20	29	19	5	6	9	4	5	6	9
7	14	22	20	29	19	5	6	9	4	5	6	9
8	14	22	20	29	19	5	6	9	4	5	6	9
9	14	22	20	29	19	5	6	9	4	5	6	9
10	14	22	20	29	19	5	6	9	4	5	6	9
11	14	22	20	29	19	5	6	9	4	5	6	9
12	14	22	20	29	19	5	6	9	4	5	6	9
13	14	22	20	29	19	5	6	9	4	5	6	9
14	14	22	20	29	19	5	6	9	4	5	6	9
15	14	22	20	29	19	5	6	9	4	5	6	9
16	14	22	20	20	10	5	6	4	4	5	6	9
17	14	22	20	20	10	5	6	4	4	5	6	9
18	14	22	20	20	10	5	6	4	4	5	6	9
19	14	22	20	20	10	5	6	4	4	5	6	9
20	14	22	20	20	10	5	6	4	4	5	6	9
21	14	22	29	20	10	5	6	4	4	5	11	9
22	14	22	29	20	10	5	6	4	4	5	11	9
23	14	22	29	20	10	5	6	4	4	5	11	9
24	14	22	29	20	10	5	6	4	4	5	11	9
25	14	22	29	20	10	5	6	4	4	5	11	9
26	14	22	29	20	2	5	6	4	4	5	11	9
27	14	22	29	20	2	5	6	4	4	5	11	9
28	14	22	29	20	2	5	6	4	4	5	11	9
29	14	—	29	20	2	5	6	4	4	5	11	9
30	14	—	29	20	2	5	6	4	4	5	11	9
31	14	—	29	—	2	—	6	4	—	5	—	9
Mean	14	22	23	24	13	5	6	6	4	5	7	9
Max.	14	22	29	29	19	5	6	9	4	5	11	9
Min.	14	22	20	20	2	5	6	4	4	5	6	9
A.F.	861	1222	1426	1458	787	297	369	395	238	307	456	553

Total Acre-feet 8,369

DISCHARGE OF FRENCHMAN RIVER ABOVE CHAMPION RESERVOIR—
Sec. 22-6-40 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26	27	27	33	26	15	13	15	12	12	26	25
2	26	27	27	33	26	15	13	15	12	12	26	25
3	26	27	27	33	26	15	13	15	12	12	26	25
4	26	27	27	33	26	15	13	15	12	12	26	25
5	26	27	27	33	26	15	13	15	12	12	26	25
6	26	27	27	33	26	15	13	15	12	12	26	25
7	26	27	27	33	26	15	13	15	12	12	26	25
8	26	27	27	33	26	15	13	15	12	12	26	25
9	26	27	27	33	26	15	13	15	12	12	26	25
10	26	27	27	33	26	15	13	15	12	12	26	25
11	26	27	27	33	26	15	13	15	12	12	26	17
12	26	27	27	33	26	15	13	15	12	12	26	17
13	26	27	27	33	26	15	13	15	12	12	26	17
14	26	27	27	33	26	15	13	15	12	12	26	17
15	26	27	27	33	26	15	13	15	12	12	26	17
16	26	27	33	25	16	10	13	11	12	16	26	17
17	26	27	33	25	16	10	13	11	12	16	26	17
18	26	27	33	25	16	10	13	11	12	16	26	17
19	26	27	33	25	16	10	13	11	12	16	26	17
20	26	27	33	25	16	10	13	11	12	16	26	17
21	26	27	33	25	16	10	13	11	12	16	30	17
22	26	27	33	25	16	10	13	11	12	16	30	17
23	26	27	33	25	16	10	13	11	12	16	30	17
24	26	27	33	25	16	10	13	11	12	16	30	17
25	26	27	33	25	16	10	13	11	12	16	30	17
26	26	27	33	25	16	10	13	11	12	16	30	17
27	26	27	33	25	16	10	13	11	12	16	30	17
28	26	27	33	25	16	10	13	11	12	16	30	17
29	26	—	33	25	16	10	13	11	12	16	30	17
30	26	—	33	25	16	10	13	11	12	16	30	17
31	26	—	33	—	16	—	13	11	—	16	—	17
Mean	26	27	30	29	20	12	13	13	12	14	17	19
Max.	26	27	33	33	26	15	13	15	12	16	30	25
Min.	26	27	27	25	16	10	13	11	12	12	26	17
A.F.	1618	1499	1851	1725	1249	744	799	795	714	865	1031	1204

Total Acre-feet 14,094

DISCHARGE OF FRENCHMAN RIVER BELOW CHAMPION RESERVOIR

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28	28	32	7	19	7	1	17	11	18	17	26
2	28	28	32	7	19	7	1	17	11	18	17	26
3	28	28	32	7	19	7	1	17	11	18	17	26
4	28	28	32	7	19	7	1	17	11	18	17	26
5	28	28	32	7	19	7	1	17	11	18	17	26
6	28	28	32	7	19	7	1	17	11	18	17	26
7	28	28	32	7	19	7	1	17	11	18	17	26
8	28	28	32	7	19	7	1	17	11	18	17	26
9	28	28	32	7	19	7	1	17	11	18	17	26
10	28	28	32	7	19	7	1	17	11	18	17	26
11	28	31	32	14	19	1	1	17	11	18	17	26
12	28	31	32	14	19	1	1	17	11	18	17	26
13	28	31	32	14	19	1	1	17	11	18	17	26
14	28	31	32	14	19	1	1	17	11	18	17	26
15	28	31	32	14	19	1	1	17	11	18	17	26
16	28	31	32	14	19	1	9	6	18	17	15	26
17	28	31	32	14	19	1	9	6	18	17	15	26
18	28	31	32	14	19	1	9	6	18	17	15	26
19	28	31	32	14	19	1	9	6	18	17	15	26
20	28	31	32	14	19	1	9	6	18	17	15	26
21	28	31	7	19	19	1	9	6	18	17	15	26
22	28	31	7	19	19	1	9	6	18	17	15	26
23	28	31	7	19	19	1	9	6	18	17	15	26
24	28	31	7	19	19	1	9	6	18	17	15	26
25	28	31	7	19	19	1	9	6	18	17	15	26
26	28	31	7	19	7	1	9	11	18	17	15	26
27	28	31	7	19	7	1	9	11	18	17	15	26
28	28	31	7	19	7	1	9	11	18	17	15	26
29	28	....	7	19	7	1	9	11	18	17	15	26
30	28	....	7	19	7	1	9	11	18	17	15	26
31	28	....	7	....	7	....	9	11	....	17	....	26
Mean	28	30	23	13	16	3	5	12	14	17	16	26
Max.	28	31	32	19	19	7	9	17	18	18	17	26
Min.	28	28	7	7	7	1	1	6	11	17	15	26
A. F.	1722	1662	1408	793	1011	178	297	756	863	1075	952	1599

Total Acre-feet 12,316

DISCHARGE OF FRENCHMAN RIVER NEAR CHAMPION—Sec. 21-6-39 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33	54	52	32	33	41	30	36	36	39	25	25
2	33	54	52	32	33	41	30	36	36	39	25	25
3	33	54	52	32	33	41	30	36	36	39	25	25
4	33	54	52	32	33	41	30	36	36	39	25	25
5	33	54	52	32	33	41	30	36	36	39	25	26
6	33	54	52	32	33	41	30	36	36	39	25	26
7	33	54	52	32	33	41	30	36	36	39	25	26
8	33	54	52	32	33	41	30	36	36	39	25	26
9	33	54	52	32	33	41	30	36	36	39	25	26
10	33	54	52	32	33	41	30	36	36	39	25	26
11	33	54	52	32	33	41	18	36	36	30	25	26
12	33	54	52	32	33	41	18	36	36	30	25	26
13	33	54	52	32	33	41	18	36	36	30	25	26
14	33	54	52	32	33	41	18	36	36	30	25	26
15	33	54	52	32	33	41	18	36	36	30	25	26
16	33	54	32	32	21	41	18	36	39	30	25	35
17	33	54	32	32	21	41	18	36	39	30	25	35
18	33	54	32	32	21	41	18	36	39	30	25	35
19	33	54	32	32	21	41	18	36	39	30	25	35
20	33	54	32	32	21	41	18	36	39	30	25	35
21	33	54	32	32	21	41	25	36	39	25	24	35
22	33	54	32	32	21	41	25	36	39	25	24	35
23	33	54	32	32	21	41	25	36	39	25	24	35
24	33	54	32	32	21	41	25	36	39	25	24	35
25	33	54	32	32	21	41	25	36	39	25	24	35
26	33	54	32	32	21	41	25	36	39	25	24	35
27	33	54	32	32	21	41	25	36	39	25	24	35
28	33	54	32	32	21	41	25	36	39	25	24	35
29	33	....	32	32	21	41	25	36	39	25	24	35
30	33	....	32	32	21	41	25	36	39	25	24	35
31	33	....	32	....	21	....	25	36	....	25	....	35
Mean	33	54	42	32	26	41	24	36	37	31	25	30
Max.	33	54	52	32	33	41	30	36	39	39	25	35
Min.	33	54	32	32	21	41	18	36	36	25	24	25
A. F.	2029	2800	2563	1904	1648	2440	1497	2213	2231	1914	1468	1854

Total Acre-feet 24,561

DISCHARGE OF FRENCHMAN RIVER SOUTH OF IMPERIAL—Sec. 30-6-38 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	67	67	56	54	63	17	50	65	61	61	51	41
2	67	67	56	54	63	17	50	65	61	61	51	41
3	67	67	56	54	63	17	50	65	61	61	51	41
4	67	67	56	54	63	17	50	65	61	61	51	41
5	67	67	56	54	63	17	50	65	61	61	51	41
6	67	67	56	54	63	17	50	65	61	61	51	41
7	67	67	56	54	63	17	50	65	61	61	51	41
8	67	67	56	54	63	17	50	65	61	61	51	41
9	67	67	56	54	63	17	50	65	61	61	51	41
10	67	67	56	54	63	17	50	65	61	61	51	41
11	67	67	56	54	63	17	50	65	61	61	51	41
12	67	67	56	54	63	17	50	65	61	61	51	41
13	67	67	56	54	63	17	50	65	61	61	51	41
14	67	67	56	54	63	17	50	65	61	61	51	41
15	67	67	56	54	63	17	50	65	61	61	51	41
16	67	52	54	58	49	30	50	65	61	50	51	41
17	67	52	54	58	49	30	50	65	61	50	51	41
18	67	52	54	58	49	30	50	65	61	50	51	41
19	67	52	54	58	49	30	50	65	61	50	51	41
20	67	52	54	58	49	30	50	65	61	50	51	41
21	67	52	54	58	49	30	50	65	61	50	51	41
22	67	52	54	58	49	30	50	65	61	50	51	41
23	67	52	54	58	49	30	50	65	61	50	51	41
24	67	52	54	58	49	30	50	65	61	50	51	41
25	67	52	54	58	49	30	50	65	61	50	51	41
26	67	52	54	58	49	30	50	65	61	50	51	41
27	67	52	54	58	49	30	50	65	61	50	51	41
28	67	52	54	58	49	30	50	65	61	50	51	41
29	67	.....	54	58	49	30	50	65	61	50	51	41
30	67	.....	54	58	49	30	50	65	61	50	51	41
31	67	.....	54	.....	49	.....	50	65	.....	50	.....	41
Mean	67	60	55	56	56	23	50	65	61	55	51	41
Max.	67	67	56	58	63	30	50	65	61	61	51	41
Min.	67	52	54	54	49	17	50	65	61	50	51	41
A. F.	4120	3334	3380	3332	3429	1398	3074	3997	3630	3402	3035	2521

Total Acre-feet 38,652

DISCHARGE OF FRENCHMAN RIVER NEAR WAUNETA—Sec. 11-6-36 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	148	106	124	110	105	112	100	82	100	126	100	105
2	148	106	124	110	105	112	100	82	100	126	100	105
3	148	106	124	110	105	112	100	82	100	126	100	105
4	148	106	124	110	105	112	100	82	100	126	100	105
5	148	106	124	110	105	112	100	82	100	126	100	105
6	148	106	124	110	105	112	100	82	100	126	100	105
7	148	106	124	110	105	112	100	82	100	126	100	105
8	148	106	124	110	105	112	100	82	100	126	100	105
9	148	106	124	110	105	112	100	82	100	126	100	105
10	148	106	124	110	105	112	100	82	100	126	100	105
11	148	106	124	110	105	112	80	82	100	126	100	105
12	148	106	124	110	105	112	80	82	100	126	100	105
13	148	106	124	110	105	112	80	82	100	126	100	105
14	148	105	124	110	105	112	80	82	100	126	100	105
15	148	106	124	110	105	112	80	82	100	126	100	105
16	148	106	113	100	98	117	80	81	126	100	100	105
17	148	106	113	100	98	117	80	81	126	100	100	105
18	148	106	113	100	98	117	80	81	126	100	100	105
19	148	106	113	100	98	117	80	81	126	100	100	105
20	148	106	113	100	98	117	80	81	126	100	100	105
21	148	106	113	100	98	117	80	81	126	100	90	105
22	148	106	113	100	98	117	80	81	126	100	90	105
23	148	106	113	100	98	117	80	81	126	100	90	105
24	148	106	113	100	98	117	80	81	126	100	90	105
25	148	106	113	100	98	117	80	81	126	100	90	105
26	148	106	113	100	98	117	80	81	126	100	90	105
27	148	106	113	100	98	117	80	81	126	100	90	105
28	148	106	113	100	98	117	80	81	126	100	90	105
29	148	.....	113	100	98	117	80	81	126	100	90	105
30	148	.....	113	100	98	117	80	81	126	100	90	105
31	148	.....	113	.....	98	.....	80	81	.....	100	.....	105
Mean	148	106	118	105	101	114	86	82	113	113	93	105
Max.	148	106	124	110	105	117	100	82	126	126	100	105
Min.	148	106	113	100	98	112	80	81	100	100	90	105
A. F.	9100	5887	7275	6248	6234	6813	5316	5010	6724	6922	5752	6456

Total Acre-feet 77,737

DISCHARGE OF FRENCHMAN RIVER NORTH OF PALISADE

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	131	131	133	130	145	96	15	2	10	41	100	147
2	131	131	133	130	145	96	15	2	10	41	100	147
3	131	131	133	130	145	96	15	2	10	41	100	147
4	131	131	133	130	145	96	15	2	10	41	100	147
5	131	131	133	130	145	96	15	2	10	41	100	147
6	131	131	133	130	145	96	15	2	10	41	100	147
7	131	131	133	130	145	96	15	2	10	41	100	147
8	131	131	133	130	145	96	15	2	10	41	100	147
9	131	131	133	130	145	96	15	2	10	41	100	147
10	131	131	133	130	145	96	15	2	10	41	100	147
11	131	206	133	130	163	96	7	2	20	60	125	191
12	131	206	133	130	163	96	7	2	20	60	125	191
13	131	206	133	130	163	96	7	2	20	60	125	191
14	131	206	133	130	163	96	7	2	20	60	125	191
15	131	206	133	130	163	96	7	2	20	60	125	191
16	131	206	133	145	163	70	7	3	20	60	151	191
17	131	206	133	145	163	70	7	3	20	60	151	191
18	131	206	133	145	163	70	7	3	20	60	151	191
19	131	206	133	145	163	70	7	3	20	60	151	191
20	131	206	133	145	163	70	7	3	20	60	151	191
21	131	150	226	145	120	70	5	3	41	80	151	112
22	131	150	226	145	120	70	5	3	41	80	151	112
23	131	150	226	145	120	70	5	3	41	80	151	112
24	131	150	226	145	120	70	5	3	41	80	151	112
25	131	150	226	145	120	70	5	3	41	80	151	112
26	131	150	130	145	120	70	5	3	41	80	147	112
27	131	150	130	145	120	70	5	3	41	80	147	112
28	131	150	130	145	120	70	5	3	41	80	147	112
29	131	.....	130	145	120	70	5	3	41	80	147	112
30	131	.....	130	145	120	70	5	3	41	80	147	112
31	131	.....	130	.....	120	.....	5	3	.....	80	.....	112
Mean	131	163	147	137	142	77	9	2	23	61	129	149
Max.	131	206	226	145	163	96	15	3	41	80	151	191
Min.	131	131	130	130	120	20	5	2	10	41	100	112
A. F.	8055	9064	9064	8182	8727	4443	545	155	1408	3749	7676	9148

Total Acre-feet 70,216

DISCHARGE OF FRENCHMAN RIVER NEAR CULBERTSON—Sec. 16-3-31 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	135	135	204	190	186	165	45	13	25	53	120	165
2	135	135	204	190	186	165	45	13	25	53	120	165
3	135	135	204	190	186	165	45	13	25	53	120	165
4	135	135	204	190	186	165	45	13	25	53	120	165
5	135	135	204	190	186	165	45	13	25	53	120	165
6	135	135	204	190	186	165	45	13	25	53	120	165
7	135	135	204	190	186	165	45	13	25	53	120	165
8	135	135	204	190	186	165	45	13	25	53	120	165
9	135	135	204	190	186	200	45	13	25	53	120	165
10	135	135	204	190	186	457	45	13	25	53	120	165
11	135	135	204	190	186	350	61	21	25	70	150	165
12	135	135	204	190	186	200	61	21	25	70	150	165
13	135	135	204	190	186	150	61	21	25	70	150	165
14	135	135	204	190	186	150	61	21	25	70	150	165
15	135	135	204	190	186	100	61	21	25	70	150	165
16	135	203	191	185	165	70	61	21	53	70	150	174
17	135	203	191	185	165	70	61	21	53	70	234	174
18	135	203	191	185	165	70	61	21	53	70	175	174
19	135	203	191	185	165	70	61	0	53	70	175	174
20	135	203	191	185	165	70	61	0	53	70	175	174
21	135	203	191	185	165	70	25	0	53	90	166	174
22	135	203	191	185	165	70	25	0	53	90	166	174
23	135	203	191	185	165	70	25	0	53	90	166	174
24	135	203	191	185	165	70	25	0	53	90	166	174
25	135	203	191	185	165	70	25	0	53	90	166	174
26	135	203	191	185	165	46	25	22	53	90	166	174
27	135	203	191	185	165	46	25	22	53	90	166	174
28	135	203	191	185	165	46	25	22	53	90	166	174
29	135	.....	191	185	165	46	25	22	53	90	166	174
30	135	.....	191	185	165	46	25	22	53	90	166	174
31	135	.....	191	.....	165	.....	25	22	.....	90	.....	174
Mean	135	166	197	187	175	128	43	14	39	72	149	170
Max.	135	203	204	190	186	457	61	22	53	90	234	174
Min.	135	135	191	185	165	46	25	0	25	53	120	165
A. F.	8301	9251	12131	11157	10770	7650	2648	853	2321	4403	8914	10431

Total Acre-feet 88,830

DISCHARGE OF GERING DRAIN—Sec. 6-21-54 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25	22	18	19	20	44	32	32	34	36	37	48
2	25	22	18	19	20	44	32	32	34	36	37	48
3	25	22	18	19	20	44	32	32	34	36	37	48
4	25	22	18	19	20	44	32	32	34	36	37	48
5	25	22	18	19	20	44	32	32	34	36	37	48
6	25	22	18	19	20	44	32	32	34	36	37	48
7	25	22	18	19	20	44	32	32	34	36	37	48
8	25	22	18	19	20	44	32	32	34	36	37	48
9	25	22	18	19	20	44	32	32	34	36	37	48
10	25	22	18	19	20	44	32	32	34	36	37	48
11	25	22	18	19	20	44	32	32	34	36	37	48
12	25	22	18	19	20	44	32	32	34	36	37	48
13	25	22	18	19	20	44	32	32	34	36	37	48
14	25	22	18	19	20	44	32	32	34	36	37	48
15	25	22	18	19	20	44	32	32	34	36	37	48
16	25	17	18	19	53	40	36	32	34	37	37	38
17	25	17	18	19	53	40	36	32	34	37	37	38
18	25	17	18	19	53	40	36	32	34	37	37	38
19	25	17	18	19	53	40	36	32	34	37	37	38
20	25	17	18	19	53	40	36	32	34	37	37	38
21	25	17	18	19	53	40	36	32	34	37	30	38
22	25	17	18	19	53	40	36	32	34	37	30	38
23	25	17	18	19	53	40	36	32	34	37	30	38
24	25	17	18	19	53	40	36	32	34	37	30	38
25	25	17	18	19	53	40	36	32	34	37	30	38
26	25	17	18	19	53	40	36	32	34	37	30	38
27	25	17	18	19	53	40	36	32	34	37	30	38
28	25	17	18	19	53	40	36	32	34	37	30	38
29	25	....	18	19	53	40	36	32	34	37	30	38
30	25	....	18	19	53	40	36	32	34	37	30	38
31	25	....	18	—	53	—	36	32	....	37	....	38
Mean	25	20	18	19	37	42	34	32	34	37	34	43
Max.	25	22	18	19	53	44	36	32	34	37	37	48
Min.	25	17	18	19	20	40	32	32	34	36	30	38
A.F.	1537	1142	1107	1130	2277	2499	2094	1967	2023	2172	2063	2634

Total Acre-feet 22,647

DISCHARGE OF GOTHENBURG POWER WASTE NEAR WEST 16th STREET, GOTHENBURG

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	170	243	209	207	225	182	183	199	190	208	141	95
2	170	243	209	207	225	182	183	199	190	208	141	95
3	170	243	209	207	225	182	183	220	190	208	141	95
4	170	243	209	207	225	182	183	240	190	208	141	95
5	170	243	209	207	225	182	183	253	190	208	141	95
6	170	243	209	207	225	182	183	253	190	208	141	95
7	170	243	209	207	225	182	183	253	190	208	141	95
8	170	243	209	207	225	182	183	253	190	208	141	95
9	170	243	209	207	225	182	183	253	190	208	141	95
10	170	243	209	207	225	182	183	253	190	208	141	95
11	170	243	209	207	156	182	171	192	190	208	141	0
12	170	243	209	207	156	182	171	192	190	208	141	0
13	170	243	209	207	156	182	171	192	190	208	141	0
14	170	243	209	207	156	182	171	192	190	208	141	0
15	170	243	209	207	156	182	171	192	190	208	141	0
16	252	157	200	225	156	183	171	192	190	211	141	100
17	252	157	200	225	156	183	171	192	190	211	141	100
18	252	157	200	225	156	183	171	192	190	211	141	100
19	252	157	200	225	156	183	171	192	190	211	141	100
20	252	157	200	225	156	183	171	192	190	211	141	100
21	252	157	200	225	156	183	205	192	190	211	95	100
22	252	157	200	225	156	183	205	192	190	211	95	100
23	252	157	200	225	156	183	205	192	190	211	95	100
24	252	157	200	225	156	183	205	192	190	211	95	100
25	252	157	200	225	156	183	205	192	190	211	95	100
26	252	157	200	225	156	183	209	150	190	211	95	100
27	252	157	200	225	156	183	209	150	190	211	95	100
28	252	157	200	225	156	183	209	150	190	211	95	100
29	252	.....	200	225	156	183	209	150	190	211	95	100
30	252	.....	200	225	156	183	209	150	190	211	95	100
31	252	.....	200	.....	156	.....	209	150	.....	211	....	100
Mean	212	203	204	216	176	182	188	167	190	209	125	82
Max.	252	243	209	225	225	183	209	253	190	211	141	100
Min.	170	157	200	207	156	182	171	150	190	208	95	0
A.F.	13055	11278	12565	12853	10961	10860	11542	10306	11306	12885	7478	5058

Total Acre-feet 130,147

DISCHARGE OF GRAVEL CREEK—Sec. 9-14-36 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	2	3	2	3	3	2	2	2	2	3	3
2	3	2	3	2	3	3	2	2	2	2	3	3
3	3	2	3	2	3	3	2	2	2	2	3	3
4	3	2	3	2	3	3	2	2	2	2	3	3
5	3	2	3	2	3	3	2	2	2	2	3	3
6	3	2	3	2	3	3	2	2	2	2	3	3
7	3	2	3	2	3	3	2	2	2	2	3	3
8	3	2	3	2	3	3	2	2	2	2	3	3
9	3	2	3	2	3	3	2	2	2	2	3	3
10	3	2	3	2	3	3	2	2	2	2	3	3
11	3	2	3	2	3	3	2	2	2	2	3	3
12	3	2	3	2	3	3	2	2	2	2	3	3
13	3	2	3	2	3	3	2	2	2	2	3	3
14	3	2	3	2	3	3	2	2	2	2	3	3
15	3	2	3	2	3	3	2	2	2	2	3	3
16	2	2	3	3	3	0	2	2	2	2	3	3
17	2	2	3	3	3	0	2	2	2	2	3	3
18	2	2	3	3	3	0	2	2	2	2	3	3
19	2	2	3	3	3	0	2	2	2	2	3	3
20	2	2	3	3	3	0	2	2	2	2	3	3
21	2	2	3	3	3	0	2	2	2	2	3	3
22	2	2	3	3	3	0	2	2	2	2	3	3
23	2	2	3	3	3	0	2	2	2	2	3	3
24	2	2	3	3	3	0	2	2	2	2	3	3
25	2	2	3	3	3	0	2	2	2	2	3	3
26	2	2	3	3	3	0	2	2	2	2	3	3
27	2	2	3	3	3	0	2	2	2	2	3	3
28	2	2	3	3	3	0	2	2	2	2	3	3
29	2	....	3	3	3	0	2	2	2	2	3	3
30	2	....	3	3	3	0	2	2	2	2	3	3
31	2	....	3	....	3	....	2	2	....	2	....	3
Mean	2	2	3	2	3	2	2	2	2	2	3	3
Max.	3	2	3	3	3	3	2	2	2	2	3	3
Min.	2	2	3	2	3	0	2	2	2	2	3	3
A. F.	153	111	184	149	184	89	123	123	119	123	178	184

Total Acre-feet 1,722

DISCHARGE OF HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
1	36	28	34	100	222	363	150	110	104	105	90	110
2	36	28	34	100	222	363	150	110	104	105	90	110
3	36	28	34	100	222	363	150	110	104	105	90	110
4	36	28	34	100	222	363	150	110	104	105	90	110
5	36	28	34	100	222	363	150	110	104	105	90	110
6	36	28	34	100	222	363	150	110	104	105	90	100
7	36	28	34	100	222	363	150	110	104	105	90	110
8	36	28	34	100	222	363	150	110	104	105	90	110
9	36	28	34	100	222	363	150	110	104	105	90	110
10	36	28	34	100	222	363	150	110	104	105	90	110
11	36	28	34	100	222	431	119	103	104	105	75	110
12	36	28	34	100	222	431	119	103	104	105	75	110
13	36	28	34	100	222	431	119	103	104	105	75	110
14	36	28	34	100	222	431	119	103	104	105	75	110
15	36	28	34	100	222	431	119	103	104	105	75	110
16	34	28	88	150	363	350	119	103	104	105	75	90
17	34	28	88	150	363	350	119	103	104	105	75	90
18	34	28	88	150	363	350	119	103	104	105	75	90
19	34	28	88	150	363	350	119	103	104	105	75	90
20	34	28	88	150	363	350	119	103	104	105	75	90
21	34	28	88	150	363	300	111	103	104	105	100	90
22	34	28	88	150	363	300	111	103	104	105	100	90
23	34	28	88	150	363	300	111	103	104	105	100	90
24	34	28	88	150	363	300	111	103	104	105	100	90
25	34	28	88	150	363	300	111	103	104	105	100	90
26	34	28	88	150	363	200	111	103	104	105	100	90
27	34	28	88	150	363	200	111	103	104	105	100	90
28	34	28	88	150	363	200	111	103	104	105	100	90
29	34	....	88	150	363	200	111	103	104	105	100	90
30	34	....	88	150	363	200	111	103	104	105	100	90
31	34	....	88	.....	363	.....	111	103	.....	105	.....	90
Mean	35	28	58	125	294	334	126	105	104	105	88	100
Max.	36	28	88	150	363	431	150	110	104	105	100	110
Min.	34	28	34	100	222	200	111	103	104	105	75	90
A. F.	2150	1555	3804	7438	18125	19904	7757	6472	6188	6456	5256	6129

Total Acre-feet 91,234

DISCHARGE OF HORSE CREEK—Sec. 23-1-39 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2	2	2	2	2	2	4	2	2	2	2	1
2	2	2	2	2	2	2	4	2	2	2	2	1
3	2	2	2	2	2	2	4	2	2	2	2	1
4	2	2	2	2	2	2	4	2	2	2	2	1
5	2	2	2	2	2	2	4	2	2	2	2	1
6	2	2	2	2	2	2	4	2	2	2	2	1
7	2	2	2	2	2	2	4	2	2	2	2	1
8	2	2	2	2	2	2	4	2	2	2	2	1
9	2	2	2	2	2	2	4	2	2	2	2	1
10	2	2	2	2	2	2	4	2	2	2	2	1
11	2	2	2	2	2	2	4	2	2	2	2	1
12	2	2	2	2	2	2	4	2	2	2	2	1
13	2	2	2	2	2	2	4	2	2	2	2	1
14	2	2	2	2	2	2	4	2	2	2	2	1
15	2	2	2	2	2	2	4	2	2	2	2	1
16	2	2	2	2	0	1	2	1	2	2	2	1
17	2	2	2	2	0	1	2	1	2	2	2	1
18	2	2	2	2	0	1	2	1	2	2	2	1
19	2	2	2	2	0	1	2	1	2	2	2	1
20	2	2	2	2	0	1	2	1	2	2	2	1
21	2	2	2	2	0	1	2	1	2	2	2	1
22	2	2	2	2	0	1	2	1	2	2	2	1
23	2	2	2	2	0	1	2	1	2	2	2	1
24	2	2	2	2	0	1	2	1	2	2	2	1
25	2	2	2	2	0	1	2	1	2	2	2	1
26	2	2	2	2	0	1	2	1	2	2	1	1
27	2	2	2	2	0	1	2	1	2	2	1	1
28	2	2	2	2	0	1	2	2	2	2	1	1
29	2	....	2	2	0	1	2	2	2	2	1	1
30	2	....	2	2	0	1	2	2	2	2	1	1
31	2	....	2	....	0	....	2	2	....	2	....	1
Mean	2	2	2	2	1	2	3	2	2	2	2	1
Max.	2	2	2	2	2	2	4	2	2	2	2	1
Min.	2	2	2	2	0	1	2	1	2	2	1	1
A. F.	123	111	123	119	59	89	182	91	119	123	111	60

Total Acre-feet 1,310

DISCHARGE OF INDIAN CREEK NEAR NORTHPORT WYE—Sec. 19-20-50 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10	5	10	6	3	11	15	25	27	25	25	8
2	10	5	10	6	3	11	15	25	27	25	25	8
3	10	5	10	6	3	11	15	25	27	25	25	8
4	10	5	10	6	3	11	15	25	27	25	25	8
5	10	5	10	6	3	11	15	25	27	25	25	8
6	10	5	10	6	3	11	15	39	27	25	25	8
7	10	5	10	6	3	11	15	39	27	25	25	8
8	10	5	10	6	3	11	15	39	27	25	25	8
9	10	5	10	6	3	11	15	39	27	25	25	8
10	10	5	10	6	3	11	15	39	27	25	25	8
11	10	5	10	6	3	11	15	39	27	25	15	10
12	10	5	10	6	3	11	15	39	27	25	15	10
13	10	5	10	6	3	11	15	39	27	25	15	10
14	10	5	10	6	3	11	15	39	27	25	15	10
15	10	5	10	6	3	11	15	39	27	25	15	10
16	10	5	10	6	3	18	15	39	27	25	15	10
17	10	5	10	6	3	18	15	39	27	25	15	10
18	10	5	10	6	3	18	15	39	27	25	15	10
19	10	5	10	6	3	18	15	39	27	25	15	10
20	10	5	10	6	3	18	15	39	27	25	15	10
21	10	5	10	6	3	18	15	34	27	25	10	10
22	10	5	10	6	3	18	15	34	27	25	10	10
23	10	5	10	6	3	18	15	34	27	25	10	10
24	10	5	10	6	3	18	15	34	27	25	10	10
25	10	5	10	6	3	18	15	34	27	25	10	10
26	10	5	10	6	3	18	15	34	27	25	10	10
27	10	5	10	6	3	18	15	34	27	25	10	10
28	10	5	10	6	3	18	15	34	27	25	10	10
29	10	....	10	6	3	18	15	34	27	25	10	10
30	10	....	10	6	3	18	15	34	27	25	10	10
31	10	....	10	....	3	....	15	34	....	25	....	10
Mean	10	5	10	6	3	14	15	29	27	25	16	9
Max.	10	5	10	6	3	18	15	39	27	25	25	10
Min.	10	5	10	6	3	11	15	25	27	25	10	8
A. F.	615	278	615	357	184	863	922	1763	1606	1537	991	575

Total Acre-feet 10,306

DISCHARGE OF INDIAN CREEK NEAR MAX—Sec. 23-2-36 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
1	3	2	5	7	7	3	2	2	2	4	4	4
2	3	2	5	7	7	3	2	2	2	4	4	4
3	3	2	5	7	7	3	2	2	2	4	4	4
4	3	2	5	7	7	3	2	2	2	4	4	4
5	3	2	5	7	7	3	2	2	2	4	4	4
6	3	2	5	7	7	3	2	2	2	4	4	4
7	3	2	5	7	7	3	2	2	2	4	4	4
8	3	2	5	7	7	3	2	2	2	4	4	4
9	3	2	5	7	7	3	2	2	2	4	4	4
10	3	2	5	7	7	3	2	2	2	4	4	4
11	3	2	5	7	7	3	1	2	2	4	4	4
12	3	2	5	7	7	3	1	2	2	4	4	4
13	3	2	5	7	7	3	1	2	2	4	4	4
14	3	2	5	7	7	3	1	2	2	4	4	4
15	3	2	5	7	7	3	1	2	2	4	4	4
16	3	2	7	7	7	2	1	2	4	4	4	3
17	3	2	7	7	7	2	1	2	4	4	4	3
18	3	2	7	7	7	2	1	2	4	4	4	3
19	3	2	7	7	7	2	1	2	4	4	4	3
20	3	2	7	7	7	2	1	2	4	4	4	3
21	3	2	7	7	7	2	1	2	4	4	4	3
22	3	2	7	7	7	2	1	2	4	4	4	3
23	3	2	7	7	7	2	1	2	4	4	4	3
24	3	2	7	7	7	2	1	2	4	4	4	3
25	3	2	7	7	7	2	1	2	4	4	4	3
26	3	2	7	7	7	2	1	2	4	4	4	3
27	3	2	7	7	7	2	1	2	4	4	4	3
28	3	2	7	7	7	2	1	2	4	4	4	3
29	3	....	7	7	7	2	1	2	4	4	4	3
30	3	....	7	7	7	2	1	2	4	4	4	3
31	3	—	7	—	7	....	1	2	—	4	....	3
Mean	3	2	6	7	7	2	1	2	3	4	4	3
Max.	3	2	7	7	7	3	2	2	4	4	4	4
Min.	3	2	5	7	7	2	1	2	2	4	4	3
A. F.	184	111	371	416	430	149	81	123	178	246	238	214

Total Acre-feet 2,741

DISCHARGE OF KATZER DRAIN—Sec. 10-23-60 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
1	3	3	4	5	6	28	20	30	40	11	4	3
2	3	3	4	5	6	28	20	30	40	11	4	3
3	3	3	4	5	6	28	20	30	40	11	4	3
4	3	3	4	5	6	28	20	30	40	11	4	3
5	3	3	4	5	6	28	20	30	40	11	4	3
6	3	3	4	5	6	28	20	26	40	11	4	3
7	3	3	4	5	6	28	20	26	40	11	4	3
8	3	3	4	5	6	28	20	26	40	11	4	3
9	3	3	4	5	6	28	20	26	35	11	4	3
10	3	3	4	5	6	28	20	26	35	11	4	3
11	3	3	4	5	6	24	20	31	35	8	4	3
12	3	3	4	5	6	24	20	31	30	8	4	3
13	3	3	4	5	6	24	20	31	20	8	4	3
14	3	3	4	5	6	24	20	33	15	8	4	3
15	3	3	4	5	6	24	20	31	15	8	4	3
16	3	4	4	5	28	24	20	32	15	8	4	3
17	3	4	4	5	28	24	20	32	15	8	4	3
18	3	4	4	5	28	24	20	32	15	8	4	3
19	3	4	4	5	28	24	20	32	15	8	4	3
20	3	4	4	5	28	24	20	32	15	8	4	3
21	3	4	4	5	28	20	20	31	20	6	4	3
22	3	4	4	5	28	20	20	31	20	6	4	3
23	3	4	4	5	28	20	20	31	20	6	4	3
24	3	4	4	5	28	20	20	31	20	6	4	3
25	3	4	4	5	28	20	20	31	20	6	4	3
26	3	4	4	5	28	20	20	35	13	6	4	3
27	3	4	4	5	28	20	20	35	13	6	4	3
28	3	4	4	5	28	20	28	35	13	6	4	3
29	3	....	4	5	28	20	28	35	13	6	4	3
30	3	....	4	5	28	20	28	35	13	6	4	3
31	3	....	4	....	28	—	28	35	—	6	—	3
Mean	3	3	4	5	17	24	21	31	25	8	4	3
Max.	3	4	4	5	28	28	28	35	40	11	4	3
Min.	3	3	4	5	6	20	20	26	13	6	4	3
A. F.	184	192	246	297	1067	1428	1293	1908	1477	508	238	184

Total Acre-feet 9,022

DISCHARGE OF LANE DRAIN—Sec. 30-23-57 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	1	1	2	2	2	3	3	3	4	4	4
2	3	1	1	2	2	2	3	3	3	4	4	4
3	3	1	1	2	2	2	3	3	3	4	4	4
4	3	1	1	2	2	2	3	3	3	4	4	4
5	3	1	1	2	2	2	3	3	3	4	4	4
6	3	1	1	2	2	2	3	3	3	4	4	4
7	3	1	1	2	2	2	3	3	3	4	4	4
8	3	1	1	2	2	2	3	3	3	4	4	4
9	3	1	1	2	2	2	3	3	3	4	4	4
10	3	1	1	2	2	2	3	3	3	4	4	4
11	3	1	1	2	2	2	3	3	3	4	4	4
12	3	1	1	2	2	2	3	3	3	4	4	4
13	3	1	1	2	2	2	3	3	3	4	4	4
14	3	1	1	2	2	2	3	3	3	4	4	4
15	3	1	1	2	2	2	3	3	3	4	4	4
16	3	1	2	3	2	3	3	3	4	4	4	4
17	3	1	2	3	2	3	3	3	4	4	4	4
18	3	1	2	3	2	3	3	3	4	4	4	4
19	3	1	2	3	2	3	3	3	4	4	4	4
20	3	1	2	3	2	3	3	3	4	4	4	4
21	1	1	2	3	2	3	3	3	4	4	3	4
22	1	1	2	3	2	3	3	3	4	4	3	4
23	1	1	2	3	2	3	3	3	4	4	3	4
24	1	1	2	3	2	3	3	3	4	4	3	4
25	1	1	2	3	2	3	3	3	4	4	3	4
26	1	1	2	3	2	3	3	3	4	4	3	4
27	1	1	2	3	2	3	3	3	4	4	3	4
28	1	1	2	3	2	3	3	3	4	4	3	4
29	1	....	2	3	2	3	3	3	4	4	3	4
30	1	....	2	3	2	3	3	3	4	4	3	4
31	1	....	2	—	2	....	3	3	—	4	—	4
Mean	2	1	2	2	2	2	3	3	3	4	4	4
Max.	3	1	2	3	2	3	3	3	4	4	4	4
Min.	2	1	2	2	2	3	3	3	3	4	3	4
A. F.	141	55	123	149	123	149	184	184	208	246	218	246

Total Acre-feet 2,026

DISCHARGE OF LINCOLN COUNTY DRAIN—Sec. 30-14-30 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	48	59	71	52	66	82	107	146	124	104	104	64
2	48	59	71	52	66	82	107	146	124	104	104	64
3	48	59	71	52	66	82	107	146	124	104	104	64
4	48	59	71	52	66	82	107	146	124	104	104	64
5	48	59	71	52	66	82	107	146	124	104	104	64
6	48	59	71	52	66	82	107	146	124	104	104	64
7	48	59	71	52	66	82	107	146	124	104	104	64
8	48	59	71	52	66	82	107	146	124	104	104	64
9	48	59	71	52	66	82	107	146	124	104	104	64
10	48	59	71	52	66	82	107	146	124	104	104	64
11	48	59	71	52	66	82	107	137	124	104	70	64
12	48	59	71	52	66	82	107	137	124	104	70	64
13	48	59	71	52	66	82	107	137	124	104	70	64
14	48	59	71	52	66	82	107	137	124	104	70	64
15	48	59	71	52	66	82	107	137	124	104	70	64
16	61	58	55	68	66	117	107	137	114	104	70	64
17	61	58	55	68	66	117	107	137	114	104	70	64
18	61	58	55	68	66	117	107	137	114	104	70	64
19	61	58	55	68	66	117	107	137	114	104	70	64
20	61	58	55	68	66	117	107	137	114	104	70	64
21	61	58	55	68	66	117	146	149	114	104	70	64
22	61	58	55	68	66	117	146	149	114	104	70	64
23	61	58	55	68	66	117	146	149	114	104	70	64
24	61	58	55	68	66	117	146	149	114	104	70	64
25	61	58	55	68	66	117	146	149	114	104	70	64
26	61	58	55	68	66	117	146	149	114	104	70	64
27	61	58	55	68	66	117	146	149	114	104	70	64
28	61	58	55	68	66	117	146	149	114	104	70	64
29	61	....	55	68	66	117	146	149	114	104	70	64
30	61	....	55	68	66	117	146	149	114	104	70	64
31	61	—	55	—	66	....	146	149	.....	104	....	64
Mean	55	58	63	60	66	99	121	144	119	104	81	64
Max.	61	59	71	68	66	117	146	149	124	104	104	64
Min.	48	58	55	52	66	82	107	137	114	104	70	64
A. F.	3364	3250	3858	3570	4058	5921	7430	8864	7081	6395	4840	3935

Total Acre-feet 62,566

DISCHARGE OF LODGEPOLE CREEK AT WYOMING-NEBRASKA LINE—

Sec. 11-14-59 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5	7	20	10	10	5	4	5	6	6	7	7
2	5	7	20	10	10	5	4	5	6	6	7	7
3	5	7	20	10	10	5	4	5	6	6	7	7
4	5	7	20	10	10	5	4	5	6	6	7	7
5	5	7	20	10	10	5	4	5	6	6	7	7
6	5	7	20	10	10	5	4	5	6	6	7	7
7	5	7	20	10	10	5	4	5	6	6	7	7
8	5	7	20	10	10	5	4	5	6	6	7	7
9	5	7	20	10	10	5	4	5	6	6	7	7
10	5	7	20	10	10	5	4	5	6	6	7	7
11	5	7	20	10	10	5	4	5	6	6	7	7
12	5	7	20	10	10	5	4	5	6	6	7	7
13	5	7	20	10	10	5	4	5	6	6	7	7
14	5	7	20	10	10	5	4	5	6	6	7	7
15	5	7	20	10	10	5	4	5	6	6	7	7
16	5	7	15	8	5	4	4	5	6	7	7	5
17	5	7	15	8	5	4	4	5	6	7	7	5
18	5	7	15	8	5	4	4	5	6	7	7	5
19	5	7	15	8	5	4	4	5	6	7	7	5
20	5	7	15	8	5	4	4	5	6	7	7	5
21	5	7	15	8	5	4	4	5	6	7	7	5
22	5	7	15	8	5	4	4	5	6	7	7	5
23	5	7	15	8	5	4	4	5	6	7	7	5
24	5	7	15	8	5	4	4	5	6	7	7	5
25	5	7	15	8	5	4	4	5	6	7	7	5
26	5	7	15	8	5	4	4	5	6	7	7	5
27	5	7	15	8	5	4	4	5	6	7	7	5
28	5	7	15	8	5	4	4	5	6	7	7	5
29	5	.....	15	8	5	4	4	5	6	7	7	5
30	5	.....	15	8	5	4	4	5	6	7	7	5
31	5	.....	15	.....	5	.....	4	5	.....	7	.....	5
Mean	5	7	17	9	7	5	4	5	6	6	7	6
Max.	5	7	20	10	10	5	4	5	6	7	7	7
Min.	5	7	15	8	5	4	4	5	6	6	7	5
A. F.	307	389	1071	535	456	268	246	307	369	401	430	367

Total Acre-feet 5,146

DISCHARGE OF LODGEPOLE CREEK ABOVE KIMBALL RESERVOIR—

Sec. 33-15-57 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13	14	27	25	26	20	9	13	14	15	17	16
2	13	14	27	25	26	20	9	13	14	15	17	16
3	13	14	27	25	26	20	9	13	14	15	17	16
4	13	14	27	25	26	20	9	13	14	15	17	16
5	13	14	27	25	26	20	9	13	14	15	17	16
6	13	14	27	25	26	20	9	13	14	15	17	16
7	13	14	27	25	26	20	9	13	14	15	17	16
8	13	14	27	25	26	20	9	13	14	15	17	16
9	13	14	27	25	26	20	9	13	14	15	17	16
10	13	14	27	25	26	20	9	13	14	15	17	16
11	13	14	27	25	26	20	9	13	14	15	17	16
12	13	14	27	25	26	20	9	13	14	15	17	16
13	13	14	27	25	26	20	9	13	14	15	17	16
14	13	14	27	25	26	20	9	13	14	15	17	16
15	13	14	27	25	26	20	9	13	14	15	17	16
16	13	14	27	25	20	18	9	13	14	15	17	16
17	13	14	27	25	20	18	9	13	14	15	17	16
18	13	14	27	25	20	18	9	13	14	15	17	16
19	13	14	27	25	20	18	9	13	14	15	17	16
20	13	14	27	25	20	18	9	13	14	15	17	16
21	13	14	27	25	20	18	9	13	14	15	17	16
22	13	14	27	25	20	18	9	13	14	15	17	16
23	13	14	27	25	20	18	9	13	14	15	17	16
24	13	14	27	25	20	18	9	13	14	15	17	16
25	13	14	27	25	20	18	9	13	14	15	17	16
26	13	14	27	25	20	18	9	13	14	15	17	16
27	13	14	27	25	20	18	9	13	14	15	17	16
28	13	14	27	25	20	18	9	13	14	15	17	16
29	13	.....	27	25	20	18	9	13	14	15	17	16
30	13	.....	27	25	20	18	9	13	14	15	17	16
31	13	.....	27	.....	20	.....	9	13	.....	15	.....	16
Mean	13	14	27	25	23	19	9	13	14	15	17	16
Max.	13	14	27	25	26	20	9	13	14	15	17	16
Min.	13	14	27	25	20	18	9	13	14	15	17	16
A. F.	799	777	1660	1488	1408	1130	553	799	833	922	1011	984

Total Acre-feet 12,364

DISCHARGE OF LODGEPOLE CREEK BELOW KIMBALL RESERVOIR—
Sec. 36-15-57 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	2	2	2	3	3	2	2	3	3	3	3
2	3	2	2	2	3	3	2	2	3	3	3	3
3	3	2	2	2	3	3	2	2	3	3	3	3
4	3	2	2	2	3	3	2	2	3	3	3	3
5	3	2	2	2	3	3	2	2	3	3	3	3
6	3	2	2	2	3	3	2	2	3	3	3	3
7	3	2	2	2	3	3	2	2	3	3	3	3
8	3	2	2	2	3	3	2	2	3	3	3	3
9	3	2	2	2	3	3	2	2	3	3	3	3
10	3	2	2	2	3	3	2	2	3	3	3	3
11	3	2	2	2	3	3	2	2	3	3	3	3
12	3	2	2	2	3	3	2	2	3	3	3	3
13	3	2	2	2	3	3	2	2	3	3	3	3
14	3	2	2	2	3	3	2	2	3	3	3	3
15	3	2	2	2	3	3	2	2	3	3	3	3
16	3	2	2	3	3	3	2	2	4	3	3	3
17	3	2	2	3	3	3	2	2	4	3	3	3
18	3	2	2	3	3	3	2	2	4	3	3	3
19	3	2	2	3	3	3	2	2	4	3	3	3
20	3	2	2	3	3	3	2	2	4	3	3	3
21	3	2	2	3	3	3	2	2	4	3	3	3
22	3	2	2	3	3	3	2	2	4	3	3	3
23	3	2	2	3	3	3	2	2	4	3	3	3
24	3	2	2	3	3	3	2	2	4	3	3	3
25	3	2	2	3	3	3	2	2	4	3	3	3
26	3	2	2	3	3	3	2	2	4	3	3	3
27	3	2	2	3	3	3	2	2	4	3	3	3
28	3	2	2	3	3	3	2	2	4	3	3	3
29	3	.....	2	3	3	3	2	2	4	3	3	3
30	3	.....	2	3	3	3	2	2	4	3	3	3
31	3	.....	2	.....	3	.....	2	2	.....	3	.....	3
Mean	3	2	2	2	3	3	2	2	3	3	3	3
Max.	3	2	2	3	3	3	2	2	4	3	3	3
Min.	3	2	2	2	3	3	2	2	3	3	3	3
A. F.	184	111	123	149	184	179	123	123	208	184	179	184

Total Acre-feet 1,932

DISCHARGE OF LODGEPOLE CREEK NORTH OF KIMBALL—Sec. 29-15-55 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18	11	12	12	13	26	3	3	14	14	17	17
2	18	11	12	12	13	26	3	3	14	14	17	17
3	18	11	12	12	13	26	3	3	14	14	17	17
4	18	11	12	12	13	26	3	3	14	14	17	17
5	18	11	12	12	13	26	3	3	14	14	17	17
6	18	11	12	12	13	26	3	3	14	14	17	17
7	18	11	12	12	13	26	3	3	14	14	17	17
8	18	11	12	12	13	26	3	3	14	14	17	17
9	18	11	12	12	13	26	3	3	14	14	17	17
10	18	11	12	12	13	26	3	3	14	14	17	17
11	18	11	12	12	13	15	3	3	14	14	17	34
12	18	11	12	12	13	15	3	3	14	14	17	34
13	18	11	12	12	13	15	3	3	14	14	17	34
14	18	11	12	12	13	15	3	3	14	14	17	34
15	18	11	12	12	13	15	3	3	14	14	17	34
16	18	11	12	14	26	15	3	3	14	16	17	34
17	18	11	12	14	26	15	3	3	14	16	16	34
18	18	11	12	14	26	15	3	3	14	16	16	34
19	18	11	12	14	26	15	3	3	14	16	16	34
20	18	11	12	14	26	15	3	3	14	16	16	34
21	18	11	12	14	26	10	3	8	14	16	17	12
22	18	11	12	14	26	10	3	8	14	16	17	12
23	18	11	12	14	26	10	3	8	14	16	17	12
24	18	11	12	14	26	10	3	8	14	16	17	12
25	18	11	12	14	26	10	3	8	14	16	17	12
26	18	11	12	14	26	10	3	8	14	16	17	12
27	18	11	12	14	26	10	3	8	14	16	17	12
28	18	11	12	14	26	10	3	8	14	16	17	12
29	18	.....	12	14	26	10	3	8	14	16	17	12
30	18	.....	12	14	26	10	3	8	14	16	17	12
31	18	.....	12	.....	26	.....	3	8	.....	16	.....	12
Mean	18	11	12	13	20	17	3	5	14	15	17	21
Max.	18	11	12	14	26	26	3	8	14	16	17	34
Min.	18	11	12	12	13	10	3	3	14	14	16	12
A. F.	1107	611	738	773	1212	1011	184	293	833	924	1011	1273

Total Acre-feet 9,973

DISCHARGE OF LODGEPOLE CREEK ABOVE BENNETT RESERVOIR—
Sec. 28-15-55 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8	8	6	7	11	0.5	0.5	*	5	*	12	*
2	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
3	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
4	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
5	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
6	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
7	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
8	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
9	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
10	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
11	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
12	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
13	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
14	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
15	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
16	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
17	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
18	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
19	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
20	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
21	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
22	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
23	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
24	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
25	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
26	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
27	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
28	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
29	8	.....	6	7	12	.5	.5	.....	5	.....	12	.....
30	8	.....	6	7	12	.5	.5	.....	5	.....	12	.....
31	8	.....	6	.....	12	.....	.5	.....	.....	.....	12	.....
Mean	8	8	6	7	11	0.5	0.5	.....	5	.....	12	.....
Max.	8	8	6	7	12	.5	.5	.....	5	.....	12	.....
Min.	8	8	6	7	11	.5	.5	.....	5	.....	12	.....
A. F.	492	444	369	416	708	30	30	.....	297	.....	714	.....

*No Record

DISCHARGE OF LODGEPOLE CREEK NEAR SIDNEY—Sec. 32-14-49 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4	3	3	3	7	5	0.5	2	3	3	3	4
2	4	3	3	3	7	5	.5	2	3	3	3	4
3	4	3	3	3	7	5	.5	2	3	3	3	4
4	4	3	3	3	7	5	.5	2	3	3	3	4
5	4	3	3	3	7	5	.5	2	3	3	3	4
6	4	3	3	3	7	5	.5	2	3	3	3	4
7	4	3	3	3	7	5	.5	2	3	3	3	4
8	4	3	3	3	7	5	.5	2	3	3	3	4
9	4	3	3	3	7	5	.5	2	3	3	3	4
10	4	3	3	3	7	5	.5	2	3	3	3	4
11	4	2	3	3	7	5	.5	2	3	3	3	4
12	4	2	3	3	7	5	.5	2	3	3	3	4
13	4	2	3	3	7	5	.5	2	3	3	3	4
14	4	2	3	3	7	5	.5	2	3	3	3	4
15	4	2	3	3	7	5	.5	2	3	3	3	4
16	4	2	3	5	2	5	.5	2	3	3	4	3
17	4	2	3	5	2	5	.5	2	3	3	4	3
18	4	2	3	5	2	5	.5	2	3	3	4	3
19	4	2	3	5	2	5	.5	2	3	3	4	3
20	4	2	3	5	2	5	.5	2	3	3	4	3
21	4	2	3	5	2	5	.5	2	3	3	4	3
22	4	2	3	5	2	5	.5	2	3	3	4	3
23	4	2	3	5	2	5	.5	2	3	3	4	3
24	4	2	3	5	2	5	.5	2	3	3	4	3
25	4	2	3	5	2	5	.5	2	3	3	4	3
26	4	2	3	5	2	5	.5	2	3	3	4	3
27	4	2	3	5	2	5	.5	2	3	3	4	3
28	4	2	3	5	2	5	.5	2	3	3	4	3
29	4	.....	3	5	2	5	.5	2	3	3	4	3
30	4	.....	3	5	2	5	.5	2	3	3	4	3
31	4	.....	3	.....	2	.....	.5	2	.....	3	.....	3
Mean	4	2	3	4	4	5	0.5	2	3	3	4	3
Max.	4	3	3	5	7	5	.5	2	3	3	4	4
Min.	4	2	3	3	2	5	.5	2	3	3	3	3
A. F.	246	131	184	238	272	297	32	123	179	184	208	214

Total Acre-feet 2,308

DISCHARGE OF LODGEPOLE CREEK AT LODGEPOLE—Sec. 30-14-46 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10	10	12	15	19	6	0	0.5	1	2	10	11
2	10	10	12	15	19	6	0	.5	1	2	10	11
3	10	10	12	15	19	6	0	.5	1	2	10	11
4	10	10	12	15	19	6	0	.5	1	2	10	11
5	10	10	12	15	19	6	0	.5	1	2	10	11
6	10	10	12	15	19	6	0	.5	1	2	10	11
7	10	10	12	15	19	6	0	.5	1	2	10	11
8	10	10	12	15	19	6	0	.5	1	2	10	11
9	10	10	12	15	19	6	0	.5	1	2	10	11
10	10	10	12	15	19	6	0	.5	1	2	10	11
11	10	9	12	15	19	6	0	.5	1	5	10	11
12	10	9	12	15	19	6	0	.5	1	5	10	11
13	10	9	12	15	19	6	0	.5	1	5	10	11
14	10	9	12	15	19	6	0	.5	1	5	10	11
15	10	9	12	15	19	6	0	.5	1	5	10	11
16	10	9	15	17	6	0	0	.5	1	5	7	6
17	10	9	15	17	6	0	0	.5	1	5	7	6
18	10	9	15	17	6	0	0	.5	1	5	7	6
19	10	9	15	17	6	0	0	.5	1	5	7	6
20	10	9	15	17	6	0	0	.5	1	5	7	6
21	10	9	15	17	6	0	0	.5	1	7	7	6
22	10	9	15	17	6	0	0	.5	1	7	7	6
23	10	9	15	17	6	0	0	.5	1	7	7	6
24	10	9	15	17	6	0	0	.5	1	7	7	6
25	10	9	15	17	6	0	0	.5	1	7	7	6
26	10	9	15	17	6	0	0	.5	1	7	7	6
27	10	9	15	17	6	0	0	.5	1	7	7	6
28	10	9	15	17	6	0	0	.5	1	7	7	6
29	10	.....	15	17	6	0	0	.5	1	7	7	6
30	10	.....	15	17	6	0	0	.5	1	7	7	6
31	10	.....	15	.....	6	.....	0	.5	.....	7	.....	6
Mean	10	9	13	16	12	3	0	0.5	1	5	8	8
Max.	10	10	15	17	19	6	0	.5	1	7	10	11
Min.	10	9	12	15	6	0	0	.5	1	2	7	6
A. F.	615	520	793	952	756	178	0	30	59	291	506	518

DISCHARGE OF LODGEPOLE CREEK AT CHAPPELL—Sec. 21-13-45 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18	22	23	15	7	*	3	*	*	*	6	7
2	18	22	23	15	7	.....	3	.....	.....	.....	6	7
3	18	22	23	15	7	.....	3	.....	.....	.....	6	7
4	18	22	23	15	7	.....	3	.....	.....	.....	6	7
5	18	22	23	15	7	.....	3	.....	.....	.....	6	7
6	18	22	23	15	7	.....	3	.....	.....	.....	6	7
7	18	22	23	15	7	.....	3	.....	.....	.....	6	7
8	18	22	23	15	7	.....	3	.....	.....	.....	6	7
9	18	22	23	15	7	.....	3	.....	.....	.....	6	7
10	18	22	23	15	7	.....	3	.....	.....	.....	6	7
11	18	22	23	15	7	.....	3	.....	.....	.....	6	7
12	18	22	23	15	7	.....	3	.....	.....	.....	6	7
13	18	22	23	15	7	.....	3	.....	.....	.....	6	7
14	18	22	23	15	7	.....	3	.....	.....	.....	6	7
15	18	22	23	15	7	.....	3	.....	.....	.....	6	7
16	18	22	23	15	7	.....	3	.....	.....	.....	7	14
17	18	22	23	15	7	.....	3	.....	.....	.....	7	14
18	13	22	23	15	7	.....	3	.....	.....	.....	7	14
19	18	22	23	15	7	.....	3	.....	.....	.....	7	14
20	18	22	23	15	7	.....	3	.....	.....	.....	7	14
21	18	22	23	15	7	.....	3	.....	.....	.....	7	14
22	18	22	23	15	7	.....	3	.....	.....	.....	7	14
23	18	22	23	15	7	.....	3	.....	.....	.....	7	14
24	18	22	23	15	7	.....	3	.....	.....	.....	7	14
25	18	22	23	15	7	.....	3	.....	.....	.....	7	14
26	18	22	23	15	7	.....	3	.....	.....	.....	7	14
27	18	22	23	15	7	.....	3	.....	.....	.....	7	14
28	18	22	23	15	7	.....	3	.....	.....	.....	7	14
29	18	.....	23	15	7	.....	3	.....	.....	.....	7	14
30	18	.....	23	15	7	.....	3	.....	.....	.....	7	14
31	18	.....	23	.....	7	.....	3	.....	.....	.....	.....	14
Mean	18	22	23	15	7	.....	3	.....	.....	.....	6	10
Max.	18	22	23	15	7	.....	3	.....	.....	.....	7	14
Min.	18	22	23	15	7	.....	3	.....	.....	.....	6	7
A. F.	1107	1211	1403	892	430	.....	184	.....	.....	.....	387	652

*No Record

DISCHARGE OF LODGEPOLE CREEK AT INTERSTATE STATION—
Sec. 12-12-45 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13	13	24	22	21	20	1	2	3	10	19	17
2	13	13	24	22	21	20	1	2	3	10	19	17
3	13	13	24	22	21	20	1	2	3	10	19	17
4	13	13	24	22	21	20	1	2	3	10	19	17
5	13	13	24	22	21	20	1	2	3	10	19	17
6	13	13	24	22	21	20	1	2	3	10	19	17
7	13	13	24	22	21	20	1	2	3	10	19	17
8	13	13	24	22	21	20	1	2	3	10	19	17
9	13	13	24	22	21	20	1	2	3	10	19	17
10	13	13	24	22	21	20	1	2	3	10	19	17
11	13	11	24	22	21	15	1	2	3	15	19	17
12	13	11	24	22	21	15	1	2	3	15	19	17
13	13	11	24	22	21	15	1	2	3	15	19	17
14	13	11	24	22	21	15	1	2	3	15	19	17
15	13	11	24	22	21	15	1	2	3	15	19	17
16	13	11	24	22	21	15	1	2	3	15	19	17
17	13	11	24	22	21	15	1	2	3	15	19	17
18	13	11	24	22	21	15	1	2	3	15	19	17
19	13	11	24	22	21	15	1	2	3	15	19	17
20	13	11	24	22	21	15	1	2	3	15	19	17
21	13	11	24	22	21	5	1	2	3	15	15	13
22	13	11	24	22	21	5	1	2	3	15	15	13
23	13	11	24	22	21	5	1	2	3	15	15	13
24	13	11	24	22	21	5	1	2	3	15	15	13
25	13	11	24	22	21	5	1	2	3	15	15	13
26	13	11	24	22	21	5	1	2	3	15	15	13
27	13	11	24	22	21	5	1	2	3	15	15	13
28	13	11	24	22	21	5	1	2	3	15	15	13
29	13	.....	24	22	21	5	1	2	3	15	15	13
30	13	.....	24	22	21	5	1	2	3	15	15	13
31	13	.....	24	.....	21	.....	1	2	.....	15	.....	13
Mean	13	12	24	22	21	13	1	2	3	13	17	15
Max.	13	13	24	22	21	20	1	2	3	15	19	17
Min.	13	11	24	22	21	5	1	2	3	10	15	13
A. F.	799	650	1476	1309	1291	793	60	123	178	823	1051	958

Total Acre-feet 9,511

DISCHARGE OF LONERGAN CREEK—Sec. 19-15-39 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6	8	7	8	8	5	4	8	5	3	7	5
2	6	8	7	8	8	5	4	8	5	3	7	5
3	6	8	7	8	8	5	4	8	5	3	7	5
4	6	8	7	8	8	5	4	8	5	3	7	5
5	6	8	7	8	8	5	4	8	5	3	7	5
6	6	8	7	8	8	5	4	8	5	3	7	5
7	6	8	7	8	8	5	4	8	5	3	7	5
8	6	8	7	8	8	5	4	8	5	3	7	5
9	6	8	7	8	8	5	4	8	5	3	7	5
10	6	8	7	8	8	5	4	8	5	3	7	5
11	6	8	7	8	8	5	4	8	5	3	7	5
12	6	8	7	8	8	5	4	8	5	3	7	5
13	6	8	7	8	8	5	4	8	5	3	7	5
14	6	8	7	8	8	5	4	8	5	3	7	5
15	6	8	7	8	8	5	4	8	5	3	7	5
16	7	8	7	8	4	4	4	12	5	3	6	5
17	7	8	7	8	4	4	4	12	5	3	6	5
18	7	8	7	8	4	4	4	12	5	3	6	5
19	7	8	7	8	4	4	4	12	5	3	6	5
20	7	8	7	8	4	4	4	12	5	3	6	5
21	7	8	7	8	4	4	12	6	5	3	6	5
22	7	8	7	8	4	4	12	6	5	3	6	5
23	7	8	7	8	4	4	12	6	5	3	6	5
24	7	8	7	8	4	4	12	6	5	3	6	5
25	7	8	7	8	4	4	12	6	5	3	6	5
26	7	8	7	8	4	4	12	6	5	3	6	5
27	7	8	7	8	4	4	12	6	5	3	6	5
28	7	8	7	8	4	4	12	6	5	3	6	5
29	7	.....	7	8	4	4	12	6	5	3	6	5
30	7	.....	7	8	4	4	12	6	5	3	6	5
31	7	.....	7	.....	4	.....	12	6	.....	3	.....	5
Mean	7	8	7	8	6	4	7	8	5	3	7	5
Max.	7	8	7	8	8	5	12	12	5	3	7	5
Min.	6	8	7	8	4	4	4	6	5	3	6	5
A. F.	400	444	430	476	365	268	420	488	297	184	387	308

Total Acre-feet 4,467

DISCHARGE OF MEDICINE CREEK—Sec. 18-4-25 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42	48	48	82	86	102	43	31	25	81	37	75
2	42	48	48	82	86	102	43	31	25	81	37	75
3	42	48	48	82	86	102	43	31	25	81	37	75
4	42	48	48	82	86	102	43	31	25	81	37	75
5	42	48	48	82	86	102	43	31	25	81	37	75
6	42	48	48	82	86	102	43	31	25	81	37	75
7	42	48	48	82	86	102	43	31	25	81	37	75
8	42	48	48	82	86	102	43	31	25	81	37	75
9	42	48	48	82	86	102	43	31	25	81	37	75
10	42	48	48	82	86	102	43	31	25	81	37	75
11	42	48	48	82	86	102	43	10	50	50	37	75
12	42	48	48	82	86	102	43	10	50	50	37	75
13	42	48	48	82	86	102	43	10	50	50	37	75
14	42	48	48	82	86	102	43	10	50	50	37	75
15	42	48	48	82	86	102	43	10	50	50	37	75
16	42	48	82	86	94	75	43	10	50	50	37	75
17	42	48	82	86	94	75	43	10	50	50	37	75
18	42	48	82	86	94	75	43	10	50	50	37	75
19	42	48	82	86	94	75	43	10	50	50	37	75
20	42	48	82	86	94	75	43	10	50	50	37	75
21	42	48	82	86	94	75	43	15	81	35	157	61
22	42	48	82	86	94	75	43	15	81	35	157	61
23	42	48	82	86	94	75	43	15	81	35	157	61
24	42	48	82	86	94	75	43	15	81	35	157	61
25	42	48	82	86	94	75	43	15	81	35	157	61
26	42	48	82	86	94	29	43	15	81	35	157	61
27	42	48	82	86	94	29	43	15	81	35	157	61
28	42	48	82	86	94	29	43	15	81	35	157	61
29	42	.....	82	86	94	29	43	15	81	35	157	61
30	42	.....	82	86	94	29	42	15	81	35	157	61
31	42	.....	82	.....	94	.....	42	15	.....	35	.....	61
Mean	42	48	65	84	90	80	43	18	52	55	77	70
Max.	42	48	82	86	94	102	43	31	81	81	157	75
Min.	42	48	48	82	86	29	42	10	25	35	37	61
A. F.	2582	2660	4030	4998	5542	4810	2644	1140	3094	3368	4582	4306

Total Acre-feet 43,762

DISCHARGE OF MELBETA SEEP—Sec. 24-21-54 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7	2	3	3	4	6	9	0	3	11	7	6
2	7	2	3	3	4	6	9	0	3	11	7	6
3	7	2	3	3	4	6	9	0	3	11	7	6
4	7	2	3	3	4	6	9	0	3	11	7	6
5	7	2	3	3	4	6	9	0	3	11	7	6
6	7	2	3	3	4	6	9	0	3	11	7	6
7	7	2	3	3	4	6	9	0	3	11	7	6
8	7	2	3	3	4	6	9	0	3	11	7	6
9	7	2	3	3	4	6	9	0	3	11	7	6
10	7	2	3	3	4	6	9	0	3	11	7	6
11	7	2	3	3	4	6	9	0	3	11	7	6
12	7	2	3	3	4	6	9	0	3	11	7	6
13	7	2	3	3	4	6	9	0	3	11	7	6
14	7	2	3	3	4	6	9	0	3	11	7	6
15	7	2	3	3	4	6	9	0	3	11	7	6
16	7	4	3	4	5	9	9	1	5	11	7	6
17	7	4	3	4	5	9	9	1	5	11	7	6
18	7	4	3	4	5	9	9	1	5	11	7	6
19	7	4	3	4	5	9	9	1	5	11	7	6
20	7	4	3	4	5	9	9	1	5	11	7	6
21	7	4	3	4	5	9	9	3	5	11	7	6
22	7	4	3	4	5	9	9	3	5	11	7	6
23	7	4	3	4	5	9	9	3	5	11	7	6
24	7	4	3	4	5	9	9	3	5	11	7	6
25	7	4	3	4	5	9	9	3	5	11	7	6
26	7	4	3	4	5	9	9	3	5	11	7	6
27	7	4	3	4	5	9	9	3	5	11	7	6
28	7	4	3	4	5	9	9	3	5	11	7	6
29	7	.....	3	4	5	9	9	3	5	11	7	6
30	7	.....	3	4	5	9	9	3	5	11	7	6
31	7	.....	3	4	5	.....	9	3	.....	11	.....	6
Mean	7	3	3	3	4	7	9	1	4	11	7	6
Max.	7	4	3	4	5	9	9	3	5	11	7	6
Min.	7	2	3	3	4	6	9	0	3	11	7	6
A. F.	430	163	184	208	278	446	553	71	238	676	416	369

Total Acre-feet 4,032

DISCHARGE OF MITCHELL SPILLWAY—Sec. 35-23-56 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16	18	23	12	12	0	0	0	0	33	29	17
2	16	18	23	12	12	0	0	0	0	33	29	17
3	16	18	23	12	12	0	0	0	0	33	29	17
4	16	18	23	12	12	0	0	0	0	33	29	17
5	16	18	23	12	12	0	0	0	0	33	29	17
6	16	18	23	12	12	100	0	0	100	33	29	17
7	16	18	23	12	12	100	0	0	200	33	29	17
8	16	18	23	12	12	100	0	0	250	33	29	17
9	16	18	23	12	12	150	0	0	250	33	29	17
10	16	18	23	12	12	150	0	0	250	33	29	17
11	16	18	23	12	12	150	0	0	250	33	29	17
12	16	18	23	12	12	150	0	0	250	33	29	17
13	16	18	23	12	12	150	0	0	200	33	29	17
14	16	18	23	12	12	150	0	0	250	33	29	17
15	16	18	23	12	12	50	0	0	250	33	29	17
16	18	20	12	12	12	0	0	0	250	33	29	17
17	18	20	12	12	12	0	0	0	250	33	29	17
18	18	20	12	12	12	0	0	0	250	33	29	17
19	18	20	12	12	200	0	0	0	250	33	29	17
20	18	20	12	12	200	0	0	0	100	33	29	17
21	18	20	12	12	200	0	0	0	0	33	29	17
22	18	20	12	12	100	0	0	0	100	33	29	17
23	18	20	12	12	0	0	0	0	0	33	29	17
24	18	20	12	12	0	0	0	0	0	33	29	17
25	18	20	12	12	0	0	0	0	0	33	29	17
26	18	20	12	12	0	0	0	0	0	33	29	17
27	18	20	12	12	0	0	0	0	0	33	29	17
28	18	20	12	12	0	0	0	0	0	33	29	17
29	18	.....	12	12	0	0	0	0	0	33	29	17
30	18	.....	12	12	0	0	0	0	0	33	29	17
31	18	.....	12	.....	0	.....	0	0	.....	33	.....	17
Mean	17	19	17	12	30	42	0	0	115	33	29	17
Max.	18	20	23	12	200	150	0	0	250	33	29	17
Min.	16	18	12	12	0	0	0	0	0	33	29	17
A. F.	1047	1051	1065	714	1806	2479	0	0	6843	2029	1725	1045

Total Acre-feet 19,804

DISCHARGE OF MORRILL DRAIN—Sec. 13-23-57 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1	0	0	2	2	0	0	0	0	2	3	1
2	1	0	0	2	2	0	0	0	0	2	3	1
3	1	0	0	2	2	0	0	0	0	2	3	1
4	1	0	0	2	2	0	0	0	0	2	3	1
5	1	0	0	2	2	0	0	0	0	2	3	1
6	1	0	0	2	2	0	0	0	0	2	3	1
7	1	0	0	2	2	0	0	0	0	2	3	1
8	1	0	0	2	2	0	0	0	0	2	3	1
9	1	0	0	2	2	0	0	0	0	2	3	1
10	1	0	0	2	2	0	0	0	0	2	3	1
11	1	0	0	2	2	0	0	0	0	2	3	1
12	1	0	0	2	2	0	0	0	0	2	3	1
13	1	0	0	2	2	0	0	0	0	2	3	1
14	1	0	0	2	2	0	0	0	0	2	3	1
15	1	0	0	2	2	0	0	0	0	2	3	1
16	4	0	0	2	2	0	0	0	0	2	3	1
17	4	0	0	2	2	0	0	0	0	2	3	1
18	4	0	0	2	2	0	0	0	0	2	3	1
19	4	0	0	2	2	0	0	0	0	2	3	1
20	4	0	0	2	0	0	0	0	0	2	3	1
21	4	0	0	2	0	0	0	0	0	2	3	1
22	4	0	0	2	0	0	0	0	0	2	3	1
23	4	0	0	2	0	0	0	0	0	2	3	1
24	4	0	0	2	0	0	0	0	0	2	3	1
25	4	0	0	2	0	0	0	0	0	2	3	1
26	4	0	0	2	0	0	0	0	0	2	3	1
27	4	0	0	2	0	0	0	0	0	2	3	1
28	4	0	0	2	0	0	0	0	0	2	3	1
29	4	.....	0	2	0	0	0	0	0	2	3	1
30	4	.....	0	2	0	0	0	0	0	2	3	1
31	4	.....	0	.....	0	.....	0	0	.....	2	.....	1
Mean	3	0	0	2	1	0	0	0	0	2	3	1
Max.	4	0	0	2	2	0	0	0	0	2	3	1
Min.	1	0	0	2	0	0	0	0	0	2	3	1
A. F.	156	0	0	119	75	0	0	0	0	123	178	60

Total Acre-feet 711

DISCHARGE OF MUDDY CREEK NEAR ARAPAHOE—Sec. 16-4-23 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	4	4	4	2	5	3	0.3	1	1	3	2
2	3	4	4	4	2	5	3	.3	1	1	3	2
3	3	4	4	4	2	5	3	.3	1	1	3	2
4	3	4	4	4	2	5	3	.3	1	1	3	2
5	3	4	4	4	2	5	3	.3	1	1	3	2
6	3	4	4	4	2	5	3	.3	1	1	3	2
7	3	4	4	4	2	5	3	.3	1	1	3	2
8	3	4	4	4	2	5	3	.3	1	1	3	2
9	3	4	4	4	2	5	3	.3	1	1	3	2
10	3	4	4	4	2	5	3	.3	1	1	3	2
11	3	4	4	4	2	5	3	.3	1	1	3	2
12	3	4	4	4	2	5	3	.3	1	1	3	2
13	3	4	4	4	2	5	3	.3	1	1	3	2
14	3	4	4	4	2	5	3	.3	1	1	3	2
15	3	4	4	4	2	5	3	.3	1	1	3	2
16	3	4	4	2	6	2	3	.0	1	3	3	2
17	3	4	4	2	6	2	3	.0	1	3	3	2
18	3	4	4	2	6	2	3	.0	1	3	3	2
19	3	4	4	2	6	2	3	.0	1	3	3	2
20	3	4	4	2	6	2	3	.0	1	3	3	2
21	3	4	4	2	6	2	3	.0	1	3	3	2
22	3	4	4	2	6	2	3	.0	1	3	3	2
23	3	4	4	2	6	2	3	.0	1	3	3	2
24	3	4	4	2	6	2	3	.0	1	3	3	2
25	3	4	4	2	6	2	3	.0	1	3	3	2
26	3	4	4	2	6	2	3	.0	1	3	3	2
27	3	4	4	2	6	2	3	.0	1	3	3	2
28	3	4	4	2	6	2	3	.0	1	3	3	2
29	3	.....	4	2	6	2	3	.0	1	3	3	2
30	3	.....	4	2	6	2	3	.0	1	3	3	2
31	3	.....	4	.....	6	.....	3	.0	.....	3	.....	2
Mean	3	4	4	3	4	3	3	0.3	1	3	3	2
Max.	3	4	4	4	6	5	3	.3	1	3	3	2
Min.	3	4	4	2	2	2	3	.0	1	1	3	2
A. F.	184	222	246	178	250	208	184	10	59	125	178	123

Total Acre-feet 1,967

DISCHARGE OF NIOBRARA RIVER NEAR MARSLAND—Sec. 5-28-51 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	38	112	112	84	45	21	*	*	15	23	0	42
2	38	112	112	84	45	21	.....	.....	15	23	0	42
3	38	112	112	84	45	21	.....	.....	15	23	0	42
4	38	112	112	84	45	21	.....	.....	15	23	0	42
5	38	112	112	84	45	21	.....	.....	15	23	0	42
6	38	112	112	84	45	21	.....	.....	15	23	0	42
7	38	112	112	84	45	21	.....	.....	15	23	0	42
8	38	112	112	84	45	21	.....	.....	15	23	0	42
9	38	112	112	84	45	21	.....	.....	15	23	0	42
10	38	112	112	84	45	21	.....	.....	15	23	0	42
11	38	112	100	84	45	21	.....	.....	15	23	0	42
12	38	112	100	84	45	21	.....	.....	15	23	0	42
13	38	112	100	84	45	21	.....	.....	15	23	0	42
14	38	112	100	84	45	21	.....	.....	15	23	0	42
15	38	112	100	84	45	21	.....	.....	15	23	0	42
16	38	112	100	84	45	21	.....	.....	15	23	0	42
17	38	112	100	84	45	21	.....	.....	15	23	0	42
18	38	112	100	84	45	21	.....	.....	15	23	0	42
19	38	112	100	84	45	21	.....	.....	15	23	0	42
20	38	112	100	84	45	21	.....	.....	15	23	0	42
21	38	112	90	84	45	21	.....	.....	15	23	0	42
22	38	112	90	84	45	21	.....	.....	15	23	0	42
23	38	112	90	84	45	21	.....	.....	15	23	0	42
24	38	112	90	84	45	21	.....	.....	15	23	0	42
25	38	112	90	84	45	21	.....	.....	15	23	0	42
26	38	112	90	84	45	21	.....	.....	15	23	0	42
27	38	112	90	84	45	21	.....	.....	15	23	0	42
28	38	112	90	84	45	21	.....	.....	15	23	0	42
29	38	.....	90	84	45	21	.....	.....	15	23	0	42
30	38	.....	90	84	45	21	.....	.....	15	23	0	42
31	38	.....	90	.....	45	.....	.....	.....	.....	23	.....	42
Mean	38	112	100	84	45	21	.....	.....	15	23	0	42
Max.	38	112	112	84	45	21	.....	.....	15	23	0	42
Min.	38	112	90	84	45	21	.....	.....	15	23	0	42
A.F.	2336	6220	.....	4998	2767	1250	.....	.....	892	1414	.....	2582

*No record

DISCHARGE OF NIOBRARA RIVER AT DUNLAP—Sec. 27-29-48 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	66	0	111	130	67	27	*	*	46	0	43	0
2	66	0	111	130	67	27	.....	.....	46	0	43	0
3	66	0	111	130	67	27	.....	.....	46	0	43	0
4	66	0	111	130	67	27	.....	.....	46	0	43	0
5	66	0	111	130	67	27	.....	.....	46	0	43	0
6	66	0	111	130	67	27	.....	.....	46	0	43	0
7	66	0	111	130	67	27	.....	.....	46	0	43	0
8	66	0	111	130	67	27	.....	.....	46	0	43	0
9	66	0	111	130	67	27	.....	.....	46	0	43	0
10	66	0	111	130	67	27	.....	.....	46	0	43	0
11	66	0	111	130	67	27	.....	.....	46	0	43	0
12	66	0	111	130	67	27	.....	.....	46	0	43	0
13	66	0	111	130	67	27	.....	.....	46	0	43	0
14	66	0	111	130	67	27	.....	.....	46	0	43	0
15	66	0	111	130	67	27	.....	.....	46	0	43	0
16	66	0	111	130	67	27	.....	.....	46	0	43	0
17	66	0	111	130	67	27	.....	.....	46	0	43	0
18	66	0	111	130	67	27	.....	.....	46	0	43	0
19	66	0	111	130	67	27	.....	.....	46	0	43	0
20	66	0	111	130	67	27	.....	.....	46	0	43	0
21	66	0	111	130	67	25	.....	.....	46	0	43	0
22	66	0	111	130	67	25	.....	.....	46	0	43	0
23	66	0	111	130	67	25	.....	.....	46	0	43	0
24	66	0	111	130	67	25	.....	.....	46	0	43	0
25	66	0	111	130	67	25	.....	.....	46	0	43	0
26	66	0	111	130	67	25	.....	.....	46	0	43	0
27	66	0	111	130	67	25	.....	.....	46	0	43	0
28	66	0	111	130	67	25	.....	.....	46	0	43	0
29	66	.....	111	130	67	25	.....	.....	46	0	43	0
30	66	.....	111	130	67	25	.....	.....	46	0	43	0
31	66	.....	111	.....	67	25	.....	.....	46	0	.....	0
Mean	66	0	111	130	67	26	.....	.....	46	0	43	0
Max.	66	0	111	130	67	27	.....	.....	46	0	43	0
Min.	66	0	111	130	67	25	.....	.....	46	0	43	0
A. F.	4058	0	6825	7735	4120	1567	.....	.....	2737	0	2559	0

*No record

DISCHARGE OF OTTER CREEK NEAR LEMOYNE—Sec. 9-15-40 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25	30	23	33	18	7	22	30	31	25	24	24
2	25	30	23	33	18	7	22	30	31	25	24	24
3	25	30	23	33	18	7	22	30	31	25	24	24
4	25	30	23	33	18	7	22	30	31	25	24	24
5	25	30	23	33	18	7	22	30	31	25	24	24
6	25	30	23	33	18	7	22	30	31	25	24	24
7	25	30	23	33	18	7	22	30	31	25	24	24
8	25	30	23	33	18	7	22	30	31	25	24	24
9	25	30	23	33	18	7	22	30	31	25	24	24
10	25	30	23	33	18	7	22	30	31	25	24	24
11	25	30	23	33	18	7	22	30	31	25	24	24
12	25	30	23	33	18	7	22	30	31	25	24	24
13	25	30	23	33	18	7	22	30	31	25	24	24
14	25	30	23	33	18	7	22	30	31	25	24	24
15	25	30	23	33	18	7	22	30	31	25	24	24
16	7	30	29	29	18	14	22	30	25	25	26	24
17	7	30	29	29	18	14	22	30	25	25	26	24
18	7	30	29	29	18	14	22	30	25	25	26	24
19	7	30	29	29	18	14	22	30	25	25	26	24
20	7	30	29	29	18	14	22	30	25	25	26	24
21	7	30	29	29	18	14	25	30	25	25	26	24
22	7	30	29	29	18	14	25	30	25	25	26	24
23	7	30	29	29	18	14	25	30	25	25	26	24
24	7	30	29	29	18	14	25	30	25	25	26	24
25	7	30	29	29	18	14	25	30	25	25	26	24
26	7	30	29	29	18	14	25	30	25	25	26	24
27	7	30	29	29	18	14	25	30	25	25	26	24
28	7	30	29	29	18	14	25	30	25	25	26	24
29	7	.....	29	29	18	14	25	30	25	25	26	24
30	7	.....	29	29	18	14	25	30	25	25	26	24
31	7	.....	29	.....	18	.....	25	30	.....	25	.....	24
Mean	16	30	26	32	18	10	23	30	24	25	25	24
Max.	25	30	29	33	18	14	25	30	31	25	26	24
Min.	7	30	23	29	18	7	22	30	25	25	24	24
A. F.	966	1666	1604	1902	1107	625	1418	1844	1716	1537	1488	1476

Total Acre-feet 17,349

DISCHARGE OF PAWNEE CREEK—Sec. 4-12-27 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7	10	12	14	6	9	4	2	*	*	*	14
2	7	10	12	14	6	9	4	2	....	—	—	14
3	7	10	12	14	6	9	4	2	....	—	—	14
4	7	10	12	14	6	9	4	2	....	—	—	14
5	7	10	12	14	6	9	4	2	....	—	—	14
6	7	10	12	14	6	9	4	2	....	—	—	14
7	7	10	12	14	6	9	4	2	....	—	—	14
8	7	10	12	14	6	9	4	2	....	—	—	14
9	7	10	12	14	6	9	4	2	....	—	—	14
10	7	10	12	14	6	9	4	2	....	—	—	14
11	7	10	12	14	6	9	4	0	....	—	—	14
12	7	10	12	14	6	9	4	0	....	—	—	14
13	7	10	12	14	6	9	4	0	....	—	—	14
14	7	10	12	14	6	9	4	0	....	—	—	14
15	7	10	12	14	6	9	4	0	....	—	—	14
16	11	10	23	10	6	5	4	0	....	—	—	14
17	11	10	23	10	6	5	4	0	....	—	—	14
18	11	10	23	10	6	5	4	0	....	—	—	14
19	11	10	23	10	6	5	4	0	....	—	—	14
20	11	10	23	10	6	5	4	0	....	—	—	14
21	11	10	23	10	6	5	4	0	....	—	—	14
22	11	10	23	10	6	5	4	0	....	—	—	14
23	11	10	23	10	6	5	4	0	....	—	—	14
24	11	10	23	10	6	5	4	0	....	—	—	14
25	11	10	23	10	6	5	4	0	....	—	—	14
26	11	10	23	10	6	5	4	0	....	—	—	14
27	11	10	23	10	6	5	4	0	....	—	—	14
28	11	10	23	10	6	5	4	0	....	—	—	14
29	11	—	23	10	6	5	4	0	....	—	—	14
30	11	—	23	10	6	5	4	0	....	—	—	14
31	11	—	23	—	6	—	4	0	—	....	—	14
Mean	9	10	18	12	6	7	4	1	—	....	—	14
Max.	11	10	23	14	6	9	4	2	—	....	—	14
Min.	7	10	12	10	6	5	4	0	—	—	—	14
A.F.	557	555	1087	714	369	416	246	40	—	....	—	861

*No record

DISCHARGE OF PULLEN DRAIN—Sec. 24-24-61 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.2	0.3	0.3	1	1	0.5	1	1	3	1	1	1
2	.2	.3	.3	1	1	.5	1	1	3	1	1	1
3	.2	.3	.3	1	1	.5	1	1	3	1	1	1
4	.2	.3	.3	1	1	.5	1	1	3	1	1	1
5	.2	.3	.3	1	1	.5	1	1	3	1	1	1
6	.2	.3	.3	1	1	.5	1	2	3	1	1	1
7	.2	.3	.3	1	1	.5	1	2	3	1	1	1
8	.2	.3	.3	1	1	.5	1	2	2	1	1	1
9	.2	.3	.3	1	1	.5	1	2	2	1	1	1
10	.2	.3	.3	1	1	.5	1	2	2	1	1	1
11	.2	.3	.3	1	1	.5	1	2	1	1	1	1
12	.2	.3	.3	1	1	.5	1	2	1	1	1	1
13	.2	.3	.3	1	1	.5	1	1	1	1	1	1
14	.2	.3	.3	1	1	.5	1	1	1	1	1	1
15	.2	.3	.3	1	1	.5	1	2	1	1	1	1
16	.2	.3	.3	1	.5	1.0	1	2	2	1	1	1
17	.2	.3	.3	1	.5	1.0	1	2	2	1	1	1
18	.2	.3	.3	1	.5	1.0	1	2	2	1	1	1
19	.2	.3	.3	1	.5	1.0	1	2	2	1	1	1
20	.2	.3	.3	1	.5	1.0	1	2	2	1	1	1
21	.2	.3	.3	1	.5	1.0	1	1	1	1	1	1
22	.2	.3	.3	1	.5	1.0	1	1	1	1	1	1
23	.2	.3	.3	1	.5	1.0	1	1	1	1	1	1
24	.2	.3	.3	1	.5	1.0	1	1	1	1	1	1
25	.2	.3	.3	1	.5	1.0	1	1	1	1	1	1
26	.2	.3	.3	1	.5	1.0	1	2	1	1	1	1
27	.2	.3	.3	1	.5	1.0	1	2	1	1	1	1
28	.2	.3	.3	1	.5	1.0	1	2	1	1	1	1
29	.2	—	.3	1	.5	1.0	1	2	1	1	1	1
30	.2	—	.3	1	.5	1.0	1	2	1	1	1	1
31	.2	....	.3	—	.5	....	1	2	—	1	—	1
Mean	0.2	0.3	0.3	1	1.0	1.0	1	2	2	1	1	1
Max.	.2	.3	.3	1	1.0	1.0	1	2	3	1	1	1
Min.	.2	.3	.3	1	.5	.5	1	1	1	1	1	1
A.F.	12	16	18	59	45	44	61	99	103	61	59	61

Total Acre-feet 638

DISCHARGE OF PUMPKINSEED CREEK SOUTH OF BRIDGEPORT—Sec. 28-19-50 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35	30	48	43	62	51	7	10	11	25	23	54
2	35	30	48	43	62	51	7	10	11	25	23	54
3	35	30	48	43	62	51	7	10	11	25	23	54
4	35	30	48	43	62	51	7	10	11	25	23	54
5	35	30	48	43	62	51	7	10	11	25	23	54
6	35	30	48	43	62	51	7	10	11	25	23	54
7	35	30	48	43	62	51	7	10	11	25	23	54
8	35	30	48	43	62	51	7	10	11	25	23	54
9	35	30	48	43	62	51	7	10	11	25	23	54
10	35	30	48	43	62	51	7	10	11	25	23	54
11	35	30	48	43	62	12	7	10	11	25	23	54
12	35	30	48	43	62	12	7	10	11	25	23	54
13	35	30	48	43	62	12	7	10	11	25	23	54
14	35	30	48	43	62	12	7	10	11	25	23	54
15	35	30	48	43	62	12	7	10	11	25	23	54
16	35	30	48	43	42	12	8	10	11	25	23	54
17	35	30	48	43	42	12	8	10	11	25	23	54
18	35	30	48	43	42	12	8	10	11	25	23	54
19	35	30	48	43	42	12	8	10	11	25	23	54
20	35	30	48	43	42	12	8	10	11	25	23	54
21	35	30	48	43	42	4	8	10	11	25	23	54
22	35	30	48	43	42	4	8	10	11	25	23	54
23	35	30	48	43	42	4	8	10	11	25	23	54
24	35	30	48	43	42	4	8	10	11	25	23	54
25	35	30	48	43	42	4	8	10	11	25	23	54
26	35	30	48	43	42	4	8	10	11	25	23	54
27	35	30	48	43	42	4	8	10	11	25	23	54
28	35	30	48	43	42	4	8	10	11	25	23	54
29	35	...	48	43	42	4	8	10	11	25	23	54
30	35	...	48	43	42	4	8	10	11	25	23	54
31	35	...	48	...	42	...	8	10	...	25	...	54
Mean	35	30	48	43	52	22	7	10	11	25	23	54
Max.	35	30	48	43	62	51	8	10	11	25	23	54
Min.	35	30	48	43	42	4	7	10	11	25	23	54
A. F.	2152	1666	2951	2559	3177	1329	462	615	654	1537	1369	3320

Total Acre-feet 21,791

DISCHARGE OF PUMPKINSEED CREEK AT MOUTH—Sec. 12-19-50 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	55	37	48	67	76	64	19	27	27	34	33	62
2	55	37	48	67	76	64	19	27	27	34	33	62
3	55	37	48	67	76	64	19	27	27	34	33	62
4	55	37	48	67	76	64	19	27	27	34	33	62
5	55	37	48	67	76	64	19	27	27	34	33	62
6	55	37	48	67	117	64	19	23	27	34	33	62
7	55	37	48	67	117	64	19	23	27	34	33	62
8	55	37	48	67	117	64	19	23	27	34	33	62
9	55	37	48	67	117	64	19	23	27	34	33	62
10	55	37	48	67	117	64	19	23	27	34	33	62
11	55	48	55	67	117	64	19	23	30	34	33	62
12	55	48	55	67	117	64	19	23	30	34	33	62
13	55	48	55	67	117	64	19	23	30	34	33	62
14	55	48	55	67	117	64	19	23	30	34	33	62
15	55	48	55	67	117	64	19	23	30	34	33	62
16	58	48	55	67	63	17	27	27	30	34	33	62
17	58	48	55	67	63	17	27	27	30	34	33	62
18	58	48	55	67	63	17	27	27	30	34	33	62
19	58	48	55	67	63	17	27	27	30	34	33	62
20	58	48	55	67	63	17	27	27	30	34	33	62
21	58	42	65	122	63	18	27	27	34	34	33	62
22	58	42	65	122	63	18	27	27	34	34	33	62
23	58	42	65	122	63	18	27	27	34	34	33	62
24	58	42	65	122	63	18	27	27	34	34	33	62
25	58	42	65	122	63	18	27	27	34	34	33	62
26	58	42	65	122	63	18	27	27	34	34	33	62
27	58	42	65	122	63	18	27	27	34	34	33	62
28	58	42	65	122	63	18	27	27	34	34	33	62
29	58	...	65	122	63	18	27	27	34	34	33	62
30	58	...	65	122	63	18	27	27	34	34	33	62
31	58	...	65	...	63	...	27	27	...	34	...	62
Mean	56	42	57	85	82	40	23	25	30	34	33	62
Max.	58	48	65	122	117	64	27	27	34	34	33	62
Min.	55	37	48	67	63	17	19	23	27	34	33	62
A. F.	3477	2352	3461	5077	5074	2430	1422	1570	1805	2091	1964	3812

Total Acre-feet 34,546

DISCHARGE OF RED WILLOW CREEK—Sec. 7-20-51 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49	40	34	41	74	173	5	55	47	91	91	74
2	49	40	34	41	74	173	5	55	47	91	91	74
3	49	40	34	41	74	173	500	55	47	91	91	74
4	49	40	34	41	74	173	200	55	47	91	91	74
5	49	40	34	41	74	173	50	55	47	91	91	74
6	49	40	34	41	74	173	25	47	110	91	91	74
7	49	40	34	41	74	173	15	47	175	91	91	74
8	49	40	34	41	74	173	10	47	100	91	91	74
9	49	40	34	41	74	173	6	47	120	91	91	74
10	49	40	34	41	74	173	6	47	120	91	91	74
11	49	40	28	41	100	173	6	47	220	91	70	74
12	49	40	28	41	100	173	6	47	235	91	70	74
13	49	40	28	41	100	173	6	47	140	91	70	74
14	49	40	28	41	100	173	6	47	110	91	70	74
15	49	40	28	41	100	173	6	47	120	91	70	74
16	49	40	28	41	100	100	6	47	229	91	70	74
17	49	40	28	41	100	100	6	47	110	91	70	74
18	49	40	28	41	100	100	6	47	90	91	70	74
19	49	40	28	41	100	100	6	47	90	91	70	74
20	49	40	28	41	100	100	6	47	80	91	70	74
21	45	40	28	41	142	5	6	47	47	91	60	74
22	45	40	28	41	142	5	6	47	47	91	60	74
23	45	40	28	41	142	5	6	47	200	91	60	74
24	45	40	28	41	142	5	6	47	47	91	60	74
25	45	40	28	41	142	5	6	47	47	91	60	74
26	45	34	28	41	142	5	6	47	47	91	60	74
27	45	34	28	41	142	5	6	47	47	91	60	74
28	45	34	28	41	142	5	6	47	47	91	60	74
29	45	....	28	41	142	5	6	47	47	91	60	74
30	45		28	41	142	5	6	47	47	91	60	74
31	45	—	28	—	142	—	6	47	....	91	—	74
Mean	47	36	30	41	106	104	31	47	93	91	73	74
Max.	49	40	34	41	142	173	500	55	235	91	91	74
Min.	45	34	28	41	74	5	6	47	47	91	60	74
A. F.	2926	2186	1841	2440	6549	6238	1908	2969	5766	5595	4383	4550

Total Acre-feet 47,351

DISCHARGE OF RED WILLOW CREEK—Sec. 17-3-28 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18	22	31	33	33	96	20	3	9	12	15	20
2	18	22	31	33	33	96	20	3	9	12	15	20
3	18	22	31	33	33	96	20	3	9	12	15	20
4	18	22	31	33	33	96	20	3	9	12	15	20
5	18	22	31	33	33	96	20	3	9	12	15	20
6	18	22	31	33	33	96	20	3	9	12	15	20
7	18	22	31	33	33	96	20	3	9	12	15	20
8	18	22	31	33	33	96	20	3	9	12	15	20
9	18	22	31	33	33	96	20	3	9	12	15	20
10	18	22	31	33	33	96	20	3	9	12	15	20
11	18	22	31	33	33	96	20	3	9	12	15	20
12	18	22	31	33	33	96	20	3	9	12	15	20
13	18	22	31	33	33	96	20	3	9	12	15	20
14	18	22	31	33	33	96	20	3	9	12	15	20
15	18	22	31	33	33	96	20	3	9	12	15	20
16	18	22	33	33	44	11	20	1	9	12	15	20
17	18	22	33	33	44	11	20	1	9	12	15	20
18	18	22	33	33	44	11	20	1	9	12	15	20
19	18	22	33	33	44	11	20	1	9	12	15	20
20	18	22	33	33	44	11	20	1	9	12	15	20
21	18	22	33	33	44	11	20	1	9	12	27	18
22	18	22	33	33	44	11	20	1	9	12	27	18
23	18	22	33	33	44	11	20	1	9	12	27	18
24	18	22	33	33	44	11	20	1	9	12	27	18
25	18	22	33	33	44	11	20	1	9	12	27	18
26	18	22	33	33	44	11	20	1	9	12	27	18
27	18	22	33	33	44	11	20	1	9	12	27	18
28	18	22	33	33	44	11	20	1	9	12	27	18
29	18	....	33	33	44	11	20	1	9	12	27	18
30	18	—	33	33	44	11	20	1	9	12	27	18
31	18	....	33	....	44	....	20	1	....	12	—	18
Mean	18	22	32	33	39	53	20	2	9	12	19	19
Max.	18	22	33	33	44	96	20	3	9	12	27	20
Min.	18	22	31	33	33	11	20	1	9	12	15	18
A. F.	1107	611	1970	1964	2378	3183	1230	121	535	737	1130	1186

Total Acre-feet 16,152

DISCHARGE OF REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE—Sec. 9-1-42 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	62	58	87	75	69	35	16	11	31	30	62	67
2	62	58	87	75	69	35	16	11	31	30	62	67
3	62	58	87	75	69	35	16	11	31	30	62	67
4	62	58	87	75	69	35	16	11	31	30	62	67
5	62	58	87	75	69	35	16	11	31	30	62	67
6	62	58	87	75	69	35	16	11	31	30	62	67
7	62	58	87	75	69	35	16	11	31	30	62	67
8	62	58	87	75	69	35	16	11	31	30	62	67
9	62	58	87	75	69	35	16	11	31	30	62	67
10	62	58	87	75	69	35	16	11	31	30	62	67
11	62	58	87	75	69	46	16	12	31	30	62	67
12	62	58	87	75	69	46	16	12	31	30	62	67
13	62	58	87	75	69	46	16	12	31	30	62	67
14	62	58	87	75	69	46	16	12	31	30	62	67
15	62	58	87	75	69	46	16	12	31	30	62	67
16	62	58	79	70	69	46	16	12	31	50	62	67
17	62	58	79	70	69	46	16	12	31	50	62	67
18	62	58	79	70	69	46	16	12	31	50	62	67
19	62	58	79	70	69	46	16	12	31	50	62	67
20	62	58	79	70	69	46	16	12	31	50	62	67
21	62	58	79	70	69	46	16	17	31	50	62	67
22	62	58	79	70	69	46	16	17	31	50	62	67
23	62	58	79	70	69	46	16	17	31	50	62	67
24	62	58	79	70	69	46	16	17	31	50	62	67
25	62	58	79	70	69	46	16	17	31	50	62	67
26	62	58	79	70	69	46	16	17	31	50	65	67
27	62	58	79	70	69	46	16	17	31	50	65	67
28	62	58	79	70	69	46	16	17	31	50	65	67
29	62	—	79	70	69	46	16	17	31	50	65	67
30	62	—	79	70	69	46	16	17	31	50	65	67
31	62	—	79	—	69	—	16	17	—	50	—	67
Mean	62	58	83	72	69	42	16	13	31	40	62	67
Max.	62	58	87	75	69	46	16	17	31	50	65	67
Min.	62	58	79	70	69	35	16	11	31	30	62	67
A. F.	3812	3221	5095	4314	4243	2519	984	827	1844	2479	3719	4120

Total Acre-feet 37,177

DISCHARGE OF REPUBLICAN RIVER AT SANBORN—Sec. 11-1-42 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	73	73	77	80	54	36	8	14	*	*	65	71
2	73	73	77	80	54	36	8	14	—	—	65	71
3	73	73	77	80	54	36	8	14	—	—	65	71
4	73	73	77	80	54	36	8	14	—	—	65	71
5	73	73	77	80	54	36	8	14	—	—	65	71
6	73	73	77	80	54	36	8	14	—	—	65	71
7	73	73	77	80	54	36	8	14	—	—	65	71
8	73	73	77	80	54	36	8	14	—	—	65	71
9	73	73	77	80	54	36	8	14	—	—	65	71
10	73	73	77	80	54	36	8	14	—	—	65	71
11	73	73	77	65	54	35	8	14	—	—	65	71
12	73	73	77	65	54	35	8	14	—	—	65	71
13	73	73	77	65	54	35	8	14	—	—	65	71
14	73	73	77	65	54	35	8	14	—	—	65	71
15	73	73	77	65	54	35	8	14	—	—	65	71
16	73	105	84	65	54	35	8	14	—	—	65	71
17	73	105	84	65	54	35	8	14	—	—	65	71
18	73	105	84	65	54	35	8	14	—	—	65	71
19	73	105	84	65	54	35	8	14	—	—	65	71
20	73	105	84	65	54	35	8	14	—	—	65	71
21	73	105	84	60	54	8	8	21	—	—	65	71
22	73	105	84	60	54	8	8	21	—	—	65	71
23	73	105	84	60	54	8	8	21	—	—	65	71
24	73	105	84	60	54	8	8	21	—	—	65	71
25	73	105	84	60	54	8	8	21	—	—	65	71
26	73	105	84	60	54	8	8	21	—	—	78	71
27	73	105	84	60	54	8	8	21	—	—	78	71
28	73	105	84	60	54	8	8	21	—	—	78	71
29	73	—	84	60	54	8	8	21	—	—	78	71
30	73	—	84	60	54	8	8	21	—	—	78	71
31	73	—	84	—	54	—	8	21	—	—	—	71
Mean	73	88	80	68	54	26	8	16	—	—	67	71
Max.	73	105	84	80	54	36	8	21	—	—	78	71
Min.	73	73	77	60	54	8	8	14	—	—	65	71
A. F.	5792	4879	4957	4066	3320	1567	492	1013	—	—	3997	4365

*No record

DISCHARGE OF REPUBLICAN RIVER, NORTH FORK, AT BENKELMAN—
Sec. 19-1-37 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	120	86	255	*	140	72	29	25	84	*	90	81
2	120	86	255	—	140	72	29	25	84	—	90	81
3	120	86	255	—	140	72	29	25	84	—	90	81
4	120	86	255	—	140	72	29	25	84	—	90	81
5	120	86	255	—	140	72	29	25	84	—	90	81
6	120	86	255	—	140	72	29	58	84	—	90	81
7	120	86	255	—	140	72	29	58	84	—	90	81
8	120	86	255	—	140	72	29	58	84	—	90	81
9	120	86	255	—	140	72	29	58	84	—	90	81
10	120	86	255	—	140	72	29	58	84	—	90	81
11	120	86	255	—	140	87	15	29	84	—	90	81
12	120	86	255	—	140	87	15	29	84	—	90	81
13	120	86	255	—	140	87	15	29	84	—	90	81
14	120	86	255	—	140	87	15	29	84	—	90	81
15	120	86	255	—	140	87	15	29	84	—	90	81
16	120	86	147	—	140	87	3	3	84	—	90	81
17	120	86	147	—	140	87	3	3	84	—	90	81
18	120	86	147	—	140	87	3	3	84	—	90	81
19	120	86	147	—	140	87	3	3	84	—	90	81
20	120	86	147	—	140	87	3	3	84	—	90	81
21	120	86	147	—	140	56	3	3	84	—	90	81
22	120	86	147	—	140	56	3	3	84	—	90	81
23	120	86	147	—	140	56	3	3	84	—	90	81
24	120	86	147	—	140	56	3	3	84	—	90	81
25	120	86	147	—	140	56	3	3	84	—	90	81
26	120	86	147	—	140	56	3	27	84	—	240	81
27	120	86	147	—	140	56	3	27	84	—	240	81
28	120	86	147	—	140	56	3	27	84	—	240	81
29	120	—	147	—	140	56	3	27	84	—	240	81
30	120	—	147	—	140	56	3	27	84	—	240	81
31	120	—	147	—	140	56	3	27	—	—	—	81
Mean	120	86	200	—	140	71	13	25	84	—	115	81
Max.	120	86	255	—	140	87	29	58	84	—	240	81
Min.	120	86	147	—	140	56	3	3	84	—	90	81
A.F.	7378	4776	12252	—	8608	4264	819	1491	4998	—	6843	4980

*No record

DISCHARGE OF REPUBLICAN RIVER, SOUTH FORK, AT BENKELMAN—
Sec. 19-1-37 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	53	45	88	*	65	50	58	24	26	*	24	50
2	53	45	88	—	65	50	58	24	26	—	24	50
3	53	45	88	—	65	50	58	24	26	—	24	50
4	53	45	88	—	65	50	58	24	26	—	24	50
5	53	45	88	—	65	50	58	24	26	—	24	50
6	53	45	88	—	65	50	25	24	26	—	24	50
7	53	45	88	—	65	50	25	24	26	—	24	50
8	53	45	88	—	65	50	25	24	26	—	24	50
9	53	45	88	—	65	50	25	24	26	—	24	50
10	53	45	88	—	65	50	25	24	26	—	24	50
11	53	45	88	—	65	46	1	24	26	—	24	34
12	53	45	88	—	65	46	1	24	26	—	24	34
13	53	45	88	—	65	46	1	24	26	—	24	34
14	53	45	88	—	65	46	1	24	26	—	24	34
15	53	45	88	—	65	46	1	24	26	—	24	34
16	53	45	70	—	65	46	1	1	26	—	24	34
17	53	45	70	—	65	46	1	1	26	—	24	34
18	53	45	70	—	65	46	1	1	26	—	24	34
19	53	45	70	—	65	46	1	1	26	—	24	34
20	53	45	70	—	65	46	1	1	26	—	24	34
21	53	45	70	—	65	58	1	1	26	—	24	34
22	53	45	70	—	65	58	1	1	26	—	24	34
23	53	45	70	—	65	58	1	1	26	—	24	34
24	53	45	70	—	65	58	1	1	26	—	24	34
25	53	45	70	—	65	58	1	1	26	—	24	34
26	53	45	70	—	65	58	1	1	26	—	50	34
27	53	45	70	—	65	58	1	1	26	—	50	34
28	53	45	70	—	65	58	1	1	26	—	50	34
29	53	—	70	—	65	58	1	1	26	—	50	34
30	53	—	70	—	65	58	1	1	26	—	50	34
31	53	—	70	—	65	—	1	1	—	—	—	34
Mean	53	45	79	—	65	51	14	12	26	—	28	39
Max.	53	45	88	—	65	58	58	24	26	—	50	50
Min.	53	45	70	—	65	46	1	1	26	—	24	34
A.F.	3259	2499	4840	—	3997	3054	865	746	1547	—	1686	2408

*No record

DISCHARGE OF REPUBLICAN RIVER AT CULBERTSON—
Sec. 16 and 17-3-31 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	151	150	200	0	305	226	7	50	89	*	179	178
2	151	150	200	0	305	226	7	50	89	—	179	178
3	151	150	200	0	305	226	7	50	89	—	179	178
4	151	150	200	0	305	226	7	50	89	—	179	178
5	151	150	200	0	305	226	7	50	89	—	179	178
6	151	150	361	0	305	226	7	50	89	—	179	178
7	151	150	361	0	305	226	7	50	89	—	179	178
8	151	150	361	0	305	226	7	50	89	—	179	178
9	151	150	361	0	305	226	7	50	89	—	179	178
10	151	150	361	0	305	226	7	50	89	—	179	178
11	151	113	361	0	305	200	7	50	89	—	179	178
12	151	113	361	0	305	200	7	50	89	—	179	178
13	151	113	361	0	305	200	7	50	89	—	179	178
14	151	113	361	0	305	200	7	50	89	—	179	178
15	151	113	361	0	305	200	7	50	89	—	179	178
16	151	113	361	0	229	150	7	50	89	—	179	178
17	151	113	361	0	229	150	7	50	89	—	179	178
18	151	113	361	0	229	150	7	50	89	—	179	178
19	151	113	361	0	229	150	7	50	89	—	179	178
20	151	113	361	0	229	150	7	50	89	—	179	178
21	151	113	396	0	229	75	7	50	89	—	179	178
22	151	113	396	0	229	75	7	50	89	—	179	178
23	151	113	396	0	229	75	7	50	89	—	179	178
24	151	113	396	0	229	75	7	50	89	—	179	178
25	151	113	396	0	229	75	7	50	89	—	179	178
26	151	113	396	0	229	34	7	50	89	—	179	116
27	151	113	396	0	229	34	7	50	89	—	179	116
28	151	113	396	0	229	34	7	50	89	—	578	116
29	151	.....	396	0	229	34	7	50	89	—	300	116
30	151	.....	396	0	229	34	7	50	89	—	200	116
31	151	.....	396	—	229	—	7	50	—	—	.....	116
Mean	151	126	347	0	265	151	7	50	89	—	193	166
Max.	151	150	396	0	305	226	7	50	89	—	578	178
Min.	151	113	200	0	229	34	7	50	89	—	179	116
A. F.	9285	7009	21364	....	16342	9035	430	3074	5295	—	11724	10207

*No record

DISCHARGE OF REPUBLICAN RIVER AT McCOOK—Sec. 31-3-29 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	334	334	764	*	473	887	39	23	151	*	464	530
2	334	334	764	—	473	887	39	23	151	—	464	530
3	334	334	764	—	473	887	39	23	151	—	464	530
4	334	334	764	—	473	887	39	23	151	—	464	530
5	334	334	764	—	473	887	39	23	151	—	464	530
6	334	334	764	—	473	887	39	23	151	—	464	530
7	334	334	764	—	473	887	39	23	151	—	464	530
8	334	334	764	—	473	887	39	23	151	—	464	530
9	334	334	764	—	473	887	39	23	151	—	464	530
10	334	334	764	—	473	887	39	23	151	—	464	530
11	334	334	764	—	473	887	39	23	151	—	464	460
12	334	334	764	—	473	887	39	23	151	—	464	460
13	334	334	764	—	473	887	39	23	151	—	464	460
14	334	334	764	—	473	887	39	23	151	—	464	460
15	334	334	764	—	473	887	39	23	151	—	464	460
16	334	346	487	—	626	850	39	23	151	—	464	460
17	334	346	487	—	626	800	39	23	151	—	464	460
18	334	346	487	—	626	750	39	23	151	—	464	460
19	334	346	487	—	626	700	39	23	151	—	464	460
20	334	346	487	—	626	650	39	23	151	—	464	460
21	334	346	487	—	626	600	39	0	151	—	530	380
22	334	346	487	—	626	500	39	0	151	—	530	380
23	334	346	487	—	626	400	39	0	151	—	530	380
24	334	346	487	—	626	300	39	0	151	—	530	380
25	334	346	487	—	626	200	39	0	151	—	530	380
26	334	346	487	—	626	100	39	0	151	—	598	300
27	334	346	487	—	626	49	39	0	151	—	598	300
28	334	346	487	—	626	49	39	0	151	—	598	300
29	334	.....	487	—	626	49	39	0	151	—	598	300
30	334	.....	487	—	626	49	39	0	151	—	598	300
31	334	.....	487	—	626	—	39	0	.....	—	.....	300
Mean	334	340	620	—	551	624	39	15	151	—	497	440
Max.	334	334	764	—	626	887	39	23	151	—	598	530
Min.	334	346	487	—	473	49	39	0	151	—	464	300
A. F.	20537	18859	38186	....	33939	38382	2398	912	8985	....	29594	26975

DISCHARGE OF ROCK CREEK—Sec. 21-1-39 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11	11	14	20	9	12	12	14	12	12	13	10
2	11	11	14	20.	9	12	12	14	12	12	13	10
3	11	11	14	20	9	12	12	14	12	12	13	10
4	11	11	14	20	9	12	12	14	12	12	13	10
5	11	11	14	20	9	12	12	14	12	12	13	10
6	11	11	14	20	9	12	12	14	12	12	13	10
7	11	11	14	20	9	12	12	14	12	12	13	10
8	11	11	14	20	9	12	12	14	12	12	13	10
9	11	11	14	20	9	12	12	14	12	12	13	10
10	11	11	14	20	9	12	12	14	12	12	13	10
11	11	24	14	12	9	15	12	11	12	12	13	10
12	11	24	14	12	9	15	12	11	12	12	13	10
13	11	24	14	12	9	15	12	11	12	12	13	10
14	11	24	14	12	9	15	12	11	12	12	13	10
15	11	24	14	12	9	15	12	11	12	12	13	10
16	11	24	20	12	9	15	12	11	12	12	13	10
17	11	24	20	12	9	15	12	11	12	12	13	10
18	11	24	20	12	9	15	12	11	12	12	13	10
19	11	24	20	12	9	15	12	11	12	12	13	10
20	11	24	20	12	9	15	12	11	12	12	13	10
21	11	24	20	9	9	11	12	11	12	12	13	10
22	11	24	20	9	9	11	12	11	12	12	13	10
23	11	24	20	9	9	11	12	11	12	12	13	10
24	11	24	20	9	9	11	12	11	12	12	13	10
25	11	24	20	9	9	11	12	11	12	12	13	10
26	11	24	20	9	9	11	12	11	12	12	13	10
27	11	24	20	9	9	11	12	11	12	12	13	10
28	11	24	20	9	9	11	12	11	12	12	13	10
29	11	—	20	9	9	11	12	11	12	12	13	10
30	11	—	20	9	9	11	12	11	12	12	13	10
31	11	—	20	—	9	—	12	11	....	12	....	10
Mean	11	19	17	13	9	12	12	12	12	12	13	10
Max.	11	24	20	20	9	15	12	14	12	12	13	10
Min.	11	11	14	9	9	11	12	11	12	12	13	10
A.F.	676	1075	1050	812	553	753	738	736	714	738	773	615

Total Acre-feet 9,233

DISCHARGE OF SAND CREEK—Sec. 10-15-40 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4	6	5	6	6	5	4	5	5	5	5	5
2	4	6	5	6	6	5	4	5	5	5	5	5
3	4	6	5	6	6	5	4	5	5	5	5	5
4	4	6	5	6	6	5	4	5	5	5	5	5
5	4	6	5	6	6	5	4	5	5	5	5	5
6	4	6	5	6	6	5	4	7	5	5	5	5
7	4	6	5	6	6	5	4	7	5	5	5	5
8	4	6	5	6	6	5	4	7	5	5	5	5
9	4	6	5	6	6	5	4	7	5	5	5	5
10	4	6	5	6	6	5	4	7	5	5	5	5
11	4	6	5	6	6	5	4	7	5	5	5	5
12	4	6	5	6	6	5	4	7	5	5	5	5
13	4	6	5	6	6	5	4	7	5	5	5	5
14	4	6	5	6	6	5	4	7	5	5	5	5
15	4	6	5	6	6	5	4	7	5	5	5	5
16	4	5	4	6	5	5	6	6	5	5	4	5
17	4	5	4	6	5	5	6	6	5	5	4	5
18	4	5	4	6	5	5	6	6	5	5	4	5
19	4	5	4	6	5	5	6	6	5	5	4	5
20	4	5	4	6	5	5	6	6	5	5	4	5
21	4	5	4	6	5	5	9	6	1	5	4	5
22	4	5	4	6	5	5	9	6	1	5	4	5
23	4	5	4	6	5	5	9	6	1	5	4	5
24	4	5	4	6	5	5	9	6	1	5	4	5
25	4	5	4	6	5	5	9	6	1	5	4	5
26	4	5	4	6	5	4	9	6	1	5	4	5
27	4	5	4	6	5	4	9	6	1	5	4	5
28	4	5	4	6	5	4	9	6	1	5	4	5
29	4	—	4	6	5	4	9	6	1	5	4	5
30	4	—	4	6	5	4	9	6	1	5	4	5
31	4	—	4	—	5	....	9	6	....	5	—	5
Mean	4	5	4	6	5	5	6	6	3	5	4	5
Max.	4	6	5	6	6	5	9	7	5	5	5	5
Min.	4	5	4	6	5	4	4	5	1	5	4	5
A.F.	246	307	276	357	337	295	375	379	218	307	268	307

Total Acre-feet 3,672

DISCHARGE OF SCOTTSBLUFF DRAIN—Sec. 25-22-54 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15	7	8	8	9	15	16	17	24	23	21	16
2	15	7	8	8	9	15	16	17	24	23	21	16
3	15	7	8	8	9	15	16	17	24	23	21	16
4	15	7	8	8	9	15	16	17	24	23	21	16
5	15	7	8	8	9	15	16	17	24	23	21	16
6	15	7	8	8	9	15	16	24	24	23	21	16
7	15	7	8	8	9	15	16	24	24	23	21	16
8	15	7	8	8	9	15	16	24	24	23	21	16
9	15	7	8	8	9	15	16	24	24	23	21	16
10	15	7	8	8	9	15	16	24	24	23	21	16
11	15	14	8	8	9	15	16	24	24	23	21	16
12	15	14	8	8	9	15	16	24	24	23	21	16
13	15	14	8	8	9	15	16	24	24	23	21	16
14	15	14	8	8	9	15	16	24	24	23	21	16
15	15	14	8	8	9	15	16	24	24	23	21	16
16	15	14	8	9	12	15	17	24	23	21	15	19
17	15	14	8	9	12	15	17	24	23	21	15	19
18	15	14	8	9	12	15	17	24	23	21	15	19
19	15	14	8	9	12	15	17	24	23	21	15	19
20	15	14	8	9	12	15	17	24	23	21	15	19
21	15	8	8	9	12	15	17	24	23	21	15	19
22	15	8	8	9	12	15	17	24	23	21	15	19
23	15	8	8	9	12	15	17	24	23	21	15	19
24	15	8	8	9	12	15	17	24	23	21	15	19
25	15	8	8	9	12	15	17	24	23	21	15	19
26	15	8	8	9	12	15	17	24	23	21	15	19
27	15	8	8	9	12	15	17	24	23	21	15	19
28	15	8	8	9	12	15	17	24	23	21	15	19
29	15	—	8	9	12	15	17	24	23	21	15	19
30	15	—	8	9	12	15	17	24	23	21	15	19
31	15	—	8	....	12	....	17	24	—	21	—	19
Mean	15	10	8	8	7	15	16	23	23	22	18	18
Max.	15	14	8	9	12	15	17	24	24	23	21	19
Min.	15	7	8	8	9	15	16	17	23	21	15	16
A.F.	922	543	492	506	459	892	916	1406	1446	1351	1071	1079

Total Acre-feet 11,074

DISCHARGE OF SHEEP CREEK—Sec. 21-23-57 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	77	81	76	82	80	85	4	6	10	117	124	94
2	77	81	76	82	80	85	4	6	10	117	124	94
3	77	81	76	82	80	85	4	6	10	117	124	94
4	77	81	76	82	80	85	4	6	10	117	124	94
5	77	81	76	82	80	85	4	6	10	117	124	94
6	77	81	76	82	80	85	4	10	10	117	124	94
7	77	81	76	82	80	85	4	10	10	117	124	94
8	77	81	76	82	80	85	4	10	10	117	124	94
9	77	81	76	82	80	85	4	10	10	117	124	94
10	77	81	76	82	80	85	4	10	10	117	124	94
11	77	81	76	82	80	85	4	10	10	117	124	94
12	77	81	76	82	80	85	4	10	10	117	124	94
13	77	81	76	82	80	85	4	10	10	117	124	94
14	77	81	76	82	80	85	4	10	114	117	124	94
15	77	81	76	82	80	85	4	10	114	117	124	94
16	83	81	80	82	81	85	4	10	114	117	120	88
17	83	81	80	82	81	85	4	10	114	117	120	88
18	83	81	80	82	81	85	4	10	114	117	120	88
19	83	81	80	82	81	85	4	10	114	117	120	88
20	83	81	80	82	81	85	4	10	114	117	120	88
21	83	81	80	82	81	85	4	10	114	117	120	88
22	83	81	80	82	81	85	4	10	114	117	120	88
23	83	81	80	82	81	85	4	10	114	117	120	88
24	83	81	80	82	81	4	4	10	114	117	120	88
25	83	81	80	82	81	4	4	10	114	117	120	88
26	83	81	80	82	81	4	4	10	114	117	100	88
27	83	81	80	82	81	4	4	10	114	117	100	88
28	83	81	80	82	81	4	4	10	114	117	100	88
29	83	—	80	82	81	4	4	10	114	117	100	88
30	83	—	80	82	81	4	4	10	114	117	100	88
31	83	—	80	—	81	—	4	10	.....	117	.....	88
Mean	80	81	78	82	80	66	4	9	68	117	118	91
Max.	83	81	80	82	81	85	4	10	114	117	124	94
Min.	77	81	76	82	80	4	4	6	10	117	100	88
A.F.	4925	4498	4800	4879	4951	3933	246	575	4102	7194	7061	5589

Total Acre-feet 52,752

DISCHARGE OF SILVERNAIL DRAIN—Sec. 6-19-49 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6	5	3	6	5	7	12	12	12	10	10	8
2	6	5	3	6	5	7	12	12	12	10	10	8
3	6	5	3	6	5	7	12	12	12	10	10	8
4	6	5	3	6	5	7	12	12	12	10	10	8
5	6	5	3	6	5	7	12	12	12	10	10	8
6	6	5	3	8	5	7	12	12	20	10	10	8
7	6	5	3	8	5	7	12	12	20	10	10	8
8	6	5	3	8	5	7	12	12	20	10	10	8
9	6	5	3	8	5	7	12	12	20	10	10	8
10	6	5	3	8	5	7	12	12	20	10	10	8
11	6	5	6	8	5	7	12	12	20	10	8	12
12	6	5	6	8	5	7	12	12	20	10	8	12
13	6	5	6	8	5	7	12	12	20	10	8	12
14	6	5	6	8	5	7	12	12	20	10	8	12
15	6	5	6	8	5	7	12	12	20	10	8	12
16	9	8	6	8	5	13	12	12	20	10	8	12
17	9	8	6	8	5	13	12	12	20	10	8	12
18	9	8	6	8	5	13	12	12	20	10	8	12
19	9	8	6	8	5	13	12	12	20	10	8	12
20	9	8	6	8	5	13	12	12	20	10	8	12
21	9	8	6	8	7	10	23	12	20	10	6	12
22	9	8	6	8	7	10	23	12	20	10	6	12
23	9	8	6	8	7	10	23	12	20	10	6	12
24	9	8	6	8	7	10	23	12	20	10	6	12
25	9	8	6	8	7	10	23	12	20	10	6	12
26	9	3	6	5	7	10	12	12	10	10	6	12
27	9	3	6	5	7	10	12	12	10	10	6	12
28	9	3	6	5	7	10	12	12	10	10	6	12
29	9	—	6	5	7	10	12	12	10	10	6	12
30	9	—	6	5	7	10	12	12	10	10	6	12
31	9	—	6	....	7	....	12	12	—	10	—	12
Mean	8	6	5	6	6	9	14	12	17	10	8	10
Max.	9	8	6	8	7	13	23	12	20	10	10	12
Min.	6	3	3	5	5	7	12	12	10	10	6	8
A.F.	476	325	309	438	351	535	847	738	1011	615	476	658

Total Acre-feet 6,779

DISCHARGE OF SKUNK CREEK—Sec. 1-14-37 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	5	6	5	3	2	0.6	*	*	2	4	3
2	3	5	6	5	3	2	.6	—	—	2	4	3
3	3	5	6	5	3	2	.6	—	—	2	4	3
4	3	5	6	5	3	2	.6	—	—	2	4	3
5	3	5	6	5	3	2	.6	—	—	2	4	3
6	3	5	6	5	3	2	.6	—	—	2	4	3
7	3	5	6	5	3	2	.6	—	—	2	4	3
8	3	5	6	5	3	2	.6	—	—	2	4	3
9	3	5	6	5	3	2	.6	—	—	2	4	3
10	3	5	6	5	3	2	.6	—	—	2	4	3
11	3	5	6	5	3	2	.6	—	—	2	4	3
12	3	5	6	5	3	2	.6	—	—	2	4	3
13	3	5	6	5	3	2	.6	—	—	2	4	3
14	3	5	6	5	3	2	.6	—	—	2	4	3
15	3	5	6	5	3	2	.6	—	—	2	4	3
16	3	5	5	5	3	2	.6	—	.....	2	3	3
17	3	5	5	5	3	2	.6	—	.....	2	3	3
18	3	5	5	5	3	2	.6	—	.....	2	3	3
19	3	5	5	5	3	2	.6	—	.....	2	3	3
20	3	5	5	5	3	2	.6	—	.....	2	3	3
21	3	5	5	5	3	2	.6	—	.....	2	3	3
22	3	5	5	5	3	2	.6	—	.....	2	3	3
23	3	5	5	5	3	2	.6	—	.....	2	3	3
24	3	5	5	5	3	2	.6	—	.....	2	3	3
25	3	5	5	5	3	2	.6	—	.....	2	3	3
26	3	5	5	5	3	2	.6	—	.....	2	3	3
27	3	5	5	5	3	2	.6	—	.....	2	3	3
28	3	5	5	5	3	2	.6	—	.....	2	3	3
29	3	—	5	5	3	2	.6	—	—	2	3	3
30	3	—	5	5	3	2	.6	—	—	2	3	3
31	3	....	5	....	3	—	.6	—	—	2	—	3
Mean	3	5	5	5	3	2	0.6	—	—	2	3	3
Max.	3	5	6	5	3	2	.6	—	—	2	4	3
Min.	3	5	5	5	3	2	.6	—	—	2	3	3
A.F.	184	277	337	297	184	119	38	—	—	123	208	184

*No record

DISCHARGE OF SNELL AND NINE MILE DRAIN—Sec. 25-21-53 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	91	175	125	110	98	128	159	185	195	196	170	111
2	91	175	125	110	98	128	159	185	195	196	170	111
3	91	175	125	110	98	128	159	185	195	196	170	111
4	91	175	125	110	98	128	159	185	195	196	170	111
5	91	175	125	110	98	128	159	185	195	196	170	111
6	91	175	125	110	98	128	159	195	195	196	170	111
7	91	175	125	110	98	128	159	195	195	196	170	111
8	91	175	125	110	98	128	159	195	195	196	170	111
9	91	175	125	110	98	128	159	195	195	196	170	111
10	91	175	125	110	98	128	159	195	195	196	170	111
11	91	175	110	110	98	134	159	195	195	196	150	111
12	91	175	110	110	98	134	159	195	195	196	150	111
13	91	175	110	110	98	134	159	195	195	196	150	111
14	91	175	110	110	98	134	159	195	195	196	150	111
15	91	175	110	110	98	134	159	195	195	196	150	111
16	91	125	110	98	128	134	170	195	195	196	150	147
17	91	125	110	98	128	134	170	195	195	196	150	147
18	91	125	110	98	128	134	170	195	195	196	150	147
19	91	125	110	98	128	134	170	195	195	196	150	147
20	91	125	110	98	128	134	170	195	195	196	150	147
21	91	125	110	98	128	134	170	195	195	170	125	147
22	91	125	110	98	128	134	170	195	195	170	125	147
23	91	125	110	98	128	134	170	195	195	170	125	147
24	91	125	110	98	128	134	170	195	195	170	125	147
25	91	125	110	98	128	134	170	195	195	170	125	147
26	91	125	110	98	128	134	170	195	195	170	125	147
27	91	125	110	98	128	134	170	195	195	170	125	147
28	91	125	110	98	128	134	170	195	195	170	125	147
29	91	.....	110	98	128	134	170	195	195	170	125	147
30	91	.....	110	98	128	134	170	195	195	170	125	147
31	91	.....	110	.....	128	.....	170	195	.....	170	.....	147
Mean	91	152	115	104	115	132	165	193	195	187	148	129
Max.	91	175	125	110	128	134	170	195	195	196	170	147
Min.	91	125	110	98	98	128	159	185	195	170	125	111
A. F.	5595	8430	7061	6188	6978	7855	10126	11891	11603	11484	8826	7968

Total Acre-feet 104,005

DISCHARGE OF SPOTTED TAIL CREEK, DRY—Sec. 28-23-56 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28	30	23	29	40	114	70	90	92	67	50	37
2	28	30	23	29	40	114	70	90	92	67	50	37
3	28	30	23	29	40	114	70	90	92	67	40	37
4	28	30	23	29	40	114	70	90	92	67	40	37
5	28	30	23	29	40	114	70	90	92	67	40	37
6	28	30	23	29	40	114	70	78	92	67	50	37
7	28	30	23	29	40	114	70	78	92	67	50	37
8	28	30	23	29	40	114	70	78	92	67	50	37
9	28	30	23	29	40	114	70	78	92	67	50	37
10	28	30	23	29	40	114	70	78	92	67	50	37
11	28	30	23	35	40	100	78	78	116	67	50	37
12	28	30	23	35	40	100	78	78	116	67	50	37
13	28	30	23	35	40	100	78	78	116	67	50	37
14	28	30	23	35	40	100	78	78	116	67	50	37
15	28	30	23	35	40	100	78	78	116	67	50	37
16	30	25	29	35	40	100	78	92	116	67	45	36
17	30	25	29	35	40	100	78	92	116	67	45	36
18	30	25	29	35	40	100	78	92	116	67	45	36
19	30	25	29	35	40	100	78	92	116	67	45	36
20	30	25	29	35	40	100	78	92	116	67	45	36
21	30	25	29	40	70	85	90	92	90	67	45	36
22	30	25	29	40	70	85	90	92	90	67	45	36
23	30	25	29	40	70	85	90	92	90	67	45	36
24	30	25	29	40	70	85	90	92	90	67	45	36
25	30	25	29	40	70	85	90	92	90	67	45	36
26	30	25	29	40	70	85	90	92	90	67	45	36
27	30	25	29	40	70	85	90	92	90	67	45	36
28	30	25	29	40	70	85	90	92	90	67	45	36
29	30	—	29	40	70	85	90	92	90	67	45	36
30	30	—	29	40	70	85	90	92	90	67	45	36
31	30	—	29	—	70	....	90	92	—	67	—	36
Mean	29	28	26	34	51	99	80	87	99	67	47	36
Max.	30	30	29	40	70	114	90	92	116	67	50	37
Min.	28	25	23	29	40	85	70	78	90	67	45	36
A. F.	1785	1537	1604	2063	3114	5930	4899	5359	5910	4120	2826	2243

Total Acre-feet 41,390

DISCHARGE OF SPOTTED TAIL CREEK, WET AND KRONBERG SEEP—
Sec. 1-22-56 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13	13	8	19	14	10	17	14	16	19	16	11
2	13	13	8	19	14	10	17	14	16	19	16	11
3	13	13	8	19	14	10	17	14	16	19	16	11
4	13	13	8	19	14	10	17	14	16	19	16	11
5	13	13	8	19	14	10	17	14	16	19	16	11
6	13	13	8	19	14	10	17	14	16	19	16	11
7	13	13	8	19	14	10	17	14	16	19	16	11
8	13	13	8	19	14	10	17	14	16	19	16	11
9	13	13	8	19	14	10	17	14	16	19	16	11
10	13	13	8	19	14	10	17	14	16	19	16	11
11	13	19	8	19	14	12	17	14	16	19	16	11
12	13	19	8	19	14	12	17	14	16	19	16	11
13	13	19	8	19	14	12	17	14	16	19	16	11
14	13	19	8	19	14	12	17	14	16	19	16	11
15	13	19	8	19	14	12	17	14	16	19	16	11
16	12	19	19	14	10	12	17	14	16	19	16	25
17	12	19	19	14	10	12	17	14	16	19	16	25
18	12	19	19	14	10	12	17	14	16	19	16	25
19	12	19	19	14	10	12	17	14	16	19	16	25
20	12	19	19	14	10	12	17	14	16	19	16	25
21	12	19	19	14	10	14	17	14	19	19	16	25
22	12	19	19	14	10	14	17	14	19	19	16	25
23	12	19	19	14	10	14	17	14	19	19	16	25
24	12	19	19	14	10	14	17	14	19	19	16	25
25	12	19	19	14	10	14	17	14	19	19	16	25
26	12	19	19	14	10	14	17	14	19	19	16	25
27	12	19	19	14	10	14	17	14	19	19	16	25
28	12	19	19	14	10	14	17	14	19	19	16	25
29	12	....	19	14	10	14	17	14	19	19	16	25
30	12	....	19	14	10	14	17	14	19	19	16	25
31	12	—	19	—	10	—	17	14	—	19	—	25
Mean	12	20	13	16	12	12	17	14	17	19	16	18
Max.	13	19	19	19	14	14	17	14	19	19	16	25
Min.	12	13	8	14	10	10	17	14	16	19	16	11
A.F.	768	1125	841	982	734	714	1045	861	1011	1168	952	1121

Total Acre-feet 11,322

DISCHARGE OF STEWARTS DRAIN—Sec. 13-23-57 W.
Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2	1	2	1	1	0	0	0	0	1	1	2
2	2	1	2	1	1	0	0	0	0	1	1	2
3	2	1	2	1	1	0	0	0	0	1	1	2
4	2	1	2	1	1	0	0	0	0	1	1	2
5	2	1	2	1	1	0	0	0	0	1	1	2
6	2	1	2	1	1	0	0	0	0	1	1	2
7	2	1	2	1	1	0	0	0	0	1	1	2
8	2	1	2	1	1	0	0	0	0	1	1	2
9	2	1	2	1	1	0	0	0	0	1	1	2
10	2	1	2	1	1	0	0	0	0	1	1	2
11	2	1	2	1	1	0	0	0	0	1	1	2
12	2	1	2	1	1	0	0	0	0	1	1	2
13	2	1	2	1	1	0	0	0	0	1	1	2
14	2	1	2	1	1	0	0	0	0	1	1	2
15	2	1	2	1	1	0	0	0	0	1	1	2
16	2	1	1	1	1	0	0	0	0	1	1	3
17	2	1	1	1	1	0	0	0	0	1	1	3
18	2	1	1	1	1	0	0	0	0	1	1	3
19	2	1	1	1	1	0	0	0	0	1	1	3
20	2	1	1	1	0	0	0	0	0	1	1	3
21	2	1	1	1	0	0	0	0	0	1	1	3
22	2	1	1	1	0	0	0	0	0	1	1	3
23	2	1	1	1	0	0	0	0	0	1	1	3
24	2	1	1	1	0	0	0	0	0	1	1	3
25	2	1	1	1	0	0	0	0	0	1	1	3
26	2	1	1	1	0	0	0	0	0	1	1	3
27	2	1	1	1	0	0	0	0	0	1	1	3
28	2	1	1	1	0	0	0	0	0	1	1	3
29	2	....	1	1	0	0	0	0	0	1	1	3
30	2	....	1	1	0	0	0	0	0	1	1	3
31	2	—	1	—	0	....	0	0	—	1	—	3
Mean	2	1	2	1	1	0	0	0	0	1	1	2
Max.	2	1	1	1	1	0	0	0	0	1	1	3
Min.	2	1	1	1	0	0	0	0	0	1	1	2
A.F.	123	111	91	59	38	0	0	0	0	61	60	154

Total Acre-feet 697

DISCHARGE OF STINKING WATER CREEK—Sec. 25-5-34 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49	49	78	78	53	41	22	22	22	22	50	46
2	49	49	78	78	53	41	22	22	22	22	50	46
3	49	49	78	78	53	41	22	22	22	22	50	46
4	49	49	78	78	53	41	22	22	22	22	50	46
5	49	49	78	78	53	41	22	22	22	22	50	46
6	49	49	78	78	53	41	22	20	22	22	50	46
7	49	49	78	78	53	41	22	20	22	22	50	46
8	49	49	78	78	53	41	22	20	22	22	50	46
9	49	49	78	78	53	41	22	20	22	22	50	46
10	49	49	78	78	53	41	22	20	22	22	50	46
11	49	49	78	60	53	41	22	20	22	35	50	46
12	49	49	78	60	53	208	22	20	22	35	50	46
13	49	49	78	60	53	150	22	20	22	35	50	46
14	49	49	78	60	53	100	22	20	22	35	50	46
15	49	49	78	60	53	50	22	20	22	35	50	46
16	49	16	78	60	41	25	22	20	22	35	50	46
17	49	16	78	60	41	25	22	20	22	35	50	46
18	49	16	78	60	41	25	22	20	22	35	50	46
19	49	16	78	60	41	25	22	20	22	35	50	46
20	49	16	78	60	41	25	22	20	22	35	50	46
21	49	40	78	53	41	25	22	20	22	50	48	31
22	49	40	78	53	41	25	22	20	22	50	48	31
23	49	40	78	53	41	25	22	20	22	50	48	31
24	49	40	78	53	41	25	22	20	22	50	48	31
25	49	40	78	53	41	25	22	20	22	50	48	31
26	49	40	78	53	41	25	22	20	22	50	48	31
27	49	40	78	53	41	25	22	20	22	50	48	31
28	49	40	78	53	41	25	22	20	22	50	48	31
29	49	—	78	53	41	25	22	20	22	50	48	31
30	49	—	78	53	41	25	22	20	22	50	48	31
31	49	....	78	—	41	—	22	20	—	50	—	31
Mean	49	40	78	63	47	44	22	20	22	36	49	40
Max.	49	49	78	78	53	208	22	22	22	50	50	46
Min.	49	16	78	53	41	25	22	20	22	22	48	31
A. F.	3013	2251	4796	3788	2878	2646	1353	1250	1309	2221	2935	2501

Total Acre-feet 30,941

DISCHARGE OF TOOHEY DRAIN—Sec. 20-23-56 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2	2	2	5	4	2	3	6	5	4	8	4
2	2	2	2	5	4	2	3	6	5	4	8	4
3	2	2	2	5	4	2	3	6	5	4	8	4
4	2	2	2	5	4	2	3	6	5	4	8	4
5	2	2	2	5	4	2	3	6	5	4	8	4
6	2	2	2	5	4	2	3	6	5	4	8	4
7	2	2	2	5	4	2	3	6	5	4	8	4
8	2	2	2	5	4	2	3	6	5	4	8	4
9	2	2	2	5	4	2	3	6	5	4	8	4
10	2	2	2	5	4	2	3	6	5	4	8	4
11	2	2	2	5	4	3	3	6	5	4	6	4
12	2	2	2	5	4	3	3	6	5	4	6	4
13	2	2	2	5	4	3	3	6	5	4	6	4
14	2	2	2	5	4	3	3	6	5	4	6	4
15	2	2	2	5	4	3	3	6	5	4	6	4
16	1	2	5	4	2	3	4	6	5	4	6	5
17	1	2	5	4	2	3	4	6	5	4	6	5
18	1	2	5	4	2	3	4	6	5	4	6	5
19	1	2	5	4	2	3	4	6	5	4	6	5
20	1	2	5	4	2	3	4	6	5	4	6	5
21	1	2	5	4	2	3	4	6	5	4	4	5
22	1	2	5	4	2	3	4	6	5	4	4	5
23	1	2	5	4	2	3	4	6	5	4	4	5
24	1	2	5	4	2	3	4	6	5	4	4	5
25	1	2	5	4	2	3	4	6	5	4	4	5
26	1	2	5	4	2	3	4	6	5	4	4	5
27	1	2	5	4	2	3	4	6	5	4	4	5
28	1	2	5	4	2	3	4	6	5	4	4	5
29	1	—	5	4	2	3	4	6	5	4	4	5
30	1	—	5	4	2	3	4	6	5	4	4	5
31	1	....	5	—	2	—	4	6	—	4	—	5
Mean	2	2	3	4	3	3	3	6	5	4	6	5
Max.	2	2	5	5	4	3	4	6	5	4	8	5
Min.	1	2	2	4	2	2	3	6	5	4	4	4
A. F.	91	111	218	266	182	159	218	369	297	246	357	278

Total Acre-feet 2,793

DISCHARGE OF TOOHEY SPILLWAY—Sec. 19-23-56 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25	16	15	31	13	0	0	0	0	30	25	16
2	25	16	15	31	13	0	0	0	0	30	25	16
3	25	16	15	31	13	0	0	0	0	30	25	16
4	25	16	15	31	13	0	0	0	0	30	25	16
5	25	16	16	31	13	0	0	0	0	30	25	16
6	25	16	15	31	13	0	0	0	0	30	25	16
7	25	16	15	31	13	0	0	0	0	30	25	16
8	25	16	15	31	13	0	0	0	0	30	25	16
9	25	16	15	31	13	0	0	0	0	30	25	16
10	25	16	15	31	13	0	0	0	0	30	25	16
11	25	31	15	20	13	0	0	0	0	30	25	16
12	25	31	15	20	13	0	0	0	0	30	25	16
13	25	31	15	20	13	0	0	0	0	30	25	16
14	25	31	15	20	13	0	0	0	0	30	25	16
15	25	31	15	20	13	0	0	0	0	30	25	16
16	16	31	31	20	13	0	0	0	0	30	25	16
17	16	31	31	20	13	0	0	0	0	30	25	16
18	16	31	31	20	0	0	0	0	0	30	25	16
19	16	31	31	20	0	0	0	0	0	30	25	16
20	16	31	31	20	0	0	0	0	0	30	25	16
21	16	31	31	15	0	0	0	0	0	30	25	21
22	16	31	31	15	0	0	0	0	0	30	25	21
23	16	31	31	15	0	0	0	0	0	30	25	21
24	16	31	31	15	0	0	0	0	0	30	25	21
25	16	31	31	15	0	0	0	0	0	30	25	21
26	16	31	31	15	0	0	0	0	0	30	25	21
27	16	31	31	15	0	0	0	0	0	30	25	21
28	16	31	31	15	0	0	0	0	0	30	25	21
29	16	....	31	15	0	0	0	0	0	30	25	21
30	16	....	31	15	0	0	0	0	0	30	25	21
31	16	....	31	....	0	....	0	0	....	30	....	21
Mean	20	26	23	22	7	0	0	0	0	30	25	19
Max.	25	31	31	31	13	0	0	0	0	30	25	21
Min.	16	16	15	15	0	0	0	0	0	30	25	16
A.F.	1251	1424	1430	1309	438	0	0	0	0	1844	1487	1142

Total Acre-feet 10,325

DISCHARGE OF TUB SPRINGS—Sec. 8-22-55 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43	36	34	32	16	44	29	43	23	89	69	71
2	43	36	34	32	16	44	29	43	23	89	69	71
3	43	36	34	32	16	44	29	43	23	89	69	71
4	43	36	34	32	16	44	29	43	23	89	69	71
5	43	36	34	32	16	44	29	43	23	89	69	71
6	43	36	34	32	16	44	29	23	23	89	69	71
7	43	36	34	32	16	44	29	23	23	89	69	71
8	43	36	34	32	16	44	29	23	23	89	69	71
9	43	36	34	32	16	44	29	23	23	89	69	71
10	43	36	34	32	16	44	29	23	23	89	69	71
11	43	34	32	20	16	63	29	23	40	89	69	71
12	43	34	32	20	16	63	29	23	40	89	69	71
13	43	34	32	20	16	63	29	23	40	89	69	71
14	43	34	32	20	16	63	29	23	40	89	69	71
15	43	34	32	20	16	63	29	23	40	89	69	71
16	34	34	32	20	16	63	29	23	40	89	69	51
17	34	34	32	20	16	63	29	23	40	89	69	51
18	34	34	32	20	16	63	29	23	40	89	69	51
19	34	34	32	20	16	63	29	23	40	89	69	51
20	34	34	32	20	16	63	29	23	40	89	69	51
21	34	34	32	18	44	63	43	23	60	89	69	51
22	34	34	32	18	44	63	43	23	60	89	69	51
23	34	34	32	18	44	63	43	23	60	89	69	51
24	34	34	32	18	44	63	43	23	60	89	69	51
25	34	34	32	18	44	63	43	23	60	89	69	51
26	34	34	32	18	44	63	61	23	60	89	69	51
27	34	34	32	18	44	63	61	23	60	89	69	51
28	34	34	32	18	44	63	61	23	60	89	69	51
29	34	....	32	18	44	63	61	23	60	89	69	51
30	34	....	32	18	44	63	61	23	60	89	69	51
31	34	....	32	....	44	....	61	23	....	89	....	51
Mean	38	35	32	23	26	56	37	26	41	89	69	60
Max.	43	36	34	32	44	63	61	43	60	89	69	71
Min.	34	34	32	18	16	44	29	23	23	89	69	51
A.F.	2358	1928	2007	1388	1595	3372	2303	1612	2440	5472	4106	3731

Total Acre-feet 32,312

DISCHARGE OF WHITE HORSE CREEK—Sec. 5-13-29 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17	17	37	32	12	13	9	5	11	8	12	21
2	17	17	37	32	12	13	9	5	11	8	12	21
3	17	17	37	32	12	13	9	5	11	8	12	21
4	17	17	37	32	12	13	9	5	11	8	12	21
5	17	17	37	32	12	13	9	5	11	8	12	21
6	17	17	37	32	12	13	9	5	11	8	12	21
7	17	17	37	32	12	13	9	5	11	8	12	21
8	17	17	37	32	12	13	9	5	11	8	12	21
9	17	17	37	32	12	13	9	5	11	8	12	21
10	17	17	37	32	12	13	9	5	11	8	12	21
11	17	17	37	32	12	13	9	5	11	8	12	21
12	17	17	37	32	12	13	9	5	11	8	12	21
13	17	17	37	32	12	13	9	5	11	8	12	21
14	17	17	37	32	12	13	9	5	11	8	12	21
15	17	17	37	32	12	13	9	5	11	8	12	21
16	13	17	40	20	12	8	9	5	8	10	12	21
17	13	17	40	20	12	8	9	5	8	10	12	21
18	13	17	40	20	12	8	9	5	8	10	12	21
19	13	17	40	20	12	8	9	5	8	10	12	21
20	13	17	40	20	12	8	9	5	8	10	12	21
21	13	17	40	20	12	8	9	18	8	10	8	21
22	13	17	40	20	12	8	9	18	8	10	8	21
23	13	17	40	20	12	8	9	18	8	10	8	21
24	13	17	40	20	12	8	9	18	8	10	8	21
25	13	17	40	20	12	8	9	18	8	10	8	21
26	13	17	40	20	12	8	9	28	8	10	8	21
27	13	17	40	20	12	8	9	28	8	10	8	21
28	13	17	40	20	12	8	9	28	8	10	8	21
29	13	—	40	20	13	8	9	28	8	10	8	21
30	13	—	40	20	13	8	9	28	8	10	8	21
31	13	—	40	—	13	—	9	28	—	10	—	21
Mean	15	17	39	26	12	10	9	11	9	9	10	21
Max.	17	17	40	32	13	13	9	28	11	10	12	21
Min.	13	17	37	20	12	8	9	5	8	8	8	21
A. F.	918	944	2370	1547	738	625	553	710	565	555	635	1291

Total Acre-feet 11,451

DISCHARGE OF WHITE RIVER ABOVE WHITNEY RESERVOIR—

Sec. 26-32-52 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35	*	76	*	68	61	*	*	25	20	*	42
2	35	—	76	—	68	61	—	—	25	20	—	42
3	35	—	76	—	68	61	—	—	25	20	—	42
4	35	—	76	—	68	61	—	—	25	20	—	42
5	35	—	76	—	68	61	—	—	25	20	—	42
6	35	—	76	—	68	61	—	—	25	20	—	42
7	35	—	76	—	68	61	—	—	25	20	—	42
8	35	—	76	—	68	61	—	—	25	20	—	42
9	35	—	76	—	68	61	—	—	25	20	—	42
10	35	—	76	—	68	61	—	—	25	20	—	42
11	35	—	76	—	68	61	—	—	25	20	—	42
12	35	—	76	—	68	61	—	—	25	20	—	42
13	35	—	76	—	68	61	—	—	25	20	—	42
14	35	—	76	—	68	61	—	—	25	20	—	42
15	35	—	76	—	68	61	—	—	25	20	—	42
16	35	—	76	—	61	29	—	—	25	20	—	42
17	35	—	76	—	61	29	—	—	25	20	—	42
18	35	—	76	—	61	29	—	—	25	20	—	42
19	35	—	76	—	61	29	—	—	25	20	—	42
20	35	—	76	—	61	29	—	—	25	20	—	42
21	35	—	76	—	61	29	—	—	25	20	—	42
22	35	—	76	—	61	29	—	—	25	20	—	42
23	35	—	76	—	61	29	—	—	25	20	—	42
24	35	—	76	—	61	29	—	—	25	20	—	42
25	35	—	76	—	61	29	—	—	25	20	—	42
26	35	—	76	—	61	29	—	—	25	20	—	42
27	35	—	76	—	61	29	—	—	25	20	—	42
28	35	—	76	—	61	29	—	—	25	20	—	42
29	35	—	76	—	61	29	—	—	25	20	—	42
30	35	—	76	—	61	29	—	—	25	20	—	42
31	35	—	76	—	61	—	—	—	—	20	—	42
Mean	35	—	76	—	63	45	—	—	25	20	—	42
Max.	35	—	76	—	68	61	—	—	25	20	—	42
Min.	35	—	76	—	61	29	—	—	25	20	—	42
A. F.	2152	—	4563	—	3840	2678	—	—	1488	1230	—	2582

*No record

DISCHARGE OF WHITE RIVER WEST OF CHADRON—Sec. 18-33-49 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11	*	99	*	72	50	*	*	36	26	*	18
2	11	—	99	....	72	50	—	—	36	26	—	18
3	11	—	99	....	72	50	—	—	36	26	—	18
4	11	—	99	....	72	50	—	—	36	26	—	18
5	11	—	99	....	72	50	—	—	36	26	—	18
6	11	—	99	....	72	50	—	—	36	26	—	18
7	11	—	99	....	72	50	—	—	36	26	—	18
8	11	—	99	....	72	50	—	—	36	26	—	18
9	11	—	99	....	72	50	—	—	36	26	—	18
10	11	—	99	....	72	50	—	—	36	26	—	18
11	11	—	99	....	72	23	—	—	36	26	—	18
12	11	—	99	....	72	23	—	—	36	26	—	18
13	11	—	99	....	72	23	—	—	36	26	—	18
14	11	—	99	....	72	23	—	—	36	26	—	18
15	11	—	99	....	72	23	—	—	36	26	—	18
16	11	—	99	....	72	23	—	—	36	26	—	18
17	11	—	99	....	72	23	—	—	36	26	—	18
18	11	—	99	....	72	23	—	—	36	26	—	18
19	11	—	99	....	72	23	—	—	36	26	—	18
20	11	—	99	....	72	23	—	—	36	26	—	18
21	11	—	99	....	72	23	—	—	36	26	—	18
22	11	—	99	....	72	23	—	—	36	26	—	18
23	11	—	99	....	72	23	—	—	36	26	—	18
24	11	—	99	....	72	23	—	—	36	26	—	18
25	11	—	99	....	72	23	—	—	36	26	—	18
26	11	—	99	—	80	23	....	—	36	26	—	18
27	11	—	99	—	90	23	....	—	36	26	—	18
28	11	—	99	....	100	23	—	—	36	26	—	18
29	11	—	99	....	103	23	—	—	36	26	—	18
30	11	—	99	—	75	23	....	—	36	26	—	18
31	11	....	99	—	50	—	—	—	—	26	....	18
Mean	11	—	99	—	74	32	....	—	36	26	—	18
Max.	11	—	99	—	103	50	—	....	36	26	—	18
Min.	11	—	99	...	50	23	—	—	36	26	—	18
A. F.	676	—	6087	—	4558	1904	—	....	2142	1599	—	1107

*No record

DISCHARGE OF WHITE TAIL CREEK—Sec. 36-15-38 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33	29	28	38	35	27	14	30	34	30	35	35
2	33	29	28	38	35	27	14	30	34	30	35	35
3	33	29	28	38	35	27	14	30	34	30	35	35
4	33	29	28	38	35	27	14	30	34	30	35	35
5	33	29	28	38	35	27	14	30	34	30	35	35
6	33	29	28	38	35	27	14	30	34	30	35	35
7	33	29	28	38	35	27	14	30	34	30	35	35
8	33	29	28	38	35	27	14	30	34	30	35	35
9	33	29	28	38	35	27	14	30	34	30	35	35
10	33	29	28	38	35	27	14	30	34	30	35	35
11	33	29	28	38	30	27	16	30	34	30	35	35
12	33	29	28	38	30	27	16	30	34	30	35	35
13	33	29	28	38	30	27	16	30	34	30	35	35
14	33	29	28	38	30	27	16	30	34	30	35	35
15	33	29	28	38	30	27	16	30	34	30	35	35
16	29	28	34	35	30	14	16	32	34	30	35	35
17	29	28	34	35	30	14	16	32	34	30	35	35
18	29	28	34	35	30	14	16	32	34	30	35	35
19	29	28	34	35	30	14	16	32	34	30	35	35
20	29	28	34	35	30	14	16	32	34	30	35	35
21	29	28	34	35	30	14	30	32	34	30	35	35
22	29	28	34	35	30	14	30	32	34	30	35	35
23	29	28	34	35	30	14	30	32	34	30	35	35
24	29	28	34	35	30	14	30	32	34	30	35	35
25	29	28	34	35	30	14	30	32	34	30	35	35
26	29	28	34	35	30	14	30	32	34	30	35	35
27	29	28	34	35	30	14	30	32	34	30	35	35
28	29	28	34	35	30	14	30	32	34	30	35	35
29	29	....	34	35	30	14	30	32	34	30	35	35
30	29	....	34	35	30	14	30	32	34	30	35	35
31	29	—	34	.....	30	.....	30	32	.....	30	.....	35
Mean	31	28	31	36	32	20	20	31	34	30	35	35
Max.	33	29	34	38	35	27	30	32	34	30	35	35
Min.	29	28	28	35	30	14	14	30	34	30	35	35
A. F.	1902	1585	1912	2172	1943	1220	1250	1908	2023	1844	2083	2152

Total Acre-feet 21,994

DISCHARGE OF WILD HORSE DRAIN—Sec. 1-20-52 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30	24	24	25	22	35	30	65	95	65	35	38
2	30	24	24	25	22	35	30	65	95	65	35	38
3	30	24	24	25	22	35	30	65	95	65	35	38
4	30	24	24	25	22	35	30	65	95	65	35	38
5	30	24	24	25	22	35	30	65	95	65	35	38
6	30	24	24	25	22	35	30	65	95	55	35	38
7	30	24	24	25	22	35	30	65	95	55	35	38
8	30	24	24	25	22	35	30	65	95	55	35	38
9	30	24	24	25	22	35	30	65	95	55	35	38
10	30	24	24	25	22	35	30	65	95	55	35	38
11	30	24	31	25	22	35	30	84	100	55	35	38
12	30	24	31	25	22	35	30	84	100	55	35	38
13	30	24	31	25	22	35	30	84	100	55	35	38
14	30	24	31	25	22	35	30	84	100	55	35	38
15	30	24	31	25	22	35	30	84	100	55	35	38
16	30	22	31	22	28	35	30	84	100	40	30	50
17	30	22	31	22	28	35	30	84	100	40	30	50
18	30	22	31	22	28	35	30	84	100	40	30	50
19	30	22	31	22	28	35	30	84	100	40	30	50
20	30	22	31	22	28	35	30	84	100	40	30	50
21	30	22	31	22	28	35	45	95	75	40	30	50
22	30	22	31	22	28	35	45	95	75	40	30	50
23	30	22	31	22	28	35	45	95	75	40	30	50
24	30	22	31	22	28	35	45	95	75	40	30	50
25	30	22	31	22	28	35	45	95	75	40	30	50
26	30	22	31	22	28	35	45	95	75	40	30	50
27	30	22	31	22	28	35	45	95	75	40	30	50
28	30	22	31	22	28	35	45	95	75	40	30	50
29	30	.....	31	22	28	35	45	95	75	40	30	50
30	30	.....	31	22	28	35	45	95	75	40	30	50
31	30	.....	31	.....	28	.....	45	95	.....	40	.....	50
Mean	30	23	28	23	25	35	35	82	90	49	32	44
Max.	30	24	31	25	28	35	45	95	100	65	35	50
Min.	30	22	24	22	22	35	30	65	75	40	30	38
A. F.	1844	1280	1767	1398	1543	2083	2172	5028	5355	3005	1934	2717

Total Acre-feet 30,135

DISCHARGE OF WILLOW CREEK AT SARBEN—Sec. 15-14-35 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2	2	2	1	2	1	1	1	2	1	1	1
2	2	2	2	1	2	1	1	1	2	1	1	1
3	2	2	2	1	2	1	1	1	2	1	1	1
4	2	2	2	1	2	1	1	1	2	1	1	1
5	2	2	2	1	2	1	1	1	2	1	1	1
6	2	2	2	1	2	1	1	1	2	1	1	1
7	2	2	2	1	2	1	1	1	2	1	1	1
8	2	2	2	1	2	1	1	1	2	1	1	1
9	2	2	2	1	2	1	1	1	2	1	1	1
10	2	2	2	1	2	1	1	1	2	1	1	1
11	2	2	2	1	2	1	1	1	2	1	1	1
12	2	2	2	1	2	1	1	1	2	1	1	1
13	2	2	2	1	2	1	1	1	2	1	1	1
14	2	2	2	1	2	1	1	1	2	1	1	1
15	2	2	2	1	2	1	1	1	2	1	1	1
16	1	2	2	3	2	1	1	1	1	1	2	1
17	1	2	2	3	2	1	1	1	1	1	2	1
18	1	2	2	3	2	1	1	1	1	1	2	1
19	1	2	2	3	2	1	1	1	1	1	2	1
20	1	2	2	3	2	1	1	1	1	1	2	1
21	1	2	2	3	2	1	1	1	1	1	2	1
22	1	2	2	3	2	1	1	1	1	1	2	1
23	1	2	2	3	2	1	1	1	1	1	2	1
24	1	2	2	3	2	1	1	1	1	1	2	1
25	1	2	2	3	2	1	1	1	1	1	2	1
26	1	2	2	3	2	1	1	1	1	1	2	1
27	1	2	2	3	2	1	1	1	1	1	2	1
28	1	2	2	3	2	1	1	1	1	1	2	1
29	1	.....	2	3	2	1	1	1	1	1	2	1
30	1	.....	2	3	2	1	1	1	1	1	2	1
31	1	.....	2	.....	2	.....	1	1	.....	1	.....	1
Mean	1	2	2	2	2	1	1	1	1	1	1	1
Max.	2	2	2	3	2	1	1	1	2	1	2	1
Min.	1	2	2	1	2	1	1	1	1	1	1	1
A. F.	91	111	123	119	123	60	61	61	89	61	89	61

Total Acre-feet 1,108

DISCHARGE OF WINTERS CREEK—Sec. 19-22-54 W.

Year of 1929

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34	55	56	56	47	15	28	70	57	92	87	68
2	34	55	56	56	47	15	28	70	57	92	87	68
3	34	55	56	56	47	15	28	70	57	92	87	68
4	34	55	56	56	47	15	28	70	57	92	87	68
5	34	55	56	56	47	15	28	70	57	92	87	68
6	34	55	56	56	47	15	28	95	57	92	87	68
7	34	55	56	56	47	15	28	95	57	92	87	68
8	34	55	56	56	47	15	28	95	57	92	87	68
9	34	55	56	56	47	15	28	95	57	92	87	68
10	34	55	56	56	47	15	28	95	57	92	87	68
11	34	54	56	56	47	15	60	41	70	92	87	68
12	34	54	56	56	47	15	60	41	70	92	87	68
13	34	54	56	56	47	15	60	95	70	92	87	68
14	34	54	56	56	47	15	60	95	70	92	87	68
15	34	54	56	56	47	15	60	95	70	92	87	68
16	34	54	56	47	32	15	102	95	70	92	87	55
17	34	54	56	47	32	15	102	95	70	92	87	55
18	34	54	56	47	32	15	102	95	70	92	87	55
19	34	54	56	47	32	15	102	95	70	92	87	55
20	34	54	56	47	32	15	102	95	70	92	87	55
21	34	54	56	47	32	15	102	57	80	92	87	55
22	34	54	56	47	32	15	102	57	80	92	87	55
23	34	54	56	47	32	15	102	57	80	92	87	55
24	34	54	56	47	32	15	102	57	80	92	87	55
25	34	54	56	47	32	15	102	57	80	92	87	55
26	34	54	56	47	32	15	102	57	80	92	87	55
27	34	54	56	47	32	15	102	57	80	92	87	55
28	34	54	56	47	32	15	102	57	80	92	87	55
29	34	.....	56	47	32	15	102	57	80	92	87	55
30	34	.....	56	47	32	15	102	57	80	92	87	55
31	34	.....	56	.....	32	.....	102	57	.....	92	.....	55
Mean	34	54	56	51	40	15	68	74	69	92	87	61
Max.	34	55	56	56	47	15	102	95	80	92	87	68
Min.	34	54	56	47	32	15	28	41	57	92	87	55
A. F.	2091	3019	3443	3064	2414	892	4185	4550	4106	5657	5177	3767

Total Acre-feet 42,365

DISCHARGE OF ARICKAREE RIVER—Sec. 28-1-41 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29	68	10	12	25	75	26	33	18	16	8	28
2	29	68	10	12	25	85	26	33	18	16	8	28
3	29	68	10	12	25	100	26	33	18	16	8	28
4	29	68	10	12	25	100	26	33	18	16	8	28
5	29	68	10	12	25	120	26	33	18	16	8	28
6	29	68	10	12	25	120	26	33	18	16	8	28
7	29	68	10	12	25	120	26	33	18	16	8	28
8	29	68	10	12	25	120	26	33	18	16	8	28
9	29	68	10	12	25	120	26	33	18	16	8	28
10	29	68	10	12	25	120	26	33	18	16	8	28
11	29	68	10	10	51	120	16	35	18	16	10	28
12	29	68	10	10	51	120	16	35	18	16	10	28
13	29	68	10	10	51	120	16	35	18	16	10	28
14	29	68	10	10	51	120	16	35	18	16	10	28
15	29	68	10	10	51	120	16	35	18	16	10	28
16	29	40	12	10	51	75	16	35	19	16	10	28
17	29	40	12	10	51	75	16	35	19	16	10	28
18	29	40	12	10	51	75	16	35	19	16	10	28
19	29	40	12	10	51	75	16	35	19	16	10	28
20	29	40	12	10	51	75	16	35	19	16	10	28
21	29	19	12	8	51	26	20	20	19	16	10	28
22	29	19	12	8	51	26	20	20	19	16	10	28
23	29	19	12	8	51	26	20	20	19	16	10	28
24	29	19	12	8	51	26	20	20	19	16	10	28
25	29	19	12	8	51	26	20	20	19	16	10	28
26	29	19	12	10	51	26	20	7	19	16	10	28
27	29	19	12	20	51	26	20	7	19	16	10	28
28	29	19	12	25	51	26	20	7	19	16	10	28
29	29	.....	12	25	51	26	20	7	19	16	10	28
30	29	.....	12	25	51	26	20	7	19	16	10	28
31	29	.....	12	.....	51	.....	20	7	.....	16	.....	28
Mean	29	49	11	12	43	77	21	26	18	16	9	28
Max.	29	68	12	25	51	120	26	35	19	16	10	28
Min.	29	19	10	8	25	26	16	7	18	16	8	28
A. F.	1783	2721	678	724	2620	4592	1269	1630	1101	984	555	1722

Total Acre-feet 20,379

DISCHARGE OF BAYARD SUGAR FACTORY DRAIN—Sec. 34-21-52 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40	39	39	30	40	45	55	65	75	84	70	54
2	40	39	39	30	40	45	55	65	75	84	70	54
3	40	39	39	30	40	45	55	65	75	84	70	54
4	40	39	39	30	40	45	55	65	75	84	70	54
5	40	39	39	30	40	45	55	65	75	84	70	54
6	40	39	39	30	40	45	55	65	75	84	70	54
7	40	39	39	30	40	45	55	65	75	84	70	54
8	40	39	39	30	40	45	55	65	75	84	70	54
9	40	39	39	30	40	45	55	65	75	84	70	54
10	40	39	39	30	40	45	55	65	75	84	70	54
11	40	39	39	35	40	45	55	75	75	84	70	54
12	40	39	39	35	40	45	55	75	75	84	70	54
13	40	39	39	35	40	45	55	75	75	84	70	54
14	40	39	39	35	40	45	55	75	75	84	70	54
15	40	39	39	35	40	45	55	75	75	84	70	54
16	40	39	29	35	46	50	55	75	75	84	77	54
17	40	39	29	35	46	50	55	75	75	84	77	54
18	40	39	29	35	46	50	55	75	75	84	77	54
19	40	39	29	35	46	50	55	75	75	84	77	54
20	40	39	29	35	46	50	55	75	75	84	77	54
21	40	39	29	40	46	50	55	51	75	62	77	54
22	40	39	29	40	46	50	55	51	75	62	77	54
23	40	39	29	40	46	50	55	51	75	62	77	54
24	40	39	29	40	46	50	55	51	75	62	77	54
25	40	39	29	40	46	50	55	51	75	62	77	54
26	40	39	29	40	46	50	55	51	75	62	77	54
27	40	39	29	40	46	50	55	51	75	62	77	54
28	40	39	29	40	46	50	55	51	75	62	77	54
29	40	—	29	40	46	50	55	51	75	62	77	54
30	40	—	29	40	46	50	55	51	75	62	77	54
31	40	—	29	—	46	—	55	51	....	62	—	54
Mean	40	39	34	35	43	47	55	63	75	76	73	54
Max.	40	39	39	40	46	50	55	75	75	84	77	54
Min.	40	39	29	30	40	45	55	51	75	62	70	54
A. F.	2459	2166	2081	2083	2650	2826	3382	3890	4463	4685	4374	3320

Total Acre-feet 38,379

DISCHARGE OF BIRDWOOD CREEK—Sec. 2-14-33 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	222	215	184	173	161	190	155	167	170	170	194	190
2	222	215	184	173	161	190	155	170	170	200	194	190
3	222	215	184	173	161	190	155	180	170	268	194	190
4	222	215	184	173	161	190	155	191	170	200	194	190
5	222	215	184	173	161	190	155	137	170	180	194	190
6	222	215	184	173	161	190	179	131	170	170	194	190
7	222	215	184	173	161	190	179	148	170	170	194	190
8	222	215	184	173	161	190	179	160	170	170	194	190
9	222	215	184	173	161	190	179	175	170	170	194	190
10	222	215	184	173	161	190	179	175	170	170	194	190
11	222	215	184	173	161	190	129	177	170	200	194	190
12	222	215	184	173	161	190	140	177	170	850	194	190
13	222	215	184	173	161	190	150	177	170	600	194	190
14	222	215	184	173	161	190	159	177	170	300	194	190
15	222	215	184	173	161	190	159	177	170	170	194	190
16	134	200	184	191	180	190	158	177	168	170	194	190
17	134	200	184	191	180	190	170	177	168	170	194	190
18	134	200	184	191	180	250	183	177	168	170	194	190
19	134	200	184	191	180	500	170	177	168	170	194	190
20	134	200	184	191	180	400	160	177	168	170	194	190
21	134	200	184	191	180	250	153	173	168	180	194	190
22	134	200	184	191	180	200	153	173	168	180	194	190
23	134	200	184	191	180	200	153	173	168	180	194	190
24	134	200	184	191	180	200	153	173	168	180	194	190
25	134	200	184	191	180	200	153	173	168	180	194	190
26	134	200	184	191	180	200	147	173	168	180	194	190
27	134	200	184	191	180	200	147	173	168	180	194	190
28	134	200	184	191	180	200	161	173	168	180	194	190
29	134	.....	184	191	180	200	161	173	168	180	194	190
30	134	.....	184	191	180	200	161	173	168	180	194	190
31	134	.....	184	.....	180	.....	161	173	.....	180	.....	190
Mean	177	207	184	182	171	214	159	171	169	219	194	190
Max.	222	215	184	191	180	500	183	191	170	850	194	190
Min.	134	200	184	173	161	190	129	131	168	170	194	190
A. F.	10858	11554	11314	10830	10503	12754	9818	10526	10056	13523	11544	11683

Total Acre-feet 134,963

DISCHARGE OF BLUE CREEK—Sec. 30-16-42 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70	104	130	115	115	113	18	5	93	100	128	123
2	70	104	130	115	115	113	18	5	93	100	128	123
3	70	104	130	115	190	113	18	5	93	150	128	123
4	70	104	130	115	130	113	18	5	93	200	128	123
5	70	104	130	115	120	113	18	5	93	150	128	123
6	70	104	126	115	115	113	18	5	93	120	128	123
7	70	104	126	115	115	113	18	5	93	100	128	123
8	70	104	126	115	115	113	18	5	93	100	128	123
9	70	104	126	115	115	113	18	5	93	100	128	123
10	70	104	126	115	250	113	18	5	93	100	128	123
11	70	138	126	104	300	113	14	25	60	100	128	123
12	70	138	126	104	200	113	14	25	60	100	128	123
13	70	138	126	120	150	113	14	25	60	100	128	123
14	70	138	126	120	115	113	14	25	60	100	128	123
15	70	138	126	130	140	113	14	25	60	100	128	123
16	104	138	126	150	150	50	34	44	60	113	130	123
17	104	138	126	192	150	25	34	44	60	113	130	123
18	104	138	126	150	190	1	34	44	60	113	130	123
19	104	138	126	150	150	1	34	44	60	113	130	123
20	104	138	126	150	120	1	34	44	60	113	130	123
21	104	130	126	120	115	1	67	44	31	113	130	123
22	104	130	126	120	115	1	67	44	31	113	130	123
23	104	130	126	120	115	1	67	44	31	113	130	123
24	104	130	126	120	115	1	67	44	31	113	130	123
25	104	130	126	150	115	1	67	44	150	113	130	123
26	104	130	126	120	115	1	67	93	130	113	130	123
27	104	130	126	120	115	1	67	93	115	113	130	123
28	104	130	126	120	115	1	67	93	100	113	130	123
29	104	.....	126	120	115	1	67	93	100	113	130	123
30	104	.....	126	120	115	1	67	93	100	113	130	123
31	104	.....	126	.....	115	.....	67	93	.....	113	.....	123
Mean	88	123	127	125	139	59	37	38	72	114	129	123
Max.	104	138	130	192	300	113	67	93	150	200	130	123
Min.	70	104	126	104	115	1	14	5	31	100	128	123
A. F.	5383	6863	7787	7438	8549	3536	2294	2327	4659	6998	7676	7563

Total Acre-feet 71,073

DISCHARGE OF BUFFALO CREEK AT JENKINS RANCH—Sec. 20-1-40 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13	13	17	14	10	9	10	14	10	12	13	14
2	13	13	17	14	10	9	10	14	10	12	13	14
3	13	13	17	14	10	9	10	14	10	12	13	14
4	13	13	17	14	10	9	10	14	10	12	13	14
5	13	13	17	14	10	9	10	14	10	12	13	14
6	13	13	17	14	10	9	10	14	10	12	13	14
7	13	13	17	14	10	9	10	14	10	12	13	14
8	13	13	17	14	10	9	10	14	10	12	13	14
9	13	13	17	14	10	9	10	14	10	12	13	14
10	13	13	17	14	10	9	10	14	10	12	13	14
11	13	13	17	14	10	9	10	17	10	12	11	14
12	13	13	17	14	10	9	10	17	10	12	11	14
13	13	13	17	14	10	9	10	17	10	12	11	14
14	13	13	17	14	10	9	10	17	10	12	11	14
15	13	13	17	14	10	9	10	17	10	12	11	14
16	13	9	14	19	15	6	10	17	11	12	11	14
17	13	9	14	19	15	6	10	17	11	12	11	14
18	13	9	14	19	15	6	10	17	11	12	11	14
19	13	9	14	19	15	6	10	17	11	12	11	14
20	13	9	14	19	15	6	10	17	11	12	11	14
21	13	9	14	19	15	6	10	10	11	12	14	14
22	13	9	14	19	15	6	10	10	11	12	14	14
23	13	9	14	19	15	6	10	10	11	12	14	14
24	13	9	14	19	15	6	10	10	11	12	14	14
25	13	9	14	19	15	6	10	10	11	12	14	14
26	13	9	14	19	15	6	10	10	11	12	14	14
27	13	9	14	19	15	6	10	10	11	12	14	14
28	13	9	14	19	15	6	10	10	11	12	14	14
29	13	—	14	19	15	6	10	10	11	12	14	14
30	13	—	14	19	15	6	10	10	11	12	14	14
31	13	—	14	—	15	....	10	10	....	12	—	14
Mean	13	11	15	16	12	7	10	13	11	12	13	14
Max.	13	13	17	19	15	9	10	17	11	12	14	14
Min.	13	9	14	14	10	6	10	10	10	12	11	14
A. F.	799	619	950	982	773	446	615	833	625	738	754	861

Total Acre-feet 8,995

DISCHARGE OF CAMP CLARK SEEP—Sec. 9-20-51 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4	5	5	2	2	2	4	4	6	6	5	6
2	4	5	5	2	2	2	4	4	6	6	5	6
3	4	5	5	2	2	2	4	4	6	6	5	6
4	4	5	5	2	2	2	4	4	6	6	5	6
5	4	5	5	2	2	2	4	4	6	6	5	6
6	4	5	5	2	2	2	4	4	6	6	5	6
7	4	5	5	2	2	2	4	4	6	6	5	6
8	4	5	5	2	2	2	4	4	6	6	5	6
9	4	5	5	2	2	2	4	4	6	6	5	6
10	4	5	5	2	2	2	4	4	6	6	5	6
11	4	5	5	2	2	2	4	4	6	6	5	6
12	4	5	5	2	2	2	4	4	6	6	5	6
13	4	5	5	2	2	2	4	4	6	6	5	6
14	4	5	5	2	2	2	4	4	6	6	5	6
15	4	5	5	2	2	2	4	4	6	6	5	6
16	4	5	5	2	1	4	4	4	6	6	5	6
17	4	5	5	2	1	4	4	4	6	6	5	6
18	4	5	5	2	1	4	4	4	6	6	5	6
19	4	5	5	2	1	4	4	4	6	6	5	6
20	4	5	5	2	1	4	4	4	6	6	5	6
21	4	5	5	2	1	4	4	8	6	3	5	6
22	4	5	5	2	1	4	4	8	6	3	5	6
23	4	5	5	2	1	4	4	8	6	3	5	6
24	4	5	5	2	1	4	4	8	6	3	5	6
25	4	5	5	2	1	4	4	8	6	3	5	6
26	4	5	5	2	1	4	4	8	6	3	5	6
27	4	5	5	2	1	4	4	8	6	3	5	6
28	4	5	5	2	1	4	4	8	6	3	5	6
29	4	—	5	2	1	4	4	8	6	3	5	6
30	4	—	5	2	1	4	4	8	6	3	5	6
31	4	—	5	—	1	—	4	8	—	3	—	6
Mean	4	5	5	2	1	3	4	5	6	5	5	6
Max.	4	5	5	2	2	4	4	8	6	6	5	6
Min.	4	5	5	2	1	2	4	4	6	3	5	6
A.F.	246	278	307	123	91	178	246	333	369	303	297	369

Total Acre-feet 3,140

DISCHARGE OF CEDAR CREEK—Sec. 11-18-48 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15	22	19	14	14	12	12	12	12	19	12	18
2	15	22	19	14	14	12	12	12	12	19	12	18
3	15	22	19	14	14	12	12	12	12	19	12	18
4	15	22	19	14	14	12	12	12	12	19	12	18
5	15	22	19	14	14	12	12	12	12	19	12	18
6	15	22	19	14	14	12	12	12	12	19	12	18
7	15	22	19	14	14	12	12	12	12	19	12	18
8	15	22	19	14	14	12	12	12	12	19	12	18
9	15	22	19	14	14	12	12	12	12	19	12	18
10	15	22	19	14	14	12	12	12	12	19	12	18
11	15	22	19	14	4	12	12	12	12	19	12	18
12	15	22	19	14	4	12	12	12	12	19	12	18
13	15	22	19	14	4	12	12	12	12	19	12	18
14	15	22	19	14	4	12	12	12	12	19	12	18
15	15	22	19	14	4	12	12	12	12	19	12	18
16	20	22	19	14	4	12	12	12	19	12	12	18
17	20	22	19	14	4	12	12	12	19	12	12	18
18	20	22	19	14	4	12	12	12	19	12	12	18
19	20	22	19	14	4	12	12	12	19	12	12	18
20	20	22	19	14	4	12	12	12	19	12	12	18
21	20	22	19	14	8	12	12	12	19	12	12	18
22	20	22	19	14	8	12	12	12	19	12	12	18
23	20	22	19	14	8	12	12	12	19	12	12	18
24	20	22	19	14	8	12	12	12	19	12	12	18
25	20	22	19	14	8	12	12	12	19	12	12	18
26	20	22	19	14	8	12	12	12	19	12	12	18
27	20	22	19	14	8	12	12	12	19	12	12	18
28	20	22	19	14	8	12	12	12	19	12	12	18
29	20	—	19	14	8	12	12	12	19	12	12	18
30	20	—	19	14	8	12	12	12	19	12	12	18
31	20	—	19	—	8	—	12	12	—	12	—	18
Mean	17	22	19	14	9	12	12	12	15	15	12	18
Max.	20	22	19	14	14	12	12	12	19	19	12	18
Min.	15	22	19	14	4	12	12	12	12	12	12	18
A.F.	1081	1222	1168	833	531	714	738	738	922	946	714	1107

Total Acre-feet 10,714

DISCHARGE OF CEDAR BRANCH CREEK—Sec. 17-14-35 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2	3	3	3	3	2	2	2	2	2	2	3
2	2	3	3	3	3	2	2	2	2	2	2	3
3	2	3	3	3	3	2	2	2	2	2	2	3
4	2	3	3	3	3	2	2	2	2	2	2	3
5	2	3	3	3	3	2	2	2	2	2	2	3
6	2	3	3	3	3	2	2	2	2	2	2	3
7	2	3	3	3	3	2	2	2	2	2	2	3
8	2	3	3	3	3	2	2	2	2	2	2	3
9	2	3	3	3	3	2	2	2	2	2	2	3
10	2	3	3	3	3	2	2	2	2	2	2	3
11	2	3	3	3	3	2	2	2	2	2	2	3
12	2	3	3	3	3	2	2	2	2	2	2	3
13	2	3	3	3	3	2	2	2	2	2	2	3
14	2	3	3	3	3	2	2	2	2	2	2	3
15	2	3	3	3	3	2	2	2	2	2	2	3
16	2	3	3	3	3	2	2	2	2	2	2	3
17	2	3	3	3	3	2	2	2	2	2	2	3
18	2	3	3	3	3	2	2	2	2	2	2	3
19	2	3	3	3	3	2	2	2	2	2	2	3
20	2	3	3	3	3	2	2	2	2	2	2	3
21	2	3	3	3	3	2	2	2	2	2	2	3
22	2	3	3	3	3	2	2	2	2	2	2	3
23	2	3	3	3	3	2	2	2	2	2	2	3
24	2	3	3	3	3	2	2	2	2	2	2	3
25	2	3	3	3	3	2	2	2	2	2	2	3
26	2	3	3	3	3	2	2	2	2	2	2	3
27	2	3	3	3	3	2	2	2	2	2	2	3
28	2	3	3	3	3	2	2	2	2	2	2	3
29	2	....	3	3	3	2	2	2	2	2	2	3
30	2	....	3	3	3	2	2	2	2	2	2	3
31	2	....	3	....	3	....	2	2	....	2	....	3
Mean	2	3	3	3	3	2	2	2	2	2	2	3
Max.	2	3	3	3	3	2	2	2	2	2	2	3
Min.	2	3	3	3	3	2	2	2	2	2	2	3
A. F.	123	167	184	178	184	119	123	123	119	123	119	184

Total Acre-feet 1,746

DISCHARGE OF CLEAR CREEK—Sec. 5-15-41 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9	13	11	9	12	13	11	7	13	13	13	10
2	9	13	11	9	12	13	11	7	13	13	13	10
3	9	13	11	9	12	13	11	7	13	13	13	10
4	9	13	11	9	12	13	11	7	13	13	13	10
5	9	13	11	9	12	13	11	7	13	13	13	10
6	9	13	11	9	12	13	11	5	13	13	13	10
7	9	13	11	9	12	13	11	5	13	13	13	10
8	9	13	11	9	12	13	11	5	13	13	13	10
9	9	13	11	9	12	13	11	5	13	13	13	10
10	9	13	11	9	12	13	11	5	13	13	13	10
11	9	13	11	9	12	13	11	5	13	10	13	10
12	9	13	11	9	12	13	11	5	13	10	13	10
13	9	13	11	9	12	13	11	5	13	10	13	10
14	9	13	11	9	12	13	11	5	13	10	13	10
15	9	13	11	9	12	13	11	5	13	10	13	10
16	18	13	11	9	12	17	11	1	13	10	10	10
17	18	13	11	9	12	17	11	1	13	10	10	10
18	18	13	11	9	12	17	11	1	13	10	10	10
19	18	13	11	9	12	17	11	1	13	10	10	10
20	18	13	11	9	12	17	11	1	13	10	10	10
21	18	13	11	9	12	17	11	1	13	10	10	10
22	18	13	11	9	12	17	11	1	13	10	10	10
23	18	13	11	9	12	17	11	1	13	10	10	10
24	18	13	11	9	12	17	0	1	13	10	10	10
25	18	13	11	9	12	17	0	1	13	10	10	10
26	18	13	11	9	12	17	0	12	13	10	10	10
27	18	13	11	9	12	17	0	12	13	10	10	10
28	18	13	11	9	12	17	0	12	13	10	10	10
29	18	....	11	9	12	17	0	12	13	10	10	10
30	18	....	11	9	12	17	0	12	13	10	10	10
31	18	....	11	....	12	....	0	12	....	10	....	10
Mean	14	13	11	9	12	15	8	5	13	11	12	10
Max.	18	13	11	9	12	17	11	12	13	13	13	10
Min.	9	13	11	9	12	13	0	1	13	10	10	10
A. F.	839	611	676	535	738	694	502	331	773	674	694	615

Total Acre-feet 7,682

DISCHARGE OF CLEVELAND DRAIN
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	0	0	3	3	5	5	3	4	6	5	3
2	—	—	—	3	3	5	5	3	4	6	5	3
3	—	—	—	3	3	5	5	3	4	6	5	3
4	—	—	—	3	3	5	5	3	4	6	5	3
5	—	—	—	3	3	5	5	3	4	6	5	3
6	—	—	—	3	3	5	5	3	4	6	5	3
7	—	—	—	3	3	5	5	3	4	6	5	3
8	—	—	—	3	3	5	5	3	4	6	5	3
9	—	—	—	3	3	5	5	3	4	6	5	3
10	—	—	—	3	3	5	5	3	4	6	5	3
11	—	—	—	3	3	5	5	3	4	6	5	3
12	—	—	—	3	3	5	5	3	4	6	5	3
13	—	—	—	3	3	5	5	3	4	6	5	3
14	—	—	—	3	3	5	5	3	4	6	5	3
15	—	—	—	3	3	5	5	3	4	6	5	3
16	—	....	....	3	6	5	3	3	5	6	4	3
17	—	....	....	3	6	5	3	3	5	6	4	3
18	—	....	....	3	6	5	3	3	5	6	4	3
19	—	....	....	3	6	5	3	3	5	6	4	3
20	—	....	....	3	6	5	3	3	5	6	4	3
21	—	....	....	3	6	5	3	3	5	6	4	3
22	—	....	....	3	6	5	3	3	5	6	4	3
23	—	....	....	3	6	5	3	3	5	6	4	3
24	—	....	....	3	6	5	3	3	5	6	4	3
25	—	....	....	3	6	5	3	3	5	6	4	3
26	—	....	....	3	6	5	3	3	5	6	4	3
27	—	....	....	3	6	5	3	3	5	6	4	3
28	—	....	....	3	6	5	3	3	5	6	4	3
29	—	....	....	3	6	5	3	3	5	6	4	3
30	—	....	....	3	6	5	3	3	5	6	4	3
31	—	—	—	—	6	—	3	3	—	6	....	3
Mean	0	0	0	3	4	5	4	3	5	6	4	3
Max.	....	....	—	3	6	5	5	3	5	6	5	3
Min.	—	—	....	3	3	5	3	3	4	6	4	3
A. F.	—	—	—	178	289	297	244	184	268	369	268	184

Total Acre-feet 2,281

DISCHARGE OF COLD WATER CREEK—Sec. 34-18-46 W.
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1	3	3	1	11	7	1	0	3	3	4	5
2	1	3	3	1	11	7	1	0	3	3	4	5
3	1	3	3	1	11	7	1	0	3	3	4	5
4	1	3	3	1	11	7	1	0	3	3	4	5
5	1	3	3	1	11	7	1	0	3	3	4	5
6	1	3	3	1	11	7	1	0	3	3	4	5
7	1	3	3	1	11	7	1	0	3	3	4	5
8	1	3	3	1	11	7	1	0	3	3	4	5
9	1	3	3	1	11	7	1	0	3	3	4	5
10	1	3	3	1	11	7	1	0	3	3	4	5
11	2	3	3	1	7	7	0	0	3	3	4	5
12	2	3	3	1	7	7	0	0	3	3	4	5
13	2	3	3	1	7	7	0	0	3	3	4	5
14	2	3	3	1	7	7	0	0	3	3	4	5
15	2	3	3	1	7	7	0	0	3	3	4	5
16	2	3	3	1	7	1	0	3	3	5	4	5
17	2	3	3	1	7	1	0	3	3	5	4	5
18	2	3	3	1	7	1	0	3	3	5	4	5
19	2	3	3	1	7	1	0	3	3	5	4	5
20	2	3	3	1	7	1	0	3	3	5	4	5
21	2	3	3	1	7	1	0	3	3	5	4	5
22	2	3	3	1	7	1	0	3	3	5	4	5
23	2	3	3	1	7	1	0	3	3	5	4	5
24	2	3	3	1	7	1	0	3	3	5	4	5
25	2	3	3	1	7	1	0	3	3	5	4	5
26	2	3	3	1	7	1	0	3	3	5	4	5
27	2	3	3	1	7	1	0	3	3	5	4	5
28	2	3	3	1	7	1	0	3	3	5	4	5
29	2	—	3	1	7	1	0	3	3	5	4	5
30	2	—	3	1	7	1	0	3	3	5	4	5
31	2	—	3	—	7	—	0	3	—	5	—	5
Mean	1	3	3	1	8	4	0.3	1.5	3	4	4	5
Max.	2	3	3	1	11	7	1	3	3	5	4	5
Min.	1	3	3	1	7	1	0	0	3	3	4	5
A. F.	83	166	184	59	510	248	20	95	179	238	238	307

Total Acre-feet 2,327

DISCHARGE OF DAWSON COUNTY DRAIN—Sec. 13-9-21 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14	6	17	13	9	54	28	22	21	25	21	24
2	14	6	17	13	9	54	26	22	21	25	21	24
3	14	6	17	13	9	54	26	22	21	25	21	24
4	14	6	17	13	9	54	26	22	21	25	21	24
5	14	6	17	13	9	54	26	22	21	25	21	24
6	14	6	17	13	9	54	26	22	21	25	21	24
7	14	6	17	13	9	54	26	22	21	25	21	24
8	14	6	17	13	9	54	26	22	21	25	21	24
9	14	6	17	13	9	54	26	22	21	25	21	24
10	14	6	17	13	9	54	26	22	21	25	21	24
11	14	6	17	13	9	54	22	22	21	25	21	24
12	14	6	17	13	9	54	22	22	21	25	21	24
13	14	6	17	13	9	54	22	22	21	25	21	24
14	14	6	17	13	9	54	22	22	21	25	21	24
15	14	6	17	13	9	54	22	22	21	25	21	24
16	12	10	13	31	80	38	22	22	21	15	25	24
17	12	10	13	31	80	38	22	22	21	15	25	24
18	12	10	13	31	80	38	22	22	21	15	25	24
19	12	10	13	31	80	38	15	22	21	15	25	24
20	12	10	13	31	80	38	15	22	21	15	25	24
21	12	10	13	31	80	38	15	22	21	15	25	24
22	12	10	13	31	80	38	15	22	21	15	25	24
23	12	10	13	31	80	38	15	22	21	15	25	24
24	12	10	13	31	80	38	15	22	21	15	25	24
25	12	10	13	31	80	38	15	22	21	15	25	24
26	12	10	13	31	80	27	1	22	21	15	25	24
27	12	10	13	31	80	27	1	22	21	15	25	24
28	12	10	13	31	80	27	1	22	21	15	25	24
29	12	—	13	31	80	27	1	22	21	15	25	24
30	12	—	13	31	80	27	1	22	21	15	25	24
31	12	—	12	—	80	—	1	22	—	15	—	24
Mean	13	8	15	22	46	44	17	22	21	20	23	24
Max.	14	10	17	31	80	54	28	22	21	25	25	24
Min.	12	6	13	13	9	27	1	22	21	15	21	24
A.F.	797	436	938	1309	2807	2628	1089	1353	1250	1220	1369	1476

Total Acre-feet 16,672

DISCHARGE OF DUGOUT CREEK, UPPER—Sec. 16-1-15 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1	1	1	5	2	2	1	2	29	16	10	12
2	1	1	1	5	3	2	1	2	29	16	10	12
3	1	1	1	5	3	2	1	2	29	16	10	12
4	1	1	1	5	3	2	1	2	29	16	10	12
5	1	1	1	5	3	2	1	2	29	16	10	12
6	1	1	1	5	3	2	1	2	29	16	10	9
7	1	1	1	5	3	2	1	2	29	16	10	9
8	1	1	1	5	3	2	1	2	29	16	10	9
9	1	1	1	5	3	2	1	2	29	16	10	9
10	1	1	1	5	3	2	1	2	29	16	10	9
11	1	1	1	5	3	2	2	13	29	16	10	6
12	1	1	1	5	3	2	2	13	29	16	10	6
13	1	1	1	5	3	2	2	13	29	16	10	6
14	1	1	1	5	3	2	2	13	29	16	10	6
15	1	1	1	5	3	2	2	13	29	16	10	6
16	1	1	1	1	6	2	2	13	29	2	12	6
17	1	1	1	1	6	2	2	13	29	2	12	6
18	1	1	1	1	6	2	2	13	29	2	12	6
19	1	1	1	1	6	2	2	13	29	2	12	6
20	1	1	1	1	6	2	2	13	29	2	12	6
21	1	1	1	1	6	2	2	11	5	2	12	3
22	1	1	1	1	6	2	2	11	5	2	12	3
23	1	1	1	1	6	2	2	11	5	2	12	3
24	1	1	1	1	6	2	2	11	5	2	12	3
25	1	1	1	1	6	2	2	11	5	2	12	3
26	1	1	1	1	6	2	2	11	5	2	12	3
27	1	1	1	1	6	2	2	11	5	2	12	3
28	1	1	1	1	6	2	2	11	5	2	12	3
29	1	—	1	1	6	2	2	11	5	2	12	3
30	1	—	1	1	6	2	2	11	5	2	12	3
31	1	—	1	—	6	—	2	11	—	2	—	3
Mean	1	1	1	3	4	2	2	9	21	9	11	6
Max.	1	1	1	5	6	2	2	13	29	16	12	12
Min.	1	1	1	1	3	2	1	2	5	2	10	3
A.F.	61	55	61	178	280	119	103	537	1250	540	654	393

Total Acre-feet 4,233

DISCHARGE OF FAIRFIELD SEEP—Sec. 18-21-53 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2	5	6	1	10	3	3	3	5	9	3	4
2	2	5	6	1	10	3	3	3	5	9	3	4
3	2	5	6	1	10	3	3	3	5	9	3	4
4	2	5	6	1	10	3	3	3	5	9	3	4
5	2	5	6	1	10	3	3	3	5	9	3	4
6	2	5	6	1	10	3	3	3	5	9	3	4
7	2	5	6	1	10	3	3	3	5	9	3	4
8	2	5	6	1	10	3	3	3	5	9	3	4
9	2	5	6	1	10	3	3	3	5	9	3	4
10	2	5	6	1	10	3	3	3	5	9	3	4
11	2	5	6	5	10	3	3	7	5	9	3	4
12	2	5	6	5	10	3	3	7	5	9	3	4
13	2	5	6	5	10	3	3	7	5	9	3	4
14	2	5	6	5	10	3	3	7	5	9	3	4
15	2	5	6	5	10	3	3	7	5	9	3	4
16	2	5	6	5	10	3	3	7	5	3	2	4
17	2	5	6	5	10	3	3	7	5	3	2	4
18	2	5	6	5	10	3	3	7	5	3	2	4
19	2	5	6	5	10	3	3	7	5	3	2	4
20	2	5	6	5	10	3	3	7	5	3	2	4
21	2	5	6	7	10	3	3	7	5	3	2	4
22	2	5	6	7	10	3	3	7	5	3	2	4
23	2	5	6	7	10	3	3	7	5	3	2	4
24	2	5	6	7	10	3	3	7	5	3	2	4
25	2	5	6	7	10	3	3	7	5	3	2	4
26	2	5	6	7	10	3	3	7	5	3	2	4
27	2	5	6	7	10	3	3	7	5	3	2	4
28	2	5	6	7	10	3	3	7	5	3	2	4
29	2	—	6	7	10	3	3	7	5	3	2	4
30	2	—	6	7	10	3	3	7	5	3	2	4
31	2	—	6	—	10	—	3	7	—	3	—	4
Mean	2	5	6	4	10	3	3	6	5	6	2	4
Max.	2	5	6	7	10	3	3	7	5	9	3	4
Min.	2	5	6	1	10	3	3	3	5	3	2	4
A.F.	123	278	369	258	615	178	184	351	297	363	149	246

Total Acre-feet 3,411

DISCHARGE OF FANNING SEEP—Sec. 28-23-56 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8	4	3	4	6	8	6	14	18	7	8	10
2	8	4	3	4	6	8	6	14	18	7	8	10
3	8	4	3	4	6	8	6	14	18	7	8	10
4	8	4	3	4	6	8	6	14	18	7	8	10
5	8	4	3	4	6	8	6	14	18	7	8	10
6	8	4	3	4	6	8	6	14	18	7	8	10
7	8	4	3	4	6	8	6	14	18	7	8	10
8	8	4	3	4	6	8	6	14	18	7	8	10
9	8	4	3	4	6	8	6	14	18	7	8	10
10	8	4	3	4	6	8	6	14	18	7	8	10
11	8	4	3	4	6	8	6	14	18	7	8	10
12	8	4	3	4	6	8	6	14	18	7	8	10
13	8	4	3	4	6	8	6	14	18	7	8	10
14	8	4	3	4	6	8	6	14	18	7	8	10
15	8	4	3	4	6	8	6	14	18	7	8	10
16	8	4	3	6	8	8	6	14	14	14	8	10
17	8	4	3	6	8	8	6	14	14	14	8	10
18	8	4	3	6	8	8	6	14	14	14	8	10
19	8	4	3	6	8	8	6	14	14	14	8	10
20	8	4	3	6	8	8	6	14	14	14	8	10
21	8	4	3	6	8	8	8	14	14	14	8	10
22	8	4	3	6	8	8	8	14	14	14	8	10
23	8	4	3	6	8	8	8	14	14	14	8	10
24	8	4	3	6	8	8	8	14	14	14	8	10
25	8	4	3	6	8	8	8	14	14	14	8	10
26	8	4	3	6	8	8	8	14	14	14	8	10
27	8	4	3	6	8	8	8	14	14	14	8	10
28	8	4	3	6	8	8	8	14	14	14	8	10
29	8	—	3	6	8	8	8	14	14	14	8	10
30	8	—	3	6	8	8	8	14	14	14	8	10
31	8	—	3	—	8	—	8	14	—	14	—	10
Mean	8	4	3	5	7	8	7	14	16	11	8	10
Max.	8	4	3	6	8	8	8	14	18	14	8	10
Min.	8	4	3	4	6	8	6	14	14	7	8	10
A.F.	492	222	184	297	432	476	412	861	952	652	476	615

Total Acre-feet 6,071

DISCHARGE OF FRENCHMAN RIVER ABOVE MARANVILLE RESERVOIR—
Sec. 10-6-41 W.
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	8	5	5	5	4	3	4	3	7	5	4
2	3	8	5	5	5	4	3	4	3	7	5	4
3	3	8	5	5	5	4	3	4	3	7	5	4
4	3	8	5	5	5	4	3	4	3	7	5	4
5	3	8	5	5	5	4	3	4	3	7	5	4
6	3	8	5	5	5	4	3	4	3	7	5	4
7	3	8	5	5	5	4	3	4	3	7	5	4
8	3	8	5	5	5	4	3	4	3	7	5	4
9	3	8	5	5	5	4	3	4	3	7	5	4
10	3	8	5	5	5	4	3	4	3	7	5	4
11	3	8	5	5	7	7	3	4	3	7	5	4
12	3	8	5	5	7	7	3	4	3	7	5	4
13	3	8	5	5	7	7	3	4	3	7	5	4
14	3	8	5	5	7	7	3	4	3	7	5	4
15	3	8	5	5	7	7	3	4	3	7	5	4
16	3	4	8	5	7	7	6	6	4	4	5	4
17	3	4	8	5	7	7	6	6	4	4	5	4
18	3	4	8	5	7	7	6	6	4	4	5	4
19	3	4	8	5	7	7	6	6	4	4	5	4
20	3	4	8	5	7	7	6	6	4	4	5	4
21	3	4	8	5	4	7	6	6	4	4	5	4
22	3	4	8	5	4	7	6	6	4	4	5	4
23	3	4	8	5	4	7	6	6	4	4	5	4
24	3	4	8	5	4	7	6	6	4	4	5	4
25	3	4	8	5	4	7	6	6	4	4	5	4
26	3	4	8	5	4	7	6	6	4	4	5	4
27	3	4	8	5	4	7	6	6	4	4	5	4
28	3	4	8	5	4	7	6	6	4	4	5	4
29	3	—	8	5	4	7	6	6	4	4	5	4
30	3	—	8	5	4	7	6	6	4	4	5	4
31	3	—	8	—	4	—	6	6	—	4	—	4
Mean	3	6	7	5	5	6	4	5	3	5	5	4
Max.	3	8	8	5	7	7	6	6	4	7	5	4
Min.	3	4	5	5	4	4	3	4	3	4	5	4
A.F.	184	341	403	297	325	357	279	309	208	335	297	246

Total Acre-feet 3,581

DISCHARGE OF FRENCHMAN RIVER BELOW MARANVILLE RESERVOIR—
Sec. 11-6-41 W.
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	2	3	3	1	3	1	2	2	2	5	5
2	3	2	3	3	1	3	1	2	2	2	5	5
3	3	2	3	3	1	3	1	2	2	2	5	5
4	3	2	3	3	1	3	1	2	2	2	5	5
5	3	2	3	3	1	3	1	2	2	2	5	5
6	3	2	3	3	1	3	1	2	2	2	5	5
7	3	2	3	3	1	3	1	2	2	2	5	5
8	3	2	3	3	1	3	1	2	2	2	5	5
9	3	2	3	3	1	3	1	2	2	2	5	5
10	3	2	3	3	1	3	1	2	2	2	5	5
11	3	2	3	7	3	7	1	2	2	7	5	5
12	3	2	3	7	3	7	1	2	2	7	5	5
13	3	2	3	7	3	7	1	2	2	7	5	5
14	3	2	3	7	3	7	1	2	2	7	5	5
15	3	2	3	7	3	7	1	2	2	7	5	5
16	3	4	3	7	3	7	3	2	2	7	5	5
17	3	4	3	7	3	7	3	2	2	7	5	5
18	3	4	3	7	3	7	3	2	2	7	5	5
19	3	4	3	7	3	7	3	2	2	7	5	5
20	3	4	3	7	3	7	3	2	2	7	5	5
21	3	4	3	7	3	7	3	2	2	7	5	5
22	3	4	3	7	3	7	3	2	2	7	5	5
23	3	4	3	7	3	7	3	2	2	7	5	5
24	3	4	3	7	3	7	3	2	2	7	5	5
25	3	4	3	7	3	7	3	2	2	7	5	5
26	3	4	3	7	0	4	3	2	2	7	5	5
27	3	4	3	7	0	4	3	2	2	7	5	5
28	3	4	3	7	0	4	3	2	2	7	5	5
29	3	—	3	7	0	4	3	2	2	7	5	5
30	3	—	3	7	0	4	3	2	2	7	5	5
31	3	—	3	—	0	—	3	2	—	7	—	5
Mean	3	3	3	6	2	5	2	2	2	5	5	5
Max.	3	4	3	7	3	7	3	2	2	7	5	5
Min.	3	2	3	3	0	3	1	2	2	2	5	5
A. F.	184	163	184	351	109	307	125	123	119	331	297	307

Total Acre-feet 2,600

DISCHARGE OF FRENCHMAN RIVER BELOW INMAN CANAL—Sec. 17-6-40 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16	19	23	20	3	11	2	3	14	6	18	26
2	16	19	23	20	3	11	2	3	14	6	18	26
3	16	19	23	20	3	11	2	3	14	6	18	26
4	16	19	23	20	3	11	2	3	14	6	18	26
5	16	19	23	20	3	11	2	3	14	6	18	26
6	16	19	23	20	3	11	2	3	14	6	18	26
7	16	19	23	20	3	11	2	3	14	6	18	26
8	16	19	23	20	3	11	2	3	14	6	18	26
9	16	19	23	20	3	11	2	3	14	6	18	26
10	16	19	23	20	3	11	2	3	14	6	18	26
11	16	19	23	12	7	13	2	3	14	15	18	26
12	16	19	23	12	7	13	2	3	14	15	18	26
13	16	19	23	12	7	13	2	3	14	15	18	26
14	16	19	23	12	7	13	2	3	14	15	18	26
15	16	19	23	12	7	13	2	3	14	15	18	26
16	16	17	20	4	7	13	2	3	6	15	18	26
17	16	17	20	4	7	13	2	3	6	15	18	26
18	16	17	20	4	7	13	2	3	6	15	18	26
19	16	17	20	4	7	13	2	3	6	15	18	26
20	16	17	20	4	7	13	2	3	6	15	18	26
21	16	17	20	4	11	7	2	3	6	24	18	26
22	16	17	20	4	11	7	2	3	6	24	18	26
23	16	17	20	4	11	7	2	3	6	24	18	26
24	16	17	20	4	11	7	2	3	6	24	18	26
25	16	17	20	4	11	7	2	3	6	24	18	26
26	16	17	20	4	11	7	2	3	6	24	18	26
27	16	17	20	4	11	7	2	3	6	24	18	26
28	16	17	20	4	11	7	2	3	6	24	18	26
29	16	—	20	4	11	7	2	3	6	24	18	26
30	16	—	20	4	11	7	2	3	6	24	18	26
31	16	—	20	....	11	....	2	3	—	24	....	26
Mean	16	18	21	10	7	10	2	3	10	15	18	26
Max.	16	19	23	20	11	13	2	3	14	24	18	26
Min.	16	17	20	4	3	7	2	3	6	6	18	26
A. F.	984	1003	1319	635	438	629	123	184	595	940	1071	1599

Total Acre-feet 9,520

DISCHARGE OF FRENCHMAN RIVER ABOVE CHAMPION RESERVOIR—Sec. 22-6-40 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20	27	29	26	10	21	16	9	18	28	24	25
2	20	27	29	26	10	21	16	9	18	28	24	25
3	20	27	29	26	10	21	16	9	18	28	24	25
4	20	27	29	26	10	21	16	9	18	28	24	25
5	20	27	29	26	10	21	16	9	18	28	24	25
6	20	27	29	26	10	21	16	9	18	28	24	25
7	20	27	29	26	10	21	16	9	18	28	24	25
8	20	27	29	26	10	21	16	9	18	28	24	25
9	20	27	29	26	10	21	16	9	18	28	24	25
10	20	27	29	26	10	21	16	9	18	28	24	25
11	20	27	26	13	15	29	16	9	18	28	24	25
12	20	27	26	13	15	29	16	9	18	28	24	25
13	20	27	26	13	15	29	16	9	18	28	24	25
14	20	27	26	13	15	29	16	9	18	28	24	25
15	20	27	26	13	15	29	16	9	18	28	24	25
16	20	40	26	13	15	29	22	16	16	32	24	25
17	20	40	26	13	15	29	22	16	16	32	24	25
18	20	40	26	13	15	29	22	16	16	32	24	25
19	20	40	26	13	15	29	22	16	16	32	24	25
20	20	40	26	13	15	29	22	16	16	32	24	25
21	20	40	26	13	21	29	22	16	16	32	24	25
22	20	40	26	13	21	29	22	16	16	32	24	25
23	20	40	26	13	21	29	22	16	16	32	24	25
24	20	40	26	13	21	29	22	16	16	32	24	25
25	20	40	26	13	21	29	22	16	16	32	24	25
26	20	40	26	13	21	29	22	16	16	32	24	25
27	20	40	26	13	21	29	22	16	16	32	24	25
28	20	40	26	13	21	29	22	16	16	32	24	25
29	20	—	26	13	21	29	22	16	16	32	24	25
30	20	—	26	13	21	29	22	16	16	32	24	25
31	20	—	26	....	21	....	22	16	....	32	—	25
Mean	20	33	27	17	15	26	19	13	17	30	24	25
Max.	20	40	29	26	21	29	22	16	18	32	24	25
Min.	20	27	26	13	10	21	16	9	16	28	24	25
A. F.	1229	1835	1658	1031	954	1567	1174	775	1011	1849	1428	1537

Total Acre-feet 16,057

DISCHARGE OF FRENCHMAN RIVER BELOW CHAMPION DIVERSION

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27	31	21	29	4	21	2	4	10	24	18	18
2	27	31	21	29	4	21	2	4	10	24	18	18
3	27	31	21	29	4	21	2	4	10	24	18	18
4	27	31	21	29	4	21	2	4	10	24	18	18
5	27	31	21	29	4	21	2	4	10	24	18	18
6	27	31	21	18	4	21	2	4	10	24	18	18
7	27	31	21	18	4	21	2	4	10	24	18	18
8	27	31	21	18	4	21	2	4	10	24	18	18
9	27	31	21	18	4	21	2	4	10	24	18	18
10	27	31	21	18	4	21	2	4	10	24	18	18
11	27	31	21	18	16	12	2	4	10	24	18	24
12	27	31	21	18	16	12	2	4	10	24	18	24
13	27	31	21	18	16	12	2	4	10	24	18	24
14	27	31	21	18	16	12	2	4	10	24	18	24
15	27	31	21	18	16	12	2	4	10	24	18	24
16	27	12	29	7	16	12	5	4	10	35	18	24
17	27	12	29	7	16	12	5	4	10	35	18	24
18	27	12	29	7	16	12	5	4	10	35	18	24
19	27	12	29	7	16	12	5	4	10	35	18	24
20	27	12	29	7	16	12	5	4	10	35	18	24
21	27	12	29	7	21	12	5	4	10	35	18	30
22	27	12	29	7	21	12	5	4	10	35	18	30
23	27	12	29	7	21	12	5	4	10	35	18	30
24	27	12	29	7	21	12	5	4	10	35	18	30
25	27	12	29	7	21	12	5	4	10	35	18	30
26	27	12	29	7	21	7	5	4	10	35	18	30
27	27	12	29	7	21	7	5	4	10	35	18	30
28	27	12	29	7	21	7	5	4	10	35	18	30
29	27	....	29	7	21	7	5	4	10	35	18	30
30	27	....	29	7	21	7	5	4	10	35	18	30
31	27	....	29	—	21	—	5	4	....	35	—	30
Mean	27	22	25	14	14	12	4	4	10	30	18	24
Max.	27	31	29	29	21	21	5	4	10	35	18	30
Min.	27	12	21	7	4	7	2	4	10	24	18	18
A. F.	1660	1232	1545	852	854	724	218	246	595	1825	1071	1488

Total Acre-feet 12,310

DISCHARGE OF FRENCHMAN RIVER—SOUTH OF IMPERIAL—Sec. 30-6-38 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63	65	42	66	25	47	26	8	55	39	59	55
2	63	65	42	66	25	47	26	8	55	39	59	55
3	63	65	42	66	25	47	26	8	55	39	59	55
4	63	65	42	66	25	47	26	8	55	39	59	55
5	63	65	42	66	25	47	26	8	55	39	59	55
6	63	65	42	66	25	47	26	8	55	39	59	55
7	63	65	42	66	25	47	26	8	55	39	59	55
8	63	65	42	66	25	47	26	8	55	39	59	55
9	63	65	42	66	25	47	26	8	55	39	59	55
10	63	65	42	66	25	47	26	8	55	39	59	55
11	63	65	42	39	71	71	26	37	55	39	55	75
12	63	65	42	39	71	71	26	37	55	39	55	75
13	63	65	42	39	71	71	26	37	55	39	55	75
14	63	65	42	39	71	71	26	37	55	39	55	75
15	63	65	42	39	71	71	26	37	55	39	55	75
16	63	57	66	39	71	71	26	37	55	59	55	75
17	63	57	66	39	71	71	26	37	55	59	55	75
18	63	57	66	39	71	71	26	37	55	59	55	75
19	63	57	66	39	71	71	26	37	55	59	55	75
20	63	57	66	39	71	71	26	37	55	59	55	75
21	63	57	66	39	47	71	47	66	39	59	55	90
22	63	57	66	39	47	71	47	66	39	59	55	90
23	63	57	66	39	47	71	47	66	39	59	55	90
24	63	57	66	39	47	71	47	66	39	59	55	90
25	63	57	66	39	47	71	47	66	39	59	55	90
26	63	57	66	39	47	35	47	66	39	59	55	90
27	63	57	66	39	47	35	47	66	39	59	55	90
28	63	57	66	39	47	35	47	66	39	59	55	90
29	63	—	66	39	47	35	47	66	39	59	55	90
30	63	—	66	39	47	35	47	66	39	59	55	90
31	63	....	66	—	47	....	47	66	—	59	—	90
Mean	63	61	54	48	48	57	33	38	49	49	56	74
Max.	63	65	66	66	71	71	47	66	55	59	59	90
Min.	63	57	42	39	25	35	26	8	39	39	55	55
A. F.	3874	3433	3344	2856	2930	3392	2057	2372	2955	3033	3352	4542

Total Acre-feet 38,107

DISCHARGE OF FRENCHMAN RIVER NEAR WAUNETA—Sec. 11-6-36 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	109	119	90	85	90	103	92	78	95	82	101	159
2	109	119	90	85	90	103	92	78	95	82	101	159
3	109	119	90	85	90	103	92	78	95	82	101	159
4	109	119	90	85	90	103	92	78	95	82	101	159
5	109	119	90	85	90	103	92	78	95	82	101	159
6	109	119	90	85	90	103	92	78	95	82	101	159
7	109	119	90	85	90	103	92	78	95	82	101	159
8	109	119	90	85	90	103	92	78	95	82	101	159
9	109	119	90	85	90	103	92	78	95	82	101	159
10	109	119	90	85	90	103	92	78	95	82	101	159
11	109	119	90	85	98	103	92	78	95	82	101	159
12	109	119	90	85	98	103	92	78	95	82	101	159
13	109	119	90	85	98	103	92	78	95	82	101	159
14	109	119	90	85	98	103	92	78	95	130	101	159
15	109	119	90	85	98	103	92	78	95	100	101	159
16	109	119	85	93	98	95	80	94	82	89	101	130
17	109	119	85	93	98	95	80	94	82	89	101	130
18	109	119	85	93	98	95	80	94	82	89	101	130
19	109	119	85	93	98	95	80	94	82	89	101	130
20	109	119	85	93	98	95	80	94	82	89	101	130
21	109	95	85	93	103	95	80	94	82	89	101	130
22	109	95	85	93	103	95	80	94	82	89	101	130
23	109	95	85	93	103	95	80	94	82	89	101	130
24	109	95	85	93	103	95	80	94	82	89	101	130
25	109	95	85	93	103	95	80	94	82	89	101	130
26	109	95	85	93	103	95	80	94	82	89	101	130
27	109	95	85	93	103	95	80	94	82	89	101	130
28	109	95	85	93	103	95	80	94	82	89	101	130
29	109	....	85	93	103	95	80	94	82	89	101	130
30	109	....	85	93	103	95	80	94	82	89	101	130
31	109	....	85	....	103	....	80	94	....	89	.....	130
Mean	109	112	88	89	97	99	86	86	88	88	101	144
Max.	109	119	90	93	103	103	92	94	95	130	101	159
Min.	109	95	85	85	90	95	80	78	82	82	101	130
A. F.	6702	6228	5375	5296	5976	5891	5276	5304	5266	5395	6010	8856

Total Acre-feet 71,575

DISCHARGE OF FRENCHMAN RIVER NORTH OF PALISADE

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	112	106	131	111	140	145	7	60	99	159	159	195
2	112	106	131	111	140	145	7	60	99	159	159	195
3	112	106	131	111	140	145	7	60	99	159	159	195
4	112	106	131	111	140	145	7	60	99	159	159	195
5	112	106	131	111	140	145	7	60	99	159	159	195
6	112	106	131	111	140	145	7	60	99	159	159	195
7	112	106	131	111	140	145	7	60	99	159	159	195
8	112	106	131	111	140	145	7	60	99	159	159	195
9	112	106	131	111	140	145	7	60	99	159	159	195
10	112	106	131	111	140	145	7	60	99	159	159	195
11	112	106	131	111	199	100	7	60	99	159	159	195
12	112	106	131	111	199	100	7	60	99	159	159	195
13	112	106	131	111	199	100	7	60	99	159	159	195
14	112	106	131	111	199	100	7	60	99	159	159	195
15	112	106	131	111	199	100	7	60	99	159	159	195
16	106	151	111	114	199	100	7	60	99	133	159	195
17	106	151	111	114	199	100	7	60	99	133	159	195
18	106	151	111	114	199	100	7	60	99	133	159	195
19	106	151	111	114	199	100	7	60	99	133	159	195
20	106	151	111	114	199	100	7	60	99	133	159	195
21	106	151	111	114	140	53	7	106	36	133	159	195
22	106	151	111	114	140	53	7	106	36	133	159	195
23	106	151	111	114	140	53	7	106	36	133	159	195
24	106	151	111	114	140	53	7	106	36	133	159	195
25	106	151	111	114	140	53	7	106	36	133	159	195
26	106	151	111	114	140	53	128	106	36	133	159	195
27	106	151	111	114	140	53	128	106	36	133	159	195
28	106	151	111	114	140	53	128	106	36	133	159	195
29	106	....	111	114	140	53	128	106	36	133	159	195
30	106	....	111	114	140	53	128	106	36	133	159	195
31	106	....	111	....	140	.....	128	106	....	133	.....	195
Mean	108	123	120	112	156	96	30	76	72	145	159	195
Max.	112	151	131	114	199	145	128	106	99	159	159	195
Min.	106	106	111	111	140	53	7	60	36	133	159	195
A. F.	6696	6849	7410	6684	9600	5911	1870	4693	4641	8971	9461	11990

Total Acre-feet 84,776

DISCHARGE OF FRENCHMAN RIVER NEAR CULBERTSON—Sec. 16-3-31 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	174	122	194	141	141	206	80	129	100	168	150	172
2	174	122	194	141	141	206	80	129	100	168	150	172
3	174	122	194	141	141	206	80	129	100	168	150	172
4	174	122	194	141	141	206	80	129	100	168	150	172
5	174	122	194	141	141	206	80	129	100	168	150	172
6	174	122	194	141	141	206	80	129	115	168	150	172
7	174	122	194	141	141	206	80	129	115	168	150	172
8	174	122	194	141	141	206	80	129	115	168	150	172
9	174	122	194	141	141	206	80	129	115	168	150	172
10	174	122	194	141	141	206	80	129	115	168	150	172
11	174	160	194	162	141	100	100	129	115	168	184	172
12	174	160	194	162	141	100	100	129	115	168	184	172
13	174	160	194	162	141	100	100	129	115	168	184	172
14	174	160	194	162	141	100	100	129	115	168	184	172
15	174	160	194	162	141	100	100	129	115	168	184	172
16	174	160	141	162	184	77	100	129	70	131	184	172
17	174	160	141	162	184	77	100	129	70	131	184	172
18	174	160	141	162	184	77	100	129	70	131	184	172
19	174	160	141	162	184	77	100	129	70	131	184	172
20	174	160	141	162	184	77	100	129	70	131	184	172
21	174	242	141	140	184	77	124	70	42	131	184	172
22	174	242	141	140	184	77	124	70	42	131	184	172
23	174	242	141	140	184	77	124	70	42	131	184	172
24	174	242	141	140	184	77	124	70	42	131	184	172
25	174	242	141	140	184	77	124	70	42	131	184	172
26	174	242	141	140	184	77	124	70	42	131	184	172
27	174	242	141	140	184	77	124	70	42	131	184	172
28	174	242	141	140	184	77	124	70	42	131	184	172
29	174	.....	141	140	184	77	124	70	42	131	184	172
30	174	.....	141	140	184	77	124	70	42	131	184	172
31	174	.....	141	.....	184	.....	124	70	—	131	—	172
Mean	174	170	162	147	160	123	102	108	80	148	172	172
Max.	174	242	194	162	184	206	124	129	115	168	184	172
Min.	174	122	141	140	141	77	80	70	42	131	150	172
A. F.	10699	9433	9967	8787	9836	7369	6276	6645	4800	9156	10274	10235

Total Acre-feet 103,477

DISCHARGE OF GERING DRAIN—Sec. 6-21-54 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33	23	20	23	20	32	32	52	46	41	35	42
2	33	23	20	23	20	32	32	52	46	41	35	42
3	33	23	20	23	20	32	32	52	46	41	35	42
4	33	23	20	23	20	32	32	52	46	41	35	42
5	33	23	20	23	20	32	32	52	46	41	35	42
6	33	23	20	23	20	32	32	75	46	41	35	42
7	33	23	20	23	20	32	32	100	46	41	35	42
8	33	23	20	23	20	32	32	100	46	41	35	42
9	33	23	20	23	20	32	32	100	46	41	35	42
10	33	23	20	23	20	32	32	100	46	41	35	42
11	33	23	20	23	20	32	52	100	46	41	35	42
12	33	23	20	23	20	32	52	100	46	41	35	42
13	33	23	20	23	20	32	52	127	46	41	35	42
14	33	23	20	23	20	32	52	127	46	41	35	42
15	33	23	20	23	20	32	52	127	46	41	35	42
16	33	23	24	20	25	32	52	127	46	12	44	39
17	33	23	24	20	25	32	52	100	46	12	44	39
18	33	23	24	20	25	32	52	75	46	12	44	39
19	33	23	24	20	25	32	52	50	46	12	44	39
20	33	23	24	20	25	32	52	45	46	12	44	39
21	33	23	24	20	25	32	52	45	46	12	44	39
22	33	23	24	20	25	32	52	45	46	12	44	39
23	33	23	24	20	25	32	52	45	46	12	44	39
24	33	23	24	20	25	32	52	45	46	12	44	39
25	33	23	24	20	25	32	52	45	46	12	44	39
26	33	23	24	20	25	32	52	100	46	12	44	39
27	33	23	24	20	25	32	52	100	46	12	44	39
28	33	23	24	20	25	32	52	75	46	12	44	39
29	33	—	24	20	25	32	52	50	46	12	44	39
30	33	....	24	20	25	32	52	45	46	12	44	39
31	33	—	24	....	25	—	52	45	—	12	....	39
Mean	33	23	22	21	23	32	45	76	46	26	39	40
Max.	33	23	24	23	25	32	52	127	46	41	44	42
Min.	33	23	20	20	20	32	32	45	46	12	35	39
A. F.	2029	1277	1357	1279	1388	1904	2801	4667	2737	1601	2350	2410

Total Acre-feet 25,800

DISCHARGE OF GOTHENBURG POWER WASTE

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	173	124	142	112	144	122	150	164	170	170	174	100
2	173	124	142	112	144	122	165	182	170	170	154	118
3	173	124	142	112	144	122	181	140	160	170	164	136
4	173	124	142	112	144	122	170	140	164	170	164	108
5	173	124	142	112	144	122	160	126	170	146	164	113
6	173	124	142	112	144	122	150	136	170	164	164	145
7	173	124	142	112	144	122	141	182	154	164	164	140
8	173	124	142	112	144	122	140	182	154	164	164	140
9	173	124	142	112	144	122	140	182	164	170	164	170
10	173	124	142	112	144	122	60	126	170	170	174	126
11	173	124	142	112	144	122	42	182	170	192	164	130
12	173	124	142	112	144	122	60	182	170	164	164	126
13	173	124	142	112	144	122	67	174	154	174	164	126
14	173	124	142	112	144	122	74	182	118	164	136	126
15	173	124	142	112	144	122	54	182	164	178	174	126
16	157	124	142	137	145	172	54	182	164	170	160	100
17	157	124	142	137	145	172	68	178	164	174	164	100
18	157	124	142	137	145	172	160	174	164	174	164	100
19	157	124	142	137	145	172	136	150	164	160	170	100
20	157	124	142	137	145	172	138	170	172	164	122	100
21	157	124	142	137	145	172	140	164	146	170	92	80
22	157	124	142	137	145	172	154	146	160	170	108	80
23	157	124	142	137	145	172	192	170	164	170	130	80
24	157	124	142	137	145	172	182	146	164	174	154	80
25	157	124	142	137	145	172	180	164	150	174	150	80
26	157	124	142	137	145	172	146	164	164	178	145	50
27	157	124	142	137	145	172	122	164	172	182	130	50
28	157	124	142	137	145	172	146	170	150	160	136	50
29	157	.....	142	137	145	172	154	154	170	170	120	50
30	157	.....	142	137	145	172	154	136	170	164	92	50
31	157	.....	142	.....	145	.....	146	154	.....	164	.....	50
Mean	165	124	142	124	144	147	130	163	162	165	139	101
Max.	173	124	142	137	145	172	192	182	172	192	174	145
Min.	157	124	142	112	144	122	42	126	118	146	92	50
A. F.	10130	6887	8731	7408	8886	8747	7985	10013	9640	10409	8785	6208

Total Acre-feet 103,829

DISCHARGE OF GRAVEL CREEK—Sec. 9-14-36 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2	3	2	3	*	3	3	2	3	0	2	*
2	2	3	2	3	—	3	3	2	3	0	2	—
3	2	3	2	3	—	3	3	2	3	0	2	—
4	2	3	2	3	—	3	3	2	3	0	2	—
5	2	3	2	3	—	3	3	2	3	0	2	—
6	2	3	2	3	—	3	3	3	3	0	2	—
7	2	3	2	3	—	3	3	3	3	0	2	—
8	2	3	2	3	—	3	3	3	3	0	2	—
9	2	3	2	3	—	3	3	3	3	0	2	—
10	2	3	2	3	—	3	3	3	3	0	2	—
11	2	3	2	3	—	3	3	3	3	0	2	—
12	2	3	2	3	—	3	3	3	3	0	2	—
13	2	3	2	3	—	3	3	3	3	0	2	—
14	2	3	2	3	—	3	3	3	3	0	2	—
15	2	3	2	3	—	3	3	3	3	0	2	—
16	2	3	2	3	—	3	3	3	0	2	2	—
17	2	3	2	3	—	3	3	3	0	2	2	—
18	2	3	2	3	—	3	3	3	0	2	2	—
19	2	3	2	3	—	3	3	3	0	2	2	—
20	2	3	2	3	—	3	3	3	0	2	2	—
21	2	3	2	3	—	3	3	3	0	2	2	—
22	2	3	2	3	—	3	3	3	0	2	2	—
23	2	3	2	3	—	3	3	3	0	2	2	—
24	2	3	2	3	—	3	3	3	0	2	2	—
25	2	3	2	3	—	3	3	3	0	2	2	—
26	2	3	2	3	—	3	3	3	0	2	2	—
27	2	3	2	3	—	3	3	3	0	2	2	—
28	2	3	2	3	—	3	3	3	0	2	2	—
29	2	....	2	3	—	3	3	3	0	2	2	....
30	2	....	2	3	—	3	3	3	0	2	2	....
31	2	....	2	....	....	—	3	3	—	2	—	....
Mean	2	3	2	3	—	3	3	3	1	1	2	—
Max.	2	3	2	3	....	3	3	3	3	2	2	—
Min.	2	3	2	3	....	3	3	3	0	0	2	....
A. F.	123	167	123	178	—	178	184	184	89	63	119	—

Total Acre-feet 1,408

*No Record

DISCHARGE OF HORSE CREEK—Sec. 25-23-58 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	90	164	160	30	20	58	70	155	265	250	100	125
2	90	164	160	30	20	58	70	145	310	250	100	125
3	90	164	160	30	20	58	70	150	380	250	100	125
4	90	164	160	30	20	58	70	150	255	250	100	125
5	90	164	160	30	20	58	70	150	215	250	100	125
6	90	164	160	26	20	58	70	160	205	200	100	125
7	90	164	160	26	20	58	70	150	875	200	100	125
8	90	164	160	26	20	58	70	165	1000	200	100	125
9	90	164	160	26	20	58	70	180	325	200	100	125
10	90	164	160	26	20	58	70	160	275	200	100	125
11	90	164	100	26	20	58	90	170	775	200	90	110
12	90	164	100	26	20	58	90	180	630	200	90	110
13	90	164	100	26	20	58	90	165	230	200	90	110
14	90	164	100	26	20	58	90	175	245	200	90	110
15	90	164	100	26	20	58	90	1300	275	200	90	110
16	90	164	100	26	20	58	110	685	235	150	90	110
17	90	164	100	26	500	58	110	255	190	150	90	110
18	90	164	100	26	300	58	110	170	175	150	90	110
19	90	164	100	26	250	58	110	160	200	150	90	110
20	90	164	100	26	250	58	110	150	190	150	90	110
21	90	164	41	20	242	70	133	160	205	150	100	110
22	90	164	41	20	200	70	133	145	185	150	100	110
23	90	164	41	20	150	70	133	145	285	150	100	110
24	90	164	41	20	75	70	133	160	235	150	100	110
25	90	164	41	20	50	70	133	135	250	150	100	110
26	90	164	41	20	50	70	133	100	250	125	100	110
27	90	164	41	20	50	70	133	185	250	125	100	110
28	90	164	41	20	50	70	133	275	230	125	100	110
29	90	.....	41	20	50	70	133	325	230	125	100	110
30	90	.....	41	20	50	70	133	435	280	125	100	110
31	90	.....	41	....	50	....	133	395	.....	125	.....	110
Mean	90	164	98	24	85	62	102	240	311	177	97	115
Max.	90	164	160	30	500	70	133	1300	1000	250	100	125
Min.	90	164	41	20	20	58	70	100	175	125	90	110
A. F.	5534	9108	6052	1468	5231	3689	6270	14727	19141	10900	5750	7070

Total Acre-feet 94,960

DISCHARGE OF HORSE CREEK—Sec. 23-1-39 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2	2	1	1	2	3	1	2	2	2	2	2
2	2	2	1	1	2	3	1	2	2	2	2	2
3	2	2	1	1	2	3	1	2	2	2	2	2
4	2	2	1	1	2	3	1	2	2	2	2	2
5	2	2	1	1	2	3	1	2	2	2	2	2
6	2	2	1	1	2	3	1	2	2	2	2	2
7	2	2	1	1	2	3	1	2	2	2	2	2
8	2	2	1	1	2	3	1	2	2	2	2	2
9	2	2	1	1	2	3	1	2	2	2	2	2
10	2	2	1	1	2	3	1	2	2	2	2	2
11	2	2	1	1	2	3	1	3	2	2	1	2
12	2	2	1	1	2	3	1	3	2	2	1	2
13	2	2	1	1	2	3	1	3	2	2	1	2
14	2	2	1	1	2	3	1	3	2	2	1	2
15	2	2	1	1	2	3	1	3	2	2	1	2
16	2	2	1	1	1	3	1	3	1	2	1	2
17	2	2	1	1	1	3	1	3	1	2	1	2
18	2	2	1	1	1	3	1	3	1	2	1	2
19	2	2	1	1	1	3	1	3	1	2	1	2
20	2	2	1	1	1	3	1	3	1	2	1	2
21	2	2	1	1	1	0	1	1	1	2	1	2
22	2	2	1	1	1	0	1	1	1	2	1	2
23	2	2	1	1	1	0	1	1	1	2	1	2
24	2	2	1	1	1	0	1	1	1	2	1	2
25	2	2	1	1	1	0	1	1	1	2	1	2
26	2	2	1	1	1	0	1	1	1	2	2	2
27	2	2	1	1	1	0	1	1	1	2	2	2
28	2	2	1	1	1	0	1	1	1	2	2	2
29	2	....	1	1	1	0	1	1	1	2	2	2
30	2	....	1	1	1	0	1	1	1	2	2	2
31	2	....	1	—	1	—	1	1	—	2	....	2
Mean	2	2	1	1	1	2	1	2	1	2	1	2
Max.	2	2	1	1	2	3	1	3	2	2	2	2
Min.	2	2	1	1	1	0	1	1	1	2	1	2
A. F.	123	111	61	59	91	119	61	121	89	123	89	123

Total Acre-feet 1,170

DISCHARGE OF INDIAN CREEK AT NORTHPORT WYE—Sec. 19-20-50 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9	10	7	6	10	5	21	14	49	58	15	11
2	9	10	7	6	10	5	21	14	49	58	15	11
3	9	10	7	6	10	5	21	14	49	58	15	11
4	9	10	7	6	10	5	21	14	49	58	15	11
5	9	10	7	6	10	5	21	14	49	58	15	11
6	9	10	7	6	10	5	21	14	49	15	15	11
7	9	10	7	6	10	5	21	14	49	15	15	11
8	9	10	7	6	10	5	21	14	49	15	15	11
9	9	10	7	6	10	5	21	14	49	15	15	11
10	9	10	7	6	10	5	21	14	49	15	15	11
11	9	10	7	6	10	5	15	14	27	15	15	11
12	9	10	7	6	10	5	15	14	27	15	15	11
13	9	10	7	6	10	5	15	14	27	15	15	11
14	9	10	7	6	10	5	15	14	27	15	15	11
15	9	10	7	6	10	5	15	14	27	15	15	11
16	9	10	7	6	4	5	15	14	27	15	5	11
17	9	10	7	6	4	5	15	14	27	15	5	11
18	9	10	7	6	4	5	15	14	27	15	5	11
19	9	10	7	6	4	5	15	14	27	15	5	11
20	9	10	7	6	4	5	15	14	27	15	5	11
21	9	10	5	5	4	5	15	21	27	15	5	11
22	9	10	5	5	4	5	15	21	27	15	5	11
23	9	10	5	5	4	5	15	21	27	15	5	11
24	9	10	5	5	4	5	15	21	27	15	5	11
25	9	10	5	5	4	5	15	21	27	15	5	11
26	9	10	5	5	4	5	15	21	58	15	5	11
27	9	10	5	5	4	5	15	21	58	15	5	11
28	9	10	5	5	4	5	15	21	58	15	5	11
29	9	....	5	5	4	5	15	21	58	15	5	11
30	9	....	5	5	4	5	15	21	58	15	5	11
31	9	—	5	—	4	....	15	21	....	15	—	11
Mean	9	10	6	6	7	5	16	16	39	22	10	11
Max.	9	10	7	6	10	5	21	21	58	58	15	11
Min	9	10	5	5	4	5	15	14	27	15	5	11
A. F.	553	555	387	337	424	297	1041	1013	2350	1349	595	676

Total Acre-feet 9,577

DISCHARGE OF INDIAN CREEK—Sec. 23-2-36 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5	5	4	4	4	7	3	4	18	6	5	6
2	5	5	4	4	4	7	3	4	18	6	5	6
3	5	5	4	4	4	7	3	4	18	6	5	6
4	5	5	4	4	4	7	3	4	18	6	5	6
5	5	5	4	4	4	7	3	4	18	6	5	6
6	5	5	4	4	4	7	3	4	18	6	5	6
7	5	5	4	4	4	7	3	4	18	6	5	6
8	5	5	4	4	4	7	3	4	18	6	5	6
9	5	5	4	4	4	7	3	4	18	6	5	6
10	5	5	4	4	4	7	3	4	18	6	5	6
11	5	5	4	4	7	5	3	3	12	6	4	6
12	5	5	4	4	7	5	3	3	12	6	4	6
13	5	5	4	4	7	5	3	3	12	6	4	6
14	5	5	4	4	7	5	3	3	12	6	4	6
15	5	5	4	4	7	5	3	3	12	6	4	6
16	5	4	4	4	7	5	3	3	6	5	4	6
17	5	4	4	4	7	5	3	3	6	5	4	6
18	5	4	4	4	7	5	3	3	6	5	4	6
19	5	4	4	4	7	5	3	3	6	5	4	6
20	5	4	4	4	7	5	3	3	6	5	4	6
21	5	4	4	4	7	3	3	3	6	5	4	6
22	5	4	4	4	7	3	3	3	6	5	4	6
23	5	4	4	4	7	3	3	3	6	5	4	6
24	5	4	4	4	7	3	3	3	6	5	4	6
25	5	4	4	4	7	3	3	3	6	5	4	6
26	5	4	4	4	7	3	3	3	6	5	4	6
27	5	4	4	4	7	3	3	3	6	5	4	6
28	5	4	4	4	7	3	3	3	6	5	4	6
29	5	....	4	4	7	3	3	3	6	5	4	6
30	5	....	4	4	7	3	3	3	6	5	4	6
31	5	....	4	—	7	—	3	3	—	5	....	6
Mean	5	5	4	4	6	5	3	3	11	5	4	6
Max.	5	5	4	4	7	7	3	4	18	6	5	6
Min.	5	4	4	4	4	3	3	3	6	5	4	6
A. F.	307	252	246	238	371	297	184	204	654	337	258	369

Total Acre-feet 3,717

DISCHARGE OF LANE DRAIN—Sec. 30-23-57 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2	2	2	2	2	6	8	4	3	5	3	8
2	2	2	2	2	2	6	8	4	3	5	3	8
3	2	2	2	2	2	6	8	4	3	5	3	8
4	2	2	2	2	2	6	8	4	3	5	3	8
5	2	2	2	2	2	6	8	4	3	5	3	8
6	2	2	2	2	2	6	8	4	3	5	3	8
7	2	2	2	2	2	6	8	4	3	5	3	8
8	2	2	2	2	2	6	8	4	3	5	3	8
9	2	2	2	2	2	6	8	4	3	5	3	8
10	2	2	2	2	2	6	8	4	3	5	3	8
11	2	2	2	2	2	6	4	4	3	5	3	8
12	2	2	2	2	2	6	4	4	3	5	3	8
13	2	2	2	2	2	6	4	4	3	5	3	8
14	2	2	2	2	2	6	4	4	3	5	3	8
15	2	2	2	2	2	6	4	4	3	5	3	8
16	2	2	2	2	6	8	4	4	3	5	2	8
17	2	2	2	2	6	8	4	4	3	5	2	8
18	2	2	2	2	6	8	4	4	3	5	2	8
19	2	2	2	2	6	8	4	4	3	5	2	8
20	2	2	2	2	6	8	4	4	3	5	2	8
21	2	2	2	2	6	8	2	4	3	5	2	8
22	2	2	2	2	6	8	2	4	3	5	2	8
23	2	2	2	2	6	8	2	4	3	5	2	8
24	2	2	2	2	6	8	2	4	3	5	2	8
25	2	2	2	2	6	8	2	4	3	5	2	8
26	2	2	2	2	6	8	2	4	3	5	2	8
27	2	2	2	2	6	8	2	4	3	5	2	8
28	2	2	2	2	6	8	2	4	3	5	2	8
29	2	.....	2	2	6	8	2	4	3	5	2	8
30	2	.....	2	2	6	8	2	4	3	5	2	8
31	2	.....	2	.....	6	.....	2	4	.....	5	.....	8
Mean	2	2	2	2	4	7	4	4	3	5	3	8
Max.	2	2	2	2	6	8	8	4	3	5	3	8
Min.	2	2	2	2	2	6	2	4	3	5	2	8
A. F.	123	115	123	119	250	416	282	246	179	307	149	492

Total Acre-feet 2,801

DISCHARGE OF LINCOLN COUNTY DRAIN—Sec. 30-14-30 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	61	57	55	51	51	69	106	109	130	110	84	70
2	61	57	55	51	51	69	106	109	130	110	84	70
3	61	57	55	51	51	69	106	109	130	110	84	70
4	61	57	55	51	51	69	106	109	130	110	84	70
5	61	57	55	51	51	69	106	109	130	110	84	70
6	61	57	55	51	51	69	82	95	130	110	84	80
7	61	57	55	51	51	69	82	95	130	110	84	80
8	61	57	55	51	51	69	82	123	130	110	84	80
9	61	57	55	51	51	69	82	123	130	110	84	80
10	61	57	55	51	51	69	82	123	130	110	84	80
11	61	57	55	51	51	100	82	125	115	110	84	80
12	61	57	55	51	51	100	83	125	115	110	84	80
13	61	57	55	51	51	100	97	125	115	110	84	80
14	61	57	55	51	51	100	109	125	115	110	84	80
15	61	57	55	51	51	100	110	125	115	110	84	80
16	61	57	55	44	51	100	112	125	115	97	84	80
17	61	57	55	44	51	100	115	125	115	97	84	80
18	61	57	55	44	51	100	119	125	115	97	84	80
19	61	57	55	44	51	100	118	125	115	97	84	80
20	61	57	55	44	51	100	118	125	115	97	84	80
21	61	57	55	44	51	88	118	130	98	97	84	70
22	61	57	55	44	51	88	117	130	98	97	84	70
23	61	57	55	44	51	88	115	130	98	97	84	70
24	61	57	55	44	51	84	112	130	98	97	84	70
25	61	57	55	44	51	88	110	130	98	97	84	70
26	61	57	55	44	51	88	103	131	98	97	84	70
27	61	57	55	44	51	88	103	131	98	97	84	70
28	61	57	55	44	51	88	103	131	98	97	84	70
29	61	.....	55	44	51	88	103	131	98	97	84	70
30	61	.....	55	44	51	88	103	131	98	97	84	70
31	61	.....	55	.....	51	.....	103	131	.....	97	.....	70
Mean	61	57	55	48	51	85	103	122	114	106	84	75
Max.	61	57	55	51	51	100	119	131	130	110	84	80
Min.	61	57	55	44	51	69	82	95	98	97	84	70
A. F.	3751	3166	3382	2826	3136	5097	6333	7517	6803	6351	4998	4602

Total Acre-feet 57,962

DISCHARGE OF LODGEPOLE CREEK AT WYOMING-NEBRASKA LINE—
Sec. 11-14-59 W.
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6	7	14	14	18	8	4	6	5	8	16	14
2	6	7	14	14	18	8	4	6	5	8	16	14
3	6	7	14	14	18	8	4	6	5	8	16	14
4	6	7	14	14	18	8	4	6	5	8	16	14
5	6	7	14	14	18	8	4	6	5	8	16	14
6	6	7	14	14	18	8	4	6	12	8	16	14
7	6	7	14	14	18	8	4	6	12	8	16	14
8	6	7	14	14	18	8	4	6	12	8	16	14
9	6	7	14	14	18	8	4	6	12	8	16	14
10	6	7	14	14	18	8	4	6	12	8	16	14
11	6	16	14	9	13	8	4	9	12	8	16	14
12	6	16	14	9	13	8	4	9	12	8	16	14
13	6	16	14	9	13	8	4	9	12	8	16	14
14	6	16	14	9	13	8	4	9	12	8	16	14
15	6	16	14	9	13	8	4	9	12	8	16	14
16	7	16	14	9	13	5	4	9	8	10	14	12
17	7	16	14	9	13	5	4	9	8	10	14	12
18	7	16	14	9	13	5	4	9	8	10	14	12
19	7	16	14	9	13	5	4	9	8	10	14	12
20	7	16	14	9	13	5	4	9	8	10	14	12
21	7	15	14	9	8	5	4	12	8	10	14	12
22	7	15	14	9	8	5	4	12	8	10	14	12
23	7	15	14	9	8	5	4	12	8	10	14	12
24	7	15	14	9	8	5	4	12	8	10	14	12
25	7	15	14	9	8	5	4	12	8	10	14	12
26	7	15	14	9	8	2	4	12	8	10	14	12
27	7	15	14	9	8	2	4	12	8	10	14	12
28	7	15	14	9	8	2	4	12	8	10	14	12
29	7	....	14	9	8	2	4	12	8	10	14	12
30	7	....	14	9	8	2	4	12	8	10	14	12
31	7	—	14	....	8	—	4	12	—	10	—	12
Mean	6	12	14	10	13	6	4	9	9	9	15	13
Max.	7	16	14	14	18	8	4	12	12	10	16	14
Min.	6	7	14	9	8	2	4	6	5	8	14	12
A.F.	400	694	861	635	789	357	246	559	541	555	893	797

Total Acre-feet 7,327

DISHARGE OF LODGEPOLE CREEK ABOVE KIMBALL RESERVOIR—
Sec. 33-15-57 W.
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12	11	23	17	19	18	7	9	24	32	25	23
2	12	11	23	17	19	18	7	9	24	32	25	23
3	12	11	23	17	19	18	7	9	24	32	25	23
4	12	11	23	17	19	18	7	9	24	32	25	23
5	12	11	23	17	19	18	7	9	24	32	25	23
6	12	11	23	17	19	18	7	9	24	32	25	23
7	12	11	23	17	19	18	7	9	24	32	25	23
8	12	11	23	17	19	18	7	9	24	32	25	23
9	12	11	23	17	19	18	7	9	24	32	25	23
10	12	11	23	17	19	18	7	9	24	32	25	23
11	12	25	23	17	19	18	7	9	24	32	25	23
12	12	25	23	17	19	18	7	9	24	32	25	23
13	12	25	23	17	19	18	7	9	24	32	25	23
14	12	25	23	17	19	18	7	9	24	32	25	23
15	12	25	23	17	19	18	7	9	24	32	25	23
16	11	25	23	17	20	18	6	9	14	25	23	17
17	11	25	23	17	20	18	6	9	14	25	23	17
18	11	25	23	17	20	18	6	9	14	25	23	17
19	11	25	23	17	20	18	6	9	14	25	23	17
20	11	25	23	17	20	18	6	9	14	25	23	17
21	11	25	23	17	20	7	6	9	14	25	23	17
22	11	25	23	17	20	7	6	148	14	25	23	17
23	11	25	23	17	20	7	6	50	14	25	23	17
24	11	25	23	17	20	7	6	40	14	25	23	17
25	11	25	23	17	20	7	6	30	14	25	23	17
26	11	25	23	17	20	7	6	25	14	25	23	17
27	11	25	23	17	20	7	6	25	14	25	23	17
28	11	25	23	17	20	7	6	25	14	25	23	17
29	11	—	23	17	20	7	6	25	14	25	23	17
30	11	—	23	17	20	7	6	25	14	25	23	17
31	11	—	23	—	20	....	6	25	—	25	—	17
Mean	11	20	23	17	19	11	6	19	19	28	24	20
Max.	12	25	23	17	20	18	7	148	24	32	25	23
Min.	11	11	23	17	19	7	6	9	14	25	23	17
A.F.	706	1111	1414	1011	1105	853	399	1204	1131	1745	1428	1224

Total Acre-feet 13,331

DISCHARGE OF LODGEPOLE CREEK BELOW KIMBALL RESERVOIR—
Sec. 36-15-57 W.
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	5	4	4	4	5	4	4	3	3	4	3
2	3	5	4	4	4	5	4	4	3	3	4	3
3	3	5	4	4	4	5	4	4	3	3	4	3
4	3	5	4	4	4	5	4	4	3	3	4	3
5	3	5	4	4	4	5	4	4	3	3	4	3
6	3	5	4	4	4	5	4	4	3	3	4	3
7	3	5	4	4	4	5	4	4	3	3	4	3
8	3	5	4	4	4	5	4	4	3	3	4	3
9	3	5	4	4	4	5	4	4	3	3	4	3
10	3	5	4	4	4	5	4	4	3	3	4	3
11	3	5	4	4	4	5	4	4	3	3	4	3
12	3	5	4	4	4	5	4	4	3	3	4	3
13	3	5	4	4	4	5	4	4	3	3	4	3
14	3	5	4	4	4	5	4	4	3	3	4	3
15	3	5	4	4	4	5	4	4	3	3	4	3
16	3	5	4	3	5	5	4	3	3	3	5	3
17	3	5	4	3	5	5	4	3	3	3	5	3
18	3	5	4	3	5	5	4	3	3	3	5	3
19	3	5	4	3	5	5	4	3	3	3	5	3
20	3	5	4	3	5	5	4	3	3	3	5	3
21	2	5	4	3	5	5	4	3	3	3	5	3
22	2	5	4	3	5	5	4	3	3	3	5	3
23	2	5	4	3	5	5	4	3	3	3	5	3
24	2	5	4	3	5	5	4	3	3	3	5	3
25	2	5	4	3	5	5	4	3	3	3	5	3
26	2	5	4	3	5	5	4	3	3	3	5	3
27	2	5	4	3	5	5	4	3	3	3	5	3
28	2	5	4	3	5	5	4	3	3	3	5	3
29	2	—	4	3	5	5	4	3	3	3	5	3
30	2	—	4	3	5	5	4	3	3	3	5	3
31	2	....	4	—	5	—	4	3	—	3	—	3
Mean	3	5	4	3	4	5	4	3	3	3	4	3
Max.	3	5	4	4	5	5	4	4	3	3	5	3
Min.	2	5	4	3	4	5	4	3	3	3	4	3
A. F.	163	278	246	208	278	297	246	214	178	184	268	184

Total Acre-feet 2,744

DISCHARGE OF LODGEPOLE CREEK NORTH OF KIMBALL—Sec. 29-15-55 W.
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11	15	18	17	11	7	9	9	11	13	10	20
2	11	15	18	17	11	7	9	9	11	13	10	20
3	11	15	18	17	11	7	9	9	11	13	10	20
4	11	15	18	17	11	7	9	9	11	13	10	20
5	11	15	18	17	11	7	9	9	11	13	10	20
6	11	15	18	17	11	7	9	9	11	13	10	20
7	11	15	18	17	11	7	9	9	11	13	10	20
8	11	15	18	17	11	7	9	9	11	13	10	20
9	11	15	18	17	11	7	9	9	11	13	10	20
10	11	15	18	17	11	7	9	9	11	13	10	20
11	11	15	18	12	11	7	9	9	11	13	10	15
12	11	15	18	12	11	7	9	9	11	13	10	15
13	11	15	18	12	11	7	9	9	11	13	10	15
14	11	15	18	12	11	7	9	9	11	13	10	15
15	11	15	18	12	11	7	9	9	11	13	10	15
16	13	15	17	12	8	3	9	10	7	11	15	15
17	13	15	17	12	8	3	9	10	7	11	15	15
18	13	15	17	12	8	3	9	10	7	11	15	15
19	13	15	17	12	8	3	9	10	7	11	15	15
20	13	15	17	12	8	3	9	10	7	11	15	15
21	13	15	17	8	8	3	9	10	7	11	15	10
22	13	15	17	8	8	3	9	10	7	11	15	10
23	13	15	17	8	8	3	9	10	7	11	15	10
24	13	15	17	8	8	3	9	10	7	11	15	10
25	13	15	17	8	8	3	9	10	7	11	15	10
26	13	15	17	8	8	3	9	10	7	11	20	10
27	13	15	17	8	8	3	9	10	7	11	20	10
28	13	15	17	8	8	3	9	10	7	11	20	10
29	13	....	17	8	8	3	9	10	7	11	20	10
30	13	....	17	8	8	3	9	10	7	11	20	10
31	13	—	17	—	8	—	9	10	—	11	—	10
Mean	12	15	17	12	9	5	9	9	9	12	13	15
Max.	13	15	18	17	11	7	9	10	11	13	20	20
Min.	11	15	17	8	8	3	9	9	7	11	10	10
A. F.	714	833	1075	734	581	297	553	585	535	736	793	912

Total Acre-feet 8,348

DISCHARGE OF LODGEPOLE CREEK NEAR SIDNEY—Sec. 32-14-49 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5	4	4	6	5	4	2	1	3	3	3	4
2	5	4	4	6	5	4	2	1	3	3	3	4
3	5	4	4	6	5	4	2	1	3	3	3	4
4	5	4	4	6	5	4	2	1	3	3	3	4
5	5	4	4	6	5	4	2	1	3	3	3	4
6	5	4	4	6	5	4	2	1	3	3	3	4
7	5	4	4	6	5	4	2	1	3	3	3	4
8	5	4	4	6	5	4	2	1	3	3	3	4
9	5	4	4	6	5	4	2	1	3	3	3	4
10	5	4	4	6	5	4	2	1	3	3	3	4
11	5	4	4	6	5	4	2	1	3	3	3	4
12	5	4	4	6	5	4	2	1	3	3	3	4
13	5	4	4	6	5	4	2	1	3	3	3	4
14	5	4	4	6	5	4	2	1	3	3	3	4
15	5	4	4	6	5	4	2	1	3	3	3	4
16	5	4	4	5	5	4	1	1	2	3	4	4
17	5	4	4	5	5	4	1	1	2	3	4	4
18	5	4	4	5	5	4	1	1	2	3	4	4
19	5	4	4	5	5	4	1	1	2	3	4	4
20	5	4	4	5	5	4	1	1	2	3	4	4
21	3	4	4	5	5	4	1	1	2	3	4	4
22	3	4	4	5	5	4	1	1	2	3	4	4
23	3	4	4	5	5	4	1	1	2	3	4	4
24	3	4	4	5	5	4	1	1	2	3	4	4
25	3	4	4	5	5	4	1	1	2	3	4	4
26	3	4	4	5	5	4	1	1	2	3	4	4
27	3	4	4	5	5	4	1	1	2	3	4	4
28	3	4	4	5	5	4	1	1	2	3	4	4
29	3	—	4	5	5	4	1	1	2	3	4	4
30	3	—	4	5	5	4	1	1	2	3	4	4
31	3	—	4	—	5	—	1	1	—	3	—	4
Mean	4	4	4	5	5	4	1	1	2	3	3	4
Max.	5	4	4	6	5	4	2	1	3	3	4	4
Min.	3	4	4	5	5	4	1	1	2	3	3	4
A. F.	264	222	246	327	307	238	91	61	149	184	208	246

Total Acre-feet 2,533

DISCHARGE OF LODGEPOLE CREEK AT LODGEPOLE—Sec. 30-14-46 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5	10	13	22	15	6	0	1	7	8	18	12
2	5	10	13	22	15	6	0	1	7	8	18	12
3	5	10	13	22	15	6	0	1	7	8	18	12
4	5	10	13	22	15	6	0	1	7	8	18	12
5	5	10	13	22	15	6	0	1	7	8	18	12
6	5	10	13	22	15	6	0	1	7	8	18	12
7	5	10	13	22	15	6	0	1	7	8	18	12
8	5	10	13	22	15	6	0	1	7	8	18	12
9	5	10	13	22	15	6	0	1	7	8	18	12
10	5	10	13	22	15	6	0	1	7	8	18	12
11	5	23	24	19	25	2	0	1	7	8	18	8
12	5	23	24	19	25	2	0	1	7	8	18	8
13	5	23	24	19	25	2	0	1	7	8	18	8
14	5	23	24	19	25	2	0	1	7	8	18	8
15	5	23	24	19	25	2	0	1	7	8	18	8
16	5	23	24	19	25	2	0	1	3	13	18	8
17	5	23	24	19	25	2	0	1	3	13	18	8
18	5	23	24	19	25	2	0	1	3	13	18	8
19	5	23	24	19	25	2	0	1	3	13	18	8
20	5	23	24	19	25	2	0	1	3	13	18	8
21	5	18	24	15	11	2	0	1	3	13	12	5
22	5	18	24	15	11	2	0	1	3	13	12	5
23	5	18	24	15	11	2	0	1	3	13	12	5
24	5	18	24	15	11	2	0	1	3	13	12	5
25	5	18	24	15	11	2	0	1	3	13	12	5
26	5	18	24	15	11	2	0	1	3	18	12	5
27	5	18	24	15	11	2	0	1	3	18	12	5
28	5	18	24	15	11	2	0	1	3	18	12	5
29	5	—	24	15	11	2	0	1	3	18	12	5
30	5	—	24	15	11	2	0	1	3	18	12	5
31	5	—	24	—	11	—	0	1	—	18	—	5
Mean	5	17	20	18	23	3	0	1	5	12	16	8
Max.	5	23	24	22	25	6	0	1	7	18	18	12
Min.	5	10	13	15	11	2	0	1	3	8	12	5
A. F.	307	940	1257	1111	1430	198	0	60	297	710	952	506

Total Acre-feet 7,768

DISCHARGE OF LODGEPOLE CREEK AT CHAPPELL—Sec. 21-13-45 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6	14	13	13	14	12	3	3	11	7	14	12
2	6	14	13	13	14	12	3	3	11	7	14	12
3	6	14	13	13	14	12	3	3	11	7	14	12
4	6	14	13	13	14	12	3	3	11	7	14	12
5	6	14	13	13	14	12	3	3	11	7	14	12
6	6	14	13	13	14	12	3	3	11	7	14	12
7	6	14	13	13	14	12	3	3	11	7	14	12
8	6	14	13	13	14	12	3	3	11	7	14	12
9	6	14	13	13	14	12	3	3	11	7	14	12
10	6	14	13	13	14	12	3	3	11	7	14	12
11	6	14	13	13	14	4	3	3	6	7	14	8
12	6	14	13	13	14	4	3	3	6	7	14	8
13	6	14	13	13	14	4	3	3	6	7	14	8
14	6	14	13	13	14	4	3	3	6	7	14	8
15	6	14	13	13	14	4	3	3	6	7	14	8
16	6	14	13	15	22	4	8	9	1	8	12	8
17	6	14	13	15	22	4	8	9	1	8	12	8
18	6	14	13	15	22	4	8	9	1	8	12	8
19	6	14	13	15	22	4	8	9	1	8	12	8
20	6	14	13	15	22	4	8	9	1	8	12	8
21	6	14	13	15	22	4	8	9	1	8	12	6
22	6	14	13	15	22	4	8	9	1	8	12	6
23	6	14	13	15	22	4	8	9	1	8	12	6
24	6	14	13	15	22	4	8	9	1	8	12	6
25	6	14	13	15	22	4	8	9	1	8	12	6
26	14	14	13	15	22	4	8	9	1	8	12	6
27	14	14	13	15	22	4	8	9	1	8	12	6
28	14	14	13	15	22	4	8	9	1	8	12	6
29	14	....	13	15	22	4	8	9	1	8	12	6
30	14	....	13	15	22	4	8	9	1	8	12	6
31	14	....	13	—	22	—	8	9	—	8	—	6
Mean	7	14	13	14	18	6	6	6	5	7	13	9
Max.	14	14	13	15	22	12	8	9	11	8	14	12
Min.	6	14	13	13	14	4	3	3	1	7	12	6
A.F.	464	777	799	833	1115	397	383	375	307	462	773	528

Total Acre-feet 7,213

DISCHARGE OF LODGEPOLE CREEK AT INTERSTATE STATION—

Sec. 12-12-45 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9	14	18	14	17	18	3	3	11	13	16	18
2	9	14	18	14	17	18	3	3	11	13	16	18
3	9	14	18	14	17	18	3	3	11	13	16	18
4	9	14	18	14	17	18	3	3	11	13	16	18
5	9	14	18	14	17	18	3	3	11	13	16	18
6	9	14	18	14	17	12	3	3	11	13	16	18
7	9	14	18	14	17	12	3	3	11	13	16	18
8	9	14	18	14	17	12	3	3	11	13	16	18
9	9	14	18	14	17	12	3	3	11	13	16	18
10	9	14	18	14	17	12	3	3	11	13	16	18
11	9	17	18	14	17	12	3	3	11	13	16	18
12	9	17	18	14	17	12	3	3	11	13	16	18
13	9	17	18	14	17	12	3	3	11	13	16	18
14	9	17	18	14	17	12	3	3	11	13	16	18
15	9	17	18	14	17	12	3	3	11	13	16	18
16	9	17	17	14	22	8	6	11	8	13	18	18
17	9	17	17	14	22	8	6	11	8	13	18	18
18	9	17	17	14	22	8	6	11	8	13	18	18
19	9	17	17	14	22	8	6	11	8	13	18	18
20	9	17	17	14	22	8	6	11	8	13	18	18
21	14	17	17	14	22	8	6	11	8	16	18	15
22	14	17	17	14	22	8	6	11	8	16	18	15
23	14	17	17	14	22	8	6	11	8	16	18	15
24	14	17	17	14	22	8	6	11	8	16	18	15
25	14	17	17	14	22	8	6	11	8	16	18	15
26	14	17	17	14	22	8	6	11	8	16	18	15
27	14	17	17	14	22	8	6	11	8	16	18	15
28	14	17	17	14	22	8	6	11	8	16	18	15
29	14	....	17	14	22	8	6	11	8	16	18	15
30	14	....	17	14	22	8	6	11	8	16	18	15
31	14	—	17	—	22	....	6	11	—	16	—	15
Mean	11	16	17	14	20	11	5	7	9	14	17	17
Max.	14	17	18	14	22	18	6	11	11	16	18	18
Min.	9	14	17	14	17	8	3	3	8	13	16	15
A.F.	662	885	1075	833	1204	654	280	438	565	865	1011	1041

Total Acre-feet 9,513

DISCHARGE OF LONERGAN CREEK—Sec. 19-15-39 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10	8	6	7	6	11	6	5	8	7	5	11
2	10	8	6	7	6	11	6	5	8	7	5	11
3	10	8	6	7	6	11	6	5	8	7	5	11
4	10	8	6	7	6	11	6	4	8	7	5	11
5	10	8	6	7	6	11	6	4	8	7	5	11
6	10	8	6	7	6	11	6	3	8	7	5	11
7	10	8	6	7	6	11	6	3	8	7	5	11
8	10	8	6	7	6	11	6	3	8	7	5	11
9	10	8	6	7	6	11	6	3	8	7	5	11
10	10	8	6	7	6	11	6	3	8	7	5	11
11	10	8	6	7	6	11	6	2	8	7	5	11
12	10	8	6	7	6	11	6	2	8	7	5	11
13	10	8	6	7	6	11	6	2	8	7	5	11
14	10	8	6	7	6	11	6	2	8	7	5	11
15	10	8	6	7	6	11	6	2	8	7	5	11
16	5	6	6	6	6	6	4	2	7	8	8	11
17	5	6	6	6	6	6	4	2	7	8	8	11
18	5	6	6	6	6	6	4	2	7	8	8	11
19	5	6	6	6	6	6	4	2	7	8	8	11
20	5	6	6	6	6	6	4	2	7	8	8	11
21	5	6	6	6	6	6	4	8	7	8	8	11
22	5	6	6	6	6	6	4	8	7	8	8	11
23	5	6	6	6	6	6	4	8	7	8	8	11
24	5	6	6	6	6	6	4	8	7	8	8	11
25	5	6	6	6	6	6	4	8	7	8	8	11
26	5	6	6	6	6	6	4	8	7	8	10	11
27	5	6	6	6	6	6	4	8	7	8	10	11
28	5	6	6	6	6	6	4	8	7	8	10	11
29	5	—	6	6	6	6	4	8	7	8	10	11
30	5	—	6	6	6	6	4	8	7	8	10	11
31	5	—	6	—	6	—	4	8	—	8	—	11
Mean	7	7	6	6	6	8	5	5	7	7	7	11
Max.	10	8	6	7	6	11	6	8	8	8	10	11
Min.	5	6	6	6	6	6	4	2	7	7	5	11
A.F.	456	393	369	387	369	506	317	290	446	462	407	676

Total Acre-feet 5,078

DISCHARGE OF MEDICINE CREEK—Sec. 18-4-25 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	61	50	67	75	74	74	149	180	30	100	41	76
2	61	50	67	75	74	74	149	180	30	100	41	76
3	61	50	67	75	74	74	149	180	30	100	41	76
4	61	50	67	75	74	626	149	180	30	100	41	76
5	61	50	67	75	74	400	149	180	30	100	41	76
6	61	50	67	75	74	200	149	180	30	100	41	76
7	61	50	67	75	74	150	149	180	30	100	41	76
8	61	50	67	75	74	150	149	180	30	100	41	76
9	61	50	67	75	74	150	149	180	30	100	41	76
10	61	50	67	75	74	150	149	180	30	100	41	76
11	61	50	67	85	74	150	112	180	30	108	80	76
12	61	50	67	85	74	150	112	221	30	108	80	76
13	61	50	67	85	74	150	112	160	30	108	80	76
14	61	50	67	85	74	150	112	100	30	108	80	76
15	61	50	67	85	74	150	112	100	30	108	80	76
16	61	79	65	85	74	150	112	70	30	108	80	76
17	61	79	65	85	74	150	112	70	30	108	80	76
18	61	79	65	85	74	150	112	70	30	108	80	76
19	61	79	65	85	74	150	112	70	30	108	80	76
20	61	79	65	85	74	150	112	70	30	108	80	76
21	61	79	65	94	74	149	140	30	30	41	80	76
22	61	79	65	94	74	149	140	30	30	41	80	76
23	61	79	65	94	74	149	140	30	30	41	80	76
24	61	79	65	94	74	149	140	30	30	41	80	76
25	61	79	65	94	74	149	140	30	30	41	80	76
26	61	79	65	94	74	149	140	30	30	41	80	76
27	61	79	65	94	74	149	140	30	30	41	80	76
28	61	79	65	94	74	149	140	30	30	41	80	76
29	61	—	65	94	74	149	140	30	30	41	80	76
30	61	—	65	94	74	149	140	30	30	41	80	76
31	61	—	65	—	74	—	140	30	—	41	—	76
Mean	61	63	66	84	74	167	133	104	30	82	67	76
Max.	61	79	67	94	74	626	149	221	30	108	80	76
Min.	61	50	65	75	74	74	112	30	30	41	41	76
A.F.	3751	3524	4046	5038	4550	9993	8231	6428	1785	5020	3987	4673

Total Acre-feet 61,026

DISHARGE OF MELPETA SEEP—Sec. 24-21-54 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5	5	5	3	4	4	0	2	2	8	6	9
2	5	5	5	3	4	4	0	2	2	8	6	9
3	5	5	5	3	4	4	0	2	2	8	6	9
4	5	5	5	3	4	4	0	2	2	8	6	9
5	5	5	5	3	4	4	0	2	2	8	6	9
6	5	5	5	3	4	4	0	2	2	8	6	9
7	5	5	5	3	4	4	0	2	2	8	6	9
8	5	5	5	3	4	4	0	2	2	8	6	9
9	5	5	5	3	4	4	0	2	2	8	6	9
10	5	5	5	3	4	4	0	2	2	8	6	9
11	5	5	5	3	5	4	0	7	2	4	6	9
12	5	5	5	3	5	4	0	7	2	4	6	9
13	5	5	5	3	5	4	0	7	2	4	6	9
14	5	5	5	3	5	4	0	7	2	4	6	9
15	5	5	5	3	5	4	0	7	2	4	6	9
16	5	5	4	4	5	4	2	14	2	4	10	9
17	5	5	4	4	5	4	2	14	2	4	10	9
18	5	5	4	4	5	4	2	14	2	4	10	9
19	5	5	4	4	5	4	2	14	2	4	10	9
20	5	5	4	4	5	4	2	14	2	4	10	9
21	5	5	4	4	5	4	2	7	5	4	10	9
22	5	5	4	4	5	4	2	7	5	4	10	9
23	5	5	4	4	5	4	2	7	5	4	10	9
24	5	5	4	4	5	4	2	7	5	4	10	9
25	5	5	4	4	5	4	2	7	5	4	10	9
26	5	5	4	4	5	4	2	3	5	4	10	9
27	5	5	4	4	5	4	2	3	5	4	10	9
28	5	5	4	4	5	4	2	3	5	4	10	9
29	5	—	4	4	5	4	2	3	5	4	10	9
30	5	—	4	4	5	4	2	3	5	4	10	9
31	5	—	4	—	5	—	2	3	—	4	—	9
Mean	5	5	4	3	5	4	1	6	3	5	8	9
Max.	5	5	5	4	5	4	2	14	5	8	10	9
Min.	5	5	4	3	4	4	0	2	2	4	6	9
A.F.	303	277	276	208	288	238	63	353	178	325	476	553

Total Acre-feet 3,538

DISCHARGE OF MUDDY CREEK NEAR ARAPAHOE—Sec. 16-4-23 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4	3	3	4	10	16	4	3	2	5	3	1
2	4	3	3	4	10	16	4	3	2	5	3	1
3	4	3	3	4	10	16	4	3	2	5	3	1
4	4	3	3	4	10	16	4	3	2	5	3	1
5	4	3	3	4	10	16	4	3	2	5	3	1
6	4	3	3	4	16	16	4	3	2	5	3	1
7	4	3	3	4	16	16	4	3	2	5	3	1
8	4	3	3	4	16	16	4	3	2	5	3	1
9	4	3	3	4	16	16	4	3	10	5	3	1
10	4	3	3	4	16	16	4	3	25	5	3	1
11	4	3	3	6	16	16	4	3	20	5	3	1
12	4	3	3	6	16	16	4	3	15	5	3	1
13	4	3	3	6	16	16	4	3	10	5	3	1
14	4	3	3	6	16	16	4	3	4	5	3	1
15	4	3	3	6	16	16	4	3	2	5	3	1
16	4	5	4	6	16	17	4	2	1	2	3	1
17	4	5	4	6	16	17	4	2	1	2	3	1
18	4	5	4	6	16	17	4	2	1	2	3	1
19	4	5	4	6	16	17	4	2	1	2	3	1
20	4	5	4	6	16	17	4	2	1	2	3	1
21	4	5	4	10	16	17	4	2	1	2	3	1
22	4	5	4	10	16	17	4	2	1	2	3	1
23	4	5	4	10	16	17	4	2	1	2	3	1
24	4	5	4	10	16	17	4	2	1	2	3	1
25	4	5	4	10	16	17	4	2	1	2	3	1
26	4	5	4	10	16	17	4	2	1	2	3	1
27	4	5	4	10	16	17	4	2	1	2	3	1
28	4	5	4	10	16	17	4	2	1	2	3	1
29	4	—	4	10	16	17	4	2	1	2	3	1
30	4	—	4	10	16	17	4	2	1	2	3	1
31	4	—	4	—	16	17	4	2	—	2	—	1
Mean	4	4	3	6	11	16	4	2	4	4	3	1
Max.	4	5	4	10	16	17	4	3	25	5	3	1
Min.	4	3	3	4	10	16	4	2	1	2	3	1
A.F.	246	218	216	397	726	1015	246	153	232	232	178	61

Total Acre-feet 3,920

DISCHARGE OF NIOBRARA RIVER AT GORDON—Sec. 15-31-41 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	150	150	180	160	304	167	121	82	131	170	174	160
2	150	150	180	160	324	170	118	78	121	178	167	160
3	150	150	180	160	262	186	116	80	121	262	167	160
4	150	150	180	160	286	206	114	80	156	210	167	160
5	150	150	180	160	304	219	114	90	163	219	174	160
6	150	150	180	160	384	202	153	90	174	198	170	170
7	150	150	180	160	298	224	124	150	198	186	174	170
8	150	150	180	160	256	228	107	206	170	186	174	170
9	150	150	180	160	391	224	107	160	178	202	170	170
10	150	150	180	160	444	224	98	128	182	198	174	170
11	110	230	235	202	859	219	96	121	163	219	170	155
12	110	230	235	219	544	219	86	128	136	238	170	155
13	110	230	235	228	354	194	116	131	143	198	167	155
14	110	230	235	233	310	156	109	109	126	170	160	143
15	110	230	235	233	262	160	105	134	136	202	163	150
16	110	230	235	733	233	156	92	150	128	198	156	150
17	110	230	235	572	233	156	90	150	131	167	170	136
18	110	230	235	304	298	143	90	126	126	170	178	136
19	110	230	235	298	247	153	107	114	116	198	160	156
20	110	230	235	247	242	156	262	107	118	160	78	131
21	110	370	200	219	242	143	202	109	121	153	160	124
22	110	370	200	194	233	139	121	111	121	160	165	126
23	110	370	200	194	210	143	107	118	126	170	165	139
24	110	370	200	202	178	136	98	114	118	174	165	146
25	110	370	200	262	170	124	92	114	136	170	165	143
26	110	370	200	274	174	128	90	153	186	170	160	124
27	110	370	200	242	210	126	88	178	190	202	160	124
28	110	370	200	316	170	118	84	233	219	170	160	128
29	110	.....	200	346	210	121	90	219	182	167	160	139
30	110	.....	200	316	178	124	92	167	170	167	160	146
31	110	.....	200	.....	146	.....	94	139	.....	170	.....	146
Mean	123	241	205	248	289	169	112	131	150	187	163	148
Max.	150	370	235	733	859	228	262	233	219	262	178	170
Min.	110	150	180	160	146	118	84	78	116	153	78	124
A. F.	7560	13400	12600	14800	17800	10100	6890	8060	8930	11500	9700	9100

Total Acre-feet 130,440

DISCHARGE OF NIOBRARA RIVER AT SPENCER—Sec. 30-33-11 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1130	1150	921	1510	2730	1390	982	678	1140	1060	1300	1400
2	1350	911	531	1520	2540	1510	770	700	1140	994	1150	1140
3	1310	1180	370	1500	2240	1940	918	648	955	1000	1340	1320
4	1280	1250	585	1370	2470	1760	704	688	926	1740	1220	1260
5	927	1260	1030	1360	1960	3520	690	765	907	1800	1200	1480
6	1140	1500	3190	1250	2200	2280	742	787	1550	1680	1240	1650
7	1030	1680	2500	1540	1530	1550	1120	854	1680	1510	1230	1560
8	909	1870	1850	1370	1870	1480	1060	824	986	1380	1310	1620
9	585	1940	2450	1160	1830	1500	858	940	991	1170	1140	1610
10	530	1770	2490	1290	1930	1460	792	1040	989	1210	1320	1720
11	360	1860	2000	1100	1360	1550	749	973	953	1100	1340	1650
12	382	1760	1860	1440	4500	1970	695	968	950	1930	1240	1420
13	474	1690	1760	1580	5240	1500	692	959	1070	1870	1220	1510
14	659	1640	1850	1900	4640	1550	916	768	888	1480	1270	1360
15	730	1580	1840	2070	3670	1440	780	795	1100	1280	1310	1110
16	808	2010	1570	2130	3170	1320	726	1160	924	1450	1230	1060
17	798	2240	1770	2360	2570	1170	689	2200	882	1180	1420	1140
18	828	2420	1670	3110	3070	1170	723	1480	886	1270	1290	1270
19	755	2320	1640	3020	2710	1220	818	1050	897	1090	1320	1200
20	1170	2850	1630	3900	2390	1300	693	972	969	1270	2050	1070
21	954	4100	1580	2970	2270	1210	997	966	887	1230	1060	825
22	943	3500	1600	2260	2240	1110	934	977	935	1310	1000	876
23	925	3760	1640	2170	1770	1390	944	1010	842	1240	1000	1100
24	971	3560	1820	1920	1780	1120	853	1030	800	1260	1160	1190
25	1010	2270	1550	1870	1700	1990	756	1100	944	1260	1450	1230
26	776	2050	1580	2280	1390	1520	775	996	1100	1120	901	1160
27	1110	1640	1470	2860	1310	1150	672	938	1140	1390	1010	1150
28	798	1540	1500	2300	1500	1100	758	877	1000	1300	858	1140
29	944	.....	1480	2410	1610	830	848	988	1000	1310	1280	1210
30	975	.....	1420	2640	1420	1040	770	1220	900	1250	1440	1060
31	1010	.....	1750	.....	1480	.....	842	934	.....	1200	.....	1110
Mean	889	2050	1640	2010	2360	1500	815	977	1010	1330	1240	1280
Max.	1350	4100	3190	3900	5240	3520	1120	2200	1680	1930	2050	1720
Min.	360	911	370	1100	1310	830	672	648	800	994	858	825
A. F.	54700	114000	101000	120000	145000	89300	50100	60100	60100	81800	73800	78700

Total Acre-feet 1,028,600

DISCHARGE OF OTTER CREEK—Sec. 9-15-40 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24	23	28	26	31	30	11	9	28	29	34	33
2	24	23	28	26	31	30	11	9	28	29	34	33
3	24	23	28	26	31	30	11	9	28	29	34	33
4	24	23	28	26	31	30	11	20	28	29	34	33
5	24	23	28	26	31	30	11	22	28	29	34	33
6	24	23	28	26	31	30	11	24	28	29	34	33
7	24	23	28	26	31	30	11	26	28	29	34	33
8	24	23	28	26	31	30	11	26	28	29	34	33
9	24	23	28	26	31	30	11	26	28	29	34	33
10	24	23	28	26	31	30	11	26	28	29	34	33
11	24	23	28	26	31	20	7	24	28	29	34	33
12	24	23	28	26	31	20	7	24	28	29	34	33
13	24	23	28	26	31	20	7	24	28	29	34	33
14	24	23	28	26	31	20	7	24	28	29	34	33
15	24	23	28	26	31	20	7	24	28	29	34	33
16	25	23	28	26	31	11	5	24	28	29	34	33
17	25	23	28	26	31	11	5	24	28	29	34	33
18	25	23	28	26	31	11	5	24	28	29	34	33
19	25	23	28	26	31	11	5	24	28	29	34	33
20	25	23	28	26	31	11	5	24	28	29	34	33
21	25	23	28	26	31	11	2	28	28	29	34	33
22	25	23	28	26	31	11	2	28	28	29	34	33
23	25	23	28	26	31	11	2	28	28	29	34	33
24	25	23	28	26	31	11	2	28	28	29	34	33
25	25	23	28	26	31	11	22	28	28	29	34	33
26	25	23	28	26	31	11	20	30	28	29	34	33
27	25	23	28	26	31	11	15	30	28	29	34	33
28	25	23	28	26	31	11	10	30	28	29	34	33
29	25	----	28	26	31	11	10	30	28	29	34	33
30	25	----	28	26	31	11	10	30	28	29	34	33
31	25	----	28	----	31	----	10	30	----	29	----	33
Mean	24	23	28	26	31	18	9	23	28	29	34	33
Max.	25	23	28	26	31	30	22	30	28	29	34	33
Min.	24	23	28	26	31	11	2	9	28	29	34	33
A. F.	1507	1277	1722	1547	1906	1121	545	1450	1666	1783	2023	2029

Total Acre-feet 18,577

DISCHARGE OF PAWNEE CREEK—Sec. 4-12-27 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11	11	12	9	12	9	6	7	9	9	14	22
2	11	11	12	9	12	9	6	7	9	9	14	22
3	11	11	12	9	12	9	6	7	9	9	14	22
4	11	11	12	9	12	9	6	7	9	9	14	22
5	11	11	12	9	12	9	6	7	9	9	14	22
6	11	11	12	9	12	9	7	7	9	9	14	22
7	11	11	12	9	12	9	7	7	9	9	14	22
8	11	11	12	9	12	9	7	7	9	9	14	22
9	11	11	12	9	12	9	7	7	9	9	14	22
10	11	11	12	9	12	9	7	7	9	9	14	22
11	11	11	12	12	12	9	7	7	9	9	14	22
12	11	11	12	12	12	9	7	7	9	9	14	22
13	11	11	12	12	12	9	7	7	9	9	14	22
14	11	11	12	12	12	9	7	7	9	9	14	22
15	11	11	12	12	12	9	7	7	9	9	14	22
16	8	11	12	12	14	8	6	5	9	12	14	22
17	8	11	12	12	14	8	6	5	9	12	14	22
18	8	11	12	12	14	8	6	5	9	12	14	22
19	8	11	12	12	14	8	6	5	9	12	14	22
20	8	11	12	12	14	8	6	5	9	12	14	22
21	8	11	12	15	14	8	6	5	9	12	27	22
22	8	11	12	15	14	8	6	5	9	12	27	22
23	8	11	12	15	14	8	6	5	9	12	27	22
24	8	11	12	15	14	8	6	5	9	10	27	22
25	8	11	12	15	14	8	6	5	9	10	27	22
26	6	11	12	15	14	8	5	5	9	10	27	22
27	6	11	12	15	14	8	5	5	9	10	27	22
28	6	11	12	15	14	8	5	5	9	10	27	22
29	6	----	12	15	14	8	5	5	9	10	27	22
30	6	----	12	15	14	8	7	5	9	10	27	22
31	6	----	12	----	14	----	7	5	----	10	----	22
Mean	9	11	12	12	13	8	6	6	9	10	18	22
Max.	11	11	12	15	14	9	7	7	9	12	27	22
Min.	6	11	12	9	12	8	5	5	9	9	14	22
A. F.	557	611	738	714	801	506	385	367	535	617	1091	1353

Total Acre-feet 8,275

DISCHARGE OF PUMPKINSEED CREEK AT MOUTH—Sec. 12-19-50 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	61	86	66	65	39	62	26	41	60	83	61	61
2	61	86	66	65	39	62	26	41	60	83	61	61
3	61	86	66	65	39	62	26	41	60	83	61	61
4	61	86	66	65	39	62	26	41	60	83	61	61
5	61	86	66	65	39	62	26	41	60	83	61	61
6	61	86	66	65	39	62	26	41	60	83	61	61
7	61	86	66	65	39	62	26	41	60	83	61	61
8	61	86	66	65	39	62	26	41	60	83	61	61
9	61	86	66	65	39	62	26	41	60	83	61	61
10	61	86	66	65	39	62	26	41	60	83	61	61
11	61	86	66	65	108	50	46	55	70	83	61	61
12	61	86	66	65	108	50	46	55	70	83	61	61
13	61	86	66	65	108	50	46	55	70	83	61	61
14	61	86	66	65	108	50	46	55	70	83	61	61
15	61	86	66	65	108	50	46	55	70	83	61	61
16	68	76	66	39	108	50	46	55	70	83	61	73
17	68	76	66	39	108	50	46	55	70	83	61	73
18	68	76	66	39	108	50	46	55	70	83	61	73
19	68	76	66	39	108	50	46	55	70	83	61	73
20	68	76	66	39	108	50	46	55	70	83	61	73
21	68	76	46	39	62	40	32	55	80	83	61	73
22	68	76	46	39	62	40	32	55	80	83	61	73
23	68	76	46	39	62	40	32	55	80	83	61	73
24	68	76	46	39	62	40	32	55	80	83	61	73
25	68	76	46	39	62	40	32	55	80	83	61	73
26	68	76	46	39	62	40	32	55	80	83	61	73
27	68	76	46	39	62	40	32	55	80	83	61	73
28	68	76	46	39	62	40	32	55	80	83	61	73
29	68	.....	46	39	62	40	32	55	80	83	61	73
30	68	.....	46	39	62	40	32	55	80	83	61	73
31	68	.....	46	.....	62	.....	32	55	.....	83	.....	73
Mean	65	81	59	55	70	54	35	51	70	83	61	67
Max.	68	86	66	65	108	62	46	55	80	83	61	73
Min.	61	76	46	39	39	40	26	41	60	83	61	61
A. F.	3973	4518	3622	3094	4268	3015	2126	3104	4165	5101	3630	4132

Total Acre-feet 44,748

DISCHARGE OF RED WILLOW CREEK—Sec. 7-20-51 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49	53	53	29	127	141	4	4	84	84	81	76
2	49	53	53	29	127	141	4	4	84	84	81	76
3	49	53	53	29	127	141	4	4	84	84	81	76
4	49	53	53	29	127	141	4	4	84	84	81	76
5	49	53	53	29	127	141	4	4	84	84	81	76
6	49	53	53	29	127	141	4	4	84	84	81	76
7	49	53	53	29	127	141	4	4	84	84	81	76
8	49	53	53	29	127	141	4	4	84	84	81	76
9	49	53	53	29	127	141	4	4	84	84	81	76
10	49	53	53	29	127	141	4	4	84	84	81	76
11	49	53	39	30	127	141	4	100	84	70	69	76
12	49	53	39	30	127	141	4	100	84	70	69	76
13	49	53	39	30	127	141	4	100	84	70	69	76
14	49	53	39	30	127	141	4	100	84	70	69	76
15	49	53	39	30	127	141	4	100	84	70	69	76
16	49	53	39	30	127	141	4	300	84	70	69	76
17	49	53	39	30	127	141	4	300	84	70	69	76
18	49	53	39	30	127	141	4	300	84	70	69	76
19	49	53	39	30	127	141	4	300	84	70	69	76
20	49	53	39	30	127	141	4	300	84	70	69	76
21	49	53	39	30	160	15	4	212	84	19	69	55
22	49	53	39	30	160	15	4	212	84	19	69	55
23	49	53	39	30	160	15	4	212	84	19	69	55
24	49	53	39	30	160	15	4	212	84	19	69	55
25	49	53	39	30	160	15	4	212	84	19	69	55
26	49	53	39	30	160	15	4	212	84	19	69	55
27	49	53	39	30	160	15	4	212	84	19	69	55
28	49	53	39	30	160	15	4	212	84	19	69	55
29	49	.....	39	30	160	15	4	212	84	19	69	55
30	49	.....	39	30	160	15	4	212	84	19	69	55
31	49	.....	39	.....	160	.....	4	212	.....	19	.....	55
Mean	49	53	44	30	138	99	4	141	84	56	75	68
Max.	49	53	53	30	160	141	4	300	84	84	81	76
Min.	49	53	39	29	127	15	4	4	84	19	69	55
A. F.	3013	2943	2676	1765	8529	5891	246	8672	4998	3469	4481	4215

Total Acre-feet 50,898

DISCHARGE OF RED WILLOW CREEK—Sec. 17-3-28 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22	21	27	30	36	32	39	35	33	14	47	23
2	22	21	27	30	36	32	39	35	33	14	47	23
3	22	21	27	30	36	32	39	35	33	14	47	23
4	22	21	27	30	36	32	39	35	33	14	47	23
5	22	21	27	30	36	32	39	35	33	14	47	23
6	22	21	27	30	36	32	39	35	33	14	47	23
7	22	21	27	30	36	32	39	35	33	14	47	23
8	22	21	27	30	36	32	39	35	33	14	47	23
9	22	21	27	30	36	32	39	35	33	14	47	23
10	22	21	27	30	36	32	39	35	33	14	47	23
11	22	21	27	45	36	32	39	35	11	14	47	23
12	22	21	27	45	36	32	39	35	11	50	47	23
13	22	21	27	45	36	32	104	35	11	100	47	23
14	22	21	27	45	36	32	50	35	11	150	47	23
15	22	21	27	45	36	32	39	35	11	108	47	23
16	22	36	30	45	78	39	39	35	11	90	47	23
17	22	36	30	45	78	39	39	35	11	70	47	23
18	22	36	30	45	78	39	39	35	11	70	47	23
19	22	36	30	45	78	39	39	35	11	70	150	23
20	22	36	30	45	78	39	39	35	11	70	100	23
21	22	36	30	45	78	39	39	14	11	70	70	40
22	22	36	30	45	78	39	39	14	11	70	47	40
23	22	36	30	45	78	39	39	14	11	70	47	40
24	22	36	30	45	78	39	39	14	11	70	47	40
25	22	36	30	45	78	39	39	14	11	70	47	40
26	22	36	30	45	78	39	39	14	11	50	30	40
27	22	36	30	45	78	39	39	14	11	50	30	40
28	22	36	30	45	78	39	39	14	11	50	30	40
29	22	.....	30	45	78	39	39	14	11	50	30	40
30	22	.....	30	45	78	39	39	14	11	50	30	40
31	22	.....	30	.....	78	.....	39	14	.....	50	.....	40
Mean	22	28	28	40	57	35	41	27	18	51	50	29
Max.	22	36	30	45	78	39	104	35	33	108	150	40
Min.	22	21	27	30	36	32	39	14	11	14	30	23
A. F.	1353	1561	1755	2380	3546	2112	2549	1694	1091	3138	2983	1785

Total Acre-feet 25,947

DISCHARGE OF REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE—

Sec. 9-1-42 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	85	63	60	59	44	104	54	31	51	34	76	93
2	85	63	60	59	44	104	54	31	51	34	76	93
3	85	63	60	59	44	104	54	31	51	34	76	93
4	85	63	60	59	44	104	54	31	51	34	76	93
5	85	63	60	59	44	104	54	31	51	34	76	93
6	85	63	60	59	44	104	54	31	35	48	76	93
7	85	63	60	59	44	104	54	31	35	48	76	93
8	85	63	60	59	44	104	54	31	35	48	76	93
9	85	63	60	59	44	104	54	31	35	48	76	93
10	85	63	60	59	44	104	54	31	35	48	76	93
11	85	63	60	59	44	104	54	35	22	60	71	93
12	85	63	60	59	44	104	54	35	22	60	71	93
13	85	63	106	59	44	104	54	35	22	60	71	93
14	85	63	80	59	44	104	54	35	22	60	71	93
15	85	63	75	59	44	104	54	35	22	60	71	93
16	85	59	75	59	64	50	54	35	22	87	71	93
17	85	59	75	59	64	50	54	35	22	87	71	93
18	85	59	75	59	64	50	54	35	22	87	71	93
19	85	59	75	59	64	50	54	35	22	87	71	93
20	85	59	75	59	64	50	54	35	22	87	71	93
21	85	59	77	59	64	33	45	51	34	87	71	85
22	85	59	77	59	64	33	45	51	34	87	71	85
23	85	59	77	59	64	33	45	51	34	87	71	85
24	85	59	77	59	64	33	45	51	34	87	71	85
25	85	59	77	59	64	33	45	51	34	87	71	85
26	85	59	77	59	64	33	45	51	34	87	71	85
27	85	59	77	59	64	33	45	51	34	87	71	85
28	85	59	77	59	64	33	45	51	34	87	71	85
29	85	.....	77	59	64	33	45	51	34	87	71	85
30	85	.....	77	59	64	33	45	51	34	87	71	85
31	85	.....	77	.....	64	.....	45	51	.....	87	.....	85
Mean	85	61	74	59	54	71	51	39	33	68	72	90
Max.	85	63	106	59	64	104	54	51	51	87	76	93
Min.	85	59	60	59	44	33	45	31	22	34	71	85
A. F.	5226	3396	4568	3511	3340	4245	3124	2422	1963	4169	4324	5544

Total Acre-feet 45,832

DISCHARGE OF ROCK CREEK—Sec. 21-1-39 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17	14	18	15	14	17	15	12	14	15	18	15
2	17	14	18	15	14	17	15	12	14	15	18	15
3	17	14	18	15	14	17	15	12	14	15	18	15
4	17	14	18	15	14	17	15	12	14	15	18	15
5	17	14	18	15	14	17	15	12	14	15	18	15
6	17	14	18	15	14	17	15	18	14	15	18	15
7	17	14	18	15	14	17	15	18	14	15	18	15
8	17	14	18	15	14	17	15	18	14	15	18	15
9	17	14	18	15	14	17	15	18	14	15	18	15
10	17	14	18	15	14	17	15	18	14	15	18	15
11	17	14	18	15	14	17	15	18	14	15	12	15
12	17	14	18	15	14	17	15	18	14	15	12	15
13	17	14	18	15	14	17	15	18	14	15	12	15
14	17	14	18	15	14	17	15	18	14	15	12	15
15	17	14	18	15	14	17	15	18	14	15	12	15
16	17	15	16	15	16	15	12	12	13	15	12	15
17	17	15	16	15	16	15	12	12	13	15	12	15
18	17	15	16	15	16	15	12	12	13	15	12	15
19	17	15	16	15	16	15	12	12	13	15	12	15
20	17	15	16	15	16	15	12	12	13	15	12	15
21	17	15	16	15	16	15	12	12	13	15	12	15
22	17	15	16	15	16	15	12	12	13	15	12	15
23	17	15	16	15	16	15	12	12	13	15	12	15
24	17	15	16	15	16	15	12	12	13	15	12	15
25	17	15	16	15	16	15	12	12	13	15	12	15
26	17	15	16	15	16	15	12	12	13	15	12	15
27	17	15	16	15	16	15	12	12	13	15	12	15
28	17	15	16	15	16	15	12	12	13	15	12	15
29	17	.....	16	15	16	15	12	12	13	15	12	15
30	17	.....	16	15	16	15	12	12	13	15	12	15
31	17	.....	16	.....	16	.....	12	12	.....	15	.....	15
Mean	17	14	17	15	15	16	13	14	13	15	14	15
Max.	17	15	18	15	16	17	15	18	14	15	18	15
Min.	17	14	16	15	14	15	12	12	13	15	12	15
A. F.	1045	803	1043	892	924	981	827	857	803	922	833	922

Total Acre-feet 10,852

DISCHARGE OF SAND CREEK—Sec. 10-15-40 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5	5	5	4	4	6	5	4	3	3	5	8
2	5	5	5	4	4	6	5	4	3	3	5	8
3	5	5	5	4	4	6	5	4	3	3	5	8
4	5	5	5	4	4	6	5	4	3	3	5	8
5	5	5	5	4	4	6	5	4	3	3	5	8
6	5	5	5	4	4	6	5	3	3	3	5	8
7	5	5	5	4	4	6	5	3	3	3	5	8
8	5	5	5	4	4	6	5	3	3	3	5	8
9	5	5	5	4	4	6	5	3	3	3	5	8
10	5	5	5	4	4	6	5	3	3	3	5	8
11	5	5	5	4	4	6	4	4	3	3	5	8
12	5	5	5	4	4	6	4	4	3	3	5	8
13	5	5	5	4	4	6	4	4	3	3	5	8
14	5	5	5	4	4	6	4	4	3	3	5	8
15	5	5	5	4	4	6	4	4	3	3	5	8
16	4	5	5	4	4	8	4	4	3	3	5	5
17	4	5	5	4	4	8	4	4	3	3	5	5
18	4	5	5	4	4	8	4	4	3	3	5	5
19	4	5	5	4	4	8	4	4	3	3	5	5
20	4	5	5	4	4	8	4	4	3	3	5	5
21	4	5	5	4	4	8	3	4	3	3	5	5
22	4	5	5	4	4	8	3	4	3	3	5	5
23	4	5	5	4	4	8	3	4	3	3	5	5
24	4	5	5	4	4	8	3	4	3	3	5	5
25	4	5	5	4	4	8	1	4	3	3	5	5
26	4	5	5	4	4	8	1	4	3	3	5	5
27	4	5	5	4	4	8	1	4	3	3	5	5
28	4	5	5	4	4	8	1	4	3	3	5	5
29	4	.....	5	4	4	8	1	4	3	3	5	5
30	4	.....	5	4	4	8	1	4	3	3	5	5
31	4	.....	5	.....	4	.....	1	4	.....	3	.....	5
Mean	5	5	5	4	4	7	3	4	3	3	5	6
Max.	5	5	5	4	4	8	5	4	3	3	5	8
Min.	4	5	5	4	4	6	1	3	3	3	5	5
A. F.	246	278	307	238	246	416	216	236	178	184	297	397

Total Acre-feet 3,239

DISCHARGE OF SCOTTSBLUFF DRAIN—Sec. 25-22-54 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22	22	8	7	12	14	17	20	21	22	18	16
2	22	22	8	7	12	14	17	20	21	22	18	16
3	22	22	8	7	12	14	17	20	21	22	18	16
4	22	22	8	7	12	14	17	20	21	22	18	16
5	22	22	8	7	12	14	17	20	21	22	18	16
6	22	22	8	7	12	14	17	20	21	22	18	16
7	22	22	8	7	12	14	17	20	21	22	18	16
8	22	22	8	7	12	14	17	20	21	22	18	16
9	22	22	8	7	12	14	17	20	21	22	18	16
10	22	22	8	7	12	14	17	20	21	22	18	16
11	22	22	8	7	12	14	17	20	21	22	18	16
12	22	22	8	7	12	14	17	20	21	22	18	16
13	22	22	8	7	12	14	17	20	21	22	18	16
14	22	22	8	7	12	14	17	20	21	22	18	16
15	22	22	8	7	12	14	17	20	21	22	18	16
16	22	11	7	5	12	14	17	20	21	21	19	16
17	22	11	7	5	12	14	17	20	21	21	19	16
18	22	11	7	5	12	14	17	20	21	21	19	16
19	22	11	7	5	12	14	17	20	21	21	19	16
20	22	11	7	5	12	14	17	20	21	21	19	16
21	22	11	7	5	12	14	17	20	21	21	19	16
22	22	11	7	5	12	14	17	20	21	21	19	16
23	22	11	7	5	12	14	17	20	21	21	19	16
24	22	11	7	5	12	14	17	20	21	21	19	16
25	22	11	7	5	12	14	17	20	21	21	19	16
26	22	11	7	5	12	14	17	20	21	21	19	16
27	22	11	7	5	12	14	17	20	21	21	19	16
28	22	11	7	5	12	14	17	20	21	21	19	16
29	22	.....	7	5	12	14	17	20	21	21	19	16
30	22	.....	7	5	12	14	17	20	21	21	19	16
31	22	.....	7	.....	12	.....	17	20	.....	21	.....	16
Mean	22	17	7	6	12	14	17	20	21	21	18	16
Max.	22	22	8	7	12	14	17	20	21	22	19	16
Min.	22	11	7	5	12	14	17	20	21	21	18	16
A. F.	1353	938	460	357	738	833	1045	1230	1250	1321	1091	984

Total Acre-feet 11,660

DISCHARGE OF SHEEP CREEK—Sec. 21-23-57 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	81	89	89	71	75	78	2	20	22	120	127	109
2	81	89	89	71	75	78	2	20	22	120	127	109
3	81	89	89	71	75	78	2	20	22	120	127	109
4	81	89	89	71	75	78	2	20	22	120	127	109
5	81	89	89	71	75	78	2	20	22	120	127	109
6	81	89	89	71	75	78	2	20	22	120	127	109
7	81	89	89	71	75	78	2	20	22	120	127	109
8	81	89	89	71	75	78	2	20	22	120	127	109
9	81	89	89	71	75	78	2	20	22	120	127	109
10	81	89	89	71	75	78	2	20	22	120	127	109
11	81	89	89	71	75	0	2	20	22	120	127	109
12	81	89	89	71	75	0	2	20	22	120	127	109
13	81	89	89	71	75	0	2	20	22	120	127	109
14	81	89	89	71	75	0	2	20	22	120	127	109
15	81	89	89	71	75	0	2	20	22	120	127	109
16	81	89	70	75	78	5	2	20	15	135	127	85
17	81	89	70	75	78	5	2	20	15	135	127	85
18	81	89	70	75	78	5	2	20	15	135	127	85
19	81	89	70	75	78	5	2	20	15	135	127	85
20	81	89	70	75	78	5	2	20	15	135	127	85
21	81	89	70	75	78	5	2	20	15	135	116	85
22	81	89	70	75	78	5	2	20	15	135	116	85
23	81	89	70	75	78	5	2	20	15	135	116	85
24	81	89	70	75	78	5	2	20	15	135	116	85
25	81	89	70	75	78	5	2	20	15	135	116	85
26	81	89	70	75	78	5	2	20	15	135	116	85
27	81	89	70	75	78	5	2	20	15	135	116	85
28	81	89	70	75	78	5	2	20	15	135	116	85
29	81	.....	70	75	78	5	2	20	15	135	116	85
30	81	.....	70	75	78	5	2	20	15	135	116	85
31	81	.....	70	.....	78	.....	2	20	.....	135	.....	85
Mean	81	89	79	73	76	28	2	20	18	128	123	96
Max.	81	89	89	75	78	78	2	20	22	135	127	109
Min.	81	89	70	71	75	0	2	20	15	120	116	85
A. F.	4980	4943	4869	4344	4707	1696	123	1229	1101	7855	7339	5940

Total Acre-feet 49,126

DISCHARGE OF SILVERNAIL DRAIN—Sec. 6-19-49 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9	9	8	9	8	10	7	7	9	15	17	15
2	9	9	8	9	8	10	7	7	9	15	17	15
3	9	9	8	9	8	10	7	7	9	15	17	15
4	9	9	8	9	8	10	7	7	9	15	17	15
5	9	9	8	9	8	10	7	7	9	15	17	15
6	9	9	8	9	8	10	7	7	9	15	17	15
7	9	9	8	9	8	10	7	7	9	15	17	15
8	9	9	8	9	8	10	7	7	9	15	17	15
9	9	9	8	9	8	10	7	7	9	15	17	15
10	9	9	8	9	8	10	7	7	9	15	17	15
11	9	9	8	9	8	10	7	7	9	15	17	15
12	9	9	8	9	8	10	7	7	9	15	17	15
13	9	9	8	9	8	10	7	7	9	15	17	15
14	9	9	8	9	8	10	7	7	9	15	17	15
15	9	9	8	9	8	10	7	7	9	15	17	15
16	9	9	6	5	11	7	7	7	9	15	17	15
17	9	9	6	5	11	7	7	7	9	15	17	15
18	9	9	6	5	11	7	7	7	9	15	17	15
19	9	9	6	5	11	7	7	7	9	15	17	15
20	9	9	6	5	11	7	7	7	9	15	17	15
21	9	9	6	5	11	7	7	7	19	15	17	15
22	9	9	6	5	11	7	7	7	19	15	17	15
23	9	9	6	5	11	7	7	7	19	15	17	15
24	9	9	6	5	11	7	7	7	19	15	17	15
25	9	9	6	5	11	7	7	7	19	15	17	15
26	9	9	6	5	11	7	7	7	30	15	17	15
27	9	9	6	5	11	7	7	7	20	15	17	15
28	9	9	6	5	11	7	7	7	15	15	17	15
29	9	—	6	5	11	7	7	7	15	15	17	15
30	9	—	6	5	11	7	7	7	15	15	17	15
31	9	—	6	—	11	—	7	7	—	15	—	15
Mean	9	9	7	7	9	8	7	7	12	15	17	15
Max.	9	9	8	9	11	10	7	7	30	15	17	15
Min.	9	9	6	5	8	7	7	7	9	15	17	15
A. F.	553	500	428	416	587	506	430	430	734	893	1012	922

Total Acre-feet 7,411

DISCHARGE OF SKUNK CREEK—Sec. 1-14-37 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4	9	2	3	4	3	1	0	2	3	3	2
2	4	9	2	3	4	3	1	0	2	3	3	2
3	4	9	2	3	4	3	1	0	2	3	3	2
4	4	9	2	3	4	3	1	0	2	3	3	2
5	4	9	2	3	4	3	1	0	2	3	3	2
6	4	9	2	3	4	3	1	3	2	3	3	2
7	4	9	2	3	4	3	1	3	2	3	3	2
8	4	9	2	3	4	3	1	3	2	3	3	2
9	4	9	2	3	4	3	1	3	2	3	3	2
10	4	9	2	3	4	3	1	3	2	3	3	2
11	4	9	2	3	4	3	1	2	2	3	3	2
12	4	9	2	3	4	3	1	2	2	3	3	2
13	4	9	2	3	4	3	1	2	2	3	3	2
14	4	9	2	3	4	3	1	2	2	3	3	2
15	4	9	2	3	4	3	1	2	2	3	3	2
16	4	4	2	4	3	3	2	2	2	2	3	2
17	4	4	2	4	3	3	2	2	2	2	3	2
18	4	4	2	4	3	3	2	2	2	2	3	2
19	4	4	2	4	3	3	2	2	2	2	3	2
20	4	4	2	4	3	3	2	2	2	2	3	2
21	4	4	2	4	3	3	2	2	2	2	3	2
22	4	4	2	4	3	3	2	2	2	2	3	2
23	4	4	2	4	3	3	2	2	2	2	3	2
24	4	4	2	4	3	3	2	2	2	2	3	2
25	4	4	2	4	3	3	2	2	2	2	3	2
26	4	4	2	4	3	3	2	2	2	2	3	2
27	4	4	2	4	3	3	2	2	2	2	3	2
28	4	4	2	4	3	3	2	2	2	2	3	2
29	4	—	2	4	3	3	2	2	2	2	3	2
30	4	—	2	4	3	3	2	2	2	2	3	2
31	4	—	2	—	3	—	2	2	—	2	—	2
Mean	4	7	2	3	3	3	1	2	2	2	3	2
Max.	4	9	2	4	4	3	2	3	2	3	3	2
Min.	4	4	2	3	3	3	1	1	2	2	3	2
A. F.	246	371	123	208	214	178	93	113	119	153	178	123

Total Acre-feet 2,119

DISCHARGE OF SNELL AND NINE MILE DRAINS—Sec. 25-21-53 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	120	118	118	100	86	118	150	196	268	270	216	165
2	120	118	118	100	86	118	150	196	268	270	216	165
3	120	118	118	100	86	118	150	196	268	270	216	165
4	120	118	118	100	86	118	150	196	268	270	216	165
5	120	118	118	100	86	118	150	196	268	270	216	165
6	120	118	118	100	86	118	150	196	268	270	216	165
7	120	118	118	100	86	118	150	196	268	270	216	165
8	120	118	118	100	86	118	150	196	268	270	216	165
9	120	118	118	100	86	118	150	196	268	270	216	165
10	120	118	118	100	86	118	150	196	268	270	216	165
11	120	118	118	100	113	118	196	268	268	270	186	165
12	120	118	118	100	113	118	196	268	268	270	186	165
13	120	118	118	100	113	118	196	268	268	270	186	165
14	120	118	118	100	113	118	196	268	268	270	186	165
15	120	118	118	100	113	118	196	268	268	270	186	165
16	120	118	93	86	113	118	196	268	270	270	186	138
17	120	118	93	86	113	118	196	268	270	270	186	138
18	120	118	93	86	113	118	196	268	270	270	186	138
19	120	118	93	86	113	118	196	268	270	270	186	138
20	120	118	93	86	113	118	196	268	270	270	186	138
21	120	118	93	86	113	118	196	268	270	216	170	138
22	120	118	93	86	113	118	196	268	270	216	170	138
23	120	118	93	86	113	118	196	268	270	216	170	138
24	120	118	93	86	113	118	196	268	270	216	170	138
25	120	118	93	86	113	118	196	268	270	216	170	138
26	120	118	93	86	113	118	196	268	270	216	170	138
27	120	118	93	86	113	118	196	268	270	216	170	138
28	120	118	93	86	113	118	196	268	270	216	170	138
29	120	.....	93	86	113	118	196	268	270	216	170	138
30	120	.....	93	86	113	118	196	268	270	216	170	138
31	120	.....	93	.....	113	.....	196	268	.....	216	.....	138
Mean	120	118	105	93	104	118	181	244	269	250	190	151
Max.	120	118	118	100	113	118	196	268	270	270	216	165
Min.	120	118	93	86	86	118	150	196	268	216	170	138
A. F.	7379	6553	6462	5534	6413	7021	11139	15051	16001	15424	11345	9289

Total Acre-feet 117,611

DISCHARGE OF SPOTTED TAIL CREEK, DRY—Sec. 28-23-56 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44	43	28	25	23	39	45	72	103	68	86	54
2	44	43	28	25	23	39	45	72	103	68	86	54
3	44	43	28	25	23	39	45	72	103	68	86	54
4	44	43	28	25	23	39	45	72	103	68	86	54
5	44	43	28	25	23	39	45	72	103	68	86	54
6	44	43	28	25	23	39	45	72	103	68	86	54
7	44	43	28	25	23	39	45	72	103	68	86	54
8	44	43	28	25	23	39	45	72	103	68	86	54
9	44	43	28	25	23	39	45	72	103	68	86	54
10	44	43	28	25	23	39	45	72	103	68	86	54
11	44	43	28	25	23	39	65	72	93	68	34	54
12	44	43	28	25	23	39	65	72	93	68	34	54
13	44	43	28	25	23	39	65	72	93	68	34	54
14	44	43	28	25	23	39	65	72	93	68	34	54
15	44	43	28	25	23	39	65	72	93	68	34	54
16	44	43	28	23	40	45	85	72	93	95	34	45
17	44	43	28	23	40	45	85	72	93	95	34	45
18	44	43	28	23	40	45	85	72	93	95	34	45
19	44	43	28	23	40	45	85	72	93	95	34	45
20	44	43	28	23	40	45	85	72	93	95	34	45
21	44	43	28	23	40	45	115	72	84	95	34	45
22	44	43	28	23	40	45	115	72	84	95	34	45
23	44	43	28	23	40	45	115	72	84	95	34	45
24	44	43	28	23	40	45	115	72	84	95	34	45
25	44	43	28	23	40	45	115	72	84	95	34	45
26	44	43	28	23	40	45	115	72	84	95	34	45
27	44	43	28	23	40	45	115	72	84	95	34	45
28	44	43	28	23	40	45	115	72	84	95	34	45
29	44	.....	28	23	40	45	115	72	84	95	34	45
30	44	.....	28	23	40	45	115	72	84	95	34	45
31	44	.....	28	.....	40	.....	115	72	.....	95	.....	45
Mean	44	43	28	24	32	42	83	72	93	82	51	49
Max.	44	43	28	25	40	45	115	72	103	95	86	54
Min.	44	43	28	23	23	39	45	72	84	68	34	45
A. F.	2705	2388	1722	1428	1954	2499	4889	4427	5554	5038	3054	3035

Total Acre-feet 38,693

DISCHARGE OF SPOTTED TAIL CREEK, WET AND KRONBERG SEEP—
Sec. 1-22-56 W.
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17	13	13	14	7	12	12	15	22	16	16	14
2	17	13	13	14	7	12	12	15	22	16	16	14
3	17	13	13	14	7	12	12	15	22	16	16	14
4	17	13	13	14	7	12	12	15	22	16	16	14
5	17	13	13	14	7	12	12	15	22	16	16	14
6	17	13	13	14	7	12	12	15	22	16	16	14
7	17	13	13	14	7	12	12	15	22	16	16	14
8	17	13	13	14	7	12	12	15	22	16	16	14
9	17	13	13	14	7	12	12	15	22	16	16	14
10	17	13	13	14	7	12	12	15	22	16	16	14
11	17	13	13	14	7	12	15	35	22	16	16	14
12	17	13	13	14	7	12	15	35	22	16	16	14
13	17	13	13	14	7	12	15	35	22	16	16	14
14	17	13	13	14	7	12	15	35	22	16	16	14
15	17	13	13	14	7	12	15	35	22	16	16	14
16	17	13	13	7	12	12	15	35	21	26	22	14
17	17	13	13	7	12	12	15	35	21	26	22	14
18	17	13	13	7	12	12	15	35	21	26	22	14
19	17	13	13	7	12	12	15	35	21	26	22	14
20	17	13	13	7	12	12	15	35	21	26	22	14
21	17	13	13	7	12	12	15	20	21	26	22	14
22	17	13	13	7	12	12	15	20	21	26	22	14
23	17	13	13	7	12	12	15	20	21	26	22	14
24	17	13	13	7	12	12	15	20	21	26	22	14
25	17	13	13	7	12	12	15	20	21	26	22	14
26	17	13	13	7	12	12	15	20	21	26	22	14
27	17	13	13	7	12	12	15	20	21	26	22	14
28	17	13	13	7	12	12	15	20	21	26	22	14
29	17	.....	13	7	12	12	15	20	21	26	22	14
30	17	.....	13	7	12	12	15	20	21	26	22	14
31	17	.....	13	.....	12	12	15	20	.....	26	.....	14
Mean	17	13	13	10	10	12	14	23	21	20	19	14
Max.	17	13	13	14	12	12	15	35	22	26	22	14
Min.	17	13	13	7	7	12	12	15	21	16	16	14
A. F.	1045	722	799	625	589	738	863	1428	1279	1250	1130	861

Total Acre-feet 11,329

DISCHARGE OF STEWARTS DRAIN—Sec. 13-23-57 W.
Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2	2	1	1	0.5	0	0.5	1	3	2	2	1
2	2	2	1	1	.5	0	.5	1	3	2	2	1
3	2	2	1	1	.5	0	.5	1	3	2	2	1
4	2	2	1	1	.5	0	.5	1	3	2	2	1
5	2	2	1	1	.5	0	.5	1	3	2	2	1
6	2	2	1	1	.5	0	.5	1	3	2	2	1
7	2	2	1	1	.5	0	.5	1	3	2	2	1
8	2	2	1	1	.5	0	.5	1	3	2	2	1
9	2	2	1	1	.5	0	.5	1	3	2	2	1
10	2	2	1	1	.5	0	.5	1	3	2	2	1
11	2	2	1	1	.5	0	.5	1	3	2	2	1
12	2	2	1	1	.5	0	.5	1	3	2	2	1
13	2	2	1	1	.5	0	.5	1	3	2	2	1
14	2	2	1	1	.5	0	.5	1	3	2	2	1
15	2	2	1	1	.5	0	.5	1	3	2	2	1
16	2	2	1	1	.5	0	.5	1	2	2	2	1
17	2	2	1	1	.5	0	.5	1	2	2	2	1
18	2	2	1	1	.5	0	.5	1	2	2	2	1
19	2	2	1	1	.5	0	.5	1	2	2	2	1
20	2	2	1	1	.5	0	.5	1	2	2	2	1
21	2	2	1	.4	.5	0	.5	1	2	2	2	1
22	2	2	1	.4	.5	0	.5	1	2	2	2	1
23	2	2	1	.4	.5	0	.5	1	2	2	2	1
24	2	2	1	.4	.5	0	.5	1	2	2	2	1
25	2	2	1	.4	.5	0	.5	1	2	2	2	1
26	2	2	1	.4	.5	0	.5	1	2	2	2	1
27	2	2	1	.4	.5	0	.5	1	2	2	2	1
28	2	2	1	.4	.5	0	.5	1	2	2	2	1
29	2	.....	1	.4	.5	0	.5	1	2	2	2	1
30	2	.....	1	.4	.5	0	.5	1	2	2	2	1
31	2	.....	1	.....	.5	.....	.5	1	.....	2	.....	1
Mean	2	2	1	1	0.5	0	0.5	1	2	2	2	1
Max.	2	2	1	1	.5	0	.5	1	3	2	2	1
Min.	2	2	1	.4	.5	0	.5	1	2	2	2	1
A. F.	123	111	60	48	30	0	30	61	149	123	119	61

Total Acre-feet 915

DISCHARGE OF STINKING WATER CREEK—Sec. 25-5-34 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40	60	49	45	54	66	30	26	89	63	33	37
2	40	60	49	45	54	66	30	26	89	63	33	37
3	40	60	49	45	54	66	30	26	89	63	33	37
4	40	60	49	45	54	66	30	26	89	63	33	37
5	40	60	49	45	54	66	30	26	89	63	33	37
6	40	60	49	45	54	66	30	26	89	63	33	37
7	40	60	49	45	54	66	30	26	89	63	33	37
8	40	60	49	45	54	66	30	26	89	63	33	37
9	40	60	49	45	54	66	30	26	89	63	33	37
10	40	60	49	45	54	66	30	26	89	63	33	37
11	40	60	49	50	54	50	10	26	40	63	33	37
12	40	60	49	50	54	50	10	26	40	63	33	37
13	40	60	49	50	54	50	10	26	40	63	33	37
14	40	60	49	50	54	50	10	26	40	63	33	37
15	40	60	49	50	54	50	10	26	40	63	33	37
16	40	64	45	58	39	50	10	29	40	48	33	37
17	40	64	45	58	39	50	10	29	40	48	33	37
18	40	64	45	58	39	50	10	29	40	48	33	37
19	40	64	45	58	39	50	10	29	40	48	33	37
20	40	64	45	58	39	50	10	29	40	48	33	37
21	40	64	45	58	39	36	30	29	20	48	33	37
22	40	64	45	58	39	36	30	29	20	48	33	37
23	40	64	45	58	39	36	30	29	20	48	33	37
24	40	64	45	58	39	36	30	29	20	48	33	37
25	40	64	45	58	39	36	30	29	20	48	33	37
26	40	64	45	58	39	36	30	29	20	48	33	37
27	40	64	45	58	39	36	30	29	20	48	33	37
28	40	64	45	58	39	36	30	29	20	48	33	37
29	40	.....	45	58	39	36	30	29	20	48	33	37
30	40	.....	45	58	39	36	30	29	20	48	33	37
31	40	.....	45	.....	39	.....	30	29	.....	48	.....	37
Mean	40	62	47	52	46	52	23	27	49	55	33	37
Max.	40	64	49	58	54	66	30	29	89	63	33	37
Min.	40	60	45	45	39	36	10	26	20	48	33	37
A. F.	2460	3435	2886	3114	2844	3114	1448	1694	2995	3398	1964	1680

Total Acre-feet 31,032

DISCHARGE OF TOOHEY DRAIN—Sec. 20-23-56 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5	5	2	2	4	1	3	3	7	6	4	4
2	5	5	2	2	4	1	3	3	7	6	4	4
3	5	5	2	2	4	1	3	3	7	6	4	4
4	5	5	2	2	4	1	3	3	7	6	4	4
5	5	5	2	2	4	1	3	3	7	6	4	4
6	5	5	2	2	4	1	3	3	7	6	4	4
7	5	5	2	2	4	1	3	3	7	6	4	4
8	5	5	2	2	4	1	3	3	7	6	4	4
9	5	5	2	2	4	1	3	3	7	6	4	4
10	5	5	2	2	4	1	3	3	7	6	4	4
11	5	2	2	2	4	1	3	3	7	6	4	4
12	5	2	2	2	4	1	3	3	7	6	4	4
13	5	2	2	2	4	1	3	3	7	6	4	4
14	5	2	2	2	4	1	3	3	7	6	4	4
15	5	2	2	2	4	1	3	3	7	6	4	4
16	5	2	2	2	4	3	3	3	5	10	7	4
17	5	2	2	2	4	3	3	3	5	10	7	4
18	5	2	2	2	4	3	3	3	5	10	7	4
19	5	2	2	2	4	3	3	3	5	10	7	4
20	5	2	2	2	4	3	3	3	5	10	7	4
21	5	2	2	2	4	3	3	3	5	10	7	4
22	5	2	2	2	4	3	3	3	5	10	7	4
23	5	2	2	2	4	3	3	3	5	10	7	4
24	5	2	2	2	4	3	3	3	5	10	7	4
25	5	2	2	2	4	3	3	3	5	10	7	4
26	5	2	2	2	4	3	3	3	5	10	7	4
27	5	2	2	2	4	3	3	3	5	10	7	4
28	5	2	2	2	4	3	3	3	5	10	7	4
29	5	.....	2	2	4	3	3	3	5	10	7	4
30	5	.....	2	2	4	3	3	3	5	10	7	4
31	5	.....	2	.....	4	.....	3	3	.....	10	.....	4
Mean	5	3	2	2	4	2	3	3	6	8	5	4
Max.	5	5	2	2	4	3	3	3	7	10	7	4
Min.	5	2	2	2	4	1	3	3	5	6	4	4
A. F.	307	170	123	119	246	119	184	184	357	496	327	246

Total Acre-feet 2,878

DISCHARGE OF TOOHEY SPILLWAY—Sec. 19-23-56 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23	18	15	16	0	0	0	0	119	33	25	19
2	23	18	15	16	0	0	0	0	119	33	25	19
3	23	18	15	16	0	0	0	0	119	33	25	19
4	23	18	15	16	0	0	0	0	119	33	25	19
5	23	18	15	16	0	0	0	0	119	33	25	19
6	23	18	15	16	0	0	0	0	119	33	25	19
7	23	18	15	16	0	0	0	0	119	33	25	19
8	23	18	15	16	0	0	0	0	119	33	25	19
9	23	18	15	16	0	0	0	0	119	33	25	19
10	23	18	15	16	0	0	0	0	119	33	25	19
11	23	18	15	16	0	0	0	0	75	33	25	19
12	23	18	15	16	0	0	0	0	75	33	25	19
13	23	18	15	16	0	0	0	0	75	33	25	19
14	23	18	15	16	0	0	0	0	75	33	25	19
15	23	18	15	16	0	0	0	0	75	33	25	19
16	23	18	15	14	0	0	0	0	75	21	32	19
17	23	18	15	14	0	0	0	0	75	21	32	19
18	23	18	15	14	0	0	0	0	75	21	32	19
19	23	18	15	14	0	0	0	0	75	21	32	19
20	23	18	15	14	0	0	0	0	75	21	32	19
21	23	18	15	14	0	0	0	0	45	21	32	19
22	23	18	15	14	0	0	0	0	45	21	32	19
23	23	18	15	14	0	0	0	0	45	21	32	19
24	23	18	15	14	0	0	0	0	45	21	32	19
25	23	18	15	14	0	0	0	0	45	21	32	19
26	23	18	15	14	0	0	0	0	45	21	32	19
27	23	18	15	14	0	0	0	0	45	21	32	19
28	23	18	15	14	0	0	0	0	45	21	32	19
29	23	----	15	14	0	0	0	0	45	21	32	19
30	23	----	15	14	0	0	0	0	45	21	32	19
31	23	----	15	----	0	----	0	0	----	21	----	19
Mean	23	18	15	15	0	0	0	0	76	27	28	19
Max.	23	18	15	16	0	0	0	0	119	33	32	19
Min.	23	18	15	14	0	0	0	0	45	21	25	19
A. F.	1414	1000	922	920	0	0	0	0	4740	1648	1696	1168

Total Acre-feet 13,508

DISCHARGE OF TUB SPRINGS—Sec. 8-22-55 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	51	45	33	24	43	40	60	89	140	98	62	55
2	51	45	33	24	43	40	60	89	140	98	62	55
3	51	45	33	24	43	40	60	89	140	98	62	55
4	51	45	33	24	43	40	60	89	140	98	62	55
5	51	45	33	24	43	40	60	89	140	98	62	55
6	51	45	33	24	43	40	60	89	140	98	62	55
7	51	45	33	24	43	40	60	89	140	98	62	55
8	51	45	33	24	43	40	60	89	140	98	62	55
9	51	45	33	24	43	40	60	89	140	98	62	55
10	51	45	33	24	43	40	60	89	140	98	62	55
11	51	45	33	24	43	40	60	89	140	98	62	55
12	51	45	33	24	43	40	60	89	140	98	62	55
13	51	45	33	24	43	40	60	89	140	98	62	55
14	51	45	33	24	43	40	60	89	140	98	62	55
15	51	45	33	24	43	40	60	89	140	98	62	55
16	51	45	33	30	43	50	60	89	100	68	59	55
17	51	45	33	30	43	50	60	89	100	68	59	55
18	51	45	33	30	43	50	60	89	100	68	59	55
19	51	45	33	30	43	50	60	89	100	68	59	55
20	51	45	33	30	43	50	60	89	100	68	59	55
21	51	45	33	30	43	50	60	89	100	68	59	55
22	51	45	33	30	43	50	60	89	100	68	59	55
23	51	45	33	30	43	50	60	89	100	68	59	55
24	51	45	33	30	43	50	60	89	100	68	59	55
25	51	45	33	30	43	50	60	89	100	68	59	55
26	51	45	33	30	43	50	60	89	100	68	59	55
27	51	45	33	30	43	50	60	89	100	68	59	55
28	51	45	33	30	43	50	60	89	100	68	59	55
29	51	----	33	30	43	50	60	89	100	68	59	55
30	51	----	33	30	43	50	60	89	100	68	59	55
31	51	----	33	----	43	----	60	89	----	68	----	55
Mean	51	45	33	27	43	45	60	89	120	82	62	55
Max.	51	45	33	30	43	50	60	89	140	98	62	55
Min.	51	45	33	24	43	40	60	89	100	68	59	55
A. F.	3136	2767	2029	1607	2644	2678	3689	5472	7141	5074	3590	3382

Total Acre-feet 43,209

DISCHARGE OF WHITE HORSE CREEK—Sec. 5-13-29 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17	17	32	21	46	30	10	7	8	22	25	32
2	17	17	32	21	46	30	10	7	8	22	25	32
3	17	17	32	21	46	30	10	7	8	22	25	32
4	17	17	32	21	46	30	10	7	8	22	25	32
5	17	17	32	21	46	30	10	7	8	22	25	32
6	17	40	24	21	46	18	7	7	8	22	25	32
7	17	40	24	21	46	18	7	7	8	22	25	32
8	17	40	24	21	46	18	7	7	8	22	25	32
9	17	40	24	21	46	18	7	7	8	22	25	32
10	17	40	24	21	46	18	7	7	8	22	25	32
11	17	40	24	21	52	18	6	7	8	21	25	32
12	17	40	24	21	52	18	6	7	8	21	25	32
13	17	40	24	21	52	18	6	7	8	21	25	32
14	17	40	24	21	52	18	6	7	8	21	25	32
15	17	40	24	21	52	18	6	7	8	21	25	32
16	17	32	24	39	52	22	6	7	8	21	35	32
17	17	32	24	39	52	22	6	7	8	21	35	32
18	17	32	24	39	52	22	6	7	8	21	35	32
19	17	32	24	39	52	22	6	7	8	21	35	32
20	17	32	24	39	52	22	6	7	8	21	35	32
21	17	32	24	39	58	22	6	7	8	21	35	32
22	17	32	24	39	58	22	6	7	8	21	35	32
23	17	32	24	39	58	22	6	7	8	21	35	32
24	17	32	24	39	58	22	6	7	8	28	35	32
25	17	32	24	39	58	22	6	7	8	28	35	32
26	17	32	24	42	40	22	6	7	8	28	44	32
27	17	32	24	42	40	22	6	7	8	28	44	32
28	17	32	24	42	40	22	6	7	8	28	44	32
29	17	32	24	42	40	22	6	7	8	28	44	32
30	17	—	24	42	40	22	6	7	8	28	44	32
31	17	....	24	—	40	....	6	7	—	28	—	32
Mean	17	32	25	30	48	22	7	7	8	23	31	32
Max.	17	40	32	42	58	30	10	7	8	28	44	32
Min.	17	17	24	21	40	18	6	7	8	21	25	32
A. F.	1045	1787	1555	1815	2995	1309	418	430	476	1422	1874	1967

Total Acre-feet 17,093

DISCHARGE OF WHITE TAIL CREEK—Sec. 26-15-38 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27	30	33	33	36	42	16	19	28	33	41	41
2	27	30	33	33	36	42	16	19	28	33	41	41
3	27	30	33	33	36	42	16	19	28	33	41	41
4	27	30	33	33	36	42	16	35	28	33	41	41
5	27	30	33	33	36	42	16	35	28	33	41	41
6	27	37	33	33	36	42	16	35	28	33	41	41
7	27	37	33	33	36	42	16	35	28	33	41	41
8	27	37	33	33	36	42	16	35	28	33	41	41
9	27	37	33	33	36	42	16	35	28	33	41	41
10	27	37	33	33	36	42	16	35	28	33	41	41
11	27	37	33	33	38	42	16	23	28	33	41	41
12	27	37	33	33	38	42	16	20	28	33	41	41
13	27	37	33	33	38	42	16	20	28	33	41	41
14	27	37	33	33	38	42	16	20	28	33	41	41
15	27	37	33	33	38	42	16	20	28	33	41	41
16	28	37	33	36	38	42	11	20	28	39	41	41
17	28	37	33	36	38	42	11	20	28	39	41	41
18	28	37	33	36	38	42	11	20	28	39	41	41
19	28	37	33	36	38	42	11	20	28	39	41	41
20	28	37	33	36	38	42	11	20	28	39	41	41
21	28	37	33	36	40	42	33	25	28	39	41	41
22	28	37	33	36	40	42	33	25	28	39	41	41
23	28	37	33	36	40	42	33	25	28	39	41	41
24	28	37	33	36	40	42	33	25	28	39	41	41
25	28	37	33	36	40	42	33	25	28	39	41	41
26	28	37	33	36	40	42	33	25	28	39	41	41
27	28	37	33	36	40	42	33	25	28	39	41	41
28	28	37	33	36	40	42	33	25	28	39	41	41
29	28	.....	33	36	40	42	33	25	28	39	41	41
30	28	.....	33	36	40	42	33	25	28	39	41	41
31	28	.....	33	.....	40	—	33	25	—	39	—	41
Mean	27	36	33	34	38	42	21	25	28	36	41	41
Max.	28	37	33	36	40	42	33	35	28	39	41	41
Min.	27	30	33	33	36	42	11	19	28	33	41	41
A. F.	1692	1985	2029	2053	2340	2499	1305	1547	1666	2219	2440	2521

Total Acre-feet 24,296

DISCHARGE OF WILD HORSE DRAIN—Sec. 1-20-52 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
1	41	41	25	28	29	50	21	21	103	126	61	53
2	41	41	25	28	29	50	21	21	103	126	61	53
3	41	41	25	28	29	50	21	21	103	126	61	53
4	41	41	25	28	29	50	21	21	103	126	61	53
5	41	41	25	28	29	50	21	21	103	126	61	53
6	41	41	25	28	29	50	21	21	103	126	61	53
7	41	41	25	28	29	50	21	21	103	126	61	53
8	41	41	25	28	29	50	21	21	103	126	61	53
9	41	41	25	28	29	50	21	21	103	126	61	53
10	41	41	25	28	29	50	21	21	103	126	61	53
11	41	41	25	28	29	30	21	55	88	100	61	53
12	41	41	25	28	29	30	21	55	88	100	61	53
13	41	41	25	28	29	30	21	55	88	100	61	53
14	41	41	25	28	29	30	21	55	88	100	61	53
15	41	41	25	28	29	30	21	55	88	100	61	53
16	41	41	25	23	50	30	21	55	88	75	49	53
17	41	41	25	23	50	30	21	55	88	75	49	53
18	41	41	25	23	50	30	21	55	88	75	49	53
19	41	41	25	23	50	30	21	55	88	75	49	53
20	41	41	25	23	50	30	21	55	88	75	49	53
21	41	41	25	23	50	20	21	103	88	58	49	53
22	41	41	25	23	50	20	21	103	88	58	49	53
23	41	41	25	23	50	20	21	103	88	58	49	53
24	41	41	25	23	50	20	21	103	88	58	49	53
25	41	41	25	23	50	20	21	103	88	58	49	53
26	41	41	25	23	50	20	21	103	88	58	49	53
27	41	41	25	23	50	20	21	103	88	58	49	53
28	41	41	25	23	50	20	21	103	88	58	49	53
29	41	.....	25	23	50	20	21	103	88	58	49	53
30	41	.....	25	23	50	20	21	103	88	58	49	53
31	41	.....	25	.....	50	.....	21	103	.....	58	.....	53
Mean	41	41	25	25	40	33	21	61	93	89	55	53
Max.	41	41	25	28	50	50	21	103	103	126	61	53
Min.	41	41	25	23	29	20	21	21	88	58	49	53
A. F.	2521	2277	1537	1517	2450	1983	1291	3755	5534	5500	3273	3259

Total Acre-feet 34,897

DISCHARGE OF WILLOW CREEK—Sec. 15-14-35 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1	1	2	2	1	2	1	3	1	1	1	2
2	1	1	2	2	1	2	1	3	1	1	1	2
3	1	1	2	2	1	2	1	3	1	1	1	2
4	1	1	2	2	1	2	1	1	1	1	1	2
5	1	1	2	2	1	2	1	1	1	1	1	2
6	1	1	2	2	1	2	0	1	1	1	1	2
7	1	1	2	2	1	2	0	1	1	1	1	2
8	1	1	2	2	1	2	0	1	1	1	1	2
9	1	1	2	2	1	2	0	1	1	1	1	2
10	1	1	2	2	1	2	0	1	1	1	1	2
11	1	1	2	2	1	2	0	1	1	1	1	2
12	1	1	2	2	1	2	0	1	1	1	1	2
13	1	1	2	2	1	2	0	1	1	1	1	2
14	1	1	2	2	1	2	0	1	1	1	1	2
15	1	1	2	2	1	2	0	1	1	1	1	2
16	1	1	2	2	1	1	0	2	1	0	1	1
17	1	1	2	2	1	1	0	2	1	0	1	1
18	1	1	2	2	1	1	0	2	1	0	1	1
19	1	1	2	2	1	1	0	2	1	0	1	1
20	1	1	2	2	1	1	0	2	1	0	1	1
21	1	1	2	2	1	1	1	2	1	0	1	1
22	1	1	2	2	1	1	1	2	1	0	1	1
23	1	1	2	2	1	1	1	2	1	0	1	1
24	1	1	2	2	1	1	1	2	1	0	1	1
25	1	1	2	2	1	1	1	2	1	0	1	1
26	1	1	2	2	1	1	2	2	1	0	1	1
27	1	1	2	2	1	1	2	2	1	0	1	1
28	1	1	2	2	1	1	2	2	1	0	1	1
29	1	.....	2	2	1	1	2	2	1	0	1	1
30	1	.....	2	2	1	1	2	2	1	0	1	1
31	1	.....	2	.....	1	.....	2	2	.....	0	.....	1
Mean	1	1	2	2	1	1	1	1	1	1	1	1
Max.	1	1	2	2	1	2	2	3	1	1	1	2
Min.	1	1	2	2	1	1	1	1	1	0	1	1
A. F.	60	55	123	119	61	89	44	93	61	30	59	91

Total Acre-feet 885

DISCHARGE OF WINTERS CREEK—Sec. 19-22-54 W.

Year of 1930

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	76	57	55	62	43	6	5	100	121	129	84	74
2	76	57	55	62	43	6	5	64	121	129	84	74
3	76	57	55	62	43	6	5	37	121	129	84	74
4	76	57	55	62	43	6	5	24	121	129	84	74
5	76	57	55	62	43	6	5	28	121	129	84	74
6	76	57	55	62	43	6	5	43	121	129	84	74
7	76	57	55	62	43	6	5	92	121	129	84	74
8	76	57	55	62	43	6	5	84	121	129	84	74
9	76	57	55	62	43	6	12	78	121	129	84	74
10	76	57	55	62	43	6	20	72	121	129	84	74
11	76	57	55	62	30	6	30	33	121	129	84	74
12	76	57	55	62	30	6	32	84	121	129	84	74
13	76	57	55	62	30	6	96	135	121	129	84	74
14	76	57	55	62	30	6	100	35	121	129	84	74
15	76	57	55	62	30	6	96	100	121	129	84	74
16	76	57	50	43	30	5	78	80	121	94	74	74
17	76	57	50	43	30	5	36	72	121	94	74	74
18	76	57	50	43	30	5	41	72	121	94	74	74
19	76	57	50	43	30	5	26	114	121	94	74	74
20	76	57	50	43	30	5	92	114	121	94	74	74
21	76	57	50	43	15	5	96	80	121	94	74	74
22	76	57	50	43	15	5	35	80	121	94	74	74
23	76	57	50	43	15	5	41	76	121	94	74	74
24	76	57	50	43	15	5	31	78	121	94	74	74
25	76	57	50	43	15	5	46	80	121	94	74	74
26	76	57	50	43	15	5	35	52	121	94	74	74
27	76	57	50	43	15	5	40	61	121	94	74	74
28	76	57	50	43	15	5	34	80	121	94	74	74
29	76	.....	50	43	15	5	34	72	121	94	74	74
30	76	.....	50	43	15	5	30	72	121	94	74	74
31	76	.....	50	.....	15	—	64	72	—	94	—	74
Mean	76	57	52	52	29	5	38	73	121	110	79	74
Max.	76	57	55	62	43	6	96	114	121	129	84	74
Min.	76	57	50	43	15	5	5	24	121	94	74	74
A. F.	4673	1975	3223	2083	1775	327	2350	4491	7200	6821	4701	4550

Total Acre-feet 44,169

DISCHARGE OF ARICKAREE RIVER, HAIGLER—Sec. 28-1-41 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	8	28	28	17	24	80	33	15	4	1	2
2	16	8	28	28	17	24	125	33	15	4	1	2
3	16	8	28	28	17	24	89	28	18	4	1	2
4	16	8	28	28	17	24	62	24	15	4	1	2
5	16	8	28	28	17	24	57	24	62	4	1	2
6	16	8	28	28	17	24	52	24	38	4	1	2
7	16	8	28	28	17	24	43	24	28	6	1	2
8	16	8	28	28	17	24	38	24	24	4	1	2
9	16	8	28	28	17	24	38	21	24	2	2	2
10	16	8	28	28	17	24	33	21	24	2	6	1
11	16	10	28	22	17	24	33	21	24	2	6	0
12	16	10	28	22	17	24	28	21	24	2	3	0
13	16	10	28	22	17	24	28	21	43	2	2	0
14	16	10	28	22	17	24	24	21	38	1	2	0
15	16	10	28	22	17	24	24	21	21	1	2	0
16	16	10	28	22	24	24	24	18	24	1	2	1
17	16	10	28	22	24	24	24	18	18	1	2	0
18	16	10	28	22	24	24	24	18	15	1	2	4
19	16	10	28	22	24	24	24	18	13	1	2	4
20	16	10	28	22	24	33	24	15	15	2	2	9
21	16	10	28	17	24	28	24	18	15	6	2	9
22	16	10	28	17	24	24	24	21	18	4	2	9
23	16	10	28	17	24	21	33	24	13	3	2	9
24	16	10	28	17	24	21	38	24	9	2	2	9
25	16	10	28	17	24	24	38	21	9	1	2	9
26	16	10	28	17	24	33	38	21	7	1	2	9
27	16	10	28	17	24	52	38	18	6	1	2	9
28	16	10	28	17	24	52	38	18	4	1	2	9
29	16	10	28	17	.....	52	38	18	3	0	2	7
30	16	10	28	17	—	52	33	21	3	0	2	7
31	16	.....	28	17	—	52	.....	24	.....	0	2	—
Mean	†16	†9	†28	†22	†20	†29	40	22	17	2	2	4
Max.	16	10	28	28	24	52	125	33	62	6	6	9
Min.	16	8	28	17	17	21	24	15	3	0	1	0
A. F.	984	555	1722	1362	1125	1785	2412	1341	1160	141	125	244

Total Acre-feet 12,956

†Estimated

DISCHARGE OF BALD DRAIN—Sec. 32-23-56 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	6	6	5	6	5	4	4	6	5	4	3
2	7	6	6	5	6	5	4	4	6	5	4	3
3	7	6	6	5	6	5	4	4	6	5	4	3
4	7	6	6	5	6	5	4	4	6	5	4	3
5	7	6	6	5	6	5	4	4	6	5	4	3
6	7	6	6	5	6	5	4	18	16	5	4	3
7	7	6	6	5	6	5	4	18	15	5	4	3
8	7	6	6	5	6	5	4	18	10	5	4	3
9	7	6	6	5	6	5	4	18	7	5	4	3
10	7	6	6	5	6	5	4	18	7	5	4	6
11	7	6	6	5	6	5	4	18	6	5	4	3
12	7	6	6	5	6	5	4	18	6	5	4	3
13	7	6	6	5	6	5	4	18	6	5	4	2
14	7	6	6	5	6	5	4	18	6	5	4	2
15	7	6	6	5	6	5	4	18	6	5	4	2
16	7	6	6	6	5	5	4	18	6	5	2	2
17	7	6	6	6	5	5	4	18	6	5	2	2
18	7	6	6	6	5	5	4	18	6	5	2	2
19	7	6	6	6	5	5	4	18	6	5	2	2
20	7	6	6	6	5	5	4	18	6	5	2	2
21	7	6	6	6	5	4	4	16	6	5	2	2
22	7	6	6	6	5	4	4	16	6	5	2	2
23	7	6	6	6	5	4	4	16	6	5	2	2
24	7	6	6	6	5	4	4	16	6	5	2	2
25	7	6	6	6	5	4	4	16	6	5	2	2
26	7	6	6	6	5	4	4	16	6	5	2	2
27	7	6	6	6	5	4	4	16	6	5	2	2
28	7	6	6	6	5	4	4	16	6	5	2	2
29	7	6	6	6	.....	4	4	16	6	5	2	2
30	7	6	6	6	.....	4	4	16	6	5	2	2
31	7	.....	6	6	.....	4	.....	16	.....	5	3	.....
Mean	7	6	6	6	6	5	4	15	7	5	3	2
Max.	7	6	6	6	6	5	4	18	16	5	4	3
Min.	7	6	6	5	5	4	4	4	6	5	2	2
A. F.	430	357	369	338	305	283	238	922	405	307	184	143

Total Acre-feet 4,281

DISCHARGE OF BAYARD SUGAR FACTORY DRAIN—Sec. 34-21-52 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	84	70	54	44	38	35	35	45	45	44	40	74
2	84	70	54	44	38	35	35	49	45	53	40	55
3	84	70	54	44	38	35	35	45	45	42	42	62
4	84	70	54	44	38	35	35	45	45	42	42	70
5	84	70	54	44	38	35	35	45	45	41	42	68
6	84	70	54	44	38	35	35	45	45	38	47	66
7	84	70	54	44	38	35	35	45	45	44	55	68
8	84	70	54	44	38	35	33	45	45	48	50	66
9	84	70	54	44	38	35	35	45	45	44	72	65
10	84	70	54	44	38	35	35	45	43	46	65	60
11	84	70	54	44	38	35	32	35	46	42	71	60
12	84	70	54	43	38	35	32	35	44	46	66	64
13	84	70	54	44	38	35	32	35	42	48	62	59
14	84	70	54	44	38	35	32	35	40	40	59	66
15	84	70	54	44	38	35	32	35	42	46	68	66
16	84	77	54	42	36	34	32	35	41	41	59	76
17	84	77	54	42	36	34	32	35	40	37	66	74
18	84	77	54	42	36	34	32	35	40	41	64	76
19	84	77	54	42	36	34	32	35	36	38	66	78
20	84	77	54	42	36	34	32	35	34	41	65	78
21	62	77	54	42	36	34	38	40	40	46	66	74
22	62	77	54	42	36	34	38	40	45	41	67	71
23	62	77	54	42	36	33	38	40	38	35	80	72
24	62	77	54	42	36	34	38	41	40	41	65	80
25	62	77	54	42	36	34	38	40	42	46	66	88
26	62	77	54	42	36	32	38	40	46	42	72	86
27	62	77	54	42	36	32	38	40	43	41	66	82
28	62	77	54	42	36	32	38	40	46	41	65	82
29	62	77	54	42	.....	32	38	40	44	41	67	80
30	62	77	54	42	.....	32	38	40	42	42	72	68
31	62	.....	54	42	.....	32	38	40	.....	41	73	.....
Mean	76	73	54	43	37	34	35	40	42	42	61	71
Max.	84	77	54	.....	.....	.....	.....	.....	.....	53	80	88
Min.	62	70	54	.....	.....	.....	.....	.....	34	35	40	55
A. F.	4685	4374	3320	2640	2060	2100	2080	2460	2530	2610	3770	4230

Total Acre-feet 36,860

DISCHARGE OF BIRDWOOD CREEK—Sec. 2-14-33 W.

Year Ending September 30, 1931

Date	†Oct.	†Nov.	†Dec.	†Jan.	†Feb.	†Mar.	†Apr.	May	June	July	Aug.	Sept.
1	170	194	190	184	190	200	228	160	167	202	151	131
2	200	194	190	184	190	200	228	160	168	176	144	131
3	268	194	190	184	190	200	228	160	163	151	134	143
4	200	194	190	184	190	200	228	160	165	183	126	140
5	180	194	190	184	190	200	228	160	240	161	118	132
6	170	194	190	184	190	200	228	160	193	148	125	131
7	170	194	190	184	190	200	228	160	159	146	122	129
8	170	194	190	184	190	200	228	160	161	151	149	125
9	170	194	190	184	190	200	228	160	167	151	148	135
10	170	194	190	184	190	200	228	160	170	154	140	132
11	200	194	190	184	200	200	180	160	189	148	138	129
12	850	194	190	184	200	200	180	160	178	129	144	128
13	600	194	190	184	200	200	180	160	181	126	131	131
14	300	194	190	184	200	200	180	153	174	126	131	125
15	170	194	190	184	200	200	180	159	170	124	128	124
16	170	194	190	184	200	200	180	163	170	137	126	138
17	170	194	190	184	200	200	180	154	164	120	135	137
18	170	194	190	184	200	200	180	159	164	119	129	137
19	170	194	190	184	200	200	180	157	167	137	129	143
20	170	194	190	184	200	200	180	156	196	137	128	143
21	180	194	190	184	200	200	160	156	175	129	125	141
22	180	194	190	184	200	200	160	156	176	112	138	140
23	180	194	190	184	200	200	160	157	174	129	151	140
24	180	194	190	184	200	200	160	161	172	112	148	148
25	180	194	190	184	200	200	160	174	163	118	141	161
26	180	194	190	184	200	200	160	161	163	115	143	148
27	180	194	190	184	200	200	160	159	161	118	137	148
28	180	194	190	184	200	200	160	161	161	117	140	148
29	180	194	190	184	.....	200	160	176	157	118	141	148
30	180	194	190	184	.....	200	160	165	151	117	141	153
31	180	.....	190	184	.....	200	.....	167	.....	125	134	.....
Mean	219	194	190	184	196	200	189	160	171	136	136	137
Max.	850	194	190	184	200	200	228	176	240	202	151	161
Min.	170	194	190	184	190	200	160	153	151	112	118	124
A. F.	13520	11540	11680	11310	10910	12300	11270	9866	10233	8402	8360	8210

Total Acre-feet 127,601

†Estimated

DISCHARGE OF BLUE CREEK AT LEWELLEN—Sec. 30-16-42 W.

Year Ending September 30, 1931

Date	†Oct.	†Nov.	†Dec.	†Jan.	†Feb.	†Mar.	Apr.	May	June	July	Aug.	Sept.
1	100	128	123	106	122	122	176	120	2	13	81	1
2	100	128	123	106	122	122	176	120	1	16	80	2
3	150	128	123	106	122	122	160	120	1	18	70	8
4	200	128	123	106	122	122	150	114	1	37	46	9
5	150	128	123	106	122	122	140	92	2	55	8	10
6	120	128	123	106	122	122	130	106	38	60	17	10
7	100	128	123	106	122	122	122	106	31	64	102	11
8	100	128	123	106	122	122	122	104	15	50	32	9
9	100	128	123	106	122	122	122	104	10	83	54	9
10	100	128	123	106	122	122	122	94	16	83	49	9
11	100	128	123	106	122	140	122	98	58	74	23	23
12	100	128	123	106	122	140	122	100	98	77	9	38
13	100	128	123	106	122	140	117	100	65	71	9	42
14	100	128	123	106	122	140	117	98	47	35	7	53
15	100	128	123	106	122	140	117	70	39	8	6	51
16	113	130	123	106	122	140	117	64	27	4	3	29
17	113	130	123	106	122	140	120	60	15	4	3	27
18	113	130	123	106	122	140	120	48	16	3	6	21
19	113	130	123	106	122	140	120	51	10	7	6	49
20	113	130	123	106	122	140	116	35	8	42	4	30
21	113	130	123	106	122	160	112	44	6	4	3	22
22	113	130	123	106	122	160	118	46	7	35	3	18
23	113	130	123	106	122	160	122	22	3	42	2	19
24	113	130	123	106	122	160	126	18	2	33	1	56
25	113	130	123	106	122	160	132	2	4	24	1	44
26	113	130	123	106	122	160	133	2	2	31	1	54
27	113	130	123	106	122	160	122	1	2	34	1	67
28	113	130	123	106	122	160	118	1	2	25	1	67
29	113	130	123	106	.....	160	118	1	2	22	1	67
30	113	130	123	106	.....	160	120	1	1	68	1	62
31	113	.....	123	106	.....	160	.....	2	.....	68	1	.....
Mean	114	129	123	106	122	141	127	63	17	38	20	30
Max.	200	130	123	106	122	160	176	120	98	83	102	67
Min.	100	128	123	106	122	122	112	1	1	3	1	1
A. F.	6998	7676	7563	6518	6775	8688	7595	3856	1053	2360	1251	1819

Total Acre-feet 62,152

†Estimated

DISCHARGE OF BLUE RIVER, LITTLE, AT ENDICOTT—Sec. 5-1-3 E.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	105	113	148	116	134	130	161	156	310	139	121	107
2	105	113	142	136	136	133	152	148	237	189	166	103
3	103	116	147	133	136	132	156	138	199	193	321	106
4	105	116	142	144	133	134	150	155	173	186	615	106
5	114	116	140	133	133	133	153	1200	205	197	224	110
6	123	116	139	130	134	136	152	1050	188	201	179	109
7	119	116	136	138	132	116	155	910	877	189	156	99
8	116	114	144	134	134	142	144	510	1460	179	152	95
9	121	116	134	132	136	148	163	388	1330	158	211	94
10	155	116	140	132	130	139	152	330	692	148	179	91
11	140	113	134	127	128	142	142	338	474	136	358	91
12	121	114	133	126	127	139	139	294	408	197	940	91
13	128	120	134	102	130	142	139	249	400	186	584	87
14	116	116	133	16	124	133	132	220	380	158	360	86
15	120	114	138	70	127	134	138	211	397	139	252	91
16	120	121	133	120	126	133	136	197	552	124	191	87
17	120	123	128	120	127	132	134	193	564	128	161	87
18	119	121	136	120	128	130	133	189	402	121	153	86
19	119	161	132	120	128	128	139	188	338	113	177	84
20	113	552	120	120	127	133	153	177	284	117	160	86
21	112	664	107	138	123	134	153	173	249	207	158	85
22	109	318	110	147	136	136	153	170	405	276	155	90
23	114	217	121	152	140	138	142	168	257	163	139	91
24	114	264	130	147	130	132	150	161	193	133	127	130
25	116	209	142	152	132	130	165	160	170	130	128	914
26	112	173	139	161	133	130	195	156	161	121	130	439
27	116	155	138	148	133	133	191	153	152	120	133	289
28	114	153	136	140	127	105	170	433	148	110	134	203
29	113	153	132	138	.....	136	160	1730	140	102	133	166
30	113	148	121	136	.....	133	153	1480	136	96	119	155
31	114	.....	123	128	.....	152	.....	555	.....	98	116	.....
Mean	117	175	133	128	131	134	152	406	396	453	230	149
Max.	155	664	148	161	140	152	195	1730	1460	276	940	914
Min.	103	113	107	16	123	105	132	138	136	96	116	84
A. F.	7190	10400	8180	7870	7280	8240	9040	25000	23600	9410	14100	8870

Total Acre-feet 139,000

DISCHARGE OF BUFFALO CREEK AT JENKINS RANCH—Sec. 20-1-40 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	13	14	14	12	11	13	14	16	9	4	10
2	12	13	14	14	12	11	13	14	16	9	4	10
3	12	13	14	14	12	11	13	14	16	9	4	10
4	12	13	14	14	12	11	13	14	16	9	4	10
5	12	13	14	14	12	11	13	14	16	9	4	10
6	12	13	14	14	12	11	13	14	16	7	4	10
7	12	13	14	14	12	11	13	14	16	7	4	10
8	12	13	14	14	12	11	13	14	16	7	4	10
9	12	13	14	14	12	11	13	14	16	7	4	10
10	12	13	14	14	12	11	13	14	16	7	4	10
11	12	11	14	14	12	11	13	12	13	7	8	10
12	12	11	14	14	12	11	13	12	13	7	8	10
13	12	11	14	14	12	11	13	12	13	7	8	10
14	12	11	14	14	12	11	13	12	13	7	8	10
15	12	11	14	14	12	11	13	12	13	7	8	10
16	12	11	14	14	12	10	16	12	13	6	8	11
17	12	11	14	14	12	10	16	12	13	6	8	11
18	12	11	14	14	12	10	16	12	13	6	8	11
19	12	11	14	14	12	10	16	12	13	6	8	11
20	12	11	14	14	12	10	16	12	13	6	8	11
21	12	14	14	14	12	10	16	14	11	6	10	11
22	12	14	14	14	12	10	16	14	11	6	10	11
23	12	14	14	14	12	10	16	14	11	6	10	11
24	12	14	14	14	12	10	16	14	11	6	10	11
25	12	14	14	14	12	10	16	14	11	6	10	11
26	12	14	14	14	12	10	16	14	11	4	10	11
27	12	14	14	14	12	10	16	14	11	4	10	11
28	12	14	14	14	12	10	16	14	11	4	10	11
29	12	14	14	14	.....	10	16	14	11	4	10	11
30	12	14	14	14	.....	10	16	14	11	4	10	11
31	12	.....	14	14	.....	10	.....	14	.....	4	10	.....
Mean	12	13	14	14	12	10	14	13	13	6	7	10
Max.	12	14	14	14	12	11	16	14	16	9	10	11
Min.	12	11	14	14	12	10	13	12	11	4	4	10
A. F.	738	754	861	861	666	645	863	821	793	395	456	416

Total Acre-feet 8,269

DISCHARGE OF CAMP CLARK SEEP—Sec. 9-20-51 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	5	6	4	2	2	2	1	1	2	3	5
2	6	5	6	4	2	2	2	1	1	2	3	5
3	6	5	6	4	2	2	2	1	1	2	3	5
4	6	5	6	4	2	2	2	1	1	2	3	5
5	6	5	6	4	2	2	2	1	1	2	3	5
6	6	5	6	4	2	2	2	1	1	2	3	5
7	6	5	6	4	2	2	2	1	1	2	3	5
8	6	5	6	4	2	2	2	1	1	2	3	5
9	6	5	6	4	2	2	2	1	1	2	3	5
10	6	5	6	4	2	2	2	1	1	2	3	5
11	6	5	6	3	2	2	2	1	2	2	4	5
12	6	5	6	3	2	2	2	1	2	2	4	5
13	6	5	6	3	2	2	2	1	2	2	4	5
14	6	5	6	3	2	2	2	1	2	2	4	5
15	6	5	6	3	2	2	2	1	2	2	4	5
16	6	5	6	3	2	1	1	1	3	2	4	5
17	6	5	6	3	2	1	1	1	3	2	4	5
18	6	5	6	3	2	1	1	1	3	2	4	5
19	6	5	6	3	2	1	1	1	3	2	4	5
20	6	5	6	3	2	1	1	1	3	2	4	5
21	3	5	6	3	2	1	1	1	3	3	4	6
22	3	5	6	3	2	1	1	1	3	3	4	6
23	3	5	6	3	2	1	1	1	3	3	4	6
24	3	5	6	3	2	1	1	1	3	3	4	6
25	3	5	6	3	2	1	1	1	3	3	4	6
26	3	5	6	3	2	1	1	1	3	3	4	6
27	3	5	6	3	2	1	1	1	3	3	4	6
28	3	5	6	3	2	1	1	1	3	3	4	6
29	3	5	6	3	.....	1	1	1	3	3	4	6
30	3	5	6	3	.....	1	1	1	3	3	4	6
31	3	.....	6	3	.....	1	.....	1	.....	3	4	.....
Mean	5	5	6	4	2	2	2	1	2	2	4	5
Max.	6	5	6	4	2	2	2	1	3	3	4	6
Min.	3	5	6	3	2	1	1	1	1	2	3	5
A. F.	303	297	369	203	111	92	89	61	131	148	228	315

Total Acre-feet 2,347

DISCHARGE OF CEDAR CREEK—Sec. 11-18-48 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	12	18	19	17	16	18	18	5	3	4	14
2	19	12	18	19	17	16	18	18	5	3	5	14
3	19	12	18	19	17	16	18	18	5	3	5	18
4	19	12	18	18	17	16	18	18	5	4	5	11
5	19	12	18	19	17	16	18	18	5	5	8	6
6	19	12	18	19	17	16	18	18	†3	6	5	22
7	19	12	18	19	17	16	18	18	4	6	5	21
8	19	12	18	19	17	16	18	18	4	5	6	21
9	19	12	18	19	17	16	18	18	2	4	7	21
10	19	12	18	19	17	16	18	18	1	6	9	16
11	19	12	18	19	17	16	18	18	10	5	8	12
12	19	12	18	19	17	16	18	18	4	5	6	12
13	19	12	18	19	17	16	18	18	5	5	5	14
14	19	12	18	19	16	16	18	18	4	5	9	16
15	19	12	18	19	17	16	18	18	4	4	5	18
16	12	12	18	18	16	16	18	18	4	5	5	20
17	12	12	18	18	16	16	18	18	4	4	5	15
18	12	12	18	18	16	16	18	18	4	5	8	16
19	12	12	18	18	16	16	18	18	4	4	5	24
20	12	12	18	18	16	16	18	18	4	4	5	19
21	12	12	18	18	16	16	18	5	9	5	6	22
22	12	12	18	18	16	16	18	5	14	5	6	24
23	12	12	18	18	16	16	18	5	14	4	5	18
24	12	12	18	18	16	16	18	5	4	4	5	23
25	12	12	18	18	16	16	18	5	4	4	6	30
26	12	12	18	18	16	15	18	5	4	4	5	27
27	12	12	18	18	16	15	18	5	3	4	5	29
28	12	12	18	18	16	15	18	5	3	4	18	24
29	12	12	18	18	16	15	18	5	3	4	14	30
30	12	12	18	18	16	15	18	5	3	4	14	13
31	12	.....	18	18	.....	15	.....	5	.....	4	14	.....
Mean	15	12	18	18	16	16	18	13	5	4	7	19
Max.	19	12	18	19	17	16	18	18	14	6	18	30
Min.	12	12	18	18	16	15	18	5	1	3	4	6
A. F.	446	714	1110	1140	916	972	1070	824	292	271	430	1130

Total Acre-feet 9,815

†Estimated

DISCHARGE OF CLEAR CREEK—Sec. 5-15-41 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	13	10	12	12	15	15	14	0	1	3	5
2	13	13	10	12	12	15	15	14	1	2	3	7
3	13	13	10	12	12	15	15	14	1	2	2	6
4	13	13	10	12	12	15	15	14	2	2	1	5
5	13	13	10	12	12	15	15	14	3	2	0	7
6	13	13	10	12	12	12	15	14	†4	2	0	7
7	13	13	10	12	12	12	15	14	4	2	0	8
8	13	13	10	12	12	12	15	14	†4	2	0	9
9	13	13	10	12	12	12	15	14	2	2	0	9
10	13	13	10	12	12	12	15	14	4	2	0	9
11	10	13	10	10	15	15	15	14	5	4	0	9
12	10	13	10	10	15	15	15	14	5	3	0	9
13	10	13	10	10	15	15	15	14	6	3	0	9
14	10	13	10	10	15	15	15	14	4	2	0	8
15	10	13	10	10	15	15	15	14	3	2	0	7
16	10	10	10	10	15	15	14	10	2	2	0	7
17	10	10	10	10	15	15	14	10	1	2	0	7
18	10	10	10	10	15	15	14	10	1	2	0	8
19	10	10	10	10	15	15	14	10	1	2	0	8
20	10	10	10	10	15	15	14	10	1	2	0	8
21	10	10	10	12	15	15	14	10	0	2	0	9
22	10	10	10	12	15	15	14	10	0	2	0	11
23	10	10	10	12	15	15	14	10	0	2	1	12
24	10	10	10	12	15	15	14	10	1	3	2	11
25	10	10	10	12	15	15	14	10	0	4	3	11
26	10	10	10	12	15	10	14	10	0	5	4	10
27	10	10	10	12	15	10	14	10	0	5	4	10
28	10	10	10	12	15	10	14	10	0	6	5	10
29	10	10	10	12	.....	10	14	10	0	5	5	10
30	10	10	10	12	.....	10	14	10	0	5	5	10
31	10	.....	10	12	.....	10	.....	10	.....	4	5	.....
Mean	11	12	10	11	14	13	14	12	2	3	1	8
Max.	13	13	10	12	17	15	15	14	5	6	5	12
Min.	10	10	10	10	12	10	14	10	0	1	0	5
A. F.	674	694	615	701	772	830	833	732	113	172	86	506

Total Acre-feet 6,728

†Estimated

DISCHARGE OF CLEVELAND DRAIN—Sec. 6-20-52 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	5	3	2	2	2	3	5	2	7	5	6
2	6	5	3	2	2	2	3	7	2	7	7	6
3	6	5	3	2	2	2	3	5	2	6	6	6
4	6	5	3	2	2	2	3	5	2	6	5	6
5	6	5	3	2	2	2	3	5	2	6	5	6
6	6	5	3	2	2	2	3	5	†2	5	5	6
7	6	5	3	2	2	2	3	5	†2	5	6	6
8	6	5	3	2	2	2	3	4	†2	4	6	6
9	6	5	3	2	2	2	3	4	†3	4	6	6
10	6	5	3	2	2	2	3	4	5	5	6	5
11	6	5	3	2	2	3	2	4	6	5	7	4
12	6	5	3	2	2	3	2	4	6	5	7	4
13	6	5	3	2	2	3	2	4	7	4	7	4
14	6	5	3	2	2	3	2	4	7	3	6	4
15	6	5	3	2	2	3	2	4	7	3	6	4
16	6	4	3	2	2	3	2	4	7	3	6	4
17	6	4	3	2	3	3	2	4	7	4	6	4
18	6	4	3	2	2	3	2	4	7	4	5	5
19	6	4	3	2	2	2	2	4	7	4	5	6
20	6	4	3	2	2	2	2	4	7	3	5	6
21	6	4	3	2	2	2	2	3	7	3	6	5
22	6	4	3	2	2	2	2	3	6	3	6	4
23	6	4	3	2	2	2	2	3	6	3	5	4
24	6	4	3	2	2	2	2	3	6	4	4	4
25	6	4	3	2	2	1	2	3	6	4	6	4
26	6	4	3	2	2	1	2	3	7	4	8	4
27	6	4	3	2	2	1	2	3	7	4	4	4
28	6	4	3	2	2	1	2	3	7	4	4	4
29	6	4	3	2	—	1	2	3	7	4	5	4
30	6	4	3	2	—	1	2	3	7	4	5	4
31	6	—	3	2	—	1	....	3	—	5	5	—
Mean	6	4	3	2	2	2	2	4	5	4	5	5
Max.	6	5	3	2	2	3	3	7	7	7	8	6
Min.	6	4	3	2	2	1	3	3	2	3	4	4
A.F.	369	268	184	123	111	123	137	240	315	271	344	286

Total Acre-feet 2,771

†Estimated.

DISCHARGE OF COLD WATER CREEK—Sec. 34-18-46 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	4	5	5	4	4	3	3.0	1.0	0.1	0.1	0.0
2	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.0
3	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.0
4	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.0
5	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.0
6	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
7	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
8	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
9	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
10	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
11	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
12	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
13	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
14	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
15	3	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
16	5	4	5	5	4	4	3	.0	1.0	.1	.1	.0
17	5	4	5	5	4	4	3	.0	1.0	.1	.1	.0
18	5	4	5	5	4	4	3	.0	1.0	.1	.1	.0
19	5	4	5	5	4	4	3	.0	1.0	.1	.1	.0
20	5	4	5	5	4	4	3	.0	1.0	.1	.1	.0
21	5	4	5	5	4	4	3	.0	.0	.1	.1	.0
22	5	4	5	5	4	4	3	.0	.0	.1	.1	.0
23	5	4	5	5	4	4	3	.0	.0	.1	.1	.0
24	5	4	5	5	4	4	3	.0	.0	.1	.1	.0
25	5	4	5	5	4	4	3	.0	.0	.1	.1	.0
26	5	4	5	5	4	4	3	.0	.0	.1	.1	.0
27	5	4	5	5	4	4	3	.0	.0	.1	.1	.0
28	5	4	5	5	4	4	3	.0	.0	.1	.1	.0
29	5	4	5	5	—	4	3	.0	.0	.1	.1	.0
30	5	4	5	5	—	4	3	.0	.0	.1	.1	.0
31	5	....	5	5	—	4	—	.0	—	.1	.1	—
Mean	4	4	5	5	4	4	3	1.0	1.0	0.1	0.1	0.0
Max.	5	4	5	5	4	4	3	3.0	1.0	.1	.1	.1
Min.	3	4	5	5	4	4	3	.0	.0	.1	.1	.0
A.F.	238	238	307	307	222	246	179	92.0	42.0	6.0	6.0	.0

Total Acre-feet 1,883

DISCHARGE OF DAWSON COUNTY DRAIN—Sec. 13-9-21 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	21	24	22	*	*	*	*	15	9	4	*
2	25	21	24	22	—	—	—	....	15	9	4	—
3	25	21	24	22	—	—	—	....	15	9	4	—
4	25	21	24	22	—	—	—	....	15	9	4	—
5	25	21	24	22	—	—	—	....	15	9	4	—
6	25	21	24	22	—	—	—	....	15	10	4	—
7	25	21	24	22	—	—	—	....	15	10	4	—
8	25	21	24	22	—	—	—	....	15	10	4	—
9	25	21	24	22	—	—	—	....	15	10	4	—
10	25	21	24	22	—	—	—	....	15	10	4	—
11	25	21	24	22	—	—	—	....	15	7	4	—
12	25	21	24	22	—	—	—	....	15	7	4	—
13	25	21	24	22	—	—	—	....	15	11	4	—
14	25	21	24	22	—	—	—	....	15	12	4	—
15	25	21	24	22	—	—	—	....	15	13	4	—
16	15	25	24	22	—	—	—	....	17	9	4	—
17	15	25	24	22	—	—	—	....	17	9	4	—
18	15	25	24	22	—	—	—	....	17	9	4	—
19	15	25	24	22	—	—	—	....	17	9	4	—
20	15	25	24	22	—	—	—	....	17	9	4	—
21	15	25	24	22	—	—	—	....	17	9	4	—
22	15	25	24	22	—	—	—	....	17	9	4	—
23	15	25	24	22	—	—	—	....	17	9	4	—
24	15	25	24	22	—	—	—	....	17	9	4	—
25	15	25	24	22	—	—	—	....	17	9	4	—
26	15	25	24	22	—	—	—	....	9	9	4	—
27	15	25	24	22	—	—	—	....	9	9	4	—
28	15	25	24	22	—	—	—	....	9	9	4	—
29	15	25	24	22	—	—	—	....	9	9	4	—
30	15	25	24	22	—	—	—	....	9	9	4	—
31	15	....	24	22	—	—	—	....	—	9	4	—
Mean	20	23	24	22	—	....	—	—	14	9	4	....
Max.	25	25	24	22	—	—	—	—	17	13	4	....
Min.	15	21	24	22	—	—	—	....	9	9	4	....
A.F.	1220	1369	1476	1353	—	—	—	—	873	573	246	....

*No record.

DISCHARGE OF DeGRAW DRAIN—Sec. 24-20-51 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	10	9	8	7	7	6	6	3	3	2	3
2	12	10	9	8	7	7	6	6	3	3	2	3
3	12	10	9	8	7	7	6	6	3	3	2	3
4	12	10	9	8	7	7	6	6	3	3	2	3
5	12	10	9	8	7	7	6	6	3	3	2	3
6	12	10	9	8	7	6	5	4	3	3	2	3
7	12	10	9	8	7	6	5	4	3	2	2	3
8	12	10	9	8	7	6	5	4	2	2	2	3
9	12	10	9	8	7	9	5	4	2	2	2	3
10	12	10	9	8	7	9	5	4	2	2	2	3
11	12	10	9	8	7	9	5	4	2	2	3	3
12	12	10	9	8	7	9	5	4	2	2	3	3
13	12	10	9	8	7	9	5	4	2	2	3	3
14	12	10	9	8	7	9	5	4	2	2	3	3
15	12	10	9	8	7	9	5	4	2	2	3	3
16	10	10	9	8	7	7	4	4	2	3	3	4
17	10	10	9	8	7	7	4	4	2	3	3	4
18	10	10	9	8	7	7	4	4	2	3	3	4
19	10	10	9	8	7	7	4	4	2	3	3	4
20	10	10	9	8	7	7	4	4	2	3	3	3
21	10	10	9	8	7	6	4	3	2	2	4	4
22	10	10	9	8	7	6	4	3	2	2	4	4
23	10	10	9	8	7	6	4	3	2	2	4	4
24	10	10	9	8	7	6	4	3	2	2	4	4
25	10	10	9	8	7	6	4	3	2	2	4	4
26	10	10	9	8	7	5	4	3	2	2	3	4
27	10	10	9	8	7	5	4	3	2	2	3	4
28	10	10	9	8	7	5	4	3	2	2	3	4
29	10	10	9	8	....	5	4	3	2	2	3	4
30	10	10	9	8	....	5	4	3	2	2	3	4
31	10	—	9	8	—	5	—	3	....	2	3	—
Mean	11	10	9	8	7	7	5	4	2	2	3	3
Max.	12	10	9	8	7	9	6	6	3	3	4	4
Min.	10	10	9	8	7	5	4	3	2	2	2	3
A. F.	676	595	553	492	389	412	280	246	131	148	172	208

Total Acre-feet 4,302

DISCHARGE OF DUGOUT CREEK, UPPER—Sec. 21-20-50 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	10	5	4	4	4	3	2	3	5	7	11
2	25	10	5	4	4	4	3	2	3	5	7	8
3	25	10	5	4	4	4	3	2	3	6	7	8
4	25	10	5	4	4	4	3	2	3	6	7	9
5	25	10	5	4	4	4	3	2	3	5	6	10
6	16	8	5	4	4	2	3	1	4	5	7	9
7	15	8	5	4	4	2	2	1	4	5	21	9
8	15	8	5	4	4	2	2	1	4	4	7	9
9	15	8	5	4	4	2	2	1	4	5	8	9
10	15	8	5	4	4	2	2	1	4	5	5	9
11	15	6	5	4	4	3	2	1	10	5	7	9
12	15	6	5	4	4	3	2	1	16	5	7	10
13	15	6	5	4	4	3	2	1	10	5	7	9
14	15	6	5	4	4	3	2	1	8	5	7	10
15	15	6	5	4	4	3	2	1	6	5	7	9
16	13	5	4	4	4	3	2	1	4	5	8	11
17	13	5	4	4	4	3	2	1	4	5	8	11
18	13	5	4	4	4	3	2	1	4	6	8	12
19	13	5	4	4	4	3	2	1	4	5	8	13
20	13	5	4	4	4	3	2	1	4	7	7	13
21	13	5	4	4	4	2	2	1	4	14	7	13
22	13	5	4	4	4	2	2	1	3	7	7	13
23	13	5	4	4	4	2	2	1	5	6	9	12
24	13	5	4	4	4	2	2	1	4	6	8	13
25	13	5	4	4	4	2	2	1	4	6	8	13
26	12	5	4	4	4	2	2	2	3	6	8	14
27	12	5	4	4	4	2	2	1	4	5	8	14
28	12	5	4	4	4	2	2	2	4	6	9	13
29	12	5	4	4	—	2	2	2	4	6	9	14
30	12	5	4	4	—	2	2	2	5	6	8	13
31	12	—	4	....	—	2	....	2	—	6	9	—
Mean	15	6	4	4	4	3	2	1	5	6	8	11
Max.	25	10	5	4	4	4	3	2	16	14	9	14
Min.	12	5	4	4	4	2	2	1	3	4	5	8
A. F.	947	387	277	246	222	160	131	86	286	350	486	655

Total Acre-feet 4,233

DISCHARGE OF ELKHORN RIVER AT O'NEILL—Sec. 31-29-11 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	75	155	57	38	23	12	17
2	—	—	—	—	—	80	122	57	34	23	17	17
3	—	—	—	—	—	85	138	47	30	23	17	17
4	—	—	—	—	—	90	138	47	30	23	17	17
5	—	—	—	—	—	119	138	47	34	30	23	14
6	—	—	—	—	—	70	122	47	38	26	23	14
7	—	**31	—	—	—	70	107	47	38	23	23	14
8	—	—	—	—	—	68	93	52	38	23	23	14
9	**27	—	—	—	—	68	93	57	30	23	23	14
10	—	—	—	—	—	57	80	93	30	30	23	14
11	—	—	—	—	—	68	80	107	30	30	23	12
12	—	—	—	—	—	68	57	122	30	23	20	12
13	—	—	—	—	—	93	57	138	38	23	20	12
14	—	—	—	—	—	107	47	122	34	23	17	14
15	—	—	—	—	—	107	57	107	30	20	17	14
16	—	—	—	—	—	107	57	80	30	17	17	17
17	—	—	—	—	—	93	57	80	30	17	17	17
18	—	—	—	—	—	93	57	68	26	17	17	17
19	—	**32	—	—	—	68	57	68	26	17	17	20
20	—	—	—	—	—	80	68	57	30	17	17	20
21	—	—	—	—	—	80	57	57	30	17	17	20
22	—	—	—	—	—	80	57	57	30	17	17	20
23	—	—	—	—	—	80	57	47	30	17	17	20
24	—	—	—	—	—	80	57	38	30	17	17	23
25	—	—	—	—	—	80	57	38	26	17	17	26
26	—	—	—	—	—	80	57	38	26	17	17	26
27	**28	—	—	—	—	93	57	38	26	17	17	26
28	—	—	—	—	—	75	57	38	26	14	17	23
29	—	—	—	—	—	70	52	38	23	14	14	23
30	—	—	—	—	—	75	52	38	23	14	14	23
31	—	—	—	—	—	95	—	38	—	14	14	—
Mean	—	—	—	—	—	82	78	63	31	20	18	18
Max.	—	—	—	—	—	119	155	138	38	30	23	26
Min.	—	—	—	—	—	57	47	38	23	14	12	12
A.F.	—	—	—	—	—	5070	4640	3900	1810	1240	1110	1070

Total Acre-feet 18,800

*No record.

**Actual measurements.

DISCHARGE OF ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	330	180	94	54	22	30
2	—	—	—	—	—	—	410	150	94	94	22	54
3	—	—	—	—	—	—	455	125	80	80	22	54
4	—	—	—	—	—	—	550	150	94	80	22	54
5	—	—	—	—	—	290	500	180	94	94	22	42
6	—	—	—	—	—	330	455	180	108	94	22	30
7	—	—	—	—	—	330	455	180	108	80	16	22
8	—	—	—	—	—	330	410	180	108	80	22	22
9	—	**126	—	—	—	290	370	215	94	108	54	16
10	—	—	—	—	—	290	330	290	94	108	66	16
11	—	—	—	—	—	290	330	410	94	94	66	16
12	**111	—	—	—	—	290	290	500	94	80	66	16
13	—	—	—	—	—	370	290	500	94	80	54	16
14	—	—	—	—	—	550	290	500	94	66	42	16
15	—	—	—	—	—	500	250	410	94	54	30	22
16	—	—	—	—	—	500	250	330	80	42	42	22
17	—	—	—	—	—	500	250	290	80	30	30	22
18	—	—	—	—	—	500	250	250	80	22	54	54
19	—	**133	—	—	—	455	250	215	80	22	42	80
20	—	—	—	—	—	370	250	180	80	16	30	80
21	—	—	—	—	—	370	290	150	108	16	54	80
22	—	—	—	—	—	330	290	125	125	22	66	80
23	—	—	—	—	—	290	290	125	125	22	54	66
24	—	—	—	—	—	290	290	108	108	42	54	80
25	—	—	—	—	—	290	290	108	108	42	54	94
26	—	—	—	—	—	290	250	108	94	42	54	94
27	**111	—	—	—	—	200	250	108	94	42	54	94
28	—	—	—	—	—	150	250	108	80	30	42	94
29	—	—	—	—	—	175	250	108	66	30	30	80
30	—	—	—	—	—	250	250	108	54	22	30	80
31	—	—	—	—	—	280	—	108	—	22	30	—
Mean	—	—	—	—	—	337	322	215	93	55	41	51
Max.	—	—	—	—	—	550	550	500	125	108	66	94
Min.	—	—	—	—	—	150	250	108	54	16	16	16
A.F.	—	—	—	—	—	18000	19200	13200	5550	3390	2510	3030

Total Acre-feet 64,900

*No record.

**Actual measurements.

DISCHARGE OF ELKHORN RIVER AT WATERLOO—Sec. 10-15-10 E.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	378	498	460	550	900	728	698	591	492	314	187	514
2	405	509	460	550	1000	705	780	585	482	318	235	257
3	410	509	460	550	1100	705	1010	566	460	299	198	382
4	401	509	460	550	1160	677	1220	560	445	295	187	209
5	415	503	460	550	1100	705	1200	684	537	315	214	174
6	435	509	850	550	1030	635	1100	923	566	335	189	169
7	445	492	1290	550	986	670	1060	968	445	364	184	156
8	455	509	1060	550	844	705	1040	852	610	373	217	147
9	455	531	750	550	780	691	1070	772	765	369	247	147
10	445	549	758	550	691	698	959	750	712	347	479	135
11	425	543	758	500	649	765	887	772	656	351	316	131
12	425	555	712	500	691	728	804	804	1920	339	277	124
13	430	526	788	500	758	750	758	836	1930	326	214	127
14	430	572	765	500	629	780	712	844	1020	330	189	129
15	440	572	728	500	604	780	677	860	656	330	184	133
16	560	591	712	481	670	750	705	923	549	311	174	131
17	742	585	698	500	720	735	758	950	471	326	176	129
18	1230	597	498	500	656	796	780	959	420	318	176	192
19	1060	622	430	500	635	860	758	896	387	460	179	253
20	968	923	420	500	656	896	780	804	373	330	176	482
21	720	2110	410	620	670	914	705	742	410	284	171	445
22	610	1500	460	620	670	887	705	698	977	274	174	360
23	560	1310	502	620	698	878	712	635	1430	260	169	728
24	537	1140	465	620	698	844	728	604	1450	235	195	503
25	520	977	502	620	677	796	712	578	788	238	192	1010
26	520	812	450	620	677	812	677	549	526	228	250	1540
27	520	735	450	620	712	836	656	514	435	217	192	1500
28	509	526	450	620	742	780	649	578	378	209	192	572
29	509	465	450	620	.....	758	635	616	387	203	176	392
30	487	440	450	620	.....	705	629	520	311	203	169	378
31	492	.....	450	620	.....	698	.....	509	.....	192	174	.....
Mean	546	707	599	558	779	763	819	724	700	300	208	385
Max.	1230	2110	1290	620	1160	914	1220	968	1930	460	479	1540
Min.	378	440	410	481	604	635	629	509	311	192	169	124
A.F.	33600	42100	36800	34300	43300	46900	48700	44500	41700	18400	12800	22900

Total Acre-feet 426,000

DISCHARGE OF FAIRFIELD SEEP—Sec. 18-21-53 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	3	4	5	4	3	2	3	6	7	7	5
2	9	3	4	5	4	3	2	3	6	7	7	5
3	9	3	4	5	4	3	2	3	6	7	6	5
4	9	3	4	5	4	3	2	3	6	7	6	5
5	9	3	4	5	4	3	2	3	6	7	7	5
6	9	3	4	5	4	3	1	3	7	6	7	5
7	9	3	4	5	4	3	1	3	7	5	5	5
8	9	3	4	5	4	3	1	2	7	5	7	5
9	9	3	4	5	4	3	1	2	7	5	7	5
10	9	3	4	5	4	3	1	2	7	5	7	5
11	9	3	4	6	3	3	1	2	6	6	7	5
12	9	3	4	6	3	3	1	2	6	7	6	5
13	9	3	4	6	3	3	1	2	6	7	6	6
14	9	3	4	6	3	3	1	2	5	7	5	6
15	9	3	4	6	3	3	1	2	5	7	5	6
16	3	2	4	6	3	2	1	4	5	7	5	6
17	3	2	4	6	3	2	1	4	5	7	5	6
18	3	2	4	6	3	2	1	4	5	7	5	6
19	3	2	4	6	3	2	1	4	6	5	5	6
20	3	2	4	6	3	2	1	4	6	5	5	6
21	3	2	4	5	3	1	2	4	6	5	6	6
22	3	2	4	5	3	1	2	4	6	5	6	6
23	3	2	4	5	3	1	2	4	7	5	6	5
24	3	2	4	5	3	1	2	4	7	5	5	6
25	3	2	4	5	3	1	2	4	7	5	5	6
26	3	2	4	5	3	1	2	6	7	5	5	6
27	3	2	4	5	3	1	2	6	6	5	5	5
28	3	2	4	5	3	1	2	6	6	5	5	5
29	3	2	4	5	—	1	2	6	6	5	5	5
30	3	2	4	5	—	1	2	6	6	5	5	5
31	3	—	4	5	....	1	—	6	—	5	5	—
Mean	6	2	4	5	3	2	1	4	6	6	6	5
Max.	9	3	4	6	4	3	2	6	7	7	7	6
Min.	3	2	4	5	3	1	1	2	5	5	5	5
A.F.	363	149	246	326	189	129	89	221	363	357	350	321

Total Acre-feet 3,103

DISCHARGE OF FANNING SEEP—Sec. 28-23-56 W.
Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	8	10	9	6	5	4	5	3	7	9	7
2	7	8	10	9	6	5	4	5	3	7	9	6
3	7	8	10	9	6	5	4	5	3	6	8	7
4	7	8	10	9	6	5	4	4	3	6	7	7
5	7	8	10	9	6	5	4	4	4	5	6	8
6	7	8	10	9	6	5	4	4	4	5	7	8
7	7	8	10	9	6	5	4	4	4	5	8	9
8	7	8	10	9	6	5	4	4	4	5	7	9
9	7	8	10	9	6	5	4	4	4	5	7	10
10	7	8	10	9	6	5	4	4	5	4	7	9
11	7	8	10	8	6	5	4	3	5	4	7	9
12	7	8	10	8	6	5	4	3	5	3	7	9
13	7	8	10	8	6	5	4	3	5	5	7	9
14	7	8	10	8	6	5	4	3	5	6	7	9
15	7	8	10	8	6	5	4	3	5	6	7	8
16	14	8	10	8	5	5	4	3	5	6	7	8
17	14	8	10	8	5	5	4	3	5	6	7	8
18	14	8	10	8	5	5	4	3	5	6	6	9
19	14	8	10	8	5	5	4	3	5	6	6	9
20	14	8	10	8	5	5	4	3	5	6	6	8
21	14	8	10	7	5	4	4	3	5	6	6	8
22	14	8	10	7	5	4	4	3	5	6	6	7
23	14	8	10	7	5	4	4	3	6	6	6	6
24	14	8	10	7	5	4	4	3	6	6	6	6
25	14	8	10	7	5	4	4	3	6	6	6	6
26	14	8	10	7	5	4	4	3	6	6	6	5
27	14	8	10	7	5	4	4	3	6	6	5	5
28	14	8	10	7	5	4	4	3	6	7	6	4
29	14	8	10	7	----	4	4	3	6	7	6	4
30	14	8	10	7	----	4	4	3	7	7	6	4
31	14	----	10	7	----	4	----	3	----	7	6	----
Mean	11	8	10	8	5	5	4	3	5	6	7	7
Max.	14	8	10	9	6	5	4	5	7	7	9	10
Min.	7	8	10	7	5	4	4	3	3	5	5	4
A. F.	652	476	615	492	305	283	238	209	292	357	412	440

Total Acre-feet 4,771

DISCHARGE OF FRENCHMAN RIVER ABOVE MARANVILLE RESERVOIR—Sec. 10-6-41 W.
Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	5	4	4	4	7	4	4	4	2	2	2
2	7	5	4	4	4	7	4	4	4	2	2	2
3	7	5	4	4	4	7	4	4	4	2	2	2
4	7	5	4	4	4	7	4	4	4	2	2	2
5	7	5	4	4	4	7	4	4	4	2	2	2
6	7	5	4	4	4	7	4	4	4	2	2	2
7	7	5	4	4	4	7	4	4	4	2	2	2
8	7	5	4	4	4	7	4	4	4	2	2	2
9	7	5	4	4	4	7	4	4	4	2	2	2
10	7	5	4	4	4	7	4	4	4	2	2	2
11	7	5	4	4	5	7	3	4	2	2	3	2
12	7	5	4	4	5	7	3	4	2	2	3	2
13	7	5	4	4	5	7	3	4	2	2	3	2
14	7	5	4	4	5	7	3	4	2	2	3	2
15	7	5	4	4	5	7	3	4	2	2	3	2
16	4	5	4	4	5	5	3	5	2	2	3	2
17	4	5	4	4	5	5	3	5	2	2	3	2
18	4	5	4	4	5	5	3	5	2	2	3	2
19	4	5	4	4	5	5	3	5	2	2	3	2
20	4	5	4	4	5	5	3	5	2	2	3	2
21	4	5	4	4	6	5	3	5	2	2	4	2
22	4	5	4	4	6	5	3	5	2	2	4	2
23	4	5	4	4	6	5	3	5	2	2	4	2
24	4	5	4	4	6	5	3	5	2	2	4	2
25	4	5	4	4	6	5	3	5	2	2	4	2
26	4	5	4	4	6	5	3	5	2	2	4	2
27	4	5	4	4	6	5	3	5	2	2	4	2
28	4	5	4	4	6	5	3	5	2	2	4	2
29	4	5	4	4	.....	5	3	5	2	2	4	2
30	4	5	4	4	.....	5	3	5	2	2	4	2
31	4	.....	4	4	.....	5	.....	5	.....	2	4	.....
Mean	5	5	4	4	5	6	3	4	2	2	3	2
Max.	7	5	4	4	6	7	4	5	4	2	4	2
Min.	4	5	4	4	4	5	3	4	2	2	2	2
A. F.	335	297	246	246	274	367	204	278	159	123	186	119

Total Acre-feet 2,830

DISCHARGE OF FRENCHMAN RIVER BELOW MARANVILLE RESERVOIR—Sec. 11-6-41 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0	5.0	5.0	5.0	6.0	5.0	2.0	4.0	1.0	2.0	1.0	1.0
2	2.0	5.0	5.0	5.0	6.0	5.0	2.0	4.0	1.0	2.0	1.0	1.0
3	2.0	5.0	5.0	5.0	6.0	5.0	2.0	4.0	1.0	2.0	1.0	1.0
4	2.0	5.0	5.0	5.0	6.0	5.0	2.0	4.0	1.0	2.0	1.0	1.0
5	2.0	5.0	5.0	5.0	6.0	5.0	2.0	4.0	1.0	2.0	1.0	1.0
6	2.0	5.0	5.0	5.0	6.0	5.0	2.0	4.0	1.0	3.0	1.0	1.0
7	2.0	5.0	5.0	5.0	6.0	5.0	2.0	4.0	1.0	3.0	1.0	1.0
8	2.0	5.0	5.0	5.0	6.0	5.0	2.0	4.0	1.0	3.0	1.0	1.0
9	2.0	5.0	5.0	5.0	6.0	5.0	2.0	4.0	1.0	3.0	1.0	1.0
10	2.0	5.0	5.0	5.0	6.0	5.0	2.0	4.0	1.0	3.0	1.0	1.0
11	7.0	5.0	5.0	5.0	5.0	5.0	2.0	4.0	1.0	2.0	1.0	1.0
12	7.0	5.0	5.0	5.0	5.0	5.0	2.0	4.0	1.0	2.0	1.0	1.0
13	7.0	5.0	5.0	5.0	5.0	5.0	2.0	4.0	1.0	2.0	1.0	1.0
14	7.0	5.0	5.0	5.0	5.0	5.0	2.0	4.0	1.0	2.0	1.0	1.0
15	7.0	5.0	5.0	5.0	5.0	5.0	2.0	4.0	1.0	2.0	1.0	1.0
16	7.0	5.0	5.0	6.0	5.0	3.0	5.0	2.0	.2	2.0	1.0	1.0
17	7.0	5.0	5.0	6.0	5.0	3.0	5.0	2.0	.2	2.0	1.0	1.0
18	7.0	5.0	5.0	6.0	5.0	3.0	5.0	2.0	.2	2.0	1.0	1.0
19	7.0	5.0	5.0	6.0	5.0	3.0	5.0	2.0	.2	2.0	1.0	1.0
20	7.0	5.0	5.0	6.0	5.0	3.0	5.0	2.0	.2	2.0	1.0	1.0
21	7.0	5.0	5.0	6.0	5.0	3.0	5.0	2.0	.2	.2	1.0	1.0
22	7.0	5.0	5.0	6.0	5.0	3.0	5.0	2.0	.2	.2	1.0	1.0
23	7.0	5.0	5.0	6.0	5.0	3.0	5.0	2.0	.2	.2	1.0	1.0
24	7.0	5.0	5.0	6.0	5.0	3.0	5.0	2.0	.2	.2	1.0	1.0
25	7.0	5.0	5.0	6.0	5.0	3.0	5.0	2.0	.2	.2	1.0	1.0
26	7.0	5.0	5.0	6.0	5.0	3.0	4.0	1.0	.2	.2	1.0	1.0
27	7.0	5.0	5.0	6.0	5.0	3.0	4.0	1.0	.2	.2	1.0	1.0
28	7.0	5.0	5.0	6.0	5.0	3.0	4.0	1.0	.2	3.0	1.0	1.0
29	7.0	5.0	5.0	6.0	.....	3.0	4.0	1.0	.2	3.0	1.0	1.0
30	7.0	5.0	5.0	6.0	.....	3.0	4.0	1.0	.2	3.0	1.0	1.0
31	7.0	.....	5.0	6.0	.....	3.0	.....	1.0	.....	8.0	1.0	.....
Mean	5.0	5.0	5.0	5.0	5.0	4.0	3.0	3.0	0.6	2.0	1.0	1.0
Max.	7.0	5.0	5.0	6.0	6.0	5.0	5.0	4.0	1.0	8.0	1.0	1.0
Min.	2.0	5.0	5.0	5.0	5.0	3.0	2.0	1.0	.2	.2	1.0	1.0
A. F.	331.0	297.0	307.0	339.0	298.0	244.0	198.0	170.0	36.0	125.0	61.0	59.0

Total Acre-feet 2,465

DISCHARGE OF FRENCHMAN RIVER BELOW INMAN CANAL—Sec. 17-6-40 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	18	26	26	*	25	19	19	16	10	4	4
2	6	18	26	26	.....	25	19	19	16	10	4	4
3	6	18	26	26	.....	25	19	19	16	10	4	4
4	6	18	26	26	.....	25	19	19	16	10	4	4
5	6	18	26	26	.....	25	19	19	16	10	4	4
6	6	18	26	26	.....	25	19	19	16	10	4	4
7	6	18	26	26	.....	25	19	19	16	10	4	4
8	6	18	26	26	.....	25	19	19	16	10	4	4
9	6	18	26	26	.....	25	19	19	16	10	4	4
10	6	18	26	26	.....	25	19	19	16	10	4	4
11	15	18	26	26	.....	25	19	19	14	8	4	4
12	15	18	26	26	.....	25	19	19	14	8	4	4
13	15	18	26	26	.....	25	19	19	14	8	4	4
14	15	18	26	26	.....	25	19	19	14	8	4	4
15	15	18	26	26	.....	25	19	19	14	8	4	4
16	15	18	26	31	.....	25	12	19	14	8	4	4
17	15	18	26	31	.....	25	12	19	14	8	4	4
18	15	18	26	31	.....	25	12	19	14	8	4	4
19	15	18	26	31	.....	25	12	19	14	8	4	4
20	15	18	26	31	.....	25	12	19	14	8	4	4
21	24	18	26	31	.....	25	12	16	13	6	4	8
22	24	18	26	31	.....	25	12	16	13	6	4	8
23	24	18	26	31	.....	25	12	16	13	6	4	8
24	24	18	26	31	.....	25	12	16	13	6	4	8
25	24	18	26	31	.....	25	12	16	13	6	4	8
26	24	18	26	31	.....	25	12	16	13	6	4	8
27	24	18	26	31	.....	25	12	16	13	6	4	8
28	24	18	26	31	.....	25	12	16	11	6	4	8
29	24	18	26	31	.....	25	12	16	11	6	4	8
30	24	18	26	31	.....	25	12	16	11	6	4	8
31	24	.....	26	31	.....	25	.....	16	.....	6	4	.....
Mean	15	18	26	28	.....	25	15	18	14	8	4	5
Max.	24	18	26	31	.....	25	19	19	16	10	4	8
Min.	6	18	26	26	.....	25	12	16	11	6	4	4
A. F.	940	1071	1599	1757	.....	1537	922	1103	841	488	246	317

Total Acre-feet 10,820

*No record

DISCHARGE OF FRENCHMAN RIVER ABOVE CHAMPION RESERVOIR—Sec. 22-6-40 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	24	25	*	*	32	29	26	40	15	18	8
2	28	24	25	.....	.....	32	29	26	40	15	18	8
3	28	24	25	.....	.....	32	29	26	40	15	18	8
4	28	24	25	.....	.....	32	29	26	40	15	18	8
5	28	24	25	.....	.....	32	29	26	40	15	18	8
6	28	24	25	.....	.....	32	29	26	30	15	18	8
7	28	24	25	.....	.....	32	29	26	30	15	18	8
8	28	24	25	.....	.....	32	29	26	30	15	18	8
9	28	24	25	.....	.....	32	29	26	30	15	18	8
10	28	24	25	.....	.....	32	29	26	30	15	18	8
11	28	24	25	.....	.....	32	29	26	30	15	9	8
12	28	24	25	.....	.....	32	29	26	30	15	9	8
13	28	24	25	.....	.....	32	29	26	30	15	9	8
14	28	24	25	.....	.....	32	29	26	30	15	9	8
15	28	24	25	.....	.....	32	29	26	30	15	9	8
16	32	24	25	.....	.....	32	27	26	20	18	9	8
17	32	24	25	.....	.....	32	27	26	20	18	9	8
18	32	24	25	.....	.....	32	27	26	20	18	9	8
19	32	24	25	.....	.....	32	27	26	20	18	9	8
20	32	24	25	.....	.....	32	27	26	20	18	9	8
21	32	24	25	.....	.....	32	27	26	20	18	8	8
22	32	24	25	.....	.....	32	27	26	20	18	8	8
23	32	24	25	.....	.....	32	27	26	20	18	8	8
24	32	24	25	.....	.....	32	27	26	20	18	8	8
25	32	24	25	.....	.....	32	27	26	20	18	8	8
26	32	24	25	.....	.....	32	27	64	20	18	8	8
27	32	24	25	.....	.....	32	27	64	20	18	8	8
28	32	24	25	.....	.....	32	27	64	20	18	8	8
29	32	24	25	.....	.....	32	27	64	20	18	8	8
30	32	24	25	.....	.....	32	27	64	20	18	8	8
31	32	.....	25	.....	.....	32	.....	64	.....	18	8	.....
Mean	30	24	25	.....	.....	32	28	.....	27	17	12	8
Max.	32	24	25	.....	.....	32	29	64	40	18	18	8
Min.	28	24	25	.....	.....	32	27	26	20	15	8	8
A. F.	1849	1428	1537	.....	.....	1967	1468	1924	1587	1017	710	476

Total Acre-feet 13,960

*No record

DISCHARGE OF FRENCHMAN RIVER NEAR HAMLET—Sec. 19-5-34 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	73	89	85	113	127	120	168	102	93	58	64	79
2	80	87	90	111	120	121	166	103	94	72	74	72
3	85	83	85	109	113	118	159	100	91	67	77	79
4	90	89	80	113	116	123	150	98	98	110	73	79
5	91	98	85	111	120	124	149	96	101	95	75	79
6	95	85	100	109	124	121	141	98	100	86	73	83
7	100	85	115	115	122	122	140	100	98	89	137	87
8	100	89	114	113	120	120	139	103	96	87	99	76
9	92	85	113	114	119	120	136	103	97	86	927	71
10	88	84	114	114	118	114	129	99	92	75	183	76
11	92	86	117	115	116	119	124	95	100	68	132	72
12	106	92	114	114	118	117	114	92	100	76	123	77
13	101	90	115	100	118	119	113	94	96	75	119	73
14	104	88	115	95	115	117	106	98	100	73	110	63
15	99	92	115	90	117	114	104	95	105	55	99	77
16	95	87	116	90	117	115	100	92	99	76	92	67
17	97	86	110	100	117	113	99	94	100	63	95	80
18	95	85	110	117	121	112	99	96	93	73	96	89
19	93	98	110	110	118	111	87	91	94	67	83	79
20	86	70	109	109	114	111	95	87	91	60	83	86
21	92	49	109	113	116	108	89	91	88	73	87	83
22	95	62	115	113	122	106	83	86	88	67	118	75
23	92	68	103	110	127	118	97	80	84	72	92	66
24	89	82	110	114	121	113	99	89	81	75	101	79
25	89	80	105	116	119	116	100	79	83	70	95	77
26	92	80	104	117	120	123	105	135	81	70	87	81
27	88	80	100	114	120	100	115	133	71	67	75	82
28	90	80	108	118	120	80	110	103	67	67	82	86
29	88	80	109	122	.....	90	109	102	64	60	91	86
30	91	80	103	121	.....	100	108	99	64	75	86	83
31	91	.....	106	124	.....	124	.....	97	.....	59	87	.....
Mean	92	83	106	111	119	114	118	98	90	73	123	78
Max.	106	98	117	124	127	124	168	135	105	110	927	89
Min.	73	49	80	90	113	80	83	79	64	55	64	63
A. F.	5670	4940	6520	6820	6610	7010	7020	6010	5370	4490	7560	4650

Total Acre-feet 72,700

DISCHARGE OF FRENCHMAN RIVER NEAR CULBERTSON—Sec. 17-3-31 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	168	150	184	130	150	160	172	142	52	22	47	47
2	168	150	184	130	150	160	188	142	52	22	47	47
3	168	150	184	130	150	160	204	142	52	22	47	47
4	168	150	184	130	150	160	204	142	32	32	47	37
5	168	150	184	130	150	160	204	142	63	52	47	47
6	168	150	184	130	150	160	220	128	42	68	47	47
7	168	150	184	130	150	160	204	128	42	58	297	37
8	168	150	184	130	150	160	204	128	52	68	119	37
9	168	150	184	130	150	160	180	128	42	80	264	37
10	168	150	184	130	150	160	164	128	42	68	420	37
11	168	184	150	130	150	142	156	128	32	69	297	27
12	168	184	150	130	150	156	142	128	52	47	232	27
13	168	184	150	130	150	156	135	114	63	47	172	27
14	168	184	150	130	150	156	135	114	86	37	145	27
15	168	184	150	130	150	156	114	114	74	27	132	27
16	131	184	150	130	160	156	107	114	74	42	119	27
17	131	184	150	130	160	156	107	114	74	42	119	27
18	131	184	150	130	160	142	86	114	74	42	106	27
19	131	184	150	130	160	142	86	114	63	42	93	37
20	131	184	150	130	160	156	93	114	52	42	81	37
21	131	184	150	150	160	142	93	114	52	47	64	27
22	131	184	130	175	160	142	114	114	52	47	52	27
23	131	184	130	229	160	142	114	86	42	47	64	37
24	131	184	130	200	160	142	121	86	42	47	87	37
25	131	184	130	175	160	142	121	74	32	47	75	58
26	131	184	130	150	160	120	128	74	32	47	64	58
27	131	184	130	150	160	100	128	63	32	47	52	58
28	131	184	130	150	160	90	149	52	32	47	52	58
29	131	184	130	150	.....	100	135	52	22	47	64	58
30	131	184	130	150	.....	125	149	63	22	47	64	47
31	131	.....	130	150	.....	150	.....	63	.....	47	64	.....
Mean	148	172	154	143	155	146	145	108	49	47	115	39
Max.	168	184	184	229	160	160	220	142	86	80	420	58
Min.	131	150	130	130	150	90	86	52	22	22	47	27
A. F.	9156	10274	9461	8785	8588	8951	8630	6640	2930	2870	7070	2330

Total Acre-feet 85,685

DISCHARGE OF GERING DRAIN NEAR GERING—Sec. 6-21-54 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	35	42	38	42	31	31	23	71	47	48	32
2	40	35	42	38	42	29	30	26	71	48	44	34
3	40	35	42	38	42	30	26	24	38	47	48	36
4	40	35	42	38	42	28	31	23	40	48	48	34
5	40	35	42	38	42	27	26	29	75	87	47	32
6	48	35	42	38	42	25	26	28	49	62	50	30
7	48	35	42	38	42	21	25	24	71	47	53	34
8	48	35	42	38	42	26	24	28	108	48	52	31
9	48	35	42	38	42	18	26	54	54	59	54	32
10	48	35	42	38	42	20	23	29	79	47	54	34
11	48	40	40	36	44	20	24	28	63	47	51	29
12	48	40	40	36	44	22	26	26	114	49	52	26
13	48	40	40	36	44	21	26	72	109	75	51	26
14	48	40	40	36	44	22	26	85	59	57	48	33
15	48	40	40	36	44	24	25	101	130	50	47	28
16	55	40	40	36	44	25	26	74	111	49	51	28
17	55	40	40	36	44	27	25	49	71	49	52	24
18	55	40	40	36	42	28	21	92	71	49	52	24
19	55	40	40	36	41	32	20	83	63	49	52	24
20	55	40	40	36	40	29	19	76	74	49	52	36
21	48	44	40	38	42	31	18	49	71	49	55	24
22	48	44	40	38	40	32	20	29	72	56	51	30
23	48	44	40	38	36	31	20	22	66	47	49	30
24	48	44	40	38	37	30	18	33	72	50	49	35
25	48	44	40	38	36	29	27	24	68	50	47	51
26	48	44	40	38	35	25	26	24	69	49	41	34
27	48	44	40	38	34	25	26	79	72	44	34	36
28	48	44	40	38	33	25	26	27	74	48	37	37
29	48	44	40	38	.....	28	25	31	68	52	30	36
30	48	44	40	38	.....	27	27	48	46	52	40	35
31	48	.....	40	38	.....	32	.....	71	.....	46	30	.....
Mean	48	40	41	37	41	26	25	46	73	52	47	32
Max.	55	44	42	38	44	32	31	101	130	87	55	51
Min.	40	35	40	36	33	18	18	22	38	44	30	24
A.F.	2940	2360	2500	2300	2270	1630	1460	2800	4360	3190	2910	1890

Total Acre-feet 19,200

DISCHARGE OF GOTHENBURG POWER WASTE NEAR WEST 16th STREET, GOTHENBURG—Sec. 16-11-25 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	170	174	100	*	*	*	*	*	162	36	25	76
2	170	154	118	.....	.....	.....	.....	.....	162	64	28	130
3	170	164	136	.....	.....	.....	.....	.....	162	144	31	122
4	170	164	108	.....	.....	.....	.....	.....	162	140	36	76
5	146	164	113	.....	.....	.....	.....	.....	100	152	72	104
6	164	164	145	**49	.....	.....	.....	.....	95	140	108	166
7	164	164	140	.....	.....	.....	.....	.....	88	172	100	166
8	164	164	140	.....	.....	.....	.....	.....	190	166	144	166
9	170	164	170	.....	.....	.....	.....	.....	177	126	96	156
10	170	174	126	.....	**194	.....	.....	.....	172	108	155	166
11	192	164	130	.....	.....	.....	.....	.....	177	120	162	172
12	164	164	126	.....	.....	.....	.....	**187	182	116	144	182
13	174	164	126	.....	.....	.....	.....	.....	177	140	122	166
14	164	136	126	.....	.....	.....	.....	.....	167	190	144	162
15	178	174	126	.....	.....	.....	.....	.....	172	172	172	177
16	170	160	100	.....	.....	.....	.....	.....	177	130	156	172
17	174	164	100	.....	.....	.....	.....	.....	177	118	156	166
18	174	164	100	.....	.....	.....	.....	.....	177	96	162	177
19	160	170	100	.....	.....	.....	.....	.....	172	84	162	177
20	164	122	100	.....	.....	.....	.....	.....	172	87	130	176
21	170	92	80	.....	.....	.....	.....	.....	167	50	100	182
22	170	108	80	.....	.....	.....	.....	.....	172	50	42	177
23	170	130	80	.....	.....	.....	.....	.....	177	42	68	136
24	174	154	80	.....	.....	.....	.....	.....	156	30	162	146
25	174	150	80	.....	.....	.....	.....	.....	126	22	162	148
26	178	145	50	.....	.....	**197	.....	.....	112	25	162	136
27	182	120	50	.....	.....	.....	.....	.....	126	30	166	129
28	160	136	50	.....	.....	.....	.....	.....	126	33	138	130
29	170	120	50	.....	.....	.....	.....	.....	80	33	130	122
30	164	92	50	.....	.....	.....	.....	.....	34	28	162	124
31	164	.....	50	.....	.....	.....	.....	.....	.....	22	134	.....
Mean	165	139	101	.....	.....	.....	.....	.....	149	93	120	149
Max.	192	174	145	.....	.....	.....	.....	.....	190	190	172	182
Min.	146	92	50	.....	.....	.....	.....	.....	34	22	25	76
A.F.	10409	8785	6208	.....	.....	.....	.....	.....	8918	5685	7400	8896

*No record
**Actual measurements

DISCHARGE OF GRAVEL CREEK—Sec. 9-14-36 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	2	2	3	2	2	2	2	3	2	2	2
2	0	2	2	3	2	2	2	2	3	2	2	2
3	0	2	2	3	2	2	2	2	3	2	2	2
4	0	2	2	3	2	2	2	2	3	2	2	2
5	0	2	2	3	2	2	2	2	3	2	2	2
6	0	2	2	3	2	2	2	2	2	2	2	2
7	0	2	2	3	2	2	2	2	2	2	2	2
8	0	2	2	3	2	2	2	2	2	2	2	2
9	0	2	2	3	2	2	2	2	2	2	2	2
10	0	2	2	3	2	2	2	2	2	2	2	2
11	0	2	2	3	2	2	2	2	2	2	2	2
12	0	2	2	3	2	2	2	2	2	2	2	2
13	0	2	2	3	2	2	2	2	2	2	2	2
14	0	2	2	3	2	2	2	2	2	2	2	2
15	0	2	2	3	2	2	2	2	2	2	2	2
16	2	2	3	2	2	2	2	2	2	2	1	2
17	2	2	3	2	2	2	2	2	2	2	1	2
18	2	2	3	2	2	2	2	2	2	2	1	2
19	2	2	3	2	2	2	2	2	2	2	1	2
20	2	2	3	2	2	2	2	2	2	2	1	2
21	2	2	3	2	2	2	2	2	2	2	1	2
22	2	2	3	2	2	2	2	2	2	2	1	2
23	2	2	3	2	2	2	2	2	2	2	1	2
24	2	2	3	2	2	2	2	2	2	2	1	2
25	2	2	3	2	2	2	2	2	2	2	1	2
26	2	2	3	2	2	2	2	2	2	2	1	2
27	2	2	3	2	2	2	2	2	2	2	1	2
28	2	2	3	2	2	2	2	2	2	2	1	2
29	2	2	3	2	....	2	2	2	2	2	1	2
30	2	2	3	2	....	2	2	2	2	2	1	2
31	2	—	3	2	—	2	....	2	—	2	1	....
Mean	1	2	2	2	2	2	2	2	2	2	1	2
Max.	2	2	3	3	2	2	2	2	3	2	2	2
Min.	0	2	2	2	2	2	2	2	2	2	1	2
A.F.	63	119	154	154	111	123	119	123	131	123	92	119

Total Acre-feet 1,431
Entire record estimated

DISCHARGE OF HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	250	100	125	100	65	81	130	146	130	88	92	96
2	250	100	125	100	65	81	190	55	88	103	92	88
3	250	100	125	100	65	76	144	75	72	90	98	82
4	250	100	125	100	65	70	90	215	66	106	86	77
5	250	100	125	100	65	60	117	190	82	120	89	77
6	200	100	125	100	65	50	114	198	150	120	92	86
7	200	100	125	100	65	50	94	163	253	108	92	86
8	200	100	125	100	65	60	80	124	284	95	86	80
9	200	100	125	100	65	66	73	198	223	104	98	75
10	200	100	125	100	65	100	66	186	198	92	93	96
11	200	90	110	75	50	88	62	57	223	104	99	74
12	200	90	110	75	50	87	52	107	163	111	87	63
13	200	90	110	75	50	76	47	82	253	104	87	63
14	200	90	110	75	50	76	47	122	198	104	87	59
15	200	90	110	75	50	81	43	91	132	95	82	55
16	150	90	110	75	50	82	43	61	132	101	88	55
17	150	90	110	75	50	77	43	47	78	95	82	55
18	150	90	110	75	49	72	42	113	116	95	82	46
19	150	90	110	75	41	72	42	103	117	89	82	46
20	150	90	110	75	40	72	34	103	103	99	77	47
21	150	100	110	75	44	44	34	79	90	102	78	39
22	150	100	110	75	40	40	40	103	87	106	78	47
23	150	100	110	75	64	40	48	90	87	106	78	47
24	150	100	110	75	60	40	48	67	81	93	78	61
25	150	100	110	75	69	40	44	62	84	96	79	56
26	125	100	110	75	73	30	40	88	101	90	81	56
27	125	100	110	75	73	30	36	100	95	96	82	47
28	125	100	110	75	84	30	33	77	98	90	81	47
29	125	100	110	75	—	50	33	88	86	89	87	43
30	125	100	110	75	....	100	66	72	100	88	81	39
31	125	—	110	75	....	107	—	77	....	88	90	—
Mean	177	97	115	83	58	65	66	107	132	99	86	63
Max.	250	100	125	100	84	107	190	215	284	120	99	96
Min.	125	90	110	75	40	30	33	47	66	88	77	39
A.F.	10900	5750	7070	5110	3250	4020	3920	6580	7860	6080	5280	3740

Total Acre-feet 69,560

DISCHARGE OF HORSE CREEK NEAR PARKS—Sec. 23-1-39 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	2	2	2	2	2	1	1	2	1	0	0
2	2	2	2	2	2	2	1	1	2	1	0	0
3	2	2	2	2	2	2	1	1	2	1	0	0
4	2	2	2	2	2	2	1	1	2	1	0	0
5	2	2	2	2	2	2	1	1	2	1	0	0
6	2	2	2	2	2	2	1	1	2	1	0	0
7	2	2	2	2	2	2	1	1	2	1	0	0
8	2	2	2	2	2	2	1	1	2	1	0	0
9	2	2	2	2	2	2	1	1	2	1	0	0
10	2	2	2	2	2	2	1	1	2	1	0	0
11	2	1	2	2	2	2	1	1	2	1	0	0
12	2	1	2	2	2	2	1	1	2	1	0	0
13	2	1	2	2	2	2	1	1	2	1	0	0
14	2	1	2	2	2	2	1	1	2	1	0	0
15	2	1	2	2	2	2	1	1	2	1	0	0
16	2	1	2	2	2	2	1	1	2	0	0	0
17	2	1	2	2	2	2	1	1	2	0	0	0
18	2	1	2	2	2	2	1	1	2	0	0	0
19	2	1	2	2	2	2	1	1	2	0	0	0
20	2	1	2	2	2	2	1	1	2	0	0	0
21	2	1	2	2	2	2	1	1	2	0	0	0
22	2	1	2	2	2	2	1	1	2	0	0	0
23	2	1	2	2	2	2	1	1	2	0	0	0
24	2	1	2	2	2	2	1	1	2	0	0	0
25	2	1	2	2	2	2	1	1	2	0	0	0
26	2	2	2	2	2	2	1	1	2	0	0	1
27	2	2	2	2	2	2	1	1	2	0	0	1
28	2	2	2	2	2	2	1	1	2	0	0	1
29	2	2	2	2	....	2	1	1	2	0	0	1
30	2	2	2	2	....	2	1	1	2	0	0	1
31	2	—	2	2	....	2	—	1	—	0	0	—
Mean	2	1	2	2	2	2	1	1	2	0.5	0	0.1
Max.	2	2	2	2	2	2	1	1	2	1	0	1
Min.	2	1	2	2	2	2	1	1	2	0	0	0
A.F.	123	89	123	123	111	123	59	60	119	30	0	10

Total Acre-feet 970

DISCHARGE OF INDIAN CREEK NEAR NORTHPORT WYE—Sec. 19-20-50 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45	15	11	9	7	6	10	5	10	18	9	28
2	45	15	11	9	7	6	10	5	10	16	12	16
3	45	15	11	9	7	6	10	5	10	9	17	18
4	45	15	11	9	7	6	10	5	10	10	18	19
5	45	15	11	9	7	6	10	5	10	11	11	19
6	18	13	11	9	7	5	10	4	15	12	11	17
7	18	13	11	9	7	5	4	4	20	11	18	20
8	18	13	11	9	7	5	4	4	48	8	10	20
9	18	13	11	9	7	5	4	4	30	12	14	22
10	18	13	11	9	7	5	4	4	12	11	11	19
11	16	13	10	8	7	9	4	4	14	12	14	16
12	16	13	10	8	7	9	4	4	26	14	16	16
13	16	13	10	8	7	9	4	4	24	16	14	18
14	16	13	10	8	7	9	4	4	13	14	14	17
15	16	13	10	8	7	9	4	4	13	12	14	18
16	16	12	10	8	6	9	3	4	14	12	14	20
17	16	12	10	8	6	9	3	4	12	13	15	17
18	16	12	10	8	6	9	3	4	10	16	14	19
19	16	12	10	8	6	9	3	4	9	11	19	20
20	16	12	10	8	6	9	3	4	9	12	14	22
21	16	13	9	8	6	9	4	3	18	15	14	22
22	16	13	9	8	6	9	4	3	28	14	14	20
23	16	13	9	8	6	9	4	3	13	19	19	20
24	16	13	9	8	6	9	4	3	23	19	22	24
25	16	13	9	8	6	9	4	3	19	19	15	20
26	16	13	9	8	6	6	4	3	13	14	15	26
27	16	13	9	8	6	6	4	3	13	12	15	20
28	16	13	9	8	6	6	4	5	13	11	22	19
29	16	13	9	8	—	6	4	5	13	13	15	20
30	16	13	9	8	—	6	4	5	13	11	15	22
31	16	—	9	8	—	6	—	5	13	10	17	—
Mean	21	13	10	8	6	7	5	4	16	13	14	19
Max.	45	15	11	9	7	9	10	5	48	19	22	28
Min.	16	12	9	8	6	6	3	3	9	10	9	16
A.F.	1290	786	615	510	361	449	298	252	964	806	916	1180

Total Acre-feet 8,427

DISCHARGE OF KEITH-LINCOLN COUNTY DRAIN—Sec. 23-14-35 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	3	9	3	3	3	10	4	3	3	2	2
2	5	3	9	3	3	3	10	4	3	3	2	2
3	5	3	9	3	3	3	10	4	3	3	2	2
4	5	3	9	3	3	3	10	4	3	3	2	2
5	5	3	9	3	3	3	10	4	3	3	2	2
6	5	3	9	3	3	2	8	4	4	3	2	2
7	5	3	9	3	3	2	8	4	4	3	2	2
8	5	3	9	3	3	2	8	4	4	3	2	2
9	5	3	9	3	3	2	8	4	4	3	2	2
10	5	3	9	3	3	2	8	4	4	3	2	2
11	5	3	6	2	3	3	6	4	4	3	2	2
12	5	3	6	2	3	3	6	4	4	3	2	2
13	5	3	6	2	3	3	6	4	4	3	2	2
14	5	3	6	2	3	3	6	4	4	3	2	2
15	5	3	6	2	3	3	6	4	4	3	2	2
16	4	3	6	2	2	3	4	3	4	2	2	2
17	4	3	6	2	2	3	4	3	4	2	2	2
18	4	3	6	2	2	3	4	3	4	2	2	2
19	4	3	6	2	2	3	4	3	4	2	2	2
20	4	3	6	2	2	3	4	3	4	2	2	2
21	4	5	4	3	2	3	4	3	3	2	2	2
22	4	5	4	3	2	3	4	3	3	2	2	2
23	4	5	4	3	2	3	4	3	3	2	2	2
24	4	5	4	3	2	3	4	3	3	2	2	2
25	4	5	4	3	2	3	4	3	3	2	2	2
26	4	7	4	3	2	2	4	2	3	2	2	3
27	4	7	4	3	2	2	4	2	3	2	2	3
28	4	7	4	3	2	2	4	2	3	2	2	3
29	4	7	4	3	—	2	4	3	3	2	2	3
30	4	7	4	3	—	2	4	3	3	2	2	—
31	4	—	4	3	—	2	—	3	—	2	2	—
Mean	4	4	6	3	2	3	6	4	4	2	2	2
Max.	5	7	9	3	3	3	10	4	4	3	2	3
Min.	4	3	6	2	2	2	4	3	3	2	2	2
A.F.	277	238	387	166	139	160	357	215	208	154	123	131

Total Acre-feet 2,555

DISCHARGE OF LANE DRAIN—Sec. 30-23-57 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.0	3.0	8.0	8.0	1.5	2.0	1.0	0.5	3.0	5.0	8.0	5.0
2	5.0	3.0	8.0	8.0	1.5	2.0	1.0	.5	3.0	5.0	8.0	5.0
3	5.0	3.0	8.0	8.0	1.5	2.0	1.0	.5	3.0	5.0	8.0	5.0
4	5.0	3.0	8.0	8.0	1.5	2.0	1.0	.5	3.0	5.0	8.0	5.0
5	5.0	3.0	8.0	8.0	1.5	2.0	1.0	.5	3.0	5.0	8.0	5.0
6	5.0	3.0	8.0	5.0	1.5	2.0	1.0	.5	3.0	5.0	8.0	5.0
7	5.0	3.0	8.0	5.0	1.5	2.0	1.0	.5	3.0	5.0	8.0	5.0
8	5.0	3.0	8.0	5.0	1.5	2.0	1.0	.5	3.0	5.0	8.0	5.0
9	5.0	3.0	8.0	5.0	1.5	2.0	1.0	.5	3.0	5.0	8.0	5.0
10	5.0	3.0	8.0	5.0	1.5	2.0	1.0	.5	3.0	5.0	8.0	5.0
11	5.0	3.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
12	5.0	3.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
13	5.0	3.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
14	5.0	3.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
15	5.0	3.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
16	5.0	2.0	8.0	3.0	1.5	2.0	1.0	1.6	3.0	5.0	4.0	6.0
17	5.0	2.0	8.0	3.0	1.5	2.0	1.0	1.6	3.0	5.0	4.0	6.0
18	5.0	2.0	8.0	3.0	1.5	2.0	1.0	1.6	3.0	5.0	4.0	6.0
19	5.0	2.0	8.0	3.0	1.5	2.0	1.0	1.6	3.0	5.0	4.0	6.0
20	5.0	2.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
21	5.0	2.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
22	5.0	2.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
23	5.0	2.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
24	5.0	2.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
25	5.0	2.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	6.0
26	5.0	2.0	8.0	3.0	1.5	2.0	1.0	1.6	3.0	5.0	6.0	6.0
27	5.0	2.0	8.0	3.0	1.5	2.0	1.0	1.6	3.0	5.0	6.0	6.0
28	5.0	2.0	8.0	3.0	1.5	2.0	1.0	1.6	3.0	5.0	6.0	6.0
29	5.0	2.0	8.0	3.0	.....	2.0	1.0	1.6	3.0	5.0	6.0	6.0
30	5.0	2.0	8.0	3.0	.....	2.0	1.0	1.6	3.0	5.0	6.0	6.0
31	5.0	.....	8.0	3.0	.....	2.0	.....	1.6	.....	5.0	6.0	.....
Mean	5.0	3.0	8.0	4.0	1.5	2.0	1.0	1.0	3.0	5.0	6.0	5.0
Max.	5.0	3.0	8.0	8.0	1.5	2.0	1.0	1.6	3.0	5.0	8.0	6.0
Min.	5.0	2.0	8.0	3.0	1.5	2.0	1.0	.5	3.0	5.0	4.0	5.0
A.F.	307.0	149.0	492.0	246.0	83.0	123.0	59.0	61.0	179.0	307.0	369.0	327.0

Total Acre-feet 2,704

DISCHARGE OF LEWELLEN DRAIN—Sec. 28-16-42 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	3	3	3	3	2	5	2	2	1	2	1
2	3	3	3	3	3	2	5	2	2	1	2	1
3	3	3	3	3	3	2	5	2	2	1	2	1
4	3	3	3	3	3	2	5	2	2	1	2	1
5	3	3	3	3	3	2	5	2	2	1	2	1
6	3	3	3	3	3	1	4	2	2	1	2	1
7	3	3	3	3	3	1	4	2	2	1	2	1
8	3	3	3	3	3	1	4	2	2	1	2	1
9	3	3	3	3	3	1	4	2	2	1	2	1
10	3	3	3	3	3	1	4	2	2	1	2	1
11	3	3	3	3	3	2	4	2	2	1	1	1
12	3	3	3	3	3	2	4	2	2	1	1	1
13	3	3	3	3	3	2	4	2	2	1	1	1
14	3	3	3	3	3	2	4	2	2	1	1	1
15	3	3	3	3	3	2	4	2	2	1	1	1
16	3	3	3	3	2	2	3	2	1	1	1	2
17	3	3	3	3	2	2	3	2	1	1	1	2
18	3	3	3	3	2	2	3	2	1	1	1	2
19	3	3	3	3	2	2	3	2	1	1	1	2
20	3	3	3	3	2	2	3	2	1	1	1	2
21	3	3	3	3	2	2	3	2	1	1	1	2
22	3	3	3	3	2	2	3	2	1	1	1	2
23	3	3	3	3	2	2	3	2	1	1	1	2
24	3	3	3	3	2	2	3	2	1	1	1	2
25	3	3	3	3	2	2	3	2	1	1	1	2
26	3	3	3	3	2	1	2	2	1	1	1	2
27	3	3	3	3	2	1	2	2	1	1	1	2
28	3	3	3	3	2	1	2	2	1	1	1	2
29	3	3	3	3	—	1	2	2	1	1	1	2
30	3	3	3	3	—	1	2	2	1	1	1	2
31	3	—	3	3	—	1	....	2	—	1	1	—
Mean	3	3	3	3	2	2	4	2	1	1	1	1
Max.	3	3	3	3	3	2	5	2	2	1	2	2
Min.	3	3	3	3	2	1	2	2	1	1	1	1
A.F.	184	179	184	184	139	98	208	123	89	61	80	89

Total Acre-feet 1,618

DISCHARGE OF LINCOLN COUNTY DRAIN NO. 1—Sec. 30-14-30 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	110	84	70	71	66	66	59	60	103	96	99	113
2	110	84	70	71	66	66	66	60	102	94	103	97
3	110	84	70	71	66	66	74	60	97	92	103	87
4	110	84	70	71	66	66	74	60	98	106	105	91
5	110	84	70	71	66	66	79	59	111	116	104	105
6	110	84	80	71	66	66	75	58	115	106	115	105
7	110	84	80	71	66	66	77	58	116	105	116	101
8	110	84	80	71	66	66	73	58	115	105	122	104
9	110	84	80	71	66	66	69	58	119	104	111	109
10	110	84	80	71	66	66	69	58	137	113	107	109
11	110	84	80	71	66	66	69	56	132	116	107	112
12	110	84	80	71	66	66	68	55	123	117	109	109
13	110	84	80	71	66	66	68	55	127	118	109	109
14	110	84	80	71	66	66	65	59	126	115	105	114
15	110	84	80	71	66	66	65	61	124	117	105	115
16	97	84	80	71	66	70	64	78	124	106	107	114
17	97	84	80	71	66	70	64	76	122	105	105	99
18	97	84	80	71	66	70	64	69	122	110	104	110
19	97	84	80	71	66	70	64	66	124	107	103	104
20	97	84	80	71	66	70	64	73	128	101	95	103
21	97	84	70	71	66	70	64	66	134	106	91	101
22	97	84	70	71	66	70	62	66	132	105	89	97
23	97	84	70	71	66	70	64	66	124	105	91	97
24	97	84	70	71	66	70	67	68	114	99	95	99
25	97	84	70	71	66	70	62	74	104	96	95	105
26	97	84	70	71	66	70	61	88	107	89	93	98
27	97	84	70	71	66	70	64	82	98	87	93	101
28	97	84	70	71	66	70	62	87	99	86	97	98
29	97	84	70	71	....	70	62	91	96	86	97	92
30	97	84	70	71	....	70	61	94	97	89	103	89
31	97	....	70	71	....	64	....	104	....	91	107	....
Mean	†106	†84	†75	†71	†66	†67	66	68	115	103	103	103
Max.	110	84	80	71	66	70	79	104	137	118	122	115
Min.	97	84	70	71	66	64	59	55	96	86	89	87
A. F.	6351	4998	4602	4365	3665	4173	3965	4191	6883	6323	6317	6123

Total Acre-feet 61,960

†Estimated.

DISCHARGE OF LINCOLN COUNTY DRAIN NO. 2—Sec. 12-14-33 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	9	5	6	6	6	7	7	7	7	6	5
2	12	9	5	6	6	6	7	7	7	7	6	7
3	12	9	5	6	6	6	7	7	7	5	6	8
4	12	9	5	6	6	6	7	7	7	5	6	7
5	12	9	5	6	6	6	7	7	7	6	6	8
6	12	9	5	6	6	6	7	7	6	6	6	8
7	12	9	5	6	6	6	7	7	6	6	6	9
8	12	9	5	6	6	6	7	7	6	7	6	9
9	12	9	5	6	6	6	7	7	6	6	6	9
10	12	9	5	6	6	6	7	7	6	6	5	9
11	12	9	5	6	6	6	7	7	6	6	6	8
12	12	9	5	6	6	6	7	7	6	7	5	9
13	12	9	5	6	6	6	7	7	6	6	6	9
14	12	9	5	6	6	6	7	7	6	6	4	8
15	12	9	5	6	6	6	7	7	6	6	5	8
16	10	9	6	6	6	6	7	7	8	6	6	8
17	10	9	6	6	6	6	7	7	8	6	6	6
18	10	9	6	6	6	6	7	7	8	6	6	6
19	10	9	6	6	6	6	7	7	8	6	5	8
20	10	9	6	6	6	6	7	7	8	6	5	8
21	10	7	6	6	6	6	7	7	8	6	6	7
22	10	7	6	6	6	6	7	7	8	6	6	6
23	10	7	6	6	6	6	7	7	8	6	5	5
24	10	7	6	6	6	6	7	7	8	6	5	5
25	10	7	6	6	6	6	7	7	8	6	4	5
26	10	7	6	6	6	6	7	7	8	6	4	5
27	10	7	6	6	6	6	7	7	8	5	3	6
28	10	7	6	6	6	6	7	7	8	5	3	6
29	10	7	6	6	—	6	7	7	7	6	5	6
30	10	7	6	6	—	6	7	7	7	6	5	6
31	10	—	6	6	....	6	—	7	....	6	6	—
Mean	11	8	5	6	6	6	7	7	7	6	5	7
Max.	12	9	6	6	6	6	7	7	8	7	6	9
Min.	10	7	5	6	6	6	7	7	6	5	3	5
A. F.	676	494	338	370	333	370	417	430	422	370	326	422

Total Acre-feet 4,968

DISCHARGE OF LINGLE POWER PLANT AT LINGLE, WYOMING—
Sec. 25-25-63 W.
Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	190	181	259	280	252	261	260	145	244	56	80	187
2	201	180	245	181	251	292	240	147	232	56	93	257
3	254	180	245	276	264	298	246	162	203	69	121	257
4	294	182	253	284	272	298	211	152	155	95	163	259
5	290	180	261	249	268	291	232	166	155	90	170	253
6	297	158	262	271	273	276	257	152	151	86	168	256
7	278	76	262	272	270	270	248	169	151	94	168	256
8	272	68	245	271	262	256	222	156	156	94	169	252
9	297	0	266	286	254	299	216	156	144	95	168	254
10	295	58	267	271	263	296	235	142	182	75	169	252
11	302	104	257	224	260	284	237	169	183	31	169	252
12	302	176	272	251	263	222	216	140	158	31	122	252
13	297	188	266	265	253	156	174	151	157	30	108	250
14	297	158	268	265	263	204	220	142	156	32	110	252
15	248	128	256	268	252	256	207	151	153	33	111	235
16	276	0	277	277	255	200	206	137	159	34	113	266
17	194	62	234	288	259	247	203	134	86	34	113	230
18	253	230	275	285	273	263	169	159	69	32	113	223
19	294	236	257	249	262	263	127	155	78	33	108	274
20	282	267	232	271	276	254	174	150	78	33	110	205
21	286	200	262	277	272	258	194	146	79	33	109	208
22	299	236	224	282	253	248	152	194	74	31	112	248
23	292	201	267	290	282	265	138	254	30	30	110	257
24	283	150	296	286	289	251	192	251	21	34	111	266
25	169	270	277	256	289	156	183	246	20	31	110	273
26	167	273	249	266	285	229	137	254	21	33	110	253
27	146	258	265	283	292	152	151	252	21	58	112	253
28	150	240	258	279	288	250	150	238	20	70	113	274
29	136	236	260	286	.....	238	132	250	23	72	111	252
30	156	214	283	283	.....	254	137	250	26	71	113	234
31	180	.....	290	293	.....	236	.....	241	.....	71	111	234
Mean	248	170	260	272	268	247	195	181	113	54	125	248
Max.	302	273	296	293	292	299	260	254	244	95	170	274
Min.	136	0	224	249	251	152	127	134	20	30	80	187
A.F.	15230	10095	16045	16790	14880	15319	11640	11130	6710	3310	7670	14760

Total Acre-feet 143,579

DISCHARGE OF LODGEPOLE CREEK AT WYOMING-NEBRASKA LINE—
Sec. 11-14-59 W.
Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	16	14	12	13	12	12	15	12	5	4	4
2	8	16	14	12	13	12	12	15	12	5	4	4
3	8	16	14	12	13	12	12	15	12	5	4	4
4	8	16	14	12	13	12	12	15	12	5	4	4
5	8	16	14	12	13	12	12	15	12	5	4	4
6	8	16	14	12	13	12	12	15	12	5	4	4
7	8	16	14	12	13	12	12	15	12	5	4	4
8	8	16	14	12	13	12	12	15	12	5	4	4
9	8	16	14	12	13	12	12	15	12	5	4	4
10	8	16	14	12	13	12	12	15	12	5	4	4
11	8	16	14	12	13	12	10	13	10	5	4	4
12	8	16	14	12	13	12	10	13	10	5	4	4
13	8	16	14	12	13	12	10	13	10	5	4	4
14	8	16	14	12	13	12	10	13	10	5	4	4
15	8	16	14	12	13	12	10	13	10	5	4	4
16	10	14	12	13	12	12	10	13	10	3	4	5
17	10	14	12	13	12	12	10	13	10	3	4	5
18	10	14	12	13	12	12	10	13	10	3	4	5
19	10	14	12	13	12	12	10	13	10	3	4	5
20	10	14	12	13	12	12	10	13	10	3	4	5
21	10	14	12	13	12	12	13	13	7	3	4	5
22	10	14	12	13	12	12	13	13	7	3	4	5
23	10	14	12	13	12	12	13	13	7	3	4	5
24	10	14	12	13	12	12	13	13	7	3	4	5
25	10	14	12	13	12	12	13	13	7	3	4	5
26	10	14	12	13	12	12	13	13	7	3	4	5
27	10	14	12	13	12	12	13	13	7	3	4	5
28	10	14	12	13	12	12	13	13	7	3	4	5
29	10	14	12	13	—	12	13	13	7	3	4	5
30	10	14	12	13	—	12	13	13	7	3	4	5
31	10	—	12	13	—	12	—	13	....	3	4	—
Mean	9	15	13	12	12	12	12	14	9	4	4	4
Max.	10	16	14	13	13	12	13	15	12	5	4	5
Min.	8	14	12	12	12	12	10	13	7	3	4	4
A.F.	555	893	797	770	696	738	694	839	575	244	246	278

Total Acre-feet 7,325

DISCHARGE OF LODGEPOLE CREEK AT BUSHNELL—Sec. 31-15-57 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	22	36	21	12	7	6	9
2	....	....	....	....	....	22	24	20	12	7	6	9
3	....	....	....	....	....	22	19	20	12	7	7	9
4	....	....	....	....	....	22	19	25	12	7	7	9
5	....	....	....	....	**16	22	19	21	11	6	7	9
6	....	....	....	....	....	24	17	21	12	7	8	9
7	....	....	....	....	....	34	17	21	10	6	8	9
8	....	....	....	....	....	35	17	20	10	6	8	9
9	**13	....	....	....	....	32	16	18	10	6	8	9
10	....	....	....	....	....	22	16	18	10	6	8	9
11	....	....	....	....	....	23	16	18	10	5	8	9
12	....	....	....	....	....	23	16	18	10	5	8	9
13	....	....	....	....	....	22	15	18	10	5	9	9
14	....	....	....	....	....	21	15	15	9	5	9	9
15	....	....	....	....	....	21	14	15	9	8	9	9
16	....	**17	....	....	....	22	15	15	9	5	9	9
17	....	....	....	....	....	21	15	18	9	5	10	9
18	....	....	....	....	....	21	16	17	8	6	11	9
19	....	....	....	....	....	22	16	17	8	5	11	9
20	....	....	....	....	....	20	16	17	8	6	11	9
21	....	....	....	....	....	20	17	17	8	6	10	9
22	....	....	....	....	....	20	15	17	8	6	10	9
23	....	....	....	....	....	20	14	17	8	6	8	10
24	....	....	....	....	....	19	18	16	8	6	8	10
25	....	....	....	....	....	18	18	16	8	6	8	10
26	....	....	....	....	....	15	18	15	8	6	8	9
27	....	....	....	....	....	11	18	14	8	6	8	9
28	....	....	....	....	....	10	18	14	8	6	8	9
29	....	....	....	....	....	12	20	21	8	6	8	9
30	....	....	....	....	....	16	21	21	7	6	8	9
31	....	....	....	....	....	22	....	12	....	6	8	....
Mean	....	....	....	....	....	21	18	18	9	6	8	9
Max.	....	....	....	....	....	34	36	25	12	8	11	10
Min.	....	....	....	....	....	10	14	12	7	5	6	9
A.F.	....	....	....	....	....	1300	1050	1090	553	369	516	541

Total Acre-feet 5,420

*No record.

**Actual measurements.

DISCHARGE OF LODGEPOLE CREEK ABOVE KIMBALL RESERVOIR—Sec. 33-15-57 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32	25	23	17	17	25	20	25	17	10	8	10
2	32	25	23	17	17	25	20	25	17	10	8	10
3	32	25	23	17	17	25	20	25	17	10	8	10
4	32	25	23	17	17	25	20	25	17	10	8	10
5	32	25	23	17	17	25	20	25	17	10	8	10
6	32	25	23	17	17	25	20	25	17	10	8	10
7	32	25	23	17	17	25	20	25	17	10	8	10
8	32	25	23	17	17	25	20	25	17	10	8	10
9	32	25	23	17	17	25	20	25	17	10	8	10
10	32	25	23	17	17	25	20	25	17	10	8	10
11	32	25	23	17	19	25	20	25	14	9	10	10
12	32	25	23	17	19	25	20	25	14	9	10	10
13	32	25	23	17	19	25	20	25	14	9	10	10
14	32	25	23	17	19	25	20	25	14	9	10	10
15	32	25	23	17	19	25	20	25	14	9	10	10
16	25	23	17	17	19	23	20	21	14	9	10	14
17	25	23	17	17	19	23	20	21	14	9	10	14
18	25	23	17	17	19	23	20	21	14	9	10	14
19	25	23	17	17	19	23	20	21	14	9	10	14
20	25	23	17	17	19	23	20	21	14	9	10	14
21	25	23	17	17	22	23	20	21	14	5	10	14
22	25	23	17	17	22	23	20	21	14	7	10	14
23	25	23	17	17	22	23	20	21	14	8	10	14
24	25	23	17	17	22	23	20	21	14	8	10	14
25	25	23	17	17	22	23	20	21	14	8	10	14
26	25	23	17	17	22	23	20	21	14	8	10	14
27	25	23	17	17	22	23	20	21	14	8	10	14
28	25	23	17	17	22	23	20	21	14	8	10	14
29	25	23	17	17	....	23	20	21	14	8	10	14
30	25	23	17	17	....	23	20	21	14	8	10	14
31	25	....	17	17	....	23	....	21	....	8	10	....
Mean	28	24	20	17	19	24	20	20	15	9	9	12
Max.	32	25	23	17	22	25	20	25	17	10	10	14
Min.	25	23	17	17	17	23	20	21	14	5	8	10
A.F.	1745	1428	1224	1045	1063	1474	1190	1234	920	543	575	714

Total Acre-feet 13,155

DISCHARGE OF LODGEPOLE CREEK BELOW KIMBALL RESERVOIR—Sec. 36-15-57 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	4	3	3	3	10	10	19	6	5	4	2
2	3	4	3	3	3	10	10	19	6	5	4	2
3	3	4	3	3	3	10	10	19	6	5	4	2
4	3	4	3	3	3	10	10	19	6	5	4	2
5	3	4	3	3	3	10	10	19	6	5	4	2
6	3	4	3	3	3	10	10	19	6	5	4	2
7	3	4	3	3	3	10	10	19	6	5	4	2
8	3	4	3	3	3	10	10	19	6	5	4	2
9	3	4	3	3	3	10	10	19	6	5	4	2
10	3	4	3	3	3	10	10	19	6	5	4	2
11	3	4	3	3	5	10	13	10	6	5	3	2
12	3	4	3	3	2	10	13	10	6	5	3	2
13	3	4	3	3	5	10	13	10	6	5	3	2
14	3	4	3	3	5	10	13	10	6	5	3	2
15	3	4	3	3	5	10	13	10	6	5	3	2
16	3	5	3	3	5	10	13	8	5	5	3	1
17	3	5	3	3	5	10	13	8	5	5	3	1
18	3	5	3	3	5	10	13	8	5	5	3	1
19	3	5	3	3	5	10	13	8	5	5	3	1
20	3	5	3	3	5	10	13	8	5	5	3	1
21	3	5	3	3	7	10	13	8	5	5	3	1
22	3	5	3	3	7	10	13	8	5	5	3	1
23	3	5	3	3	7	10	13	8	5	5	3	1
24	3	5	3	3	7	10	13	8	5	5	3	1
25	3	5	3	3	7	10	13	8	5	5	3	1
26	3	5	3	3	7	10	13	8	5	5	2	1
27	3	5	3	3	7	10	13	8	5	5	2	1
28	3	5	3	3	7	10	13	8	5	5	2	1
29	3	5	3	3	—	10	13	8	5	5	2	1
30	3	5	3	3	....	10	13	8	5	5	2	1
31	3	—	3	3	....	10	....	8	—	5	2	—
Mean	3	4	3	3	6	10	12	13	5	5	3	1
Max.	3	5	3	3	7	10	13	19	6	5	4	2
Min.	3	4	3	3	3	10	10	8	5	5	2	1
A.F.	184	268	184	184	2422	615	740	730	337	307	192	89

Total Acre-feet 6,252

DISCHARGE OF LODGEPOLE CREEK NORTH OF KIMBALL—Sec. 29-15-56 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	10	20	20	20	20	22	25	15	6	5	6
2	13	10	20	20	20	20	22	25	15	6	5	6
3	13	10	20	20	20	20	22	25	15	6	5	6
4	13	10	20	20	20	20	22	25	15	6	5	6
5	13	10	20	20	20	20	22	25	15	6	5	6
6	13	10	20	20	20	20	22	25	15	6	5	6
7	13	10	20	20	20	20	22	25	15	6	5	6
8	13	10	20	20	20	20	22	25	15	6	5	6
9	13	10	20	20	20	20	22	25	15	6	5	6
10	13	10	20	20	20	20	22	25	15	6	5	6
11	13	10	15	20	15	20	22	25	15	6	5	6
12	13	10	15	20	15	20	22	25	8	6	5	6
13	13	10	15	20	15	20	22	25	8	6	5	6
14	13	10	15	20	15	20	22	25	8	6	5	6
15	13	10	15	20	20	20	22	25	8	6	5	6
16	11	15	15	20	20	27	22	20	8	5	5	6
17	11	15	15	20	20	27	22	20	8	5	5	6
18	11	15	15	20	20	27	22	20	8	5	5	6
19	11	15	15	20	20	27	22	20	8	5	5	6
20	11	15	15	20	15	27	22	20	8	5	5	6
21	11	15	10	20	20	27	22	20	6	5	5	6
22	11	15	10	20	20	27	22	20	6	5	5	6
23	11	15	10	20	20	27	22	20	6	5	5	6
24	11	15	10	20	20	27	22	20	6	5	5	6
25	11	15	10	20	20	27	22	20	6	5	5	6
26	11	20	10	20	20	27	22	20	6	5	5	6
27	11	20	10	20	20	27	22	20	6	5	5	6
28	11	20	10	20	20	27	22	20	6	5	5	6
29	11	20	10	20	....	27	22	20	6	5	5	6
30	11	20	10	20	—	27	22	20	6	5	5	6
31	11	....	10	20	—	27	—	20	—	5	5	....
Mean	12	13	15	20	17	24	22	22	9	5	5	6
Max.	13	20	20	20	20	27	22	25	15	6	5	6
Min.	11	10	10	20	15	20	22	20	6	5	5	6
A.F.	736	793	912	1230	1011	1452	1353	1378	575	337	268	357

Total Acre-feet 10,402

DISCHARGE OF LODGEPOLE CREEK AT SIDNEY—Sec. 31-14-49 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	5.0	4.0	3.0	4.0	2.0	1.0	0.6
2	.....	.....	.....	.....	.....	5.0	5.0	3.0	5.0	2.0	.6	.6
3	.....	.....	.....	.....	.....	5.0	10.0	3.0	1.0	2.0	2.0	.5
4	.....	.....	.....	.....	.....	5.0	4.0	4.0	1.0	2.0	.9	.5
5	.....	.....	.....	.....	.....	6.0	5.0	3.0	.3	2.0	2.0	.5
6	.....	.....	.....	.....	**0.1	3.0	5.0	3.0	2.0	2.0	2.0	.5
7	.....	.....	.....	.....	.....	3.0	5.0	3.0	1.0	1.0	2.0	.5
8	.....	.....	.....	.....	.....	3.0	4.0	4.0	2.0	2.0	.3	.5
9	.....	.....	.....	.....	.....	3.0	4.0	3.0	3.0	2.0	.3	.5
10	.....	.....	.....	.....	.....	4.0	4.0	3.0	3.0	2.0	.3	.6
11	.....	.....	.....	.....	.....	4.0	2.0	4.0	6.0	2.0	.4	.7
12	.....	.....	.....	.....	.....	5.0	4.0	4.0	.3	2.0	.4	1.0
13	.....	.....	.....	.....	.....	5.0	4.0	3.0	.3	2.0	2.0	1.0
14	.....	.....	.....	.....	.....	5.0	4.0	3.0	.3	2.0	1.0	.7
15	.....	.....	.....	.....	.....	5.0	4.0	3.0	2.0	2.0	.9	.9
16	.....	.....	.....	.....	.....	5.0	4.0	1.0	.5	1.0	.3	.9
17	.....	**0.0	.....	.....	.....	5.0	4.0	2.0	1.0	2.0	.6	.5
18	.....	.....	.....	.....	.....	5.0	4.0	1.0	2.0	1.0	.6	.5
19	.....	.....	.....	.....	.....	5.0	4.0	1.0	2.0	4.0	.7	.7
20	.....	.....	.....	.....	.....	5.0	4.0	1.0	.3	.7	.7	.7
21	.....	.....	.....	.....	.....	5.0	3.0	1.0	.2	.5	.6	.6
22	.....	.....	.....	.....	.....	4.0	4.0	1.0	.2	.4	.6	.5
23	.....	.....	.....	.....	.....	5.0	3.0	1.0	.2	.5	.6	.6
24	.....	.....	.....	.....	.....	4.0	4.0	1.0	.3	.5	.6	2.0
25	.....	.....	.....	.....	.....	3.0	4.0	1.0	.3	.5	.5	1.0
26	.....	.....	.....	.....	.....	2.0	4.0	1.0	3.0	.6	.5	2.0
27	.....	.....	.....	.....	.....	1.0	4.0	1.0	2.0	.7	.5	.6
28	.....	.....	.....	.....	.....	1.0	3.0	1.0	2.0	.6	.5	.6
29	.....	.....	.....	.....	.....	1.0	.6	1.0	1.0	2.0	.4	.6
30	.....	.....	.....	.....	.....	2.0	3.0	1.0	1.0	.4	.5	.7
31	.....	.....	.....	.....	.....	3.0	.....	3.0	.....	.5	.6	.....
Mean	.....	.....	.....	.....	.....	3.9	4.0	2.1	1.6	1.5	0.8	0.7
Max.	.....	.....	.....	.....	.....	6.0	10.0	4.0	6.0	4.0	2.0	2.0
Min.	.....	.....	.....	.....	.....	1.0	.6	1.0	.2	.4	.3	.5
A. F.	.....	.....	.....	.....	.....	242.0	239.0	135.0	93.0	89.0	49.0	44.0

*No record

**Actual measurements

DISCHARGE OF LODGEPOLE CREEK AT LODGEPOLE—Sec. 30-14-46 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	18	12	5	8	19	10	4.0	0.2	2.0	0.3	0.6
2	8	18	12	5	8	19	10	4.0	.2	2.0	.3	.6
3	8	18	12	5	8	19	10	4.0	.2	2.0	.3	.6
4	8	18	12	5	8	19	10	4.0	.2	2.0	.3	.6
5	8	18	12	5	8	19	10	4.0	.2	2.0	.3	.6
6	8	18	12	5	8	19	10	4.0	.2	2.0	.3	.6
7	8	18	12	5	8	19	10	4.0	.2	2.0	.3	.6
8	8	18	12	5	8	19	10	4.0	.2	2.0	.3	.6
9	8	18	12	5	8	19	10	4.0	.2	2.0	.3	.6
10	8	18	12	5	8	19	10	4.0	.2	2.0	.3	.6
11	8	18	8	5	10	14	15	2.0	2.0	1.0	.0	.6
12	8	18	8	5	10	14	15	2.0	2.0	1.0	.0	.6
13	8	18	8	5	10	14	15	2.0	2.0	1.0	.0	.6
14	8	18	8	5	10	14	15	2.0	2.0	1.0	.0	.6
15	8	18	8	5	10	14	15	2.0	2.0	1.0	.0	.6
16	13	18	8	6	10	14	15	2.0	3.0	1.0	.0	.2
17	13	18	8	6	10	14	15	2.0	3.0	1.0	.0	.2
18	13	18	8	6	10	14	15	2.0	3.0	1.0	.0	.2
19	13	18	8	6	10	14	15	2.0	3.0	1.0	.0	.2
20	13	18	8	6	10	14	15	2.0	3.0	1.0	.0	.2
21	13	12	5	6	12	11	8	.2	3.0	.3	.0	.2
22	13	12	5	6	12	11	8	.2	3.0	.3	.0	.2
23	13	12	5	6	12	11	8	.2	3.0	.3	.0	.2
24	13	12	5	6	12	11	8	.2	3.0	.3	.0	.2
25	13	12	5	6	12	11	8	.2	3.0	.3	.0	.2
26	18	12	5	6	12	11	8	.2	3.0	.3	.0	.2
27	18	12	5	6	12	11	8	.2	3.0	.3	.0	.2
28	18	12	5	6	12	11	8	.2	3.0	.3	.0	.2
29	18	12	5	6	....	11	8	.2	3.0	.3	.0	.2
30	18	12	5	6	....	11	8	.2	3.0	.3	.0	.2
31	18	—	5	6	....	11	—	.2	.....	.3	.0	—
Mean	12	16	8	6	10	14	11	2.0	2.0	1.0	0.1	0.3
Max.	18	18	12	6	12	19	15	4.0	3.0	2.0	.3	.6
Min.	8	12	5	5	8	11	8	.2	.2	.3	.0	.2
A. F.	710	952	506	339	547	895	654	123.0	113.0	65.0	6.0	24.0

Total Acre-feet 4,934

DISCHARGE OF LODGEPOLE CREEK AT CHAPPELL—Sec. 21-13-45 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	14	12	8	20	17	18	17	2.0	1	0.5	0.3
2	7	14	12	8	20	17	18	17	2.0	1	.5	.3
3	7	14	12	8	20	17	18	17	2.0	1	.5	.3
4	7	14	12	8	20	17	18	17	2.0	1	.5	.3
5	7	14	12	8	20	17	18	17	2.0	1	.5	.3
6	7	14	12	8	20	17	18	17	2.0	1	.5	.3
7	7	14	12	8	20	17	18	17	2.0	1	.5	.3
8	7	14	12	8	20	17	18	17	2.0	1	.5	.3
9	7	14	12	8	20	17	18	17	2.0	1	.5	.3
10	7	14	12	8	20	17	18	17	2.0	1	.5	.3
11	7	14	8	10	15	17	23	10	2.0	1	.5	.3
12	7	14	8	10	15	17	23	10	2.0	1	.5	.3
13	7	14	8	10	15	17	23	10	2.0	1	.5	.3
14	7	14	8	10	15	17	23	10	2.0	1	.5	.3
15	7	14	8	10	15	17	23	10	2.0	1	.5	.3
16	8	12	8	10	15	18	23	5	2.0	1	.5	.2
17	8	12	8	10	15	18	23	5	2.0	1	.5	.2
18	8	12	8	10	15	18	23	5	.3	1	.5	.2
19	8	12	8	10	15	18	23	5	.3	1	.5	.2
20	8	12	8	10	15	18	23	5	.3	1	.5	.2
21	8	12	6	22	17	18	20	2	.3	1	.5	.2
22	8	12	6	22	17	18	20	2	.3	1	.5	.2
23	8	12	6	22	17	18	20	2	.3	1	.5	.2
24	8	12	6	22	17	18	20	2	.3	1	.5	.2
25	8	12	6	22	17	18	20	2	.3	1	.5	.2
26	8	12	6	22	17	18	20	2	1.0	1	.5	.2
27	8	12	6	22	17	18	20	2	1.0	1	.5	.2
28	8	12	6	22	17	18	20	2	1.0	1	.5	.2
29	8	12	6	22	....	18	20	2	1.0	1	.5	.2
30	8	12	6	22	—	18	20	2	1.0	1	.5	.2
31	8	—	6	22	—	18	....	2	.....	1	.5	.....
Mean	7	13	9	14	17	17	20	8	1.0	1	0.5	0.2
Max.	8	14	12	22	20	18	23	17	2.0	1	.5	.3
Min.	7	12	6	8	15	17	18	2	.3	1	.5	.2
A. F.	462	773	528	837	964	1077	1210	530	81.0	61	30.0	14.0

Total Acre-feet 6,570

DISCHARGE OF LODGEPOLE CREEK AT RALTON—Sec. 12-12-45 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	10	22	26	3	15	1	17
2	.....	.....	.....	.....	.....	10	22	22	3	15	1	17
3	.....	.....	.....	.....	.....	15	22	22	3	13	1	17
4	.....	.....	.....	.....	.....	17	22	22	3	13	1	17
5	.....	.....	.....	.....	.....	5	27	22	3	20	1	17
6	.....	.....	.....	.....	.....	0	22	27	3	17	1	8
7	.....	.....	.....	.....	.....	13	22	27	32	13	1	5
8	.....	.....	.....	.....	.....	10	20	25	29	1	1	5
9	.....	.....	.....	.....	.....	13	25	25	1	1	1	5
10	**0	.....	.....	.....	.....	34	25	20	1	1	1	5
11	.....	.....	.....	.....	.....	37	22	22	1	1	1	5
12	.....	.....	.....	.....	**3	29	22	20	1	1	1	5
13	.....	.....	.....	.....	.....	27	22	20	1	1	1	1
14	.....	.....	.....	.....	.....	27	22	20	1	1	1	1
15	.....	.....	.....	.....	.....	22	19	20	1	1	1	1
16	.....	.....	.....	.....	.....	25	16	20	1	1	1	1
17	.....	**0.3	.....	.....	.....	25	16	15	1	1	1	1
18	.....	.....	.....	.....	.....	25	16	1	1	1	1	1
19	.....	.....	.....	.....	.....	25	15	1	1	1	1	5
20	.....	.....	.....	.....	.....	22	15	1	20	1	1	1
21	.....	.....	.....	.....	.....	22	20	1	17	1	1	1
22	.....	.....	.....	.....	.....	22	27	1	13	1	1	1
23	.....	.....	.....	.....	.....	44	28	1	13	1	1	1
24	.....	.....	.....	.....	.....	29	26	1	13	1	1	1
25	.....	.....	.....	.....	.....	29	26	1	13	1	1	1
26	.....	.....	.....	.....	.....	24	25	1	13	1	1	5
27	.....	.....	.....	.....	.....	15	22	1	13	1	1	1
28	.....	.....	.....	.....	.....	13	25	1	13	1	1	1
29	.....	.....	.....	.....	.....	16	24	1	13	1	1	1
30	.....	.....	.....	.....	.....	18	24	1	13	1	1	1
31	.....	.....	.....	.....	.....	20	....	3	....	1	22	....
Mean	.....	.....	.....	.....	.....	21	22	13	8	4	2	5
Max.	.....	.....	.....	.....	.....	44	28	27	32	20	22	17
Min.	.....	.....	.....	.....	.....	0	15	1	1	1	1	1
A. F.	.....	.....	.....	.....	.....	1270	1310	775	482	258	105	298

Total Acre-feet 4,500

*No record

**Actual measurements

DISCHARGE OF LONERGAN CREEK—Sec. 19-15-39 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	5	11	9	9	9	15	6	1	2	2	3
2	7	5	11	9	9	9	15	6	1	2	2	3
3	7	5	11	9	9	9	15	6	1	2	2	4
4	7	5	11	9	9	9	15	6	1	2	2	4
5	7	5	11	9	9	9	15	6	5	2	3	4
6	7	5	11	9	9	8	12	6	4	2	4	4
7	7	5	11	9	9	8	12	6	2	2	5	5
8	7	5	11	9	9	8	12	6	1	1	5	5
9	7	5	11	9	9	8	12	6	1	1	4	5
10	7	5	11	9	9	8	12	6	1	1	4	5
11	7	5	11	9	9	9	12	0	5	1	4	4
12	7	5	11	9	9	9	12	0	4	1	6	4
13	7	5	11	9	9	9	12	0	2	1	5	4
14	7	5	11	9	9	9	12	0	1	1	4	5
15	7	5	11	9	9	9	12	0	1	1	4	5
16	8	8	11	9	9	9	9	0	1	2	4	5
17	8	8	11	9	9	9	9	0	1	2	3	5
18	8	8	11	9	9	9	9	0	1	2	3	5
19	8	8	11	9	9	9	9	0	1	2	3	5
20	8	8	11	9	9	9	9	0	1	2	3	4
21	8	8	11	9	9	9	9	0	1	2	3	4
22	8	8	11	9	9	9	9	0	1	2	3	3
23	8	8	11	9	9	9	9	0	1	2	2	3
24	8	8	11	9	9	9	9	0	1	2	2	4
25	8	8	11	9	9	9	9	0	1	2	2	4
26	8	10	11	9	9	7	6	1	1	2	2	4
27	8	10	11	9	9	7	6	1	1	2	2	5
28	8	10	11	9	9	7	6	1	1	2	2	5
29	8	10	11	9	....	7	6	1	1	2	2	5
30	8	10	11	9	....	7	6	1	1	1	2	5
31	8	—	11	9	—	7	....	1	....	1	3	—
Mean	†7	†7	†11	†9	†9	†8	†10	†2	†1	2	3	4
Max.	8	10	11	9	9	9	15	6	5	2	6	5
Min.	7	5	11	9	9	7	6	0	1	1	2	3
A. F.	462	407	676	553	500	523	625	129	89	105	191	256

Total Acre-feet 4,516

†Estimated

DISCHARGE OF LOST CREEK—Sec. 1-16-44 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	3	3	2	3	3	10	4	4	2	2	1
2	5	3	3	2	3	3	10	4	6	2	2	1
3	5	3	3	2	3	3	10	4	8	6	2	1
4	5	3	3	2	3	3	10	4	7	4	2	1
5	5	3	3	2	3	3	10	4	20	3	2	1
6	5	3	3	2	3	2	8	4	4	2	2	1
7	5	3	3	2	3	2	8	4	5	2	2	1
8	5	3	3	2	3	2	8	4	4	2	2	1
9	5	3	3	2	3	2	8	4	5	2	4	1
10	5	3	3	2	3	2	8	4	4	2	4	1
11	5	3	3	1	3	4	8	4	8	3	4	1
12	5	3	3	1	3	4	8	4	6	3	4	1
13	5	3	3	1	3	4	8	4	5	3	4	1
14	5	3	3	1	3	4	8	4	5	3	3	1
15	5	3	3	1	3	4	8	4	5	3	3	1
16	5	3	2	1	3	4	6	4	5	2	4	1
17	5	3	2	1	3	4	6	4	5	2	4	1
18	5	3	2	1	3	4	6	4	5	2	6	1
19	5	3	2	1	3	4	6	4	4	1	10	1
20	5	3	2	1	3	4	6	4	4	1	20	2
21	4	3	2	2	3	4	6	4	4	1	11	4
22	4	3	2	2	3	4	6	4	4	1	2	5
23	4	3	2	2	3	4	6	4	4	1	4	5
24	4	3	2	2	3	4	6	4	4	1	5	22
25	4	3	2	2	3	4	5	4	4	1	5	4
26	4	3	2	2	3	2	4	4	4	1	5	9
27	4	3	2	2	3	2	4	4	4	1	3	11
28	4	3	2	2	3	2	4	4	4	1	7	15
29	4	3	2	2	....	2	4	4	4	1	7	17
30	4	3	2	2	....	2	4	4	4	1	2	7
31	4	....	2	2	....	2	—	4	....	1	1	....
Mean	5	3	2	2	3	3	7	4	5	2	4	4
Max.	5	3	3	2	3	4	10	4	20	6	20	17
Min.	4	3	2	1	3	2	4	4	4	1	2	1
A.F.	283	179	154	105	167	191	417	246	315	123	277	238

Total Acre-feet 2,695

DISCHARGE OF LOUP RIVER, NORTH, AT ST. PAUL—Sec. 22-15-10 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	765	894	700	816	1610	1320	1270	829	772	601	520	676
2	778	842	900	894	1380	1320	1190	816	772	676	610	676
3	894	816	1150	855	1450	1290	1380	778	785	676	592	746
4	950	1090	1110	965	1410	1150	1060	855	785	955	632	746
5	950	1070	935	1010	1450	1320	920	995	955	955	746	772
6	1610	1150	950	907	1210	1380	1020	950	1000	850	746	746
7	1250	995	1150	935	1130	995	1040	965	925	824	772	698
8	1090	894	1040	950	1450	1290	1070	1070	910	850	772	632
9	1010	1010	1110	894	1560	1070	1320	1180	837	785	733	592
10	1010	1020	1110	1020	1450	980	1230	1380	824	746	772	592
11	778	1040	1040	950	1410	980	1060	1180	1000	733	772	574
12	2520	1130	950	894	1360	1230	1010	1040	880	798	709	556
13	1640	1040	920	290	1320	1320	881	970	970	798	654	583
14	1380	1040	920	159	1500	1500	894	970	970	746	632	601
15	1320	1170	900	126	1290	1130	980	925	837	676	610	643
16	1340	1270	910	144	1070	1070	1040	880	720	632	583	665
17	1170	1110	950	443	1320	1060	1010	865	610	720	601	698
18	950	1040	894	765	1230	1060	965	865	621	654	610	811
19	842	1320	868	1190	1380	1060	1020	865	592	643	592	811
20	868	2300	920	1110	1360	1150	1230	895	654	632	592	811
21	842	1150	907	1380	1500	1040	1150	865	1050	632	665	785
22	950	855	678	1360	1560	1040	1010	880	676	654	746	811
23	842	1130	752	1480	1610	1270	1090	785	654	665	880	811
24	894	881	855	1580	1700	1060	1070	798	698	654	1140	811
25	950	995	1020	1610	1810	1060	965	746	654	643	940	895
26	950	728	980	1580	1450	1060	965	746	574	632	798	865
27	980	881	894	1580	1780	1090	1020	759	565	610	676	837
28	950	790	950	1560	1670	800	842	759	583	592	643	811
29	1070	700	894	2330	.....	1000	829	798	538	610	687	785
30	965	700	894	2180	.....	1200	803	772	529	592	654	785
31	855	.....	778	1712	.....	1480	.....	772	.....	574	687	.....
Mean	1080	1040	933	1090	1440	1150	1040	911	765	703	702	728
Max.	2520	2300	1150	2330	1810	1500	1380	1480	1050	955	1140	895
Min.	765	700	700	126	1070	800	803	746	529	574	520	556
A. F.	66400	61900	57400	67000	80000	70700	61900	56000	45500	43200	43200	43300

Total Acre-feet 696,000

DISCHARGE OF LOUP RIVER, MIDDLE, AT ST. PAUL—Sec. 10-14-10 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1030	1100	1100	1300	1760	1860	2120	1320	850	550	730	595
2	1050	1250	1150	1300	1760	2020	1280	985	850	670	770	580
3	1440	1100	1200	1300	1760	1550	1500	916	916	770	870	670
4	1640	1350	1120	1300	1760	1730	1500	1470	893	985	962	730
5	2920	1280	1050	1300	1760	1470	1280	1800	1320	1150	1050	730
6	2250	1100	1300	1300	1410	1550	1280	1440	1730	1200	939	610
7	1610	1120	1350	1300	1520	1350	1440	1080	1050	893	985	690
8	1120	1120	1440	1300	1610	1520	1280	1280	1120	985	939	625
9	985	1180	1380	1300	1580	1580	1700	1050	1030	939	916	595
10	1350	1350	1220	1300	1550	1700	1280	1520	893	790	870	595
11	1120	1350	1220	1050	1580	1760	1300	1030	1030	790	730	610
12	4400	1410	1240	1050	1520	1410	1150	962	1120	850	640	610
13	6940	1410	1240	1050	1470	1670	870	1050	1380	850	690	625
14	2560	1610	1240	1050	1550	1640	640	1010	1150	790	610	625
15	2050	1550	1240	1050	1180	1520	1050	1150	1030	750	535	655
16	1640	1440	1180	1000	1220	1350	1300	985	1120	670	565	655
17	1760	1180	1180	1000	1350	1200	1010	985	850	750	595	790
18	1520	1030	1180	1000	1410	1350	962	962	690	690	625	870
19	1080	1180	1180	1000	1580	1580	1280	1010	690	625	670	1120
20	1150	3180	1180	1000	1500	1350	1520	1200	625	710	690	939
21	1080	2630	1180	1700	1520	1470	1200	1320	750	610	750	830
22	1220	916	1180	1700	1730	1280	1200	1200	790	565	850	893
23	870	850	1180	1700	1830	1220	1280	1100	655	670	1120	962
24	850	1030	1180	1700	1890	1100	1100	1280	710	670	830	962
25	1010	1150	1180	1700	1580	1320	962	985	710	670	770	1180
26	1150	1150	1240	2300	1890	1150	893	1050	640	595	750	985
27	1320	1100	1240	2300	1830	950	870	1010	625	750	730	1010
28	1300	1050	1240	2300	1890	830	1250	1100	550	670	710	850
29	1440	1050	1240	2300	.....	1300	1120	939	625	690	670	870
30	1150	1100	1240	2300	.....	1220	1050	939	535	670	640	893
31	1100	.....	1240	2300	.....	1830	.....	1120	.....	790	580	.....
Mean	1680	1310	1220	1470	1610	1450	1220	1140	898	766	767	778
Max.	6940	3180	1440	2300	1890	2020	2120	1800	1730	1200	1120	1180
Min.	850	850	1050	1000	1180	830	640	916	535	550	535	580
A.F.	103000	78000	75000	90400	89400	89200	72600	70100	53400	47100	47200	46300

Total Acre-feet 862,000

DISCHARGE OF LOUP RIVER AT GENOA

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2240	2540	2450	2300	4010	3700	3080	2590	2000	1470	1450	1530
2	2320	2470	2450	2300	3750	3530	2920	2710	1850	1570	1380	1560
3	2540	2500	2450	2300	3530	3310	2830	2520	1870	1840	1470	1480
4	2410	2560	2450	2300	3410	3020	2840	2660	1700	2430	1500	1480
5	3590	2540	2450	2300	3130	3000	2520	3390	2040	3520	1470	1440
6	4400	2610	2550	2420	3150	2840	2640	2710	2240	2130	1630	1380
7	2730	2590	2550	2420	3160	2900	2790	3190	2210	2100	1630	1360
8	3190	2560	2550	2420	3190	2900	2700	3250	2230	2240	1590	1280
9	2280	2680	2550	2420	3330	3000	3330	2630	2030	2180	1660	1220
10	2450	2660	2550	2420	3190	3130	2790	3730	1920	1960	1620	1240
11	2230	2680	2400	2520	3210	3000	2620	3190	2090	1860	1690	1200
12	2120	2780	2400	2300	3290	2980	2450	2540	2240	1920	1760	1200
13	8920	2910	2400	1800	3180	3040	2360	2320	2240	1810	1610	1220
14	4590	3030	2400	1300	3160	3020	2440	2200	2360	1750	1630	1260
15	4930	3060	2400	1270	3210	3050	2560	2340	2130	1740	1530	1280
16	4400	3110	2300	1750	3020	3040	2640	2430	2150	1660	1450	1340
17	3800	3190	2300	1750	2990	2890	2670	2380	1990	1720	1480	1410
18	3520	2810	2300	1750	2900	2770	2790	2340	1820	1870	1460	1760
19	2890	3190	2300	1750	3150	2680	2960	2200	1800	1620	1390	1860
20	2500	5800	2300	1750	3270	2770	3130	2210	1820	1680	1450	1800
21	2320	7560	2300	3100	3330	2740	3070	2540	8100	1550	1320	1660
22	2120	4160	2300	3100	3400	2590	2690	2210	7130	1570	1390	1670
23	2200	2810	2300	3100	3600	2530	2600	1780	2630	1580	1570	1690
24	2370	2860	2300	3100	3680	2550	2530	2200	2100	1570	1690	1750
25	2210	2430	2300	3100	3830	2500	2640	2150	1870	1570	1770	1880
26	2340	2250	2330	4100	3750	2460	2420	1970	1820	1460	1740	1750
27	2270	2150	2330	4200	3780	2300	2490	2200	1760	1440	1600	1680
28	2680	2100	2330	5500	3910	2130	2490	2100	1700	1410	1610	1690
29	2090	2000	2330	8000	.....	2000	2500	2200	1540	1370	1560	1640
30	2410	2350	2330	6140	.....	2800	2530	2120	1500	1380	1580	1740
31	2320	.....	2330	5820	.....	2660	.....	2040	.....	1370	1590	.....
Mean	3010	2960	2390	2930	3380	2830	2700	2490	2360	1790	1560	1520
Max.	8920	7560	.....	8000	4010	3700	3330	3730	8100	3520	1770	1880
Min.	2110	2000	.....	1270	2900	2000	2360	1780	1500	1370	1320	1200
A.F.	185000	176000	147000	180000	188000	174000	161000	153000	140000	110000	95900	90400

Total Acre-feet 1,800,000

DISCHARGE OF LOUP RIVER AT COLUMBUS

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	3800	3950	2540	1970	1540	1340	1750
2	.....	.....	.....	.....	.....	3600	2900	2660	1860	1540	1340	1340
3	.....	**1850	.....	.....	.....	3400	2900	2540	1750	1640	1440	1440
4	**1690	.....	.....	.....	.....	3100	2660	2780	1750	2420	1540	1540
5	.....	.....	.....	.....	.....	3000	2660	2900	1970	3540	1440	1540
6	.....	.....	.....	.....	.....	2900	2660	3150	2190	2080	1640	1440
7	.....	.....	.....	.....	.....	3100	2780	3150	2660	2080	1860	1340
8	.....	.....	.....	.....	.....	3200	2900	3020	2660	2780	1640	1340
9	.....	.....	.....	.....	.....	3280	3280	3020	1970	2190	1640	1160
10	.....	.....	.....	.....	.....	3150	2780	3280	1970	2080	1640	1440
11	.....	.....	.....	.....	.....	3020	2540	3280	2080	2080	1640	1340
12	.....	.....	.....	.....	.....	3150	2420	2540	2190	1970	1640	1340
13	.....	.....	.....	**1890	.....	2900	2300	2300	2190	1750	1640	1250
14	.....	**2110	.....	.....	.....	2900	2420	2190	2190	1750	1640	1250
15	.....	.....	.....	.....	.....	3020	2660	2300	2190	1750	1540	1340
16	.....	.....	.....	.....	.....	2900	2660	2420	2190	1860	1540	1440
17	.....	.....	.....	.....	.....	3020	2900	2420	1970	1750	1540	1440
18	.....	.....	.....	.....	.....	2780	3020	2660	1750	1750	1440	1750
19	.....	.....	.....	.....	.....	2780	2540	2420	1750	1640	1440	2190
20	.....	.....	.....	.....	.....	2660	3020	2540	1750	1640	1340	2190
21	**2240	.....	.....	.....	.....	2780	3020	2300	3950	1750	1340	2080
22	.....	.....	.....	.....	.....	2540	2540	2300	4360	1540	1340	1640
23	.....	.....	.....	.....	.....	2780	2420	2190	3680	1540	1540	1640
24	.....	.....	.....	.....	.....	2420	2540	2080	2660	1540	1640	1640
25	.....	.....	.....	.....	.....	2660	2660	2080	2080	1540	1750	2080
26	.....	.....	.....	.....	.....	2300	2420	1970	1750	1440	1640	1750
27	.....	.....	.....	.....	.....	2190	2660	1970	1750	1340	1640	1640
28	.....	.....	.....	.....	.....	2300	2660	1970	1750	1540	1640	1750
29	.....	.....	.....	.....	.....	1000	2540	2190	1640	1440	1540	1640
30	.....	.....	.....	.....	.....	610	2540	2300	1540	1340	1540	1640
31	.....	.....	.....	.....	.....	2660	.....	1970	.....	1160	1540	.....
Mean	.....	.....	.....	.....	.....	2770	2730	2500	2210	1810	1550	1580
Max.	.....	.....	.....	.....	.....	3800	3950	3280	4360	3540	1860	2190
Min.	.....	.....	.....	.....	.....	610	2300	1970	1540	1160	1340	1160
A. F.	.....	.....	.....	.....	.....	170000	162000	154000	132000	111000	95300	94000

*No record

**Actual measurements

DISCHARGE OF MEDICINE CREEK—Sec. 18-4-25 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	100	41	76	76	85	87	178	85	37	35	29	15
2	100	41	76	76	85	87	160	85	37	35	29	15
3	100	41	76	76	85	87	140	85	37	35	29	15
4	100	41	76	76	85	87	100	85	37	35	29	15
5	100	41	76	76	85	87	90	85	37	35	29	15
6	100	41	76	76	85	87	80	105	37	35	53	15
7	100	41	76	76	85	87	80	105	37	35	53	15
8	100	41	76	76	85	87	80	105	37	35	53	15
9	100	41	76	76	85	87	80	105	37	35	53	15
10	100	41	76	76	85	87	80	105	37	35	53	15
11	108	80	76	80	85	87	80	105	35	29	40	13
12	108	80	76	80	85	87	80	105	35	29	40	13
13	108	80	76	80	85	87	80	105	35	29	40	13
14	108	80	76	80	85	87	80	105	35	29	40	13
15	108	80	76	80	85	87	80	105	35	29	40	13
16	108	80	76	80	87	95	60	90	35	29	20	13
17	108	80	76	80	87	95	60	90	35	29	20	13
18	108	80	76	80	87	95	60	90	35	29	20	13
19	108	80	76	80	87	95	60	90	35	29	20	13
20	108	80	76	80	87	95	60	90	35	29	20	13
21	41	80	76	85	87	95	60	60	36	29	20	22
22	41	80	76	85	87	95	60	60	36	29	20	22
23	41	80	76	85	87	95	60	60	36	29	20	22
24	41	80	76	85	87	95	60	60	36	29	20	22
25	41	80	76	85	87	95	60	60	36	29	20	22
26	41	80	76	85	87	95	60	37	36	29	20	22
27	41	80	76	85	87	95	60	37	36	29	20	22
28	41	80	76	85	87	95	60	37	36	29	20	22
29	41	80	76	85	....	95	60	37	36	29	20	22
30	41	80	76	85	....	95	60	37	36	29	20	22
31	41	....	76	85	—	95	—	37	—	29	20	....
Mean	82	67	76	80	86	91	77	77	36	31	30	17
Max.	108	80	76	85	87	95	178	105	37	35	53	22
Min.	41	41	76	76	85	87	60	37	35	29	20	13
A. F.	5020	3987	4673	4949	4772	5603	4697	4694	2142	1902	1845	992

Total Acre-feet 45,280

DISCHARGE OF MELBETA DRAIN—Sec. 24-21-54 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	6	9	8	7	7	5	3	2	4	5	1
2	8	6	9	8	7	7	5	3	2	4	5	1
3	8	6	9	8	7	7	5	3	2	2	6	1
4	8	6	9	8	7	7	5	3	2	4	3	1
5	8	6	9	8	7	7	5	3	2	6	0	1
6	8	6	9	8	7	7	5	2	3	1	0	1
7	8	6	9	8	7	7	5	2	2	4	0	3
8	8	6	9	8	7	7	5	2	1	2	0	4
9	8	6	9	8	7	7	5	2	0	4	0	3
10	8	6	9	8	7	7	5	2	0	2	0	1
11	4	6	9	8	6	8	4	1	0	1	0	3
12	4	6	9	8	6	8	4	1	5	2	0	3
13	4	6	9	8	6	8	4	1	6	2	0	3
14	4	6	9	8	6	8	4	1	5	2	0	2
15	4	6	9	8	6	8	4	1	1	2	0	3
16	4	10	9	8	6	5	3	1	1	3	0	3
17	4	10	9	8	6	5	3	1	1	2	0	2
18	4	10	9	8	6	5	3	1	0	2	0	3
19	4	10	9	8	6	5	3	1	0	2	0	3
20	4	10	9	8	6	5	3	1	0	3	0	4
21	4	10	9	7	6	4	2	1	0	2	0	3
22	4	10	9	7	6	4	2	1	4	3	0	3
23	4	10	9	7	6	4	2	1	8	2	0	3
24	4	10	9	7	6	4	2	1	8	3	0	3
25	4	10	9	7	6	4	2	1	6	2	0	0
26	4	10	9	7	7	4	2	1	5	3	0	1
27	4	10	9	7	7	4	2	1	0	3	0	0
28	4	10	9	7	7	4	2	1	0	3	0	0
29	4	10	9	7	—	4	2	1	5	3	0	0
30	4	10	9	7	....	4	2	1	2	5	1	0
31	4	—	9	7	....	4	....	1	2	6	1	....
Mean	5	8	9	8	6	6	3	1	2	3	1	2
Max.	8	10	9	8	7	8	5	3	8	4	6	4
Min.	4	6	9	7	6	4	2	1	0	1	0	0
A. F.	325	476	553	467	361	357	208	92	143	178	43	119

Total Acre-feet 3,322

DISCHARGE OF MITCHELL SPILLWAY—Sec. 35-23-56 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	15	10	9	0	0	0	0
2	0	0	0	0	0	15	10	9	0	0	0	0
3	0	0	0	0	0	15	10	9	0	0	0	0
4	0	0	0	0	0	15	10	9	0	0	0	0
5	0	0	0	0	0	15	10	9	0	0	0	0
6	0	0	0	0	0	15	7	9	0	0	0	0
7	0	0	0	0	0	15	7	9	0	0	0	0
8	0	0	0	0	0	15	7	9	35	0	0	0
9	0	0	0	0	0	15	7	9	30	0	0	0
10	0	0	0	0	0	15	7	9	0	0	0	0
11	0	0	0	0	0	15	7	135	0	0	0	0
12	0	0	0	0	0	15	7	255	0	0	0	0
13	0	0	0	0	0	15	7	275	0	0	0	0
14	0	0	0	0	0	15	7	219	0	0	0	0
15	0	0	0	0	0	15	7	200	0	0	0	0
16	0	0	0	0	0	10	7	200	0	0	0	0
17	0	0	0	0	0	10	7	200	0	0	0	0
18	0	0	0	0	0	10	7	0	0	0	0	0
19	0	0	0	0	0	10	8	0	0	0	0	0
20	0	0	0	0	0	15	8	0	0	0	0	0
21	0	0	0	0	0	15	8	0	0	0	0	0
22	0	0	0	0	0	15	8	0	0	0	0	0
23	0	0	0	0	0	15	8	0	0	0	0	0
24	0	0	0	0	0	15	8	0	0	0	0	0
25	0	0	0	0	0	10	8	0	0	0	0	0
26	0	0	0	0	0	10	8	0	0	0	0	0
27	0	0	0	0	0	10	8	0	0	0	0	0
28	0	0	0	0	0	10	8	0	0	0	0	0
29	0	0	0	0	—	10	8	0	0	0	0	0
30	0	0	0	0	—	10	8	0	0	0	0	0
31	0	—	0	0	—	10	....	0	—	0	0	....
Mean	0	0	0	0	0	13	8	51	2	0	0	0
Max.	0	0	0	0	0	15	10	275	35	0	0	0
Min.	0	0	0	0	0	10	7	0	0	0	0	0
A. F.	0	0	0	0	0	830	470	3120	131	0	0	0

Total Acre-feet 4,551

DISCHARGE OF MORRILL DRAIN—Sec. 13-23-57 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	5	2	2	2	2	2	.5	0	0	0	0	3
2	5	2	2	2	2	2	.5	0	0	0	0	3
3	5	2	2	2	2	2	.5	0	0	0	0	3
4	5	2	2	2	2	2	.5	0	0	0	0	3
5	5	2	2	2	2	2	.5	0	0	0	0	3
6	5	2	2	2	2	2	.5	0	0	0	0	3
7	5	2	2	2	2	2	.5	0	0	0	0	3
8	5	2	2	2	2	2	.5	0	0	0	0	3
9	5	2	2	2	2	2	.5	0	0	0	0	3
10	5	2	2	2	2	2	.5	0	0	0	0	3
11	5	2	2	2	2	1	.5	0	2	0	1	3
12	5	2	2	2	2	1	.5	0	2	0	1	3
13	5	2	2	2	2	1	.5	0	2	0	1	3
14	5	2	2	2	2	1	.5	0	2	0	1	3
15	5	2	2	2	2	1	.5	0	2	0	1	3
16	3	3	2	2	2	1	.5	0	3	0	2	3
17	3	3	2	2	2	1	.5	0	3	0	2	3
18	3	3	2	2	2	1	.5	0	3	0	2	3
19	3	3	2	2	2	1	.5	0	3	0	2	3
20	3	3	2	2	2	1	.5	0	3	0	2	3
21	3	3	2	2	2	1	.5	0	0	0	3	3
22	3	3	2	2	2	1	.5	0	0	0	3	3
23	3	3	2	2	2	1	.5	0	0	0	3	3
24	3	3	2	2	2	1	.5	0	0	0	3	3
25	3	3	2	2	2	1	.5	0	0	0	3	3
26	3	3	2	2	2	1	.5	0	0	0	3	3
27	3	3	2	2	2	1	.5	0	0	0	3	3
28	3	3	2	2	2	1	.5	0	0	0	3	3
29	3	3	2	2	—	1	.5	0	0	0	3	3
30	3	3	2	2	—	1	.5	0	0	0	3	3
31	3	....	2	2	....	1	.5	0	....	0	3	....
Mean	4	2	2	2	2	1	0.5	0	1	0	1	3
Max.	5	3	2	2	2	2	.5	0	3	0	3	3
Min.	3	2	2	2	2	1	.5	0	0	0	0	3
A. F.	244	149	123	123	103	80	30	0	50	0	94	178

Total Acre-feet 1,174

DISCHARGE OF MUDDY CREEK AT ARAPAHOE—Sec. 16-4-23 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	3	1	4	4	4	5	4	2	6	8	2.0
2	5	3	1	4	4	4	5	4	2	6	8	2.0
3	5	3	1	4	4	4	5	4	2	6	8	2.0
4	5	3	1	4	4	4	5	4	2	6	8	2.0
5	5	3	1	4	4	4	5	4	2	6	8	2.0
6	5	3	1	4	4	4	5	4	1	6	13	1.0
7	5	3	1	4	4	4	5	4	1	6	13	1.0
8	5	3	1	4	4	4	5	4	1	6	13	1.0
9	5	3	1	4	4	4	5	4	1	6	13	1.0
10	5	3	1	4	4	4	5	4	1	6	13	1.0
11	5	3	1	4	4	4	2	4	1	4	8	.3
12	5	3	1	4	4	4	2	4	1	4	8	.3
13	5	3	1	4	4	4	2	4	1	4	8	.3
14	5	3	1	4	4	4	2	4	1	4	8	.3
15	5	3	1	4	4	4	5	4	1	4	8	.3
16	2	3	1	4	4	4	5	3	4	4	4	.3
17	2	3	1	4	4	4	5	3	4	4	4	.3
18	2	3	1	4	4	4	5	3	4	4	4	.3
19	2	3	1	4	4	4	5	3	4	4	4	.3
20	2	3	1	4	4	4	2	3	4	4	4	.3
21	2	3	1	4	4	4	3	3	4	4	4	1.3
22	2	3	1	4	4	4	3	3	4	4	4	1.3
23	2	3	1	4	4	4	3	3	4	4	4	1.3
24	2	3	1	4	4	4	3	3	4	4	4	1.3
25	2	3	1	4	4	4	3	3	4	4	4	1.3
26	2	3	1	4	4	4	3	3	6	4	2	1.3
27	2	3	1	4	4	4	3	3	6	4	2	1.3
28	2	3	1	4	4	4	3	3	6	4	2	1.3
29	2	3	1	4	—	4	3	3	6	4	2	1.3
30	2	3	1	4	—	4	3	3	6	4	2	1.3
31	2	—	1	4	....	4	—	3	....	4	2	—
Mean	4	3	1	4	4	4	3	3	3	5	6	1.0
Max.	5	3	1	4	4	4	5	4	6	6	13	2.0
Min.	2	3	1	4	4	4	2	3	1	4	2	.3
A. F.	232	178	61	246	222	246	198	214	178	285	391	61.0

Total Acre-feet 2,512

DISCHARGE OF NINE MILE DRAIN AT McGREW—Sec. 25-21-53 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	270	216	165	140	120	105	125	86	120	177	196	210
2	270	216	165	140	120	105	125	86	120	177	195	202
3	270	216	165	140	120	105	125	86	120	177	199	201
4	270	216	165	140	120	105	125	86	120	178	201	202
5	270	216	165	140	120	105	125	86	120	180	201	198
6	270	216	165	140	120	105	125	86	138	179	203	197
7	270	216	165	140	120	105	125	86	144	180	197	195
8	270	216	165	140	120	105	125	86	141	177	192	197
9	270	216	165	140	120	105	125	86	144	176	195	191
10	270	216	165	140	120	105	125	86	144	177	192	184
11	270	186	165	140	115	100	100	86	146	181	196	178
12	270	186	165	140	115	100	100	86	147	178	192	188
13	270	186	165	140	115	100	100	86	147	180	185	181
14	270	186	165	140	115	100	100	86	159	180	187	186
15	270	186	165	140	115	100	100	86	152	182	182	185
16	270	186	138	130	115	100	100	86	154	180	180	190
17	270	186	138	130	115	100	100	86	153	180	184	186
18	270	186	138	130	115	100	100	86	154	184	179	190
19	270	186	138	130	115	100	100	86	155	185	186	189
20	270	186	138	130	115	100	100	86	154	187	187	190
21	216	170	138	130	110	100	88	88	160	193	191	185
22	216	170	138	130	110	100	88	88	165	184	195	177
23	216	170	138	130	110	100	88	88	162	192	204	178
24	216	170	138	130	110	100	88	88	162	190	203	196
25	216	170	138	130	110	100	88	88	165	192	199	187
26	216	170	138	125	110	90	88	100	168	190	202	181
27	216	170	138	125	110	90	88	100	170	192	197	190
28	216	170	138	125	110	90	88	100	171	191	197	181
29	216	170	138	125	.....	90	88	100	174	187	201	177
30	216	170	138	125	.....	90	88	100	171	193	201	174
31	216	.....	138	125	.....	90	.....	100	.....	194	202	.....
Mean	250	190	151	134	115	100	104	89	150	184	194	189
Max.	270	216	165	140	120	105	125	100	174	194	204	210
Min.	216	170	138	125	110	90	88	86	120	176	179	174
A. F.	15424	11345	9289	8240	6390	6130	6190	5470	8930	11300	11900	11200

Total Acre-feet 111,810

DISCHARGE OF NIOBRARA RIVER AT DUNLAP—Sec. 27-29-48 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	84	126	90	14	4	6	16
2	.....	.....	.....	.....	.....	84	126	105	12	3	6	18
3	.....	.....	.....	.....	.....	84	94	76	12	3	6	18
4	.....	.....	.....	.....	.....	84	110	76	14	2	6	18
5	.....	.....	.....	.....	.....	84	126	76	7	2	6	18
6	.....	.....	.....	.....	.....	84	126	63	7	4	627	18
7	.....	.....	.....	.....	.....	70	110	76	34	4	24	17
8	.....	.....	.....	.....	.....	70	108	63	17	4	22	17
9	.....	.....	.....	.....	.....	84	93	63	8	4	19	18
10	.....	.....	.....	.....	.....	84	79	63	12	4	29	21
11	.....	.....	.....	.....	.....	99	79	63	10	3	24	22
12	.....	.....	.....	.....	.....	84	93	63	12	4	26	22
13	.....	.....	.....	.....	.....	84	79	63	12	4	26	22
14	.....	.....	.....	.....	.....	84	79	63	10	4	26	23
15	.....	.....	.....	.....	.....	84	79	76	15	4	33	19
16	.....	.....	.....	.....	.....	70	65	50	11	4	33	18
17	.....	.....	.....	**67	.....	84	79	50	8	3	33	19
18	.....	.....	.....	.....	.....	70	65	50	5	3	50	18
19	.....	.....	.....	.....	.....	84	65	63	4	3	44	19
20	.....	.....	.....	.....	.....	84	65	56	4	3	46	6
21	.....	.....	.....	.....	.....	70	65	56	3	4	36	6
22	.....	.....	.....	.....	.....	84	65	56	3	4	36	8
23	.....	.....	.....	.....	.....	70	65	56	3	5	36	8
24	.....	.....	.....	.....	.....	70	65	56	3	6	38	10
25	.....	.....	.....	.....	83	84	65	52	3	6	39	9
26	.....	.....	.....	.....	113	75	79	48	4	6	39	8
27	.....	.....	.....	.....	83	60	79	28	4	6	38	5
28	.....	.....	.....	.....	83	45	65	24	4	6	38	5
29	.....	.....	.....	.....	.....	55	65	21	3	6	17	6
30	.....	.....	.....	.....	.....	80	65	16	3	6	17	6
31	.....	.....	.....	.....	.....	105	—	13	—	6	17	—
Mean	.....	.....	.....	.....	.....	78	84	57	9	4	47	15
Max.	.....	.....	.....	.....	.....	105	126	105	34	6	627	23
Min.	.....	.....	.....	.....	.....	45	65	13	3	2	6	5
A. F.	.....	.....	.....	.....	.....	4830	5000	3520	518	258	2860	869

Total Acre-feet 17,900

*No record

**Actual measurements

DISCHARGE OF NIOBRARA RIVER AT GORDON—Sec. 15-31-41 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	170	174	160	146	200	174	1000	170	102	66	66	68
2	178	167	160	150	200	163	354	163	91	77	66	82
3	262	167	160	153	200	186	268	197	86	73	69	64
4	210	167	160	153	200	194	233	188	89	100	66	75
5	219	174	160	153	200	186	268	210	126	102	63	75
6	198	170	170	156	180	206	298	149	118	93	526	75
7	186	174	170	170	170	174	194	179	100	77	163	71
8	186	174	170	170	160	219	194	175	82	84	112	78
9	202	170	170	167	156	178	178	179	84	84	115	75
10	198	174	170	136	153	190	182	129	124	80	86	73
11	219	170	155	130	156	219	186	118	175	73	69	69
12	238	170	155	120	170	198	146	132	166	86	71	68
13	198	167	155	100	160	182	143	121	118	69	75	71
14	170	160	143	90	163	202	143	152	95	66	69	71
15	202	163	150	80	198	186	190	166	89	66	71	78
16	198	156	150	85	219	206	186	159	82	63	71	78
17	167	170	136	90	202	206	182	135	86	63	142	86
18	170	178	136	100	202	194	170	121	80	63	132	95
19	198	160	156	110	194	202	174	107	84	93	75	149
20	160	78	131	130	194	206	150	124	73	107	86	146
21	153	160	124	140	163	202	156	121	77	95	80	91
22	160	165	126	150	170	194	163	132	77	78	75	82
23	170	165	139	160	174	198	178	132	77	71	139	82
24	174	165	146	170	160	210	198	132	73	64	100	135
25	170	165	143	180	178	202	170	126	73	61	91	118
26	170	160	124	200	163	180	156	135	71	64	86	115
27	202	160	124	210	228	150	153	139	73	61	77	100
28	178	160	128	220	186	100	146	132	71	61	75	95
29	167	160	139	220	.....	140	150	129	63	58	75	95
30	167	160	146	220	.....	200	153	129	61	58	68	91
31	170	.....	146	220	.....	600	.....	112	—	61	63	—
Mean	187	163	148	151	182	202	215	145	92.2	74.7	101	88.4
Max.	262	178	170	220	202	600	1000	210	175	107	526	148
Min.	153	78	124	80	153	100	143	107	61	58	63	64
A.F.	11500	9700	9100	9280	10100	12400	12800	8920	5490	4590	6210	5260

Total Acre-feet 105,000

DISCHARGE OF NIOBRARA RIVER AT VALENTINE—Sec. 30-33-28 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1070	800	835	760	1100	940	1280	820	870	720	680	730
2	1070	800	835	760	1100	940	1280	820	870	720	680	730
3	1070	800	835	760	1100	940	1280	820	870	720	680	730
4	1070	800	835	760	1100	940	1280	820	870	720	680	730
5	1070	800	835	760	1100	940	1280	820	870	720	680	730
6	930	825	995	820	1010	960	960	1120	810	760	620	610
7	930	825	995	820	1010	960	960	1120	810	760	620	610
8	930	825	995	820	1010	960	960	1120	810	760	620	610
9	930	825	995	820	1010	960	960	1120	810	760	620	610
10	930	825	995	820	1010	960	960	1120	810	760	620	610
11	1450	815	790	740	990	1070	880	910	850	670	680	580
12	1450	815	790	740	990	1070	880	910	850	670	680	580
13	1450	815	790	740	990	1070	880	910	850	670	680	580
14	1450	815	790	740	990	1070	880	910	850	670	680	580
15	1450	815	790	740	990	1070	880	910	850	670	680	580
16	860	872	670	650	992	1080	880	830	750	630	790	720
17	860	872	670	650	992	1080	880	830	750	630	790	720
18	860	872	670	650	992	1080	880	830	750	630	790	720
19	860	872	670	650	992	1080	880	830	750	630	790	720
20	860	872	670	650	992	1080	880	830	750	630	790	720
21	970	804	680	870	1020	1050	880	750	660	630	750	840
22	970	804	680	870	1020	1050	880	750	660	630	750	840
23	970	804	680	870	1020	1050	880	750	660	630	750	840
24	970	804	680	870	1020	1050	880	750	660	630	750	840
25	970	804	680	870	1020	1050	880	750	660	630	750	840
26	880	730	685	1030	990	740	840	820	520	560	730	820
27	880	730	685	1030	990	740	840	820	520	560	730	820
28	880	730	685	1030	990	740	840	820	520	560	730	820
29	880	730	685	1030	.....	740	840	820	520	560	730	820
30	880	730	685	1030	.....	740	840	820	520	560	730	820
31	880	.....	685	1030	.....	740	.....	820	.....	560	730	.....
Mean	974	808	773	823	1050	966	953	873	743	658	677	717
Max.	1450	872	995	1030	1100	1080	1280	1120	870	760	750	840
Min.	860	730	670	650	990	740	840	750	520	560	590	580
A. F.	59900	48100	47500	50600	58300	59400	56700	53700	44200	40500	41600	42700

Total Acre-feet 603,000

DISCHARGE OF NIOBRARA RIVER AT SPENCER—Sec. 30-33-11 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1060	1300	1400	1080	2770	1550	2660	1150	956	865	582	830
2	994	1150	1140	1200	2640	1560	2360	1190	885	895	990	882
3	1000	1340	1320	1190	2700	1550	2120	1140	973	811	1040	851
4	1740	1220	1260	1260	2440	1440	2330	1250	1330	981	710	751
5	1800	1200	1480	1240	2090	1100	2190	1260	1260	1100	1470	725
6	1680	1240	1650	1210	1930	1070	2240	1190	1230	1300	840	639
7	1510	1230	1560	1230	1890	1600	2080	1180	1170	844	700	799
8	1380	1310	1620	1240	1890	1620	1990	1180	1180	893	635	647
9	1170	1140	1610	1320	1490	1360	1800	1880	973	850	889	661
10	1210	1320	1720	1330	1420	1680	1730	2230	945	924	1660	640
11	1100	1340	1650	1230	1920	1490	1560	2040	1270	860	1220	602
12	1930	1240	1420	1210	1790	1500	1390	1740	1490	744	835	717
13	1870	1220	1510	939	1540	1650	1400	1500	1200	732	688	621
14	1480	1270	1360	539	1500	1710	1350	1360	1150	862	732	661
15	1289	1310	1110	449	1810	1740	1300	1200	1080	795	667	822
16	1450	1230	1060	366	1670	1900	1330	1160	1080	647	559	820
17	1100	1420	1140	473	1510	1770	1330	1170	967	642	640	794
18	1270	1290	1270	632	1550	1600	1170	1210	835	633	675	893
19	1090	1320	1200	780	1540	1580	1360	1180	854	684	740	1010
20	1270	2050	1070	1090	1500	1690	1480	1180	912	777	703	1050
21	1230	1060	825	1300	1600	1730	1290	1200	1200	735	907	887
22	1310	1000	876	1230	1590	1520	1240	1110	982	646	946	934
23	1240	1000	1100	1180	1740	1580	1240	1030	850	649	1020	923
24	1260	1160	1190	1390	1690	1770	1230	908	813	782	1020	1140
25	1260	1450	1230	1710	1740	1680	1300	1080	793	799	765	1280
26	1120	901	1160	1800	1570	1520	1240	889	761	618	883	1120
27	1390	1010	1150	1880	1690	258	1290	932	654	638	809	961
28	1300	858	1140	2010	1620	220	1210	1040	603	592	848	978
29	1310	1280	1210	2410	.....	362	1160	1090	597	548	789	836
30	1250	1440	1060	2690	.....	1120	1170	1220	588	559	643	847
31	1200	.....	1110	2870	.....	3560	.....	909	.....	598	665	.....
Mean	1330	1240	1280	1310	1820	1500	1580	1250	988	774	847	844
Max.	1930	2050	1720	2870	2770	3560	2660	2230	1490	1300	1660	1280
Min.	994	858	825	366	1420	220	1160	889	588	548	559	602
A. F.	81800	73800	78700	80600	101000	92200	94000	76900	58700	47600	52100	50200

Total Acre-feet 888,000

DISCHARGE OF OTTER CREEK—Sec. 9-15-40 W.

Year Ending September 30, 1931

Date	†Oct.	†Nov.	†Dec.	†Jan.	†Feb.	†Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	34	33	27	30	30	29	26	6	25	29	21
2	29	34	33	27	30	30	29	23	5	23	12	24
3	29	34	33	27	30	30	32	22	5	24	11	26
4	29	34	33	27	30	30	35	32	5	25	13	29
5	29	34	33	27	30	30	37	27	6	26	18	27
6	29	34	33	27	30	30	37	23	5	25	3	27
7	29	34	33	27	30	30	33	26	5	24	19	27
8	29	34	33	27	30	30	33	23	8	26	17	25
9	29	34	33	27	30	30	23	27	10	28	19	24
10	29	34	33	27	30	30	30	24	14	27	17	26
11	29	34	33	27	30	30	31	19	26	26	15	26
12	29	34	33	27	30	30	31	21	30	25	16	26
13	29	34	33	27	30	30	32	21	28	24	16	26
14	29	34	33	27	30	30	33	23	29	24	17	27
15	29	34	33	27	30	30	31	21	29	26	17	26
16	29	34	33	27	30	30	31	17	28	25	18	26
17	29	34	33	27	30	30	31	21	25	25	18	26
18	29	34	33	27	30	30	30	17	26	25	17	25
19	29	34	33	27	30	30	28	16	24	26	17	26
20	29	34	33	27	30	30	26	14	22	26	20	29
21	29	34	33	27	30	30	23	14	21	25	20	29
22	29	34	33	27	30	30	22	14	20	25	23	27
23	29	34	33	27	30	30	22	16	21	26	20	28
24	29	34	33	27	30	30	31	5	21	25	20	28
25	29	34	33	27	30	30	34	6	22	25	22	28
26	29	34	33	27	30	30	34	6	22	25	20	28
27	29	34	33	27	30	30	30	6	23	24	23	29
28	28	34	33	27	30	30	28	5	23	24	20	31
29	29	34	33	27	—	30	26	5	23	24	20	22
30	29	34	33	27	—	30	26	6	24	19	22	19
31	29	—	33	27	—	30	....	6	....	26	22	—
Mean	29	34	33	27	30	30	29	17	18	25	18	26
Max.	29	34	33	27	30	30	37	32	30	28	29	31
Min.	29	34	33	27	30	30	22	5	5	19	3	19
A. F.	1783	2023	2029	1607	1666	1845	1781	1055	1103	1533	1113	1563

Total Acre-feet 19,101

†Estimated.

DISCHARGE OF PAWNEE CREEK—Sec. 4-12-27 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	14	22	16	15	*	*	*	*	2	4	5.0
2	9	14	22	16	15	—	—	—	—	2	4	4.0
3	9	14	22	16	15	—	—	—	—	2	4	1.0
4	9	14	22	16	15	—	—	—	—	2	4	1.0
5	9	14	22	16	15	—	—	—	—	2	4	1.0
6	9	14	22	16	15	—	—	—	—	2	4	1.0
7	9	14	22	16	15	—	—	—	—	3	4	1.0
8	9	14	22	16	15	—	—	—	—	3	4	1.0
9	9	14	22	16	15	—	—	—	—	3	4	1.0
10	9	14	22	16	15	—	—	—	—	3	4	1.0
11	9	14	22	16	15	—	—	—	—	4	4	.5
12	9	14	22	16	15	—	—	—	—	4	4	.5
13	9	14	22	16	15	—	—	—	—	4	4	.5
14	9	14	22	16	15	—	—	—	—	4	4	.5
15	9	14	22	16	15	—	—	—	—	4	4	.5
16	12	14	22	15	15	—	—	—	—	3	5	.5
17	12	14	22	15	15	—	—	—	—	3	5	.5
18	12	14	22	15	15	—	—	—	—	3	5	.5
19	12	14	22	15	15	—	—	—	—	2	5	.5
20	12	14	22	15	15	—	—	—	—	2	5	.5
21	12	27	22	15	15	—	—	—	—	2	5	2.0
22	12	27	22	15	15	—	—	—	—	2	5	2.0
23	12	27	22	15	15	—	—	—	—	2	5	2.0
24	10	27	22	15	15	—	—	—	—	2	5	6.0
25	10	27	22	15	15	—	—	—	—	2	5	6.0
26	10	27	22	15	15	—	—	—	—	1	5	6.0
27	10	27	22	15	15	—	—	—	—	1	5	6.0
28	10	27	22	15	15	—	—	—	—	1	5	6.0
29	10	27	22	15	—	—	—	—	—	1	5	6.0
30	10	27	22	15	—	—	—	—	—	1	5	.....
31	10	—	22	15	—	—	—	—	—	1	5	.....
Mean	10	18	22	15	15	—	—	—	—	2	4	2.0
Max.	12	27	22	16	15	—	—	—	—	4	5	6.0
Min.	9	14	22	15	15	—	—	—	—	1	4	.5
A. F.	617	1091	1353	952	833	—	—	—	—	145	278	139.0

*No record.

DISCHARGE OF PLUM CREEK—Sec. 10-19-49 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	8	7	8	7	6	8	5	5	6	3	4
2	10	8	7	8	7	6	8	5	4	6	3	4
3	10	8	7	8	7	6	8	5	4	6	3	5
4	10	8	7	8	7	6	8	5	4	6	3	5
5	10	8	7	8	7	6	8	5	4	6	3	5
6	10	8	7	8	7	6	7	5	4	6	3	5
7	10	8	7	8	7	6	7	5	4	7	3	5
8	10	8	7	8	7	6	7	5	4	7	4	6
9	10	8	7	8	7	6	7	5	4	7	5	5
10	10	8	7	8	7	6	7	5	6	7	6	6
11	10	8	7	8	6	7	6	5	6	6	5	6
12	10	8	7	8	6	7	6	5	5	6	5	6
13	10	8	7	8	6	7	6	5	4	6	5	6
14	10	8	7	8	6	7	6	5	4	6	4	6
15	10	8	7	8	6	7	6	5	5	5	4	6
16	9	7	8	7	6	6	6	5	5	5	4	6
17	9	7	8	7	6	6	6	5	5	5	5	6
18	9	7	8	7	6	6	6	5	5	5	5	6
19	9	7	8	7	6	6	6	5	5	4	6	6
20	9	7	8	7	6	6	6	5	5	4	6	6
21	9	7	8	7	7	6	5	5	4	3	6	6
22	9	7	8	7	7	6	5	5	3	3	6	7
23	9	7	8	7	7	6	5	5	3	3	5	7
24	9	7	8	7	7	6	5	5	3	3	5	7
25	9	7	8	7	7	6	5	5	3	3	4	7
26	9	7	8	7	7	5	5	5	3	3	4	6
27	9	7	8	7	7	5	5	5	4	3	4	6
28	9	7	8	7	7	5	5	5	4	3	4	5
29	9	7	8	7	—	5	5	5	5	3	4	5
30	9	7	8	7	....	5	5	5	6	3	4	5
31	9	—	8	7	—	5	—	5	—	3	4	—
Mean	9	7	7	7	7	6	6	5	4	5	4	6
Max.	10	8	8	8	7	7	7	5	6	7	6	7
Min.	9	7	7	7	6	5	5	5	3	3	3	4
A. F.	584	446	461	461	367	369	369	307	256	295	271	339

Total Acre-feet 4.525

DISCHARGE OF PUMPKINSEED CREEK—Sec. 12-19-50 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	85	50	55	60	70	58	52	52	1	23	38	45
2	85	50	55	60	70	59	58	55	1	36	28	45
3	85	50	55	60	70	56	59	50	1	19	20	45
4	85	50	55	60	70	57	59	51	1	14	17	46
5	85	50	55	60	70	58	57	51	1	15	13	32
6	85	50	55	60	70	59	57	52	14	15	10	19
7	85	50	55	60	70	62	55	54	14	8	41	19
8	85	50	55	60	70	55	54	54	14	8	34	19
9	85	50	55	60	70	55	51	54	18	9	54	26
10	85	50	55	60	70	58	51	54	18	9	62	26
11	70	50	55	65	70	59	51	53	3	9	34	26
12	70	50	55	65	70	63	52	54	1	10	54	26
13	70	50	55	65	70	62	52	54	1	10	54	39
14	70	50	55	65	70	59	52	54	14	8	43	39
15	70	50	55	65	70	59	52	15	14	8	43	39
16	70	50	55	65	73	59	51	15	2	12	22	40
17	70	50	55	65	70	59	51	15	1	14	17	39
18	70	50	55	65	67	58	52	15	1	14	15	42
19	70	50	55	65	64	57	51	54	4	9	14	45
20	70	50	55	65	64	55	51	54	4	9	18	42
21	70	50	55	65	65	55	51	54	4	10	17	42
22	70	50	55	65	65	54	51	52	14	10	17	42
23	70	50	55	65	66	51	52	36	13	14	18	35
24	70	50	55	65	59	51	52	36	6	14	18	38
25	70	50	55	65	60	51	52	36	6	28	20	39
26	55	50	55	65	62	40	52	36	7	28	18	39
27	55	50	55	65	62	35	52	36	7	28	18	39
28	55	50	55	65	66	35	52	16	14	30	18	42
29	55	50	55	65	—	45	52	15	14	29	15	34
30	55	50	55	65	....	45	52	1	22	38	28	34
31	55	—	55	65	....	48	—	1	22	38	47	—
Mean	†72	†50	†55	†63	†64	54	53	40	8	17	28	36
Max.	85	50	55	65	73	63	59	55	22	38	62	46
Min.	55	50	55	60	59	35	51	1	1	8	10	19
A. F.	4420	2980	3380	3900	3750	3330	3150	2430	464	1040	1720	2150

Total Acre-feet 16,000

†Estimated.

DISCHARGE OF RED WILLOW CREEK AT BAYARD—Sec. 7-20-51 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	125	70	75	65	55	36	37	37	65	6	1	37
2	125	70	75	65	55	36	44	47	5	8	68	52
3	125	70	75	65	55	36	37	31	50	5	68	37
4	125	70	75	65	55	36	42	31	11	21	60	40
5	125	70	75	65	55	39	35	34	49	31	90	40
6	125	70	75	65	55	35	35	31	109	21	98	31
7	125	70	75	65	55	35	35	29	49	80	8	37
8	125	70	75	65	55	35	35	26	21	65	8	37
9	125	70	75	65	55	34	31	26	11	65	2	31
10	125	70	75	65	55	34	29	20	11	43	39	47
11	100	70	70	55	55	46	29	20	14	43	18	34
12	100	70	70	55	55	35	29	20	13	26	22	47
13	100	70	70	55	55	35	26	20	10	6	22	47
14	100	70	70	55	55	35	26	18	5	6	39	62
15	100	70	70	55	55	35	26	16	8	4	18	47
16	100	70	70	55	55	34	26	15	1	4	21	46
17	100	70	70	55	51	33	26	15	2	1	21	39
18	100	70	70	55	48	33	26	15	2	1	17	68
19	100	70	70	55	46	36	26	68	2	2	21	90
20	100	70	70	55	44	36	22	68	2	1	18	83
21	75	70	65	58	49	33	19	197	2	1	22	60
22	75	70	65	58	49	33	22	214	3	2	33	66
23	75	70	65	58	44	33	28	95	3	1	37	34
24	75	70	65	58	44	30	31	14	3	105	20	52
25	75	70	65	58	46	36	31	10	2	83	31	74
26	75	70	65	58	46	10	26	8	2	105	23	100
27	75	70	65	58	47	12	23	6	4	89	22	111
28	75	70	65	58	53	14	22	2	2	6	24	80
29	75	70	65	58	—	16	23	1	5	3	24	80
30	75	70	65	58	—	22	23	1	8	66	24	72
31	75	—	65	58	—	37	....	65	—	1	29	—
Mean	†99	†70	†70	†59	52	32	29	39	16	29	31	56
Max.	125	70	75	65	53	46	44	214	109	105	98	111
Min.	75	70	65	55	44	10	19	1	1	1	1	31
A.F.	5100	4170	4290	3650	2870	1960	1730	2380	940	1700	1880	3360

Total Acre-feet 35,100

†Estimated.

DISCHARGE OF RED WILLOW CREEK—Sec. 17-3-28 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	47	23	40	40	37	45	30	30	15	58	15
2	14	47	23	40	40	37	45	30	30	15	58	15
3	14	47	23	40	40	37	45	30	30	15	58	15
4	14	47	23	40	40	37	45	30	30	15	58	15
5	14	47	23	40	40	37	45	30	30	15	58	15
6	14	47	23	40	40	37	45	30	30	15	58	15
7	14	47	23	40	40	37	45	30	30	15	58	15
8	14	47	23	40	40	37	45	30	30	15	58	15
9	14	47	23	40	40	37	45	30	30	15	58	15
10	14	47	23	40	40	37	45	30	30	15	58	15
11	14	47	23	40	40	37	45	30	20	21	40	7
12	50	47	23	40	40	37	45	30	20	21	40	7
13	100	47	23	40	40	37	45	30	20	21	40	7
14	150	47	23	40	40	37	45	30	20	21	40	7
15	108	47	23	40	40	37	45	30	20	21	40	7
16	90	47	23	40	37	40	31	29	20	21	40	7
17	70	47	23	40	37	40	31	29	20	21	40	7
18	70	47	23	40	37	40	31	29	20	21	40	7
19	70	150	23	40	37	40	31	29	20	21	40	7
20	70	100	23	40	37	40	31	29	20	21	40	7
21	70	70	40	40	37	40	31	29	15	30	20	5
22	70	47	40	40	37	40	31	29	15	30	20	5
23	70	47	40	40	37	40	31	29	15	30	20	5
24	70	47	40	40	37	40	31	29	15	30	20	5
25	70	47	40	40	37	40	31	29	15	30	20	5
26	50	30	40	40	37	45	31	29	15	30	20	5
27	50	30	40	40	37	45	31	29	15	30	20	5
28	50	30	40	40	37	45	31	29	15	30	20	5
29	50	30	40	40	....	45	31	29	15	30	20	5
30	50	30	40	40	....	45	31	29	15	30	20	5
31	50	—	40	40	—	45	....	29	—	30	20	—
Mean	51	50	29	40	38	40	34	28	21	22	39	9
Max.	108	150	40	40	40	45	45	30	30	30	58	15
Min.	14	30	23	40	37	37	31	29	15	15	20	5
A.F.	3138	2983	1785	2460	2085	2480	2260	1755	1289	1370	2380	535

Total Acre-feet 24,520

DISCHARGE OF REPUBLICAN (ARICKAREE) RIVER—Sec. 10-1-42 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	8	28	28	76	76	190	61	11	9	7	11
2	16	8	28	28	76	76	92	58	11	8	8	13
3	16	8	28	28	76	76	87	53	11	8	7	16
4	16	8	28	28	76	76	86	54	13	10	7	14
5	16	8	28	28	76	76	97	56	47	9	11	13
6	16	8	28	28	76	76	101	49	28	9	10	11
7	16	8	28	28	76	76	97	46	19	8	8	9
8	16	8	28	28	76	78	99	39	15	7	8	10
9	16	8	28	28	76	80	97	41	19	7	41	10
10	16	8	28	28	76	80	92	47	19	7	30	8
11	16	10	28	28	76	80	91	44	38	7	21	7
12	16	10	28	28	76	80	90	39	36	8	19	7
13	16	10	28	28	76	80	88	38	31	8	12	8
14	16	10	28	28	76	80	87	37	31	7	8	9
15	16	10	28	28	76	80	86	34	36	8	8	13
16	16	10	28	28	76	80	84	32	42	14	7	13
17	16	10	28	28	76	80	86	26	45	13	7	15
18	16	10	28	28	76	78	82	27	44	14	7	16
19	16	10	28	28	76	78	70	11	31	8	8	19
20	16	10	28	28	76	83	68	6	26	7	7	23
21	16	10	28	44	76	81	67	8	19	7	8	28
22	16	10	28	60	76	78	66	8	17	7	8	34
23	16	10	28	76	76	75	70	7	12	8	8	37
24	16	10	28	76	76	71	71	6	8	8	8	39
25	16	10	28	76	76	77	70	6	8	7	11	41
26	16	10	28	76	76	70	68	9	7	8	13	31
27	16	10	28	76	76	50	66	9	7	7	7	28
28	16	10	28	76	76	60	64	9	6	7	7	23
29	16	10	28	76	----	70	67	9	6	7	8	21
30	16	10	28	76	----	70	59	9	6	4	9	23
31	16	----	28	76	----	90	----	8	----	4	11	----
Mean	16	9	28	43	76	76	85	29	22	8	11	18
Max.	16	10	28	76	76	90	190	61	47	14	41	41
Min.	16	8	28	28	76	50	59	6	6	4	7	7
A. F.	984	555	1720	2676	4221	4683	5030	1760	1290	498	670	1090

Total Acre-feet 33,746

DISCHARGE OF REPUBLICAN RIVER AT BENKELMAN—Sec. 19-1-37 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	171	75	50	120	150	39	80	34	4	0	4
2	50	150	75	50	120	150	65	80	30	4	0	4
3	70	150	75	50	120	150	65	80	30	4	0	4
4	70	130	75	50	120	150	65	72	30	4	0	4
5	150	130	75	50	120	150	65	72	432	4	0	4
6	100	108	112	50	120	150	65	58	97	2	0	4
7	80	108	100	50	120	150	65	58	88	2	0	4
8	80	108	80	50	120	150	65	65	51	2	0	0
9	80	108	60	50	120	150	65	72	51	2	400	0
10	100	108	50	50	120	150	65	65	45	2	486	0
11	150	108	40	70	150	130	65	65	51	2	97	0
12	250	108	40	70	150	120	51	65	58	2	88	0
13	200	108	40	70	150	100	51	65	58	2	72	0
14	175	108	40	70	150	90	45	65	51	0	30	0
15	175	108	40	70	150	80	45	65	45	0	26	0
16	167	100	50	70	150	68	45	65	45	0	22	0
17	167	100	50	70	150	68	34	65	34	0	9	0
18	167	100	50	70	150	68	39	58	22	2	9	9
19	167	100	50	70	150	68	39	51	22	0	9	9
20	167	100	50	70	150	83	51	51	22	0	9	4
21	167	80	66	95	150	83	51	51	18	0	9	4
22	167	80	66	95	150	83	58	51	18	0	103	4
23	167	80	66	95	150	92	58	51	15	0	37	4
24	167	80	66	95	150	83	80	45	15	0	28	0
25	167	80	66	95	150	76	88	39	15	0	24	0
26	130	75	66	95	150	76	94	45	15	0	21	0
27	130	75	66	95	150	60	94	39	12	0	14	0
28	130	75	66	95	150	50	94	39	12	0	9	0
29	130	75	66	95	-------	40	85	39	9	0	9	0
30	130	75	66	95	------	40	77	39	9	0	6	0
31	130	----	66	95	-------	39	----	39	----	0	6	----
Mean	136	102	63	72	134	100	62.3	57.9	47.8	1.2	49.1	2.1
Max.	250	171	112	95	150	150	94	80	432	4	486	9
Min.	50	75	66	50	120	39	34	39	9	0	0	0
A. F.	8390	6070	3874	4453	7438	6143	3710	3560	2840	74	3020	129

Total Acre-feet 49,700

DISCHARGE OF REPUBLICAN RIVER, NORTH FORK, AT BENKELMAN—Sec. 19-1-37 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	59	43	66	66	100	100	150	150	60	10	0	0
2	59	43	66	66	100	100	150	140	60	10	0	0
3	59	43	66	66	100	100	150	120	60	10	0	0
4	59	43	66	66	100	100	150	100	60	10	0	0
5	59	43	66	66	100	100	150	90	300	10	0	0
6	59	43	66	66	100	100	198	79	200	6	0	0
7	59	43	66	66	100	100	198	79	150	6	0	0
8	59	43	66	66	100	100	198	79	100	6	0	0
9	59	43	66	66	100	100	198	79	80	6	0	0
10	59	43	66	66	100	100	198	79	80	6	0	0
11	59	43	66	66	120	100	198	79	70	6	0	0
12	59	43	66	66	120	100	198	79	70	6	0	3
13	59	43	66	66	120	100	198	79	70	6	0	3
14	59	43	66	66	120	100	198	79	70	6	0	3
15	59	43	66	66	120	100	198	79	70	6	0	3
16	59	43	66	66	120	139	198	79	60	6	0	23
17	59	43	66	66	120	139	198	79	60	6	0	23
18	59	43	66	66	120	139	198	75	60	6	0	23
19	59	43	66	66	120	139	198	75	60	6	0	23
20	59	43	66	66	120	139	198	79	60	6	0	23
21	59	43	66	66	140	150	179	60	60	0	0	23
22	59	43	66	66	140	150	179	60	60	0	0	23
23	59	43	66	100	140	150	179	60	60	0	0	23
24	59	43	66	179	140	150	179	60	60	0	0	23
25	59	43	66	150	140	150	179	60	60	0	0	23
26	59	43	66	100	140	150	179	60	60	0	0	23
27	59	43	66	70	140	150	179	60	60	0	0	23
28	59	43	66	70	140	150	179	60	50	0	0	23
29	59	43	66	70	.....	150	179	60	40	0	0	23
30	59	43	66	70	.....	150	179	60	30	0	0	23
31	59	—	66	70	.....	150	.....	60	—	0	0	—
Mean	59	43	66	75	128	124	183	85	78	5	0	12
Max.	59	43	66	179	140	150	198	150	300	10	0	23
Min.	59	43	66	66	100	100	150	60	30	0	0	0
A. F.	3628	2558	4058	4623	7140	7626	10930	5187	4640	289	0	714

Total Acre-feet 51,393

DISCHARGE OF REPUBLICAN RIVER AT MAX—Sec. 32-2-36 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	100	168	130	140	200	266	686	196	78	0	0	0
2	100	163	130	140	220	290	509	190	70	0	0	0
3	163	163	130	140	250	306	498	186	57	2	0	0
4	238	172	130	140	255	322	266	176	29	5	0	0
5	358	172	130	140	260	306	290	168	552	4	0	0
6	226	158	160	160	265	172	314	154	306	2	0	0
7	186	158	180	160	266	145	290	163	196	1	0	0
8	186	172	196	170	250	196	274	158	136	0	0	0
9	181	202	214	170	266	2 8	232	150	114	0	0	0
10	163	181	176	180	266	314	232	150	114	0	446	0
11	340	172	176	181	274	314	226	140	226	0	196	0
12	406	172	172	208	282	306	214	150	176	0	127	0
13	298	181	136	181	282	266	202	158	552	0	91	0
14	250	181	109	150	266	266	220	154	244	0	57	0
15	232	172	109	130	282	258	220	132	196	0	31	0
16	214	181	100	100	282	250	202	122	158	0	16	0
17	238	172	100	100	298	244	190	145	114	0	11	0
18	202	172	100	100	282	258	190	140	104	0	7	41
19	196	190	100	100	232	274	190	136	100	0	3	14
20	190	87	100	100	238	298	196	136	100	0	1	8
21	190	33	110	120	266	298	172	136	100	0	0	6
22	190	100	110	120	358	282	172	140	78	0	74	6
23	202	78	110	120	368	274	190	118	74	0	49	14
24	190	110	110	120	314	250	232	114	78	0	33	17
25	196	110	110	120	322	244	250	91	57	0	15	29
26	190	110	120	180	314	266	274	70	41	0	15	17
27	186	110	120	180	290	209	250	57	25	0	3	21
28	181	110	120	180	290	120	226	53	10	0	1	16
29	181	110	120	180	.....	180	226	57	4	0	0	16
30	172	110	120	180	.....	300	238	109	1	0	0	15
31	181	.....	120	180	.....	360	.....	96	.....	0	0	.....
Mean	211	146	131	147	276	259	262	134	136	1	38	7
Max.	406	202	214	208	368	360	686	196	552	5	446	41
Min.	100	33	109	100	200	120	172	53	1	0	0	0
A. F.	13000	8690	8060	9040	15300	15900	15600	8240	8090	31	2330	434

Total Acre-feet 105,000

DISCHARGE OF REPUBLICAN RIVER AT CULBERTSON—Sec. 20-3-31 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	175	100	259	200	100	222	202	202	47	0	0	4
2	175	100	259	200	150	222	490	202	47	0	0	4
3	175	100	259	200	200	222	325	202	47	0	0	4
4	175	100	259	200	200	222	275	160	47	29	0	15
5	175	100	259	200	200	222	226	160	68	15	0	15
6	175	126	259	200	250	222	325	160	325	15	0	22
7	175	126	259	200	250	222	226	160	226	15	109	22
8	175	126	259	200	250	222	275	160	181	15	2	10
9	175	126	259	200	250	222	226	124	142	15	378	22
10	175	126	259	200	250	222	181	124	109	15	22	22
11	215	126	259	150	300	250	226	124	109	15	109	10
12	215	126	259	150	300	250	226	124	275	4	109	10
13	215	126	259	150	300	250	181	124	181	4	58	10
14	215	126	259	150	300	202	181	124	350	0	38	10
15	215	126	259	150	300	202	181	124	250	0	22	10
16	175	150	250	150	300	202	160	94	202	0	10	10
17	175	150	250	175	300	202	160	94	160	0	2	10
18	175	150	250	175	300	202	160	94	160	0	10	10
19	175	150	250	200	300	202	160	94	94	0	10	81
20	175	150	250	225	300	202	160	94	94	0	10	22
21	150	200	250	272	300	250	124	94	68	0	10	10
22	150	200	250	272	500	250	124	94	68	0	10	10
23	150	200	250	250	300	250	160	94	47	0	10	22
24	150	200	250	200	242	202	202	94	47	0	10	10
25	150	200	250	150	242	160	160	68	47	0	10	10
26	99	200	250	100	242	140	202	68	47	0	10	10
27	99	225	250	100	242	120	202	47	29	0	10	1
28	99	225	250	100	242	130	202	29	4	0	2	1
29	99	250	250	100	.....	150	202	47	4	0	1	0
30	99	250	250	100	.....	170	250	47	4	0	1	0
31	99	.....	250	100	.....	190	.....	68	.....	0	1	—
Mean	162	155	254	175	265	199	212	113	116	4.6	31.1	13.2
Max.	215	250	259	272	500	250	490	202	350	29	378	81
Min.	98	100	250	100	100	120	124	29	4	0	0	0
A. F.	10005	9243	15640	10748	14697	12685	12600	6950	6900	283	1910	786

Total Acre-feet 102,450

DISCHARGE OF REPUBLICAN RIVER AT McCOOK—Sec. 32-3-29 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	578	318	325	350	400	364	375	300	88	0	0	24
2	578	318	400	350	400	364	705	258	88	0	0	20
3	578	318	673	350	400	364	575	258	88	0	0	20
4	578	318	600	350	400	364	450	222	88	190	0	20
5	578	318	550	350	400	364	450	222	800	110	0	20
6	578	318	450	350	400	364	450	222	510	72	0	20
7	578	318	400	350	400	364	450	222	300	88	475	20
8	578	318	400	350	400	368	450	222	258	88	44	20
9	578	318	400	350	400	372	450	222	190	110	32	20
10	578	318	400	350	400	375	395	222	160	88	475	20
11	578	327	400	350	400	428	345	222	160	72	236	10
12	578	327	400	350	400	486	345	222	258	60	202	10
13	578	327	400	350	400	428	345	222	258	46	172	10
14	578	327	400	350	400	428	300	222	300	20	146	10
15	578	327	400	350	400	428	300	222	258	10	100	20
16	565	327	400	350	350	428	300	190	258	0	100	20
17	565	327	400	350	350	428	300	222	222	0	100	20
18	565	327	400	350	350	428	300	222	190	0	80	20
19	525	400	400	350	350	428	300	190	134	0	44	44
20	500	475	400	350	350	456	300	190	134	0	44	44
21	400	500	400	400	400	456	300	190	134	0	44	32
22	350	450	400	400	400	428	300	190	190	0	32	24
23	350	400	400	450	450	428	300	190	160	0	32	32
24	350	350	400	500	500	375	345	160	110	0	44	32
25	350	325	400	655	500	375	345	160	88	0	44	32
26	318	325	400	600	450	320	395	134	60	0	44	32
27	318	325	400	550	400	250	395	110	56	0	24	32
28	318	325	400	450	400	270	345	110	6	0	24	32
29	318	325	400	400	.....	290	300	72	4	0	24	24
30	318	325	400	400	.....	320	300	88	2	0	24	24
31	318	.....	400	400	.....	350	.....	88	.....	0	24	.....
Mean	485	344	420	394	400	388	374	193	185	31	84	24
Max.	578	500	673	655	500	486	705	300	800	190	475	44
Min.	318	318	325	350	350	250	300	72	2	0	0	10
A. F.	29947	20470	25780	24210	22315	23590	22300	11900	11000	1890	5180	1400

Total Acre-feet 199,980

DISCHARGE OF REPUBLICAN RIVER AT BLOOMINGTON—Sec. 8-1-15 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	212	602	785	525	713	841	737	926	451	158	38	82
2	210	590	755	530	779	797	755	906	516	516	40	77
3	248	590	737	530	867	779	919	912	373	191	40	75
4	287	596	731	555	952	785	1140	912	348	158	34	68
5	2740	596	725	560	803	803	1510	1440	332	373	27	54
6	1910	585	695	575	761	785	1300	965	3940	233	29	53
7	2290	585	701	585	731	749	1180	890	2020	271	31	47
8	1010	575	701	590	707	719	1110	768	1180	194	56	38
9	767	565	701	585	695	749	1070	824	837	208	726	32
10	607	565	701	596	701	725	1010	965	774	188	910	29
11	535	575	701	580	690	719	959	732	685	177	1780	27
12	2110	585	713	580	678	731	926	685	639	177	1170	23
13	9540	590	725	580	668	743	919	644	575	161	1580	19
14	7860	590	656	580	656	755	867	590	560	171	877	19
15	3400	560	651	580	656	767	828	585	550	148	883	19
16	2390	565	624	480	662	761	815	570	738	133	738	17
17	1940	560	585	480	668	749	791	550	656	124	474	19
18	1480	550	570	480	678	731	809	535	628	142	368	18
19	1250	707	570	480	668	737	822	526	565	130	274	22
20	1060	2470	565	480	668	749	966	511	506	155	244	208
21	959	3610	560	500	668	767	893	497	437	181	248	68
22	874	2200	550	500	725	867	828	487	389	102	356	184
23	803	1520	540	500	737	867	767	487	373	82	398	62
24	767	1330	535	500	761	841	809	478	1050	71	328	68
25	731	1130	540	500	779	785	809	478	442	64	205	99
26	684	919	510	630	809	791	822	460	328	56	145	320
27	662	791	495	630	822	779	867	433	267	56	164	230
28	651	731	490	630	848	612	880	433	226	53	133	136
29	634	695	495	630	—	515	874	702	205	47	102	66
30	618	651	505	630	—	550	912	639	174	41	99	121
31	607	—	515	630	—	585	—	565	—	40	102	—
Mean	1610	906	623	555	734	746	930	680	692	155	406	77
Max.	9540	3610	785	630	952	867	1510	1440	3940	516	1780	320
Min.	210	550	490	480	656	515	737	433	174	40	27	17
A. F.	99000	53900	38300	34100	40800	45900	55300	41800	41200	9530	25000	4560

Total Acre-feet, 489,000

DISCHARGE OF REPUBLICAN RIVER AT BOSTWICK—Sec. 23-1-8 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	890	716	328	97	143
2	—	—	—	—	—	—	—	910	682	319	560	118
3	**115	—	—	—	—	—	—	930	556	642	124	130
4	—	—	—	—	—	—	830	930	618	764	88	74
5	—	—	—	—	—	—	950	5470	556	296	78	84
6	—	—	—	—	—	—	1500	1840	1070	259	74	84
7	—	—	—	—	—	—	1340	1180	3970	480	74	71
8	—	—	—	—	—	—	1270	1140	2410	270	84	63
9	—	—	—	—	—	—	1210	1010	1760	283	594	66
10	—	**185	—	—	—	—	1150	787	1220	226	2640	49
11	—	—	—	—	—	—	1090	1250	1140	226	1620	56
12	—	—	—	—	—	—	1030	883	1360	206	1520	44
13	—	—	—	—	—	—	990	768	944	206	1450	44
14	—	—	—	—	—	—	950	699	944	197	1190	44
15	**81	—	—	—	—	—	970	699	768	170	990	44
16	—	—	—	—	—	—	990	666	751	163	830	37
17	—	—	—	—	—	—	870	682	768	150	890	37
18	—	—	—	—	—	—	850	618	863	136	544	37
19	—	—	—	—	—	—	830	618	844	130	496	37
20	—	—	—	—	—	—	910	634	751	150	496	37
21	—	**432	—	—	—	—	950	666	716	156	309	34
22	—	—	—	—	—	—	950	666	787	156	237	170
23	—	—	—	—	—	—	870	602	602	188	283	112
24	—	—	—	—	—	**674	890	634	863	136	560	118
25	—	—	—	**381	**21900	—	930	634	863	124	391	136
26	—	—	—	—	—	—	910	618	602	106	363	435
27	—	—	—	—	—	—	870	587	587	97	226	170
28	—	—	—	—	—	—	890	618	484	93	197	124
29	**88	—	—	—	—	—	890	556	418	84	206	270
30	—	—	—	—	—	—	910	556	360	78	170	197
31	—	—	—	—	—	—	—	1030	—	71	150	—
Mean	—	—	—	—	—	—	992	960	966	222	566	102
Max.	—	—	—	—	—	—	1500	5470	3970	764	2640	435
Min.	—	—	—	—	—	—	830	556	360	71	74	34
A. F.	—	—	—	—	—	—	53100	59000	57500	13600	34800	6070

Total Acre-feet 224,000

*No record

**Actual measurements

DISCHARGE OF ROCK CREEK—Sec. 21-1-39 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	18	15	15	20	18	13	17	17	10	10	10
2	15	18	15	15	20	18	13	17	17	10	10	10
3	15	18	15	15	20	18	13	17	17	10	10	10
4	15	18	15	15	20	18	13	17	17	10	10	10
5	15	18	15	15	20	18	13	17	17	10	10	10
6	15	18	15	15	20	18	13	17	17	10	10	10
7	15	18	15	15	20	18	13	17	17	10	10	10
8	15	18	15	15	20	18	13	17	17	10	10	10
9	15	18	15	15	20	18	13	17	17	10	10	10
10	15	18	15	15	20	18	13	17	17	10	10	10
11	15	12	15	15	20	18	13	17	17	10	10	10
12	15	12	15	15	20	18	13	17	17	10	10	10
13	15	12	15	15	20	18	13	17	17	10	10	10
14	15	12	15	15	20	18	13	17	17	10	10	10
15	15	12	15	15	20	18	13	17	17	10	10	10
16	15	12	15	20	18	18	16	17	10	12	10	11
17	15	12	15	20	18	18	16	17	10	12	10	11
18	15	12	15	20	18	18	16	17	10	12	10	11
19	15	12	15	20	18	18	16	17	10	12	10	11
20	15	12	15	20	18	18	16	17	17	12	10	11
21	15	12	15	20	18	18	16	17	17	12	10	11
22	15	12	15	20	18	18	16	17	17	12	10	11
23	15	12	15	20	18	18	16	17	17	12	10	11
24	15	12	15	20	18	18	16	17	17	12	10	11
25	15	12	15	20	18	18	16	17	17	12	10	11
26	15	12	15	20	18	18	16	17	17	12	10	11
27	15	12	15	20	18	18	16	17	10	12	10	11
28	15	12	15	20	18	18	16	17	10	12	10	11
29	15	12	15	20	—	18	16	17	10	12	10	11
30	15	12	15	20	—	18	16	17	10	12	10	11
31	15	—	15	20	—	18	—	17	—	12	10	—
Mean	15	14	15	17	19	18	14	17	13	11	10	7
Max.	15	18	15	20	20	18	16	17	17	12	10	11
Min.	15	12	15	15	18	18	13	17	10	10	10	10
A. F.	922	833	922	1080	1060	1107	863	1045	803	678	615	426

Total Acre-feet 10,340

DISCHARGE OF SAND CREEK—Sec. 10-15-40 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	5	8	5	4	4	4	2	3	1	3	0
2	3	5	8	5	4	4	4	2	3	1	2	0
3	3	5	8	5	4	4	4	2	3	6	1	2
4	3	5	8	5	4	4	4	2	3	5	1	4
5	3	5	8	5	4	4	4	2	3	4	2	3
6	3	5	8	5	4	3	4	2	2	3	4	3
7	3	5	8	5	4	3	4	2	2	3	8	3
8	3	5	8	5	4	3	4	2	2	3	6	3
9	3	5	8	5	4	3	4	2	2	3	4	3
10	3	5	8	5	4	3	4	2	2	2	3	4
11	3	5	8	5	4	4	3	1	2	2	3	4
12	3	5	8	5	4	4	3	1	2	1	3	4
13	3	5	8	5	4	4	3	1	2	1	2	4
14	3	5	8	5	4	4	3	1	2	0	2	4
15	3	5	8	5	4	4	3	1	2	0	2	4
16	3	5	5	5	4	4	3	1	2	0	2	4
17	3	5	5	5	4	4	3	1	2	0	2	4
18	3	5	5	5	4	4	3	1	2	0	2	4
19	3	5	5	5	4	4	3	1	2	0	2	4
20	3	5	5	5	4	4	3	1	2	0	2	5
21	3	5	5	5	4	4	2	1	3	0	2	5
22	3	5	5	5	4	4	2	1	3	0	1	6
23	3	5	5	5	4	4	2	1	3	0	1	6
24	3	5	5	5	4	4	2	1	3	0	0	7
25	3	5	5	5	4	4	2	1	3	0	0	7
26	3	5	5	4	4	3	2	1	3	0	0	7
27	3	5	5	4	4	3	2	1	2	0	0	7
28	3	5	5	4	4	3	2	1	1	0	0	7
29	3	5	5	4	—	3	2	1	0	0	0	7
30	3	5	5	4	—	3	2	1	1	0	0	7
31	3	—	5	4	—	3	—	1	—	0	0	—
Mean	3	5	6	5	4	4	3	1	2	1	2	5
Max.	3	5	8	5	4	4	4	2	3	6	8	7
Min.	3	5	5	4	4	3	2	1	2	0	0	0
A. F.	184	297	397	295	222	221	179	80	131	68	117	274

Total Acre-feet 2,465

DISCHARGE OF SCOTTSBLUFF DRAIN—Sec. 25-22-54 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	18	16	15	13	11	11	7	20	12	21	27
2	22	18	16	15	13	11	11	7	20	13	22	28
3	22	18	16	15	13	11	11	7	20	14	23	28
4	22	18	16	15	13	11	11	7	20	15	24	29
5	22	18	16	15	13	11	11	7	20	16	24	29
6	22	18	16	15	13	11	11	7	24	17	23	28
7	22	18	16	15	13	11	11	7	26	19	22	26
8	22	18	16	15	13	11	11	7	25	20	22	24
9	22	18	16	15	13	11	11	7	28	21	22	22
10	22	18	16	15	13	11	11	7	20	21	23	22
11	22	18	16	15	13	10	9	6	19	22	24	23
12	22	18	16	15	13	10	9	6	19	22	24	23
13	22	18	16	15	13	10	9	6	18	22	24	25
14	22	18	16	15	13	10	9	6	17	22	24	27
15	22	18	16	15	13	10	9	6	16	22	24	29
16	21	19	16	15	13	9	9	6	15	21	24	30
17	21	19	16	15	13	9	9	6	14	21	24	30
18	21	19	16	15	13	9	9	6	13	20	24	31
19	21	19	16	15	13	9	9	6	12	20	24	31
20	21	19	16	15	13	9	9	6	11	20	24	31
21	21	19	16	14	12	9	8	10	11	21	23	31
22	21	19	16	14	12	9	8	10	11	21	23	32
23	21	19	16	14	12	9	8	10	11	20	23	32
24	21	19	16	14	12	9	8	10	11	19	23	32
25	21	19	16	14	12	9	8	10	11	18	24	32
26	21	19	16	14	12	8	8	15	11	19	24	32
27	21	19	16	14	12	8	8	15	10	20	25	29
28	21	19	16	14	12	8	8	15	10	21	26	26
29	21	19	16	14	—	8	8	15	11	22	23	23
30	21	19	16	14	....	8	8	15	11	22	25	20
31	21	....	16	14	—	9	—	15	....	22	26	—
Mean	21	18	16	15	13	10	9	9	16	20	24	28
Max.	22	19	16	15	13	11	11	15	28	22	26	32
Min.	21	18	16	14	12	8	8	7	10	12	21	20
A.F.	1320	1090	984	898	705	590	553	535	964	1200	1450	1650

Total Acre-feet 11,940

DISCHARGE OF SHEEP CREEK—Sec. 2[illegible]-23-57 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	120	127	109	95	90	85	85	70	3	3	3	6
2	120	127	109	95	90	85	85	70	4	3	3	4
3	120	127	109	95	90	85	85	70	4	3	3	4
4	120	127	109	95	90	85	85	70	5	3	3	4
5	120	127	109	95	90	85	85	70	7	3	3	3
6	120	127	109	95	90	75	80	70	5	3	3	3
7	120	127	109	95	90	75	80	70	3	3	3	3
8	120	127	109	95	90	75	80	70	4	3	3	3
9	120	127	109	95	90	75	80	70	4	3	4	2
10	120	127	109	95	90	75	80	70	7	3	3	2
11	120	127	109	85	90	80	80	40	19	3	3	2
12	120	127	109	85	90	80	80	40	12	3	3	2
13	120	127	109	85	90	80	80	39	10	4	3	2
14	120	127	109	85	90	80	80	35	10	3	3	2
15	120	127	109	85	90	80	80	30	9	4	3	2
16	135	127	85	85	90	80	80	25	10	3	7	2
17	135	127	85	85	90	80	80	25	11	4	4	2
18	135	127	85	85	90	80	80	20	11	3	4	2
19	135	127	85	85	90	80	80	15	11	3	3	2
20	135	127	85	85	90	80	80	10	9	4	3	2
21	135	116	85	90	90	80	75	5	10	4	3	2
22	135	116	85	90	90	80	75	4	12	4	3	2
23	135	116	85	90	90	80	75	4	11	4	4	2
24	135	116	85	90	90	80	75	3	2	4	4	2
25	135	116	85	90	90	80	75	2	3	3	4	2
26	135	116	85	90	90	75	80	1	4	4	2	2
27	135	116	85	90	90	75	80	1	3	4	4	1
28	135	116	85	90	90	75	80	1	3	3	7	1
29	135	116	85	90	—	85	80	2	3	3	4	2
30	135	116	85	90	....	85	80	2	2	3	4	1
31	135	.....	85	90	—	85	....	2	—	3	4	....
Mean	†128	†123	†96	†90	†90	†80	†80	32	7	3	3	2
Max.	135	127	109	95	90	85	85	70	19	4	7	6
Min.	120	116	85	90	90	75	75	1	2	3	3	1
A.F.	7855	7339	5940	5530	5000	4920	4760	1970	417	203	215	143

Total Acre-feet 44,298

†Estimated

DISCHARGE OF SILVERNAIL DRAIN—Sec. 6-19-49 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	17	15	11	10	8	6	5	5	19	10	11
2	15	17	15	11	10	8	6	5	5	18	10	10
3	15	17	15	11	10	8	6	5	5	16	9	9
4	15	17	15	11	10	8	6	5	5	16	9	8
5	15	17	15	11	10	8	6	5	12	16	10	8
6	15	17	15	11	10	8	6	5	9	16	11	8
7	15	17	15	11	10	8	6	5	16	16	12	8
8	15	17	15	11	10	8	6	5	18	13	15	8
9	15	17	15	11	10	8	6	5	9	10	18	9
10	15	17	15	11	10	8	6	5	15	7	20	10
11	15	17	15	11	10	7	6	5	14	7	22	11
12	15	17	15	11	10	7	6	5	14	7	17	11
13	15	17	15	11	10	7	6	5	14	7	13	11
14	15	17	15	11	10	7	6	5	13	7	11	10
15	15	17	15	11	10	7	6	5	12	8	11	10
16	15	17	15	10	9	7	5	5	12	9	10	11
17	15	17	15	10	9	7	5	5	10	10	10	11
18	15	17	15	10	9	7	5	5	8	10	9	12
19	15	17	15	10	9	7	5	5	6	11	9	12
20	15	17	15	10	9	7	5	5	6	11	8	12
21	15	17	15	10	9	5	5	5	6	11	7	12
22	15	17	15	10	9	5	5	5	7	9	7	12
23	15	17	15	10	9	5	5	5	7	9	7	13
24	15	17	15	10	9	5	5	5	7	7	7	15
25	15	17	15	10	9	5	5	5	8	7	7	16
26	15	17	15	10	9	5	5	7	9	8	8	15
27	15	17	15	10	9	5	5	7	12	8	10	14
28	15	17	15	10	9	5	5	7	15	8	11	12
29	15	17	15	10	—	5	5	7	18	8	11	10
30	15	17	15	10	....	5	5	7	20	9	11	10
31	15	—	15	10	—	5	....	7	—	10	11	....
Mean	15	17	15	10	9	7	5	5	11	11	11	11
Max.	15	17	15	11	10	8	6	7	18	19	22	16
Min.	15	17	15	10	9	5	5	5	5	7	7	8
A. F.	893	1010	922	646	528	406	327	332	631	652	676	655

Total Acre-feet 7,678

DISCHARGE OF SKUNK CREEK—Sec. 1-14-37 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	3	2	3	4	*	*	4	3	0.4	1.5	1.5
2	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
3	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
4	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
5	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
6	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
7	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
8	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
9	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
10	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
11	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
12	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
13	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
14	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
15	3	3	2	3	4	....	—	4	3	.4	1.5	1.5
16	2	3	2	3	4	....	....	4	3	.4	2.5	1.5
17	2	3	2	3	4	....	....	4	3	.4	2.5	1.5
18	2	3	2	3	4	....	....	4	3	.4	2.5	1.5
19	2	3	2	3	4	....	....	4	3	.4	2.5	1.5
20	2	3	2	3	4	....	....	4	3	.4	2.5	1.5
21	2	3	2	3	4	—	....	4	3	1.0	2.5	1.5
22	2	3	2	3	4	—	....	4	3	1.0	2.5	1.5
23	2	3	2	3	4	—	....	4	3	1.0	2.5	1.5
24	2	3	2	3	4	—	....	4	3	1.0	2.5	1.5
25	2	3	2	3	4	—	....	4	3	1.0	2.5	1.5
26	2	3	2	3	4	—	....	4	3	1.0	2.5	1.5
27	2	3	2	3	4	—	....	4	3	1.0	2.5	1.5
28	2	3	2	3	4	—	....	4	3	1.0	2.5	1.5
29	2	3	2	3	—	—	—	4	3	1.0	2.5	1.5
30	2	3	2	3	....	—	....	4	3	1.0	2.5	1.5
31	2	—	2	3	....	....	....	4	....	1.0	2.5	—
Mean	2	3	2	3	4	—	....	4	3	0.6	2.0	1.5
Max.	3	3	2	3	4	—	....	4	3	1.0	2.5	1.5
Min.	2	3	2	3	4	—	....	4	3	.4	1.5	1.5
A. F.	153	178	123	184	222	—	—	245	179	38.0	123.0	89.0

*No record

DISCHARGE OF SPOTTED TAIL CREEK, DRY—Sec. 28-23-56 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	68	86	54	50	45	35	30	35	30	45	90	39
2	68	86	54	50	45	35	30	35	30	25	30	36
3	68	86	54	50	45	35	30	35	30	25	30	35
4	68	86	54	50	45	35	30	35	30	85	30	36
5	68	86	54	50	45	35	30	35	28	87	31	37
6	68	86	54	50	45	30	30	35	90	42	38	36
7	68	86	54	50	45	30	25	20	69	36	32	36
8	68	86	54	50	45	30	25	20	59	30	33	36
9	68	86	54	55	45	30	25	20	71	21	32	36
10	68	86	54	55	45	30	25	20	58	26	33	30
11	68	34	54	55	40	35	25	20	75	31	35	29
12	68	34	54	55	40	35	25	20	70	48	37	28
13	68	34	54	55	40	35	25	20	66	47	38	30
14	68	34	54	55	40	35	25	20	66	47	38	28
15	68	34	54	55	40	35	25	20	69	49	38	26
16	95	34	45	55	40	35	25	15	29	31	39	27
17	95	34	45	55	40	35	25	15	52	22	34	28
18	95	34	45	55	40	35	25	15	33	23	37	29
19	95	34	45	55	40	35	25	15	32	24	40	30
20	95	34	45	55	40	35	25	15	32	26	40	30
21	95	34	45	55	40	35	25	12	34	28	40	28
22	95	34	45	55	40	25	25	12	37	31	40	28
23	95	34	45	55	40	25	35	12	43	19	44	27
24	95	34	45	55	40	25	35	12	54	34	41	26
25	95	34	45	55	40	25	35	12	45	48	35	26
26	95	34	45	50	40	25	35	25	42	54	31	27
27	95	34	45	50	40	25	35	25	39	52	36	28
28	95	34	45	50	40	25	35	25	40	58	49	28
29	95	34	45	50	....	25	35	25	37	65	49	27
30	95	34	45	50	....	25	35	25	41	42	38	26
31	95	....	45	50	....	25	....	25	....	84	45	....
Mean	82	51	49	53	42	31	29	22	48	41	39	30
Max.	95	86	54	55	45	35	35	35	90	87	90	39
Min.	68	34	45	50	40	25	25	12	28	19	30	26
A. F.	5038	3054	3035	3240	2320	1910	1710	1370	2840	2550	2390	1810

Total Acre-feet 31,270

DISCHARGE OF SPOTTED TAIL CREEK, WET, AND KRONBERG SEEP—Sec. 1-22-56 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	16	14	16	16	16	14	16	12	10	9	18
2	16	16	14	16	16	16	14	8	12	10	9	18
3	16	16	14	16	16	16	14	8	12	10	9	18
4	16	16	14	16	16	16	14	8	12	10	9	18
5	16	16	14	16	16	16	14	8	12	10	9	18
6	16	16	14	16	16	16	14	8	12	10	9	18
7	16	16	14	16	16	16	14	8	12	10	9	18
8	16	16	14	16	16	16	14	8	12	10	9	18
9	16	16	14	16	16	16	14	8	12	10	9	18
10	16	16	14	17	16	16	14	8	12	10	9	18
11	16	16	14	17	15	16	14	8	12	10	12	18
12	16	16	14	17	15	16	14	8	12	10	12	18
13	16	16	14	17	15	16	14	8	12	10	12	18
14	16	16	14	17	15	16	14	8	16	10	12	18
15	16	16	14	17	15	16	14	8	16	10	12	18
16	26	22	14	17	15	16	15	8	16	10	12	18
17	26	22	14	17	15	16	15	8	16	10	12	18
18	26	22	14	17	15	16	15	8	16	10	12	18
19	26	22	14	17	15	16	15	8	16	10	12	18
20	26	22	14	17	15	16	15	8	16	10	12	18
21	26	22	14	17	15	16	15	8	16	10	15	18
22	26	22	14	17	15	16	15	8	16	10	15	18
23	26	22	14	17	15	16	16	10	16	10	15	18
24	26	22	14	17	15	16	16	10	16	10	15	18
25	26	24	14	17	15	12	16	10	13	10	13	18
26	26	22	14	16	15	12	16	10	13	9	17	18
27	26	22	14	16	15	12	16	10	13	9	18	18
28	26	22	14	16	15	12	16	10	13	9	18	18
29	26	22	14	16	....	12	16	10	13	9	17	18
30	26	22	14	16	....	12	16	10	13	9	17	18
31	26	....	14	16	....	12	....	10	....	9	17	....
Mean	20	19	14	16	15	15	15	9	14	10	12	18
Max.	26	22	14	17	16	16	16	16	16	10	18	18
Min.	16	16	14	16	15	12	14	8	12	9	9	18
A. F.	1250	1130	861	1010	855	928	881	541	815	603	769	1070

Total Acre-feet 10,713

DISCHARGE OF STEWARTS DRAIN—Sec. 13-23-57 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	2	1	1	1	1	3	0.4	1.3	0	0.0	0.5
2	2	2	1	1	1	1	3	.4	1.3	0	.0	.5
3	2	2	1	1	1	1	3	.4	1.3	0	.0	.5
4	2	2	1	1	1	1	3	.4	1.3	0	.0	.5
5	2	2	1	1	1	1	3	.4	1.3	0	.0	.5
6	2	2	1	1	1	1	3	.4	1.3	0	.0	.3
7	2	2	1	1	1	1	3	.4	1.3	0	.0	.3
8	2	2	1	1	1	1	3	.4	1.3	0	.0	.3
9	2	2	1	1	1	1	3	.4	1.3	0	.0	.3
10	2	2	1	1	1	1	3	.4	1.3	0	.0	.3
11	2	2	1	1	1	2	2	.4	1.0	0	.0	.3
12	2	2	1	1	1	2	2	.4	1.0	0	.0	.3
13	2	2	1	1	1	2	2	.4	1.0	0	.0	.3
14	2	2	1	1	1	2	2	.4	1.0	0	.0	.3
15	2	2	1	1	1	2	2	.4	1.0	0	.0	.3
16	2	2	1	1	1	2	2	.4	.4	0	.0	.3
17	2	2	1	1	1	2	2	.4	.4	0	.0	.3
18	2	2	1	1	1	2	2	.4	.4	0	.0	.3
19	2	2	1	1	1	2	2	.4	.4	0	.0	.3
20	2	2	1	1	1	2	2	.4	.4	0	.0	.3
21	2	2	1	1	1	2	1	.5	.2	0	.5	.3
22	2	2	1	1	1	2	1	.5	.2	0	.5	.3
23	2	2	1	1	1	2	1	.5	.2	0	.5	.3
24	2	2	1	1	1	2	1	.5	.2	0	.5	.3
25	2	2	1	1	1	2	1	.5	.2	0	.5	.3
26	2	2	1	1	1	2	1	.5	.2	0	.5	.3
27	2	2	1	1	1	2	1	.5	.2	0	.5	.3
28	2	2	1	1	1	2	1	.5	.2	0	.5	.3
29	2	2	1	1	....	2	1	.5	.2	0	.5	.3
30	2	2	1	1	....	2	1	.5	.2	0	.5	.3
31	2	....	1	1	....	2	....	.5	....	0	.5	.....
Mean	2	2	1	1	1	2	2	0.4	0.7	0	0.1	0.3
Max.	2	2	1	1	1	2	3	.5	1.3	0	.5	.5
Min.	2	2	1	1	1	1	1	.4	.2	0	.0	.3
A.F.	123	119	61	61	57	103	119	26	44	0	10	20

Total Acre-feet 743

DISCHARGE OF STINKING WATER CREEK—Sec. 25-5-34 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	63	33	37	40	60	45	70	50	20	35	15	30
2	63	33	37	40	60	45	70	50	20	35	15	30
3	63	33	37	40	60	45	70	50	20	35	15	30
4	63	33	37	40	60	45	70	50	20	35	15	30
5	63	33	37	40	60	45	70	50	20	35	15	30
6	63	33	37	40	60	45	90	55	20	35	15	22
7	63	33	37	40	60	45	90	55	20	35	15	22
8	63	33	37	40	60	45	90	55	20	35	15	22
9	63	33	37	40	60	45	90	55	20	35	15	22
10	63	33	37	40	60	45	90	55	20	35	15	22
11	63	33	37	50	50	45	60	55	35	25	15	22
12	63	33	37	50	50	45	60	55	35	25	15	22
13	63	33	37	50	50	45	60	55	35	25	15	22
14	63	33	37	50	50	45	60	55	35	25	15	22
15	63	33	37	50	50	45	60	55	35	25	15	22
16	48	33	37	50	50	45	40	40	37	20	25	21
17	48	33	37	50	50	45	40	40	37	20	25	21
18	48	33	37	50	50	45	40	40	37	20	25	21
19	48	33	37	50	50	45	40	40	37	20	25	21
20	48	33	37	50	50	45	40	40	37	20	25	21
21	48	33	37	60	45	60	40	30	37	15	34	21
22	48	33	37	60	45	60	40	30	37	15	34	21
23	48	33	37	60	45	60	40	30	37	15	34	21
24	48	33	37	60	45	60	40	30	37	15	34	21
25	48	33	37	60	45	60	40	30	37	15	34	21
26	48	33	37	60	45	60	40	20	37	15	34	21
27	48	33	37	60	45	60	40	20	37	15	34	21
28	48	33	37	60	45	60	40	20	37	15	34	21
29	48	33	37	60	....	60	40	20	37	15	34	21
30	48	33	37	60	....	60	40	20	37	15	34	21
31	48	....	37	60	....	60	....	20	....	15	34	....
Mean	55	33	37	50	52	50	57	41	31	24	23	22
Max.	63	33	37	60	60	60	90	55	37	35	34	30
Min.	48	33	37	40	45	45	40	20	20	15	15	21
A.F.	3398	1964	1680	3095	2895	3095	3370	2520	1845	1470	1435	1360

Total Acre-feet 28,130

DISCHARGE OF TOOHEY DRAIN—Sec. 20-23-56 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	4	4	4	3	3	2	4	2	6	5	9
2	6	4	4	4	3	3	2	4	2	5	7	7
3	6	4	4	4	3	3	2	4	2	1	5	6
4	6	4	4	4	3	3	2	2	2	4	3	6
5	6	4	4	4	3	3	2	2	4	7	2	5
6	6	4	4	4	3	2	2	2	1	2	3	7
7	6	4	4	4	3	2	2	2	2	3	3	7
8	6	4	4	3	3	2	2	2	2	8	6	7
9	6	4	4	3	3	2	2	2	2	4	9	7
10	6	4	4	3	3	2	2	2	2	3	6	7
11	6	4	4	3	2	3	2	2	2	8	8	7
12	6	4	4	3	2	3	2	2	3	7	5	6
13	6	4	4	3	2	3	2	2	3	8	8	6
14	6	4	4	3	2	3	2	2	5	7	7	6
15	6	4	4	3	2	3	2	2	3	7	4	6
16	10	7	4	3	2	3	2	2	2	7	2	5
17	10	7	4	3	2	3	2	2	2	7	3	6
18	10	7	4	3	2	3	2	2	3	7	6	6
19	10	7	4	3	2	3	2	2	1	7	3	6
20	10	7	4	3	2	3	2	2	3	7	3	6
21	10	7	4	3	2	3	2	1	4	4	4	6
22	10	7	4	3	2	3	3	1	4	3	4	6
23	10	7	4	3	2	3	3	1	5	3	5	6
24	10	7	4	3	2	3	3	1	4	3	5	10
25	10	7	4	3	2	3	3	1	5	4	5	6
26	10	7	4	3	2	2	4	1	6	3	5	5
27	10	7	4	3	2	2	4	1	5	4	4	6
28	10	7	4	3	2	2	4	1	5	2	4	6
29	10	7	4	3	....	2	4	1	7	3	5	6
30	10	7	4	3	....	2	4	1	7	4	5	6
31	10	—	4	3	—	2	....	1	—	3	5	....
Mean	†8	†5	†4	†3	†2	†3	†2	2	3	5	5	6
Max.	10	7	4	4	3	3	4	4	7	8	8	10
Min.	6	4	4	3	2	2	2	1	1	1	2	5
A. F.	496	327	246	197	133	160	137	111	196	301	295	381

Total Acre-feet 2,980

†Estimated

DISCHARGE OF TOOHEY SPILLWAY—Sec. 19-23-56 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	25	19	20	16	16	14	13	0	0	0	0
2	33	25	19	20	16	16	14	13	0	0	0	0
3	33	25	19	20	16	16	14	13	0	0	0	0
4	33	25	19	20	16	16	14	13	0	0	0	0
5	33	25	19	20	16	16	14	13	0	0	0	0
6	33	25	19	20	16	14	14	13	0	0	0	0
7	33	25	19	20	16	14	14	13	0	0	0	0
8	33	25	19	20	16	14	14	13	0	0	0	0
9	33	25	19	20	16	14	14	13	0	0	0	0
10	33	25	19	20	16	14	14	13	0	0	0	0
11	33	25	19	20	14	18	14	100	0	0	0	0
12	33	25	19	20	14	18	14	0	0	0	0	0
13	33	25	19	20	14	18	14	0	0	0	0	0
14	33	25	19	20	14	18	14	0	0	0	0	0
15	33	25	19	20	14	18	14	0	0	0	0	0
16	21	32	19	18	14	18	14	0	0	0	0	0
17	21	32	19	18	14	18	14	0	0	0	0	0
18	21	32	19	18	14	18	14	0	0	0	0	0
19	21	32	19	18	14	18	14	0	0	0	0	0
20	21	32	19	18	14	18	14	0	0	0	0	0
21	21	32	19	18	16	18	13	0	0	0	0	0
22	21	32	19	18	16	18	13	0	0	0	0	0
23	21	32	19	18	16	18	13	0	0	0	0	0
24	21	32	19	18	16	18	13	0	0	0	0	0
25	21	32	19	18	16	18	13	0	0	0	0	0
26	21	32	19	18	16	14	13	0	0	0	0	0
27	21	32	19	18	16	14	13	0	0	0	0	0
28	21	32	19	18	16	14	13	0	0	0	0	0
29	21	32	19	18	—	14	13	0	0	0	0	0
30	21	32	19	18	—	14	13	0	0	0	0	0
31	21	....	19	18	—	14	—	0	....	0	0	—
Mean	†27	†28	†19	†19	†15	†16	†14	7	†0	0	0	0
Max.	33	32	19	20	16	18	14	100	0	0	0	0
Min.	21	25	19	18	14	14	13	0	0	0	0	0
A. F.	1648	1696	1168	1170	850	996	815	455	0	0	0	0

Total Acre-feet 8,806

†Estimated

DISCHARGE OF TUB SPRINGS—Sec. 8-22-55 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	98	62	55	50	40	35	35	16	24	24	9	20
2	98	62	55	50	40	35	35	16	24	24	9	23
3	98	62	55	50	40	35	35	16	24	25	10	17
4	98	62	55	50	40	35	35	16	25	40	9	60
5	98	62	55	50	40	35	35	16	62	55	10	10
6	98	62	55	50	40	30	35	18	36	24	9	34
7	98	62	55	50	40	30	35	18	80	20	10	20
8	98	62	55	50	40	30	35	18	53	22	10	15
9	98	62	55	50	40	30	35	18	26	19	11	10
10	98	62	55	50	40	30	35	18	24	19	10	11
11	98	62	55	45	40	33	35	22	25	19	10	11
12	98	62	55	45	40	33	35	22	68	19	9	11
13	98	62	55	45	40	33	35	22	70	24	9	28
14	98	62	55	45	40	33	35	22	70	23	9	11
15	98	62	55	45	40	33	35	22	72	17	9	11
16	68	59	55	45	40	30	30	22	74	20	10	10
17	68	59	55	45	40	30	30	22	41	17	10	10
18	68	59	55	45	40	30	30	22	8	8	9	35
19	68	59	55	45	40	30	30	18	100	9	9	17
20	68	59	55	45	40	30	30	18	100	9	10	40
21	68	59	55	45	40	30	30	18	100	9	9	20
22	68	59	55	45	40	30	30	18	100	9	9	17
23	68	59	55	45	40	30	25	13	108	9	10	22
24	68	59	55	45	40	30	25	13	80	9	9	17
25	68	59	55	45	40	30	25	13	60	9	10	36
26	68	59	55	45	40	27	25	12	39	9	10	35
27	68	59	55	45	40	27	25	12	35	9	10	35
28	68	59	55	45	40	27	25	12	31	9	10	36
29	68	59	55	45	—	27	25	12	31	9	10	38
30	68	59	55	45	—	27	25	20	17	9	10	35
31	68	....	55	45	—	27	—	26	....	9	10	—
Mean	82	62	55	46	40	31	†31	†18	54	17	10	23
Max.	98	62	55	50	40	35	35	22	108	55	10	40
Min.	68	59	55	45	40	27	25	12	17	8	9	10
A.F.	5070	3590	3380	2870	2220	1880	1860	1080	3190	1060	590	1380

Total Acre-feet 28,170

†Estimated

DISCHARGE OF WHITE RIVER BELOW WHITNEY PIPE LINE—Sec. 26-32-52 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	2	24	2	2	4	9	3
2	—	....	....	....	**0	2	24	8	4	4	9	2
3	—	—	....	....	—	2	25	3	3	3	8	2
4	—	—	—	....	....	3	24	2	3	3	8	2
5	....	—	....	—	....	3	24	2	3	3	8	2
6	—	—	....	—	....	6	24	23	9	3	9	2
7	—	**0	....	....	—	10	23	23	4	3	11	2
8	....	—	....	—	—	3	23	23	4	3	6	3
9	—	....	—	—	—	28	23	23	4	0	4	3
10	—	....	—	....	—	5	23	23	3	0	4	3
11	—	....	—	....	—	6	22	23	4	0	4	3
12	....	....	....	—	—	6	22	23	3	0	4	3
13	—	....	—	....	—	9	22	24	3	0	4	3
14	—	....	—	—	....	5	23	24	3	0	4	4
15	—	....	—	....	—	5	3	18	9	0	4	4
16	—	....	....	—	—	4	2	18	6	0	8	4
17	—	....	—	....	—	3	2	18	6	4	8	4
18	—	....	—	....	—	6	2	18	4	3	2	4
19	**8	....	—	—	....	7	2	19	4	3	3	8
20	—	....	—	....	—	7	2	19	3	4	3	8
21	....	—	....	—	....	8	2	19	2	4	3	8
22	—	....	—	....	—	12	2	20	2	4	3	14
23	—	....	....	—	....	12	2	12	2	4	9	11
24	—	....	—	....	—	12	2	3	2	3	4	13
25	....	—	—	—	....	12	2	2	2	3	2	12
26	—	....	—	—	4	10	2	2	2	3	2	6
27	—	....	—	....	4	7	2	2	2	3	3	4
28	—	....	—	—	4	7	2	2	2	4	3	4
29	....	....	—	....	—	10	2	2	2	6	4	4
30	—	....	—	—	—	11	2	2	2	6	4	4
31	—	....	—	....	—	15	....	2	—	9	4	—
Mean	—	....	—	....	—	8	12	13	4	3	5	5
Max.	....	—	—	—	—	28	25	24	9	9	11	14
Min.	—	....	—	....	—	2	2	2	2	0	2	2
A.F.	—	....	—	—	—	473	714	799	208	178	319	298

*No record

**Actual measurements

DISCHARGE OF WHITE RIVER AT CRAWFORD—Sec. 10-31-52 W.

Year Ending September 30, 1931

U. S. G. S. Measurements

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	31	30	28	25	18	14	12
2	—	—	—	—	—	32	31	39	24	18	14	12
3	—	—	—	—	—	32	30	30	24	18	13	12
4	—	—	—	—	—	32	31	31	23	18	12	12
5	—	—	—	—	—	33	33	34	25	18	12	11
6	—	—	—	—	—	30	31	32	26	18	13	9
7	—	—	—	—	—	50	31	32	24	18	15	9
8	—	—	—	—	—	23	30	31	23	18	13	9
9	—	—	—	—	—	51	30	31	21	16	15	9
10	—	—	—	—	—	33	30	31	23	16	15	9
11	—	—	—	—	—	33	30	28	26	16	15	9
12	—	—	—	—	—	32	30	30	24	16	12	9
13	—	—	—	—	—	36	30	30	24	16	11	9
14	—	—	—	—	—	32	29	28	23	15	13	9
15	—	—	—	—	—	28	29	28	79	15	14	9
16	—	—	—	33	—	30	29	27	27	14	93	11
17	—	—	—	—	—	30	29	27	27	14	93	11
18	—	—	—	—	—	30	29	28	22	13	20	11
19	—	—	—	—	—	30	29	28	21	13	16	11
20	—	—	—	—	—	30	29	28	20	15	16	11
21	—	—	—	—	—	28	29	28	20	14	16	11
22	—	—	—	—	—	32	29	27	20	13	16	11
23	—	—	—	—	—	31	30	27	20	12	34	12
24	—	—	—	—	—	30	30	26	20	12	18	14
25	—	—	—	—	32	30	30	26	20	12	11	14
26	—	—	—	—	32	30	28	27	20	12	11	14
27	—	—	—	—	31	20	28	33	20	12	11	14
28	—	—	—	—	31	22	28	31	20	12	11	14
29	—	—	—	—	—	24	28	31	18	12	11	14
30	—	—	—	—	—	27	28	32	18	12	11	14
31	—	—	—	—	—	27	—	27	—	12	11	—
Mean	—	—	—	—	—	31	30	30	24	15	19	11
Max.	—	—	—	—	—	51	33	39	79	18	93	14
Min.	—	—	—	—	—	20	28	26	18	12	11	9
A.F.	—	—	—	—	—	1900	1760	1810	1440	910	1190	666

*No record

DISCHARGE OF WHITE RIVER AT CHADRON—Sec. 18-33-49 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	0.7	17.0	4.0	6.0	4.0
2	—	—	—	—	—	—	—	32.0	17.0	2.0	2.0	2.0
3	—	—	—	—	—	—	—	20.0	20.0	5.0	6.0	4.0
4	—	—	—	—	—	—	—	12.0	23.0	9.0	6.0	2.0
5	—	—	—	—	—	—	—	4.0	23.0	6.0	4.0	1.0
6	—	—	—	—	—	—	—	14.0	26.0	2.0	9.0	1.0
7	—	—	—	—	—	—	—	14.0	12.0	.7	14.0	1.0
8	—	—	—	—	—	—	—	17.0	9.0	2.0	12.0	1.0
9	—	—	—	—	—	—	—	26.0	9.0	.7	6.0	1.0
10	—	—	—	—	—	—	—	23.0	12.0	2.0	2.0	.0
11	—	—	—	—	—	—	—	23.0	42.0	.7	4.0	.0
12	—	—	—	—	—	—	—	26.0	41.0	.7	2.0	.0
13	—	—	—	—	—	—	—	26.0	23.0	.7	.7	.0
14	—	—	—	—	—	—	41.0	23.0	17.0	.7	.4	.0
15	—	—	—	—	—	—	41.0	23.0	14.0	.4	.7	.0
16	—	—	—	**17.0	—	—	36.0	17.0	44.0	.4	35.0	.0
17	—	—	—	—	—	—	23.0	12.0	20.0	.4	*	.0
18	—	—	—	—	—	—	14.0	9.0	9.0	.4	—	.0
19	—	—	—	—	—	—	20.0	6.0	12.0	.4	—	.0
20	—	—	—	—	—	—	14.0	9.0	6.0	.7	—	12.0
21	—	—	—	—	—	—	9.0	9.0	6.0	.7	—	9.0
22	—	—	—	—	—	—	4.0	20.0	12.0	4.0	—	9.0
23	—	—	—	—	—	—	4.0	23.0	6.0	2.0	—	12.0
24	—	—	—	—	—	—	2.0	20.0	4.0	.7	—	17.0
25	—	—	—	—	—	—	2.0	23.0	.7	.7	—	23.0
26	—	—	—	—	**48.0	—	2.0	20.0	2.0	.4	—	13.0
27	—	—	—	—	—	—	.7	17.0	6.0	.4	—	8.0
28	—	—	—	—	—	—	.4	14.0	9.0	.2	—	3.0
29	—	—	—	—	—	—	.4	14.0	6.0	.0	—	.4
30	—	—	—	—	—	—	.4	17.0	4.0	.0	—	.3
31	—	—	—	—	—	—	—	14.0	—	4.0	—	—
Mean	—	—	—	—	—	—	12.6	17.0	15.1	1.7	—	4.0
Max.	—	—	—	—	—	—	41.0	32.0	42.0	9.0	—	23.0
Min.	—	—	—	—	—	—	.4	.7	.7	.0	—	.0
A.F.	—	—	—	—	—	—	425.0	1050.0	898.0	103.0	—	246.0

*No record

**Actual measurements

DISCHARGE OF WHITE HORSE CREEK—Sec. 5-13-29 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	25	32	21	31	18	18	19	9	4	1	2
2	22	25	32	21	31	18	18	19	9	4	1	2
3	22	25	32	21	31	18	18	19	9	4	1	2
4	22	25	32	21	31	18	18	19	9	4	1	2
5	22	25	32	21	31	18	18	19	9	4	2	2
6	22	25	32	21	31	18	18	19	9	7	2	2
7	22	25	32	21	31	18	18	19	9	7	2	2
8	22	25	32	21	31	18	18	19	9	7	2	2
9	22	25	32	21	31	18	18	19	9	7	2	2
10	22	25	32	21	31	18	18	19	9	7	2	2
11	21	25	32	20	25	18	18	19	9	4	2	2
12	21	25	32	20	25	18	18	19	9	4	4	2
13	21	25	32	20	25	18	18	19	9	5	4	2
14	21	25	32	20	25	18	18	19	9	6	3	2
15	21	25	32	20	25	18	18	19	9	4	3	2
16	21	35	32	20	25	18	19	10	8	4	3	4
17	21	35	32	20	25	18	19	10	8	4	3	4
18	21	35	32	20	25	18	19	10	8	4	3	4
19	21	35	32	20	25	18	19	10	8	4	3	4
20	21	35	32	20	25	18	19	10	8	4	3	4
21	21	35	32	25	20	18	19	10	8	4	3	5
22	21	35	32	25	20	18	19	10	8	3	3	5
23	21	35	32	25	20	18	19	10	8	3	3	5
24	28	35	32	25	20	18	19	10	8	3	3	5
25	28	35	32	25	20	18	19	10	8	2	3	5
26	28	44	32	25	20	18	19	9	6	2	4	6
27	28	44	32	25	20	18	19	9	6	2	4	6
28	28	44	32	25	20	18	19	9	6	2	4	6
29	28	44	32	25	....	18	19	9	6	1	2	6
30	28	44	32	25	....	18	19	9	6	1	2	6
31	28	—	32	25	—	18	....	9	—	1	2	—
Mean	†23	†31	†32	†22	†26	†18	†18	†14	†8	4	3	3
Max.	28	44	32	25	31	18	19	19	9	7	4	6
Min.	21	25	32	20	20	18	18	9	6	1	1	2
A. F.	1422	1874	1967	1360	1430	1105	1100	870	485	242	159	208

Total Acre-feet 12,220

†Estimated

DISCHARGE OF WHITE TAIL CREEK—Sec. 26-15-38 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	41	41	38	35	35	35	35	22	45	37	34
2	33	41	41	38	35	35	35	35	22	41	29	33
3	33	41	41	38	35	35	35	35	22	39	13	24
4	33	41	41	38	35	35	35	35	22	38	15	32
5	33	41	41	38	35	35	35	35	22	36	15	33
6	33	41	41	38	35	35	35	35	23	32	15	32
7	33	41	41	38	35	35	35	35	23	33	19	29
8	33	41	41	38	35	35	35	35	23	29	19	29
9	33	41	41	38	35	35	35	35	23	36	24	32
10	33	41	41	38	35	35	35	35	23	20	19	32
11	33	41	41	38	35	35	35	35	20	19	15	29
12	33	41	41	38	35	35	35	35	20	19	14	32
13	33	41	41	38	35	35	35	35	20	21	13	29
14	33	41	41	38	35	35	35	35	20	29	14	29
15	33	41	41	38	35	35	35	35	20	37	13	36
16	39	41	41	38	35	35	35	35	15	34	13	33
17	39	41	41	38	35	35	35	35	15	34	15	36
18	39	41	41	38	35	35	35	35	15	30	16	36
19	39	41	41	38	35	35	35	35	15	33	21	36
20	39	41	41	38	35	35	35	35	15	30	25	34
21	39	41	41	36	35	35	35	35	15	28	27	29
22	39	41	41	36	35	35	35	35	15	27	24	32
23	39	41	41	36	35	35	35	35	15	29	33	33
24	39	41	41	36	35	35	35	35	11	27	27	48
25	39	41	41	36	35	35	35	35	19	23	29	32
26	39	41	41	36	35	35	35	35	15	29	23	36
27	39	41	41	36	35	35	35	35	11	27	24	19
28	39	41	41	36	35	35	35	35	11	32	24	13
29	39	41	41	36	—	35	35	35	19	27	27	17
30	39	41	41	36	....	35	35	35	15	24	25	17
31	39	—	41	36	—	35	....	35	....	19	29	—
Mean	†36	†41	†41	†37	†35	†35	†35	†35	†18	30	21	30
Max.	39	41	41	38	35	35	35	35	23	45	37	48
Min.	33	41	41	37	35	35	35	35	11	19	13	17
A. F.	2220	2440	2521	2290	1940	2150	2080	2150	1080	1840	1300	1810

Total Acre-feet 23,820

†Estimated

DISCHARGE OF WILD HORSE DRAIN—Sec. 1-20-52 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	126	61	53	50	42	30	25	35	30	51	47	65
2	126	61	53	50	42	30	25	35	30	52	48	64
3	126	61	53	50	42	30	25	35	30	53	50	69
4	126	61	53	50	42	30	25	35	30	54	52	73
5	126	61	53	50	42	30	25	35	30	55	53	78
6	126	61	53	50	42	25	25	30	30	56	52	76
7	126	61	53	50	42	25	25	30	30	57	51	75
8	126	61	53	50	42	25	25	30	30	58	50	74
9	126	61	53	50	42	25	25	30	35	59	55	72
10	126	61	53	50	42	25	25	30	40	60	55	72
11	100	61	53	48	40	30	20	20	48	61	50	71
12	100	61	53	48	40	30	20	20	58	59	49	59
13	100	61	53	48	40	30	20	20	66	57	49	62
14	100	61	53	48	40	30	20	20	57	55	48	65
15	100	61	53	48	40	30	20	20	47	54	48	68
16	75	49	53	48	40	30	20	20	38	54	48	72
17	75	49	53	48	40	30	20	20	43	54	48	74
18	75	49	53	48	40	30	20	20	42	53	49	76
19	75	49	53	48	40	30	20	20	41	53	49	77
20	75	49	53	48	40	30	20	20	40	51	50	77
21	58	49	53	45	36	25	25	25	44	50	55	77
22	58	49	53	45	36	25	25	25	48	48	64	76
23	58	49	53	45	36	25	25	25	52	51	63	76
24	58	49	53	45	36	25	25	25	56	55	62	76
25	58	49	53	45	36	25	25	25	53	58	60	76
26	58	49	53	45	36	20	25	25	50	56	59	76
27	58	49	53	45	36	20	25	25	48	54	62	76
28	58	49	53	45	36	20	25	25	48	52	65	76
29	58	49	53	45	—	20	25	25	49	50	68	76
30	58	49	53	45	—	20	25	25	50	49	67	76
31	58	—	53	45	—	20	—	25	—	48	66	—
Mean	†89	†55	†53	†48	†40	†26	23	26	43	54	55	73
Max.	126	61	53	50	42	30	25	35	66	61	68	78
Min.	58	49	53	45	36	20	20	20	30	48	47	59
A. F.	5500	3273	3259	2930	2200	1530	1390	1590	2560	3330	3360	4330

Total Acre-feet 35,350

†Estimated

DISCHARGE OF WILLOW CREEK AT SARBEN—Sec. 15-14-35 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	2	2	1	1	2	2	1	1	1	1
2	1	1	2	2	1	1	2	2	1	1	1	1
3	1	1	2	2	1	1	2	2	1	1	1	1
4	1	1	2	2	1	1	2	2	1	1	1	1
5	1	1	2	2	1	1	2	2	1	1	1	1
6	1	1	2	2	1	1	2	1	1	2	1	1
7	1	1	2	2	1	1	2	1	1	2	1	1
8	1	1	2	2	1	1	2	1	1	2	1	1
9	1	1	2	2	1	1	2	1	1	2	1	1
10	1	1	2	2	1	1	2	1	1	2	1	1
11	1	1	2	2	1	1	1	1	1	1	1	1
12	1	1	2	2	1	1	1	1	1	1	1	1
13	1	1	2	2	1	1	1	1	1	1	1	1
14	1	1	2	2	1	1	1	1	1	1	1	1
15	1	1	2	2	1	1	1	1	1	1	1	1
16	0	1	1	2	1	1	1	1	1	0	1	1
17	0	1	1	2	1	1	1	1	1	0	1	1
18	0	1	1	2	1	1	1	1	1	0	1	1
19	0	1	1	2	1	1	1	1	1	0	1	1
20	0	1	1	2	1	1	1	1	1	0	1	1
21	0	1	1	1	1	1	1	1	1	0	1	1
22	0	1	1	1	1	1	1	1	1	0	1	1
23	0	1	1	1	1	1	1	1	1	0	1	1
24	0	1	1	1	1	1	1	1	1	0	1	1
25	0	1	1	1	1	1	1	1	1	0	1	1
26	0	1	1	1	1	1	1	1	1	0	1	1
27	0	1	1	1	1	1	1	1	1	0	1	1
28	0	1	1	1	1	1	1	1	1	0	1	1
29	0	1	1	1	—	1	1	1	1	0	1	1
30	0	1	1	1	—	1	1	1	1	0	1	1
31	0	—	1	1	—	1	—	1	—	0	1	—
Mean	1	1	1	2	1	1	1	1	1	0.6	1	1
Max.	1	1	2	2	1	1	2	2	1	2	1	1
Min.	0	1	1	1	1	1	1	1	1	0	1	1
A. F.	30	59	91	98	56	61	77	74	60	37	61	60

Total Acre-feet 764

Entire record estimated

DISCHARGE OF WINTERS CREEK—Sec. 19-22-54 W.

Year Ending September 30, 1931

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	129	84	74	70	65	50	40	48	40	37	50	104
2	129	84	74	70	65	50	40	48	40	44	88	98
3	129	84	74	70	65	50	40	48	40	37	49	98
4	129	84	74	70	65	50	40	48	40	43	49	112
5	129	84	74	70	65	50	40	48	40	49	49	88
6	129	84	74	70	65	50	40	48	40	40	55	117
7	129	84	74	70	65	50	40	48	40	84	51	70
8	129	84	74	70	65	50	40	48	40	49	49	66
9	129	84	74	70	65	50	40	48	40	49	50	85
10	129	84	74	70	65	50	40	48	49	49	52	79
11	129	84	74	61	70	40	40	48	35	49	52	67
12	129	84	74	61	70	40	40	48	25	49	51	87
13	129	84	74	61	70	40	40	48	23	49	54	88
14	129	84	74	61	70	40	40	48	36	48	66	98
15	129	84	74	61	70	70	40	48	36	48	59	98
16	94	74	74	60	70	70	45	48	23	49	55	88
17	94	74	74	60	70	70	45	48	26	48	65	110
18	94	74	74	60	70	40	45	48	28	50	55	77
19	94	74	74	60	70	40	45	48	27	51	49	91
20	94	74	74	60	70	40	45	48	49	50	54	85
21	94	74	74	65	60	40	45	40	46	49	54	88
22	94	74	74	65	60	40	45	40	44	50	54	119
23	94	74	74	65	60	40	45	40	34	51	54	107
24	94	74	74	65	60	40	45	40	34	50	54	151
25	94	74	74	65	60	40	45	40	34	49	58	129
26	94	74	74	65	60	35	45	40	37	50	56	118
27	94	14	74	65	60	35	45	40	41	50	55	124
28	94	14	74	65	60	35	45	40	45	48	58	111
29	94	14	14	65	—	35	45	40	40	51	59	104
30	94	74	14	65	—	35	45	40	34	51	54	98
31	94	....	14	65	—	35	—	40	—	49	60	—
Mean	110	79	74	65	65	42	42	45	33	49	55	98
Max.	129	84	74	70	70	50	45	48	49	84	88	151
Min.	94	74	14	60	60	35	40	40	23	37	49	66
A.F.	18720	4700	4550	4000	3630	2600	2530	2780	2200	3010	3410	5860

Total Acre-feet 57,990

DISCHARGE OF ARICKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	30	15	41	12	13	39	21
2	—	....	—	—	—	30	15	37	6	11	675	21
3	—	—	....	—	—	28	15	28	16	6	128	15
4	—	—	....	—	....	30	15	28	49	8	56	14
5	....	—	....	—	—	26	15	28	34	15	42	13
6	—	....	—	—	....	28	15	26	26	6	28	8
7	—	—	....	—	—	26	15	32	26	6	28	8
8	—	—	....	—	....	24	15	28	24	4	27	6
9	—	—	....	—	—	22	15	24	18	4	22	3
10	—	....	—	—	....	18	15	22	21	2	21	3
11	—	—	....	—	—	20	15	22	52	3	17	3
12	—	—	....	—	—	28	15	22	34	2	14	3
13	2	—	....	—	—	30	15	22	27	3	133	3
14	—	—	....	—	—	32	15	22	13	1	26	1
15	618	—	—	27	....	39	15	22	13	.4	14	1
16	—	—	—	....	—	62	15	22	13	.4	12	1
17	—	....	—	—	....	58	15	21	13	.4	16	3
18	—	....	—	—	—	41	18	16	10	.2	14	3
19	—	18	—	....	—	30	22	15	73	.2	16	3
20	—	—	—	....	—	30	18	16	27	.1	21	6
21	—	....	—	....	....	28	16	18	21	.0	18	8
22	—	....	—	—	—	34	15	15	18	.2	16	8
23	—	—	....	—	....	30	18	15	13	.2	15	8
24	—	—	—	....	—	26	34	15	13	6	10	11
25	—	....	—	—	....	24	49	16	13	9	6	11
26	—	....	—	—	—	26	44	24	84	13	4	35
27	—	—	....	—	....	21	47	30	30	6	1200	17
28	—	—	—	....	—	18	51	34	33	4	21	9
29	—	...	—	—	....	16	44	34	30	206	21	6
30	—	....	—	—	—	15	44	30	18	84	21	3
31	—	—	....	—	....	15	—	21	—	44	21	—
Mean	....	—	—	—	—	29	23	24	26	15	87	9
Max.	—	....	—	....	....	62	51	41	84	206	1200	35
Min.	—	—	—	—	....	15	15	15	6	0	4	1
A.F.	—	—	....	—	...	1750	1340	1480	1550	910	5360	506

Total Acre-feet 12,900

*No record.

DISCHARGE OF BALD DRAIN—Sec. 32-23-56 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	1	1	1	1	2	2	3	5	3	35	12
2	2	1	1	1	1	2	2	3	5	4	31	15
3	2	1	1	1	1	2	2	3	5	7	29	17
4	2	1	1	1	1	2	2	3	5	10	27	19
5	2	1	1	1	1	2	2	3	5	10	25	22
6	2	1	1	1	1	1	2	2	8	8	23	25
7	2	1	1	1	1	1	2	2	8	4	21	28
8	2	1	1	1	1	1	2	2	8	5	19	30
9	2	1	1	1	1	1	2	2	8	4	17	30
10	2	1	1	1	1	1	2	2	8	4	15	30
11	2	1	1	1	1	2	2	2	10	3	13	31
12	2	1	1	1	1	2	2	2	10	4	11	31
13	2	1	1	1	1	2	2	2	10	7	9	30
14	2	1	1	1	1	2	2	2	10	7	8	28
15	2	1	1	1	1	2	2	2	10	7	8	26
16	1	1	1	1	2	2	2	5	10	9	8	24
17	1	1	1	1	2	2	2	5	10	8	7	24
18	1	1	1	1	2	2	2	5	10	10	8	24
19	1	1	1	1	2	2	2	5	15	8	9	24
20	1	1	1	1	2	2	2	5	15	5	9	24
21	1	1	1	1	2	2	4	10	15	6	10	24
22	1	1	1	1	2	2	4	10	20	8	10	24
23	1	1	1	1	2	2	4	10	20	8	10	22
24	1	1	1	1	2	2	4	10	25	8	10	22
25	1	1	1	1	2	2	4	10	16	12	9	20
26	1	1	1	1	2	2	4	8	8	17	9	20
27	1	1	1	1	2	2	4	8	6	21	9	22
28	1	1	1	1	2	2	4	8	6	26	8	23
29	1	1	1	1	2	2	4	8	3	25	8	23
30	1	1	1	1	----	2	4	8	3	24	8	23
31	1	---	1	1	----	2	---	8	---	30	8	---
Mean	1	1	1	1	1	2	3	5	10	10	14	24
Max.	2	1	1	1	2	2	4	10	25	30	35	31
Min.	1	1	1	1	1	1	2	2	5	3	7	12
A.F.	91	60	61	61	85	113	159	313	589	619	855	1422

Total Acre-feet 4,428

DISCHARGE OF BAYARD SUGAR FACTORY DRAIN—Sec. 4-20-52 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	75	52	52	46	37	35	34	33	50	34	50	84
2	75	52	52	46	40	35	34	33	39	32	50	84
3	75	52	52	46	44	35	34	31	33	33	47	84
4	75	52	52	46	39	35	34	31	27	33	47	84
5	75	52	52	46	43	35	34	31	24	33	64	84
6	70	52	52	44	43	34	33	30	7	32	47	80
7	70	52	52	44	38	34	33	29	7	26	64	88
8	70	52	52	44	37	34	31	30	7	28	72	96
9	70	52	52	44	36	34	31	29	4	25	72	80
10	70	52	52	44	38	34	31	27	5	25	57	68
11	65	52	50	42	39	35	30	28	5	37	43	100
12	65	52	50	42	39	35	30	28	10	37	42	92
13	65	52	50	42	39	35	30	28	16	38	80	92
14	65	52	50	42	37	35	30	27	17	39	64	92
15	65	52	50	42	37	35	30	28	34	28	68	92
16	60	52	50	42	36	35	30	27	50	31	60	88
17	60	52	50	42	36	35	30	42	50	64	57	92
18	60	52	50	42	36	35	30	37	57	64	57	100
19	60	52	50	42	37	35	28	34	68	64	72	100
20	60	52	50	42	39	36	28	30	68	32	68	92
21	55	52	48	40	37	35	26	50	57	32	68	88
22	55	52	48	40	34	35	25	42	25	33	64	92
23	55	52	48	40	34	35	37	41	22	36	64	92
24	55	52	48	40	33	33	40	42	22	33	72	100
25	55	52	48	40	36	34	40	35	21	33	64	96
26	53	52	48	40	34	35	36	50	19	37	80	96
27	53	52	48	40	34	35	34	54	19	37	84	92
28	53	52	48	40	36	36	36	64	23	34	88	88
29	53	52	48	40	37	35	37	68	18	37	84	92
30	53	52	48	39	---	35	37	68	57	37	84	100
31	53	---	48	39	----	35	---	60	---	44	84	---
Mean	63	52	50	42	37	35	32	38	29	36	65	90
Max.	75	52	52	46	44	36	40	68	68	64	88	100
Min.	53	52	48	39	33	33	25	27	4	25	42	68
A.F.	3870	3090	3070	2580	2150	2140	1930	2360	1710	2240	4000	5370

Total Acre-feet 34,510

DISCHARGE OF BAZILLE CREEK AT NIOBRARA

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	100	70	52	182	30	*	*
2	—	—	....	—	—	100	66	47	140	34	—	—
3	....	—	—	—	—	100	69	46	144	55	—	....
4	—	—	....	....	....	100	69	45	108	64	....	—
5	....	....	....	—	....	100	66	46	75	41	—	—
6	—	—	—	....	—	50	58	108	91	40	....	—
7	—	34	—	—	....	50	48	121	72	68	—	....
8	....	....	—	....	—	50	53	72	118	42	....	—
9	23	—	—	32	29	50	48	58	118	35	....	—
10	25	....	—	—	—	50	52	52	297	*	—	....
11	—	....	—	....	....	50	57	52	279	—	....	—
12	—	....	—	—	—	50	50	48	158	—	....	—
13	....	—	....	....	—	50	52	44	417	....	127	—
14	—	—	....	—	....	60	53	41	237	25	*	....
15	—	....	—	....	....	70	50	39	121	*	—	....
16	....	—	—	—	—	110	51	40	98	....	—	....
17	—	....	....	—	....	110	52	40	91	—	—	....
18	—	....	—	—	—	110	52	41	78	—	....	....
19	—	33	—	....	—	110	57	45	72	....	....	—
20	....	....	—	—	—	110	58	37	65	—	....	—
21	—	....	....	—	....	66	52	31	58	—	—	—
22	....	—	—	—	—	64	47	33	58	....	—	—
23	—	—	....	—	....	68	55	29	53	....	—	—
24	....	....	—	—	—	89	58	32	53	—	....	—
25	—	....	....	....	....	164	53	69	88	—	—	—
26	....	—	—	—	—	119	53	582	50	....	....	—
27	27	—	—	....	—	89	53	116	42	....	....	—
28	—	....	....	—	—	78	52	61	46	—	—	....
29	—	....	....	—	....	85	50	37	38	—	....	—
30	—	—	—	—	....	78	51	34	36	....	—	—
31	....	—	....	—	....	64	....	424	—	—	—	....
Mean	....	—	—	—	....	82	55	81	116	....	—	—
Max.	—	....	....	—	....	164	70	582	417	—	....	—
Min.	—	....	—	—	—	50	47	29	36	—	....	—
A. F.	....	—	....	—	....	5050	3260	5010	6900	....	—	—

*No record.

DISCHARGE OF BIRDWOOD CREEK AT HERSHEY—Sec. 2-14-33 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	157	170	185	175	150	180	195	160	131	112	160	131
2	157	170	185	175	150	180	181	160	125	115	141	141
3	144	170	185	175	150	180	178	160	120	141	141	141
4	157	170	185	175	150	180	188	160	120	118	134	174
5	144	170	185	175	150	180	188	154	120	107	138	178
6	128	170	185	165	170	180	181	154	112	120	144	181
7	128	170	185	165	170	180	178	147	105	115	134	178
8	128	170	185	165	170	180	184	154	110	115	134	184
9	128	170	185	165	170	180	181	147	112	128	134	157
10	154	170	185	165	170	180	184	154	170	115	144	170
11	154	175	185	165	170	180	174	154	259	123	141	181
12	154	175	185	165	170	180	178	150	195	118	138	199
13	160	175	185	165	170	180	174	147	134	115	280	174
14	154	175	185	165	170	180	170	150	134	112	195	178
15	154	175	185	165	170	180	164	147	141	110	147	170
16	154	175	205	165	170	219	164	160	134	141	141	164
17	147	175	205	165	170	192	174	150	192	141	141	154
18	154	175	205	165	170	203	207	150	160	150	138	147
19	141	175	205	165	170	199	203	138	275	107	141	157
20	154	175	205	165	170	219	192	118	199	115	141	144
21	154	175	200	160	180	195	195	128	157	98	123	167
22	154	175	200	160	180	178	192	138	138	105	123	164
23	154	175	200	160	180	178	227	118	131	141	105	164
24	154	175	200	160	180	164	227	112	138	164	91	157
25	154	175	200	150	180	192	199	125	128	170	98	157
26	160	185	190	150	180	181	167	251	134	154	110	192
27	154	185	190	150	180	203	164	181	141	138	219	184
28	170	185	190	150	180	199	191	154	134	110	164	174
29	184	185	190	150	180	195	191	157	131	107	160	178
30	192	185	190	150	.....	203	199	154	110	128	128	178
31	178	.....	190	150	.....	211	.....	157	.....	184	141	.....
Mean	154	175	192	163	170	188	186	151	146	126	144	167
Max.	192	185	205	175	180	219	227	251	275	184	280	199
Min.	128	170	185	150	150	164	164	112	105	98	91	131
A. F.	9470	10400	11800	10000	9780	11600	11100	9280	8690	7750	8850	9940

Total Acre-feet 118,660

DISCHARGE OF BLUE CREEK AT LEWELLEN—Sec. 30-16-42 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	90	141	120	110	110	122	116	22	58	2	8
2	74	88	140	120	110	105	122	122	16	53	1	16
3	73	90	140	120	110	110	122	116	4	50	1	23
4	74	90	140	120	110	110	122	116	5	38	1	25
5	70	90	140	120	110	100	122	122	6	19	1	27
6	74	100	135	110	120	100	122	116	5	3	1	28
7	74	100	135	110	120	100	122	110	3	1	5	26
8	74	100	135	110	120	100	128	110	2	3	4	28
9	74	100	135	110	120	100	122	116	1	5	1	28
10	74	100	135	110	120	100	122	110	14	5	1	28
11	79	110	135	110	120	110	122	105	94	2	1	31
12	74	110	135	107	120	110	122	105	146	1	1	32
13	74	110	135	110	120	110	122	94	116	1	208	30
14	74	110	135	110	120	120	110	84	89	1	116	29
15	74	110	135	110	120	130	105	84	64	1	74	26
16	74	120	137	120	120	140	100	79	74	3	60	24
17	84	120	135	120	120	122	94	74	128	7	49	23
18	79	120	135	120	120	116	100	74	122	8	40	21
19	79	120	135	120	120	116	100	62	128	8	36	22
20	74	120	135	120	120	122	94	62	128	6	35	20
21	74	110	135	125	120	116	79	57	105	2	29	18
22	79	110	135	125	120	116	89	48	100	3	17	20
23	79	110	135	125	121	116	236	30	94	8	13	25
24	74	110	135	125	120	116	295	8	94	7	8	30
25	74	110	135	125	120	116	153	8	84	4	5	31
26	74	120	130	128	115	116	128	24	74	2	13	33
27	74	120	130	120	115	116	122	26	79	1	84	36
28	74	120	130	120	115	116	140	49	89	1	84	35
29	74	120	130	120	115	122	134	61	84	4	60	39
30	84	120	130	120	.....	116	116	64	70	5	47	39
31	84	.....	130	120	.....	116	.....	52	.....	2	23	.....
Mean	76	108	135	118	118	113	125	78	68	10	33	27
Max.	84	120	141	128	121	140	295	122	146	58	208	39
Min.	70	88	130	107	110	100	79	8	1	1	1	8
A. F.	4640	6430	8300	7260	6790	6950	7500	4770	4050	621	2020	1590

Total Acre-feet 60,921

DISCHARGE OF BLUE RIVER, LITTLE, AT ENDICOTT—Sec. 3-1-3 E.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	188	114	199	155	130	851	188	158	161	128	124	215
2	207	120	188	148	140	682	184	150	821	113	142	144
3	211	119	188	136	150	558	175	155	2980	109	128	126
4	179	119	182	144	149	474	172	155	1490	168	305	120
5	155	120	173	145	110	422	170	145	1040	660	318	113
6	147	123	173	113	140	358	168	152	855	492	217	112
7	139	126	172	124	180	292	168	292	625	209	168	110
8	138	126	165	130	150	188	165	289	862	240	138	112
9	130	127	170	155	170	175	155	182	784	175	144	112
10	132	128	170	177	228	170	158	165	374	165	134	107
11	397	124	217	190	755	200	160	161	344	158	127	109
12	330	133	226	200	847	210	158	155	615	155	161	120
13	574	128	220	180	372	230	161	153	542	148	138	124
14	289	130	201	150	228	264	156	145	453	147	542	133
15	203	180	188	110	211	279	158	152	456	144	532	166
16	186	170	180	140	257	327	152	148	372	136	279	123
17	161	156	172	160	419	297	148	150	302	152	224	116
18	150	153	166	153	352	289	160	147	276	282	197	109
19	148	139	155	161	338	272	158	142	252	128	180	105
20	144	160	156	163	318	262	163	140	231	114	170	105
21	134	175	163	160	492	254	161	136	226	112	155	184
22	139	173	153	166	1010	237	153	138	215	112	155	195
23	132	1500	155	155	844	242	152	138	205	117	153	110
24	126	2190	147	148	674	257	161	140	197	139	144	105
25	120	628	150	152	1230	269	173	147	191	123	140	103
26	119	374	148	145	1760	262	177	197	358	116	147	105
27	120	297	148	147	1800	264	173	226	360	114	140	105
28	116	274	142	148	1570	247	165	205	231	110	132	103
29	113	245	147	139	1090	224	160	175	150	113	128	105
30	112	220	150	133	.....	211	148	163	142	120	132	108
31	110	.....	158	120	.....	191	.....	161	.....	119	247	.....
Mean	179	292	172	150	556	305	163	167	537	172	195	123
Max.	574	2190	226	200	1800	851	188	292	2980	660	542	215
Min.	110	114	142	110	110	170	148	136	142	109	124	103
A. F.	11000	17400	10600	9220	32000	18800	9700	10300	32000	10600	12000	7320

Total Acre-feet 181,000

DISCHARGE OF BUFFALO CREEK AT JENKINS RANCH—Sec. 33-9-18 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	44	55	8	10	10	7	20	30	47	53	85
2	50	44	55	8	10	10	7	20	300	62	72	85
3	50	44	55	8	10	10	7	20	300	59	109	85
4	50	44	55	8	10	10	7	40	200	81	147	85
5	50	44	55	8	10	10	7	30	100	99	138	86
6	52	48	40	8	11	9	7	20	65	103	130	69
7	52	48	40	8	11	9	7	20	79	69	135	59
8	52	48	40	8	11	9	7	20	88	71	140	56
9	52	48	40	8	11	9	7	40	87	75	154	52
10	52	48	40	8	11	9	7	30	103	51	168	55
11	48	52	25	7	12	8	7	25	108	33	114	58
12	48	52	25	7	12	8	7	25	113	31	101	58
13	48	52	25	7	12	8	7	25	142	36	115	58
14	48	52	25	7	12	8	7	25	171	40	129	72
15	48	52	25	7	12	8	7	25	105	20	90	87
16	45	56	10	7	13	8	7	26	91	14	52	88
17	45	56	10	7	13	8	7	25	165	11	80	90
18	45	56	10	7	13	8	15	25	100	9	108	86
19	45	56	10	7	13	8	15	25	114	3	96	82
20	45	56	10	7	13	8	15	25	114	2	84	85
21	42	60	9	8	12	8	15	25	200	1	75	88
22	42	60	9	8	12	8	15	25	99	4	66	73
23	42	60	9	8	12	8	30	25	65	2	54	58
24	42	60	9	8	12	8	30	25	46	4	42	60
25	42	60	9	8	12	8	25	25	71	5	37	63
26	39	65	9	9	11	8	25	25	66	9	32	60
27	39	65	9	9	11	8	40	25	61	13	40	57
28	39	65	9	9	11	8	30	30	61	13	48	68
29	39	65	9	9	11	8	20	30	52	14	38	69
30	39	65	9	9	—	8	20	30	44	24	28	69
31	39	....	9	9	—	8	....	30	—	34	56	....
Mean	46	54	24	8	12	9	14	26	111	33	88	71
Max.	52	65	55	9	13	10	30	40	300	103	168	90
Min.	39	44	9	7	10	8	7	20	30	1	28	52
A.F.	2814	3223	1485	484	662	522	821	1599	6625	2061	5417	4256

Total Acre-feet 29,969

DISCHARGE OF BULL DRAIN—Sec. 19-13-28 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	3	4	4	3	4	5	3	8	3	2	1
2	2	3	4	4	3	4	5	3	8	10	2	1
3	2	3	4	4	3	4	5	3	8	10	2	1
4	2	3	4	4	3	4	5	3	8	8	2	1
5	2	3	4	4	3	4	5	3	8	8	2	1
6	2	3	4	4	3	5	4	3	7	5	2	1
7	2	3	4	4	3	5	4	3	7	5	2	1
8	2	3	4	4	3	5	4	3	7	5	2	1
9	2	3	4	4	3	5	4	3	7	5	2	1
10	2	3	4	4	3	5	4	3	7	5	2	1
11	2	4	4	3	3	6	4	3	6	3	2	1
12	2	4	4	3	3	6	4	3	6	3	2	1
13	2	4	4	3	3	6	4	3	6	3	2	1
14	2	4	4	3	3	6	4	3	6	3	2	1
15	2	4	4	3	3	6	4	3	6	3	2	1
16	3	4	4	3	3	6	4	3	5	2	2	2
17	3	4	4	3	3	6	4	3	5	2	2	2
18	3	4	4	3	3	6	4	3	5	2	2	2
19	3	4	4	3	3	6	4	3	5	2	2	2
20	3	4	4	3	4	6	4	3	5	2	2	2
21	3	4	4	3	4	6	4	3	4	2	1	2
22	3	4	4	3	4	6	4	3	4	2	1	2
23	3	4	4	3	4	6	4	3	4	2	1	2
24	3	4	4	3	4	6	4	3	4	2	1	2
25	3	4	4	3	4	6	4	3	4	2	1	2
26	3	4	4	3	4	5	4	5	3	2	1	2
27	3	4	4	3	4	5	4	5	3	2	1	2
28	3	4	4	3	4	5	4	5	3	2	1	2
29	3	4	4	3	4	5	4	5	3	2	1	2
30	3	4	4	3	....	5	4	5	3	2	1	2
31	3	—	4	3	—	5	—	5	....	2	1	—
Mean	3	4	4	3	3	5	4	4	5	4	2	1
Max.	3	4	4	4	4	6	5	5	8	10	2	2
Min.	2	3	4	3	3	4	4	3	3	2	1	1
A.F.	155	218	246	204	192	327	248	220	327	220	101	89

Total Acre-feet 2,547

DISCHARGE OF CAMP CLARK SEEP—Sec. 9-20-51 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	3	3	2	3	2	1	1	2	3	6	8
2	6	3	3	2	3	2	1	1	2	3	6	8
3	6	3	3	2	3	2	1	1	2	3	6	8
4	6	3	3	2	3	2	1	1	2	3	6	8
5	6	3	3	2	3	2	1	1	2	3	6	8
6	6	3	3	2	4	2	1	1	2	3	6	9
7	6	3	3	2	4	2	1	1	2	3	6	9
8	6	3	3	2	4	2	1	1	2	3	6	9
9	6	3	3	2	4	2	1	1	2	3	6	9
10	6	3	3	2	4	2	1	1	2	3	6	9
11	5	3	3	2	4	2	1	1	2	4	6	10
12	5	3	3	2	4	2	1	1	2	4	6	10
13	5	3	3	2	4	2	1	1	2	4	6	10
14	5	3	3	2	4	2	1	1	2	4	6	10
15	5	3	3	2	4	2	1	1	2	4	6	10
16	5	3	3	2	3	2	1	1	2	4	6	10
17	5	3	3	2	3	2	1	1	2	4	6	10
18	5	3	3	2	3	2	1	1	2	4	6	10
19	5	3	3	2	3	2	1	1	2	4	6	10
20	5	3	3	2	3	2	1	1	2	4	6	10
21	4	3	3	2	2	2	1	2	2	5	6	10
22	4	3	3	2	2	2	1	2	2	5	6	10
23	4	3	3	2	2	2	1	2	2	5	6	10
24	4	3	3	2	2	2	1	2	2	5	6	10
25	4	3	3	2	2	2	1	2	2	5	6	10
26	4	3	3	2	2	2	1	2	2	6	7	10
27	4	3	3	2	2	2	1	2	2	6	7	10
28	4	3	3	2	2	2	1	2	2	6	7	10
29	4	3	3	2	2	2	1	2	2	6	7	10
30	4	3	3	2	....	2	1	2	2	6	7	10
31	4	....	3	2	....	2	....	2	....	6	7	....
Mean	5	3	3	2	3	2	1	1	2	4	6	9
Max.	6	3	3	2	4	2	1	2	2	6	7	10
Min.	4	3	3	2	2	2	1	1	2	3	6	8
A.F.	305	179	184	123	174	123	60	83	119	260	381	764

Total Acre-feet 2,755

DISCHARGE OF CEDAR CREEK—Sec. 11-18-48 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	15	10	10	10	15	13	10	13	3	13	12
2	25	15	10	10	10	15	13	10	11	3	14	12
3	25	15	10	10	10	15	13	10	10	3	12	12
4	25	15	10	10	10	15	13	3	10	6	11	12
5	25	15	10	10	10	15	13	3	10	3	10	12
6	25	10	10	10	15	10	13	3	10	6	9	12
7	25	10	10	10	15	10	13	3	7	4	9	12
8	25	10	10	10	15	10	13	6	3	3	9	11
9	25	10	10	10	15	10	13	6	3	3	9	10
10	25	10	10	10	15	10	13	6	3	3	9	8
11	20	10	15	15	15	10	13	6	5	4	6	6
12	20	10	15	15	15	10	13	6	5	4	4	8
13	20	10	15	15	15	10	13	6	7	4	4	10
14	20	10	15	15	15	10	13	6	3	4	4	9
15	20	10	15	15	15	10	13	6	8	5	7	8
16	20	10	15	15	10	13	12	3	5	5	10	8
17	20	10	15	15	10	13	12	3	8	5	10	7
18	20	10	15	15	10	13	12	3	4	5	10	6
19	20	10	15	15	10	13	12	3	34	6	8	6
20	20	10	15	15	10	13	12	3	5	6	7	6
21	20	10	10	15	15	13	12	3	16	7	6	6
22	20	10	10	15	15	13	12	3	3	9	5	7
23	20	10	10	15	15	13	12	3	6	11	8	8
24	20	10	10	15	15	13	12	3	3	14	12	8
25	20	10	10	15	15	13	12	3	6	16	14	8
26	15	10	10	15	15	13	10	5	3	16	15	10
27	15	10	10	15	15	13	10	10	3	16	14	12
28	15	10	10	10	15	13	10	10	3	16	14	12
29	15	10	10	10	15	13	10	10	3	15	12	12
30	15	10	10	10	....	13	10	15	3	14	11	12
31	15	....	10	10	....	13	....	15	....	13	12	....
Mean	21	11	12	13	13	12	12	6	7	7	10	9
Max.	25	15	15	15	15	15	13	15	34	16	15	12
Min.	15	10	10	10	10	10	10	3	3	3	4	6
A.F.	1269	645	714	783	764	760	724	367	421	460	591	559

Total Acre-feet 8,059

DISCHARGE OF CEDAR BRANCH CREEK—Sec. 17-14-35 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	2	2	3	2	2	2	1	2	2	1	2
2	2	2	2	3	2	2	2	1	2	2	1	2
3	2	2	2	3	2	2	2	1	2	2	1	2
4	2	2	2	3	2	2	2	1	2	2	1	2
5	2	2	2	3	2	2	2	1	2	2	1	2
6	2	2	2	3	2	2	2	1	2	2	1	2
7	2	2	2	3	2	2	2	1	2	2	1	2
8	2	2	2	3	2	2	2	1	2	2	1	2
9	2	2	2	3	2	2	2	1	2	2	1	2
10	2	2	2	3	2	2	2	1	2	2	1	2
11	2	2	2	3	2	2	2	1	2	2	1	2
12	2	2	2	3	2	2	2	1	2	2	1	2
13	2	2	2	3	2	2	2	1	2	2	1	2
14	2	2	2	3	2	2	2	1	2	2	1	2
15	2	2	2	3	2	2	2	1	2	2	1	2
16	2	2	2	2	2	3	3	2	2	2	1	2
17	2	2	2	3	2	3	3	2	2	2	1	2
18	2	2	2	3	2	3	3	2	2	2	1	2
19	2	2	2	3	2	3	3	2	2	2	1	2
20	2	2	2	3	2	3	3	2	2	2	1	2
21	2	2	2	2	2	2	2	2	2	1	2	3
22	2	2	2	2	2	2	2	2	2	1	2	3
23	2	2	2	2	2	2	2	2	2	1	2	3
24	2	2	2	2	2	2	2	2	2	1	2	3
25	2	2	2	2	2	2	2	2	2	1	2	3
26	2	2	2	2	2	2	2	2	2	1	2	3
27	2	2	2	2	2	2	2	2	2	1	2	3
28	2	2	2	2	2	2	2	2	2	1	2	3
29	2	2	2	2	2	2	2	2	2	1	2	3
30	2	2	2	2	....	2	2	2	2	1	2	3
31	2	....	2	2	—	2	—	2	....	1	2	....
Mean	2	2	2	3	2	2	2	1	2	2	1	2
Max.	2	2	2	3	2	3	3	2	2	2	2	3
Min.	2	2	2	2	2	2	2	1	2	1	1	2
A. F.	123	119	123	153	115	133	129	93	119	101	83	139

Total Acre-feet 1,440

DISCHARGE OF CLEAR CREEK—Sec. 32-16-41 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	14	14	12	10	10	8	12	8	5	0	10
2	10	14	14	12	10	10	8	12	8	4	3	11
3	10	14	14	12	10	10	8	12	4	6	6	11
4	10	14	14	12	10	10	8	12	2	6	3	11
5	10	14	14	12	10	10	8	12	6	6	0	11
6	10	14	15	12	12	6	8	12	6	0	0	11
7	10	14	15	12	12	6	8	12	6	0	6	10
8	10	14	15	12	12	6	8	12	7	0	3	10
9	10	14	15	12	12	6	8	12	7	5	0	10
10	10	14	15	12	12	6	8	12	12	6	0	10
11	8	14	15	14	12	8	10	12	9	5	0	8
12	8	14	15	14	12	8	10	12	10	4	4	6
13	8	14	15	14	12	8	10	12	9	4	8	3
14	8	14	15	14	12	8	10	12	9	4	8	1
15	8	14	15	14	12	8	10	12	8	3	8	2
16	8	14	15	14	10	8	12	12	20	0	9	4
17	8	14	15	14	10	8	12	12	20	3	10	7
18	8	14	15	14	10	8	12	12	10	0	10	10
19	8	14	15	14	10	8	12	12	9	0	11	10
20	8	14	15	14	10	8	12	12	8	0	11	10
21	7	14	15	15	10	8	12	6	8	0	10	10
22	7	14	15	15	10	8	12	6	8	0	10	10
23	7	14	15	15	10	8	12	6	8	0	11	6
24	7	14	15	15	10	8	12	2	8	0	11	9
25	7	14	15	15	10	8	12	6	9	0	11	9
26	10	14	14	15	10	8	12	6	9	0	11	9
27	10	14	14	10	10	8	12	6	9	0	12	9
28	10	14	14	10	10	8	12	6	10	0	12	9
29	10	14	14	10	10	8	12	6	10	3	11	9
30	10	14	14	10	—	8	12	6	5	6	11	9
31	10	....	14	10	....	8	—	6	—	6	11	—
Mean	9	14	15	13	11	8	10	10	9	2	7	8
Max.	10	14	15	15	12	10	12	12	20	6	12	11
Min.	7	14	14	10	10	6	8	2	2	0	0	1
A. F.	545	833	900	793	615	492	615	599	520	151	438	506

Total Acre-feet 7,007

DISCHARGE OF CLEVELAND DRAIN—Sec. 6-20-52 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	1	2	2	2	1	1	2	8	5	4	5
2	3	1	2	2	2	1	1	2	8	5	4	5
3	3	1	2	2	2	1	1	2	8	5	4	5
4	3	1	2	2	2	1	1	2	8	5	4	5
5	3	1	2	2	2	1	1	2	8	5	4	5
6	3	1	3	2	2	1	1	2	8	5	4	5
7	3	1	3	2	2	1	1	2	8	5	4	5
8	3	1	3	2	2	1	1	2	8	5	4	5
9	3	1	3	2	2	1	1	2	8	5	4	5
10	3	1	3	2	2	1	1	2	8	5	4	5
11	3	1	2	2	1	1	1	2	8	5	4	5
12	3	1	2	2	1	1	1	2	8	5	4	5
13	3	1	2	2	1	1	1	2	8	5	4	5
14	3	1	2	2	1	1	1	2	8	5	4	5
15	3	1	2	2	1	1	1	2	8	5	4	5
16	2	2	2	2	1	2	1	2	8	4	3	5
17	2	2	2	2	1	2	1	2	8	4	3	5
18	2	2	2	2	1	2	1	2	8	4	3	5
19	2	2	2	2	1	2	1	2	8	4	3	5
20	2	2	2	2	1	2	1	2	8	4	3	5
21	2	2	2	2	2	1	1	2	8	4	3	5
22	2	2	2	2	2	1	1	2	8	4	3	5
23	2	2	2	2	2	1	1	2	8	4	3	5
24	2	2	2	2	2	1	1	2	8	4	3	5
25	2	2	2	2	2	1	1	2	8	4	3	5
26	2	2	2	2	2	1	1	2	5	4	3	5
27	2	2	2	2	2	1	1	2	5	4	3	5
28	2	2	2	2	2	1	1	2	5	4	3	5
29	2	2	2	2	2	1	1	2	5	4	3	5
30	2	2	2	2	....	1	1	2	5	4	3	5
31	2	—	2	2	....	1	....	2	....	4	3	—
Mean	2	1	2	2	2	1	1	2	7	4	3	5
Max.	3	2	3	2	2	2	1	2	8	5	4	5
Min.	2	1	2	2	1	1	1	2	5	4	3	5
A.F.	153	89	133	123	95	71	60	123	446	276	214	297

Total Acre-feet 2,070

DISCHARGE OF COLD WATER CREEK—Sec. 34-18-46 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.5	1	2	2	1	1	1.0	0.1	0	0.5	0.2
2	.1	.5	1	2	2	1	1	1.0	.1	0	.5	.2
3	.1	.5	1	2	2	1	1	1.0	.1	0	.5	.2
4	.1	.5	1	2	2	1	1	1.0	.1	0	.5	.2
5	.1	.5	1	2	2	1	1	1.0	.1	0	.5	.2
6	.1	.5	1	2	2	1	1	1.0	.1	0	.5	.2
7	.1	.5	1	2	2	1	1	1.0	.1	0	.5	.2
8	.1	.5	1	2	2	1	1	1.0	.1	0	.5	.2
9	.1	.5	1	2	2	1	1	1.0	.1	0	.5	.2
10	.1	.5	1	2	2	1	1	1.0	.1	0	.5	.2
11	.1	.5	1	3	2	1	1	1.0	.1	0	.5	.2
12	.1	.5	1	3	2	1	1	1.0	.1	0	.5	.2
13	.1	.5	1	3	2	1	1	1.0	.1	0	.5	.2
14	.1	.5	1	3	2	1	1	1.0	.1	0	.5	.2
15	.1	.5	1	3	2	1	1	1.0	.1	0	.5	.2
16	.2	.5	1	3	1	2	1	.0	.1	0	.3	.2
17	.2	.5	1	3	1	2	1	.0	.1	0	.3	.2
18	.2	.5	1	3	1	2	1	.0	.1	0	.3	.2
19	.2	.5	1	3	1	2	1	.0	.1	0	.3	.2
20	.2	.5	1	3	1	2	1	.0	.1	0	.3	.2
21	.2	.5	1	3	1	2	1	.0	.3	0	.3	.2
22	.2	.5	1	3	1	2	1	.0	.3	0	.3	.2
23	.2	.5	1	3	1	2	1	.0	.3	0	.3	.2
24	.2	.5	1	3	1	2	1	.0	.3	0	.3	.2
25	.2	.5	1	3	1	2	1	.0	.3	0	.3	.2
26	.2	.5	1	3	1	2	1	.0	.3	0	.3	.2
27	.2	.5	1	3	1	2	1	.0	.3	0	.3	.2
28	.2	.5	1	2	1	2	1	.0	.3	0	.3	.2
29	.2	.5	1	2	1	2	1	.0	.3	0	.3	.2
30	.2	.5	1	2	—	2	1	.0	.3	0	.3	.2
31	.2	.....	1	2	—	2	....	.0	.....	0	.3	.....
Mean	0.2	0.5	1	2	1	2	1	0.5	0.2	0	0.4	0.2
Max.	.2	.5	1	3	2	2	1	1.0	.3	0	.5	.2
Min.	.1	.5	1	2	1	1	1	.0	.1	0	.3	.2
A.F.	.9	30.0	61	157	87	93	59	30.0	10.0	0	24.0	12.0

Total Acre-feet 572

DISCHARGE OF DAWSON COUNTY CANAL
Waste into Buffalo Creek
Year Ending September 30, 1932

Date	May	June	July	Aug.	Sept.
1	*	9	0	15	53
2	—	4	0	30	45
3	—	0	1	31	38
4	—	0	2	33	22
5	—	0	0	35	6
6	....	0	0	38	10
7	—	0	0	38	15
8	—	0	0	38	13
9	—	0	0	30	11
10	—	0	0	25	11
11	....	1	0	37	11
12	—	0	0	50	11
13	....	0	0	25	11
14	—	0	0	0	19
15	—	0	0	20	28
16	—	0	0	38	28
17	—	0	0	38	29
18	....	0	0	38	28
19	....	0	0	25	28
20	—	0	0	18	39
21	....	0	0	9	51
22	....	0	0	0	41
23	—	0	0	0	32
24	—	0	0	0	36
25	—	0	0	0	41
26	....	0	0	0	35
27	....	0	0	0	29
28	—	0	0	0	14
29	....	0	0	0	0
30	—	0	0	42	0
31	—	—	1	0	....
Mean	....	1	1	21	24
Max.	....	9	2	50	51
Min.	—	0	0	0	0
A. F.		28	6	1295	1458

Water used 3,600 A.F.

*No record.

DISCHARGE OF DAWSON COUNTY CANAL
Waste into Elm Creek
Year Ending September 30, 1932

May	June	July	Aug.	Sept.
*	0	14	0	0
—	0	21	0	0
....	0	32	0	5
....	0	27	0	5
....	0	4	0	6
—	0	6	0	3
....	0	3	0	0
....	0	14	0	0
....	0	9	0	0
—	22	0	0	0
....	0	0	0	2
....	0	14	18	2
....	0	0	12	2
—	0	0	6	2
....	0	0	8	2
—	18	0	10	4
....	11	0	18	8
....	11	14	26	4
—	22	26	15	2
—	4	18	4	2
—	4	10	2	4
....	1	15	0	4
....	2	20	0	6
—	7	15	0	6
....	9	10	0	8
....	8	5	0	5
—	1	0	0	2
—	0	12	0	3
....	11	27	0	4
....	18	12	0	4
—	....	0	0	....
—	5	10	4	3
....	22	32	26	8
—	0	0	0	0
—	295	650	236	188

Water used 1,369 A.F.

DISCHARGE OF DAWSON COUNTY CANAL
Waste into French Creek
Year ending September 30, 1932

Date	May	June	July	Aug.	Sept.
1	*	0	5	70	57
2	—	0	10	78	49
3	....	0	13	74	41
4	—	0	54	70	27
5	....	40	5	77	13
6	....	20	7	84	2
7	....	3	8	67	1
8	—	2	0	51	1
9	—	10	0	45	1
10	—	21	0	39	1
11	....	61	0	53	1
12	—	45	0	7	1
13	....	40	0	4	1
14	....	10	0	2	6
15	....	9	0	15	11
16	—	0	0	28	7
17	—	0	0	23	4
18	—	25	0	19	3
19	....	40	0	11	2
20	—	16	0	3	1
21	....	0	0	0	0
22	....	0	0	0	0
23	....	0	0	0	0
24	....	0	0	27	0
25	....	0	0	25	4
26	—	0	0	22	3
27	—	0	0	14	3
28	—	0	0	6	3
29	....	3	14	23	0
30	—	14	70	41	0
31	....	....	....	49	
Mean	—	12	6	33	8
Max.	—	61	70	84	57
Min.	....	0	0	0	0
A.F.	—	712	369	2037	482

Water used 2,787 A. F.

DISCHARGE OF DAWSON COUNTY DRAIN NO. 2—Sec. 25-10-23 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	6	7	7	7	6	5	6	8	6	8	9
2	6	6	7	7	7	6	5	6	8	10	8	9
3	6	6	7	7	7	6	5	6	8	10	8	9
4	6	6	7	7	7	6	5	6	8	10	8	9
5	6	6	7	7	7	6	5	6	8	10	8	9
6	6	6	6	7	7	6	5	6	8	7	12	9
7	6	6	6	7	7	6	5	6	8	7	12	9
8	6	6	6	7	7	6	5	6	8	7	12	9
9	6	6	6	7	7	6	5	6	8	7	12	9
10	6	6	6	7	7	6	5	6	8	7	12	9
11	6	6	6	6	7	6	5	6	8	6	12	8
12	6	6	6	6	7	6	5	6	8	6	12	8
13	6	6	6	6	7	6	5	6	8	6	12	8
14	6	6	6	6	7	6	5	6	8	6	12	8
15	6	6	6	6	7	6	5	6	8	6	12	8
16	6	6	5	6	7	6	5	6	8	7	12	7
17	6	6	5	6	7	6	5	6	8	7	12	7
18	6	6	5	6	7	6	5	6	8	7	12	7
19	6	6	5	6	7	6	5	6	8	7	12	7
20	6	8	5	6	7	6	5	6	8	7	12	7
21	6	8	5	6	7	6	5	6	8	7	11	6
22	6	8	5	6	7	6	5	6	8	7	11	6
23	6	8	5	6	7	6	8	6	8	7	11	6
24	6	8	5	6	7	6	8	6	8	7	11	6
25	6	8	5	6	7	6	8	6	8	7	11	6
26	6	7	6	6	7	6	8	6	6	8	10	6
27	6	7	6	6	7	6	8	6	6	8	10	6
28	6	7	6	6	7	6	8	6	6	8	10	6
29	6	7	6	6	7	6	8	6	6	8	10	6
30	6	7	6	6	—	6	8	8	6	8	10	6
31	6	—	6	6	—	6	—	8	—	8	10	—
Mean	6	7	6	6	7	6	6	6	8	7	11	7
Max.	6	8	7	7	7	6	8	8	8	10	12	9
Min.	6	6	5	6	7	6	5	6	6	6	8	6
A.F.	369	391	359	389	403	369	345	377	456	454	664	446

Total Acre-feet 5,022

DISCHARGE OF DeGRAW DRAIN—Sec. 24-20-51 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	8	6	5	4	8	5	3	3	3	5	7
2	9	8	6	5	4	8	5	3	3	3	5	7
3	9	8	6	5	4	8	5	3	3	3	5	7
4	9	8	6	5	4	8	5	3	3	3	5	7
5	9	8	6	5	4	8	5	3	3	3	5	7
6	9	7	6	5	6	6	5	3	3	3	5	7
7	9	7	6	5	6	6	5	3	3	3	5	7
8	9	7	6	5	6	6	5	3	3	3	5	7
9	9	7	6	5	6	6	5	3	3	3	5	7
10	9	7	6	5	6	6	5	3	3	3	5	7
11	9	7	6	5	6	7	4	3	3	3	5	8
12	9	7	6	5	6	7	4	3	3	3	5	8
13	9	7	6	5	6	7	4	3	3	3	5	8
14	9	7	6	5	6	7	4	3	3	3	5	8
15	9	7	6	5	6	7	4	3	3	3	5	8
16	9	7	6	5	6	7	4	3	3	4	6	8
17	9	7	6	5	6	7	4	3	3	4	6	8
18	9	7	6	5	6	7	4	3	3	4	6	8
19	9	7	6	5	6	7	4	3	3	4	6	8
20	9	7	6	5	6	7	4	3	3	4	6	8
21	8	7	6	4	9	6	3	3	3	4	6	9
22	8	7	6	4	9	6	3	3	3	4	6	9
23	8	7	6	4	9	6	3	3	3	4	6	9
24	8	7	6	4	9	6	3	3	3	4	6	9
25	8	7	6	4	9	6	3	3	3	4	6	9
26	8	6	5	4	8	6	3	3	3	4	6	9
27	8	6	5	4	8	6	3	3	3	4	6	9
28	8	6	5	4	8	6	3	3	3	4	6	9
29	8	6	5	4	8	6	3	3	3	4	6	9
30	8	6	5	4	—	6	3	3	3	4	6	9
31	8	—	5	4	—	6	—	3	—	4	6	—
Mean	9	7	6	5	6	7	4	3	3	4	6	8
Max.	9	8	6	5	9	8	5	3	3	4	6	9
Min.	8	6	5	4	4	6	3	3	3	3	5	7
A.F.	532	417	357	285	371	409	238	184	178	216	339	476

Total Acre-feet 4,002

DISCHARGE OF DUGOUT CREEK, UPPER—Sec. 21-20-50 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	8	6	4	3	2	1	1	30	10	19	9
2	15	8	6	4	3	2	1	1	20	10	8	10
3	15	8	6	4	3	2	1	1	10	2	8	10
4	15	8	6	4	3	2	1	1	3	2	7	10
5	15	8	6	4	3	2	1	1	2	2	8	11
6	15	8	6	4	3	1	1	1	6	3	8	11
7	15	8	6	4	3	1	1	1	3	2	8	11
8	15	8	6	4	3	1	1	1	2	2	9	12
9	15	8	6	4	3	1	1	1	8	2	8	14
10	15	8	6	4	3	1	1	1	3	2	8	14
11	12	7	5	4	3	2	1	1	5	2	9	15
12	12	7	5	4	3	2	1	1	5	2	10	15
13	12	7	5	4	3	2	1	1	2	3	10	15
14	12	7	5	4	3	2	1	1	2	3	9	15
15	12	7	5	4	3	2	1	1	2	4	9	15
16	12	7	5	4	3	2	1	1	15	12	9	15
17	12	7	5	4	3	2	1	1	33	20	8	15
18	12	7	5	4	3	2	1	1	28	21	8	14
19	12	7	5	4	3	2	1	1	35	22	9	13
20	12	7	5	4	3	2	1	1	3	20	10	14
21	10	7	5	3	2	2	3	5	22	18	10	15
22	10	7	5	3	2	2	3	5	30	13	10	14
23	10	7	5	3	2	2	3	5	26	8	10	14
24	10	7	5	3	2	2	3	5	30	13	10	14
25	10	7	5	3	2	2	3	5	9	18	10	15
26	10	6	4	3	2	2	2	5	2	16	10	14
27	10	6	4	3	2	2	2	5	3	15	10	14
28	10	6	4	3	2	2	2	5	3	14	10	14
29	10	6	4	3	2	2	2	5	2	14	10	15
30	10	6	4	3	----	2	2	5	9	22	9	14
31	10	----	4	3	----	2	----	5	----	30	9	----
Mean	12	7	5	4	3	2	1	2	12	11	9	13
Max.	15	8	6	4	3	2	3	5	35	30	19	15
Min.	10	6	4	3	2	1	1	1	2	2	7	9
A. F.	754	426	315	224	155	113	89	149	700	649	575	796

Total Acre-feet 4,945

DISCHARGE OF ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	80	*	*	*	*	338	302	243	298	12	184	95
2	80	----	----	----	----	298	310	236	390	138	145	88
3	80	----	----	----	----	262	302	229	468	354	208	87
4	80	----	----	----	----	222	314	218	464	382	278	91
5	80	----	----	----	----	187	306	208	362	354	334	93
6	80	----	----	----	----	162	306	226	274	302	370	88
7	80	----	----	----	----	145	286	258	208	226	496	86
8	94	----	----	----	134	110	274	262	243	180	410	83
9	94	126	----	----	*	60	243	243	491	135	318	87
10	108	*	----	----	----	70	222	232	496	116	243	94
11	108	----	----	144	----	70	222	229	665	101	215	91
12	108	----	----	*	----	120	236	243	580	87	240	101
13	138	----	----	----	----	179	243	243	595	83	201	101
14	150	----	----	----	----	200	232	236	565	90	148	98
15	125	----	----	----	----	250	229	198	496	101	140	97
16	125	----	----	----	----	300	226	198	460	113	138	93
17	116	----	----	----	----	350	218	187	510	118	125	93
18	108	----	----	----	----	424	222	177	550	122	115	90
19	101	133	----	----	----	428	236	162	545	125	101	87
20	94	*	----	----	----	424	270	148	468	113	90	87
21	94	----	----	----	----	362	262	138	198	101	101	90
22	101	----	----	----	----	330	240	120	69	88	98	90
23	101	----	----	----	----	286	250	122	64	83	93	93
24	101	----	----	----	----	322	278	118	55	83	87	90
25	94	----	----	----	----	402	298	162	40	80	86	93
26	94	----	----	----	----	402	318	258	31	81	88	94
27	94	----	----	----	----	402	306	232	24	80	93	122
28	108	----	----	----	----	382	290	208	20	73	98	118
29	111	----	----	----	----	342	274	226	16	70	95	115
30	115	----	----	----	----	322	258	226	14	81	90	113
31	115	----	----	----	----	310	----	266	----	138	97	----
Mean	102	†160	†160	†135	†180	273	266	208	322	136	178	95
Max.	150	----	----	----	----	428	318	266	665	382	496	122
Min.	80	----	----	----	----	60	218	118	14	70	86	83
A. F.	6270	9520	9840	8300	10400	16800	15800	12800	19200	8360	10900	5650

Total Acre-feet 134,000

*No record.

†Estimated.

DISCHARGE OF ELKHORN RIVER AT WATERLOO—Sec. 3-15-10 E.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	322	343	520	1240	610	7470	1110	852	1490	788	247	498
2	277	330	520	1100	610	5400	1130	828	1890	597	292	465
3	274	351	531	1090	610	4330	1130	820	1870	526	420	455
4	274	351	543	896	610	3960	1130	820	2470	514	1120	450
5	264	351	537	914	610	3690	1110	1050	1770	1220	543	410
6	339	347	487	800	675	1800	1080	3050	1680	1190	455	387
7	396	351	482	800	675	1800	1060	10600	1750	812	482	392
8	392	351	537	800	675	1800	1000	5850	1480	1290	1000	378
9	677	369	591	800	675	1800	959	3390	1810	914	869	373
10	896	373	616	800	675	1800	914	2060	5520	622	887	415
11	503	382	780	700	680	2000	887	1680	3210	543	1150	476
12	396	492	941	700	680	2000	860	1430	6060	450	3450	537
13	410	425	728	700	680	2000	828	1350	3650	420	6780	604
14	401	435	560	700	680	2000	788	1260	3760	364	3190	941
15	378	460	610	631	680	2000	780	1180	2040	326	3670	860
16	364	487	498	625	670	3500	844	1120	1770	311	2500	656
17	369	471	531	625	670	6500	836	1030	2020	307	1740	592
18	369	450	564	625	670	3120	812	968	1870	292	1330	503
19	364	455	597	625	670	2020	772	896	1660	288	1120	465
20	373	503	629	625	656	1800	896	928	1340	274	950	430
21	351	597	684	630	700	1720	959	788	1200	274	820	735
22	335	742	780	630	700	1660	1220	758	1180	267	728	1100
23	330	1570	1050	630	700	1600	1230	698	1180	295	649	1090
24	339	2000	1030	630	700	1630	1130	698	1100	247	585	1250
25	326	1260	986	630	700	1650	1450	705	1870	229	537	691
26	330	812	878	600	1350	1740	1430	844	1660	235	514	610
27	330	622	820	600	2000	1650	1080	2700	2470	217	560	555
28	330	656	758	600	3100	1370	968	1970	2400	214	560	526
29	343	610	735	600	5820	1250	923	1560	1720	232	543	537
30	339	560	735	600	.....	1220	887	1550	1140	217	537	549
31	343	.....	1080	600	.....	1190	.....	1560	.....	223	566	.....
Mean	379	584	688	727	998	2500	1010	1770	2170	474	1250	598
Max.	896	2000	1080	1240	5820	7470	1450	10600	6060	1290	6780	1250
Min.	264	330	482	600	610	1190	772	698	1100	214	247	373
A. F.	23300	34800	42300	44700	57400	154000	60100	109000	129000	29100	76900	35600

Total Acre-feet 796,000

DISCHARGE OF ELM CREEK—Sec. 33-9-18 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	1	1	1	2	0	5	20	20	35	17
2	1	1	1	1	1	2	0	5	20	100	24	12
3	1	1	1	1	1	2	0	5	20	50	16	8
4	1	1	1	1	1	2	0	5	20	20	9	7
5	1	1	1	1	1	2	0	5	20	20	8	6
6	1	1	1	1	1	2	0	8	20	10	6	9
7	1	1	1	1	1	1	0	8	20	10	7	4
8	1	1	1	1	1	1	0	8	20	10	8	2
9	1	1	1	1	1	1	0	8	20	10	8	0
10	1	1	1	1	1	1	0	8	50	10	8	7
11	1	1	1	1	1	1	0	9	81	5	6	14
12	1	1	1	1	1	1	0	9	80	0	18	14
13	1	1	1	1	2	1	0	9	50	11	15	13
14	1	1	1	1	2	1	0	9	40	2	13	13
15	1	1	1	1	2	1	0	9	30	1	14	12
16	1	1	1	1	2	1	0	9	80	1	6	14
17	1	1	1	1	2	1	0	9	90	1	15	15
18	1	1	1	1	2	2	2	9	100	0	24	13
19	1	3	1	1	2	2	2	9	90	22	20	11
20	1	3	1	1	2	2	2	9	80	26	15	11
21	1	3	1	1	1	1	2	9	40	31	12	12
22	1	3	1	1	1	1	10	9	40	16	9	10
23	1	3	1	1	1	1	10	9	40	15	7	8
24	1	3	1	2	1	1	10	9	40	11	6	12
25	1	3	1	2	1	1	10	9	40	8	10	17
26	1	2	1	2	1	1	10	9	20	4	15	13
27	1	2	1	2	1	1	10	9	20	1	17	10
28	1	2	1	2	1	1	10	9	20	13	20	7
29	1	2	1	2	1	1	10	9	20	26	17	19
30	1	2	1	2	—	1	10	20	20	36	14	19
31	1	—	1	2	—	1	—	20	—	47	15	—
Mean	1	2	1	1	1	1	3	9	42	17	13	11
Max.	1	3	1	2	2	2	10	20	100	100	35	19
Min.	1	1	1	1	1	1	0	5	20	0	6	0
A. F.	61	97	61	77	73	79	194	547	2481	1065	827	652

Total Acre-feet 6,214

DISCHARGE OF FAIRFIELD SEEP—Sec. 18-21-53 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	2	3	1	2	3	1	0	1	3	1	3
2	4	2	3	1	2	3	1	0	1	3	1	3
3	4	2	3	1	2	3	1	0	1	3	1	3
4	4	2	3	1	2	3	1	0	1	3	1	3
5	4	2	3	1	2	3	1	0	1	3	1	3
6	4	2	3	1	2	3	1	0	2	3	1	4
7	4	2	3	1	2	3	1	0	2	3	1	4
8	4	2	3	1	2	3	1	0	2	3	1	4
9	4	2	3	1	2	3	1	0	2	3	1	4
10	4	2	3	1	2	10	1	0	2	3	1	4
11	4	2	2	1	2	10	1	0	2	3	2	4
12	4	2	2	1	2	10	1	0	2	3	2	4
13	4	2	2	1	2	5	1	0	2	3	2	4
14	4	2	2	1	2	5	1	0	2	3	2	4
15	4	2	2	1	2	5	1	0	2	3	2	4
16	3	2	2	1	2	3	1	1	2	3	2	4
17	3	2	2	1	2	3	1	1	2	3	2	4
18	3	2	2	1	2	3	1	1	2	3	2	4
19	3	2	2	1	2	3	1	1	2	3	2	4
20	3	2	2	1	2	3	1	1	2	3	2	4
21	3	2	1	1	3	3	0	1	3	2	2	5
22	3	2	1	1	3	3	0	1	3	2	2	5
23	3	2	1	1	3	3	0	1	3	2	2	5
24	3	2	1	1	3	3	0	1	3	2	2	5
25	3	2	1	1	3	3	0	1	3	2	2	5
26	3	2	1	1	3	2	0	1	3	2	3	5
27	3	2	1	1	3	2	0	1	3	2	3	5
28	3	2	1	1	3	2	0	1	3	2	3	5
29	3	2	1	1	3	2	0	1	3	2	3	5
30	3	2	1	1	....	2	0	1	3	2	3	5
31	3	....	1	1	—	2	—	1	—	2	3	—
Mean	3	2	2	1	2	4	1	1	2	3	2	4
Max.	4	2	3	1	3	10	1	1	3	3	3	5
Min.	3	2	1	1	2	2	0	0	1	2	1	3
A. F.	214	119	121	61	133	226	40	32	129	163	115	248

Total Acre-feet 1,601

DISCHARGE OF FANNING SEEP—Sec. 27-23-56 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	4	5	5	5	6	3	3	4	2	4	6
2	4	4	5	5	5	6	3	3	4	2	4	6
3	4	4	5	5	5	6	3	3	4	2	4	6
4	4	4	5	5	5	6	3	3	4	2	4	6
5	4	4	5	5	5	6	3	3	4	2	4	6
6	4	4	5	5	4	5	3	4	4	2	4	6
7	4	4	5	5	4	5	3	4	4	2	4	6
8	4	4	5	5	4	5	3	4	4	2	4	6
9	4	4	5	5	4	6	3	4	4	2	4	6
10	4	4	5	5	4	6	3	4	4	2	4	6
11	4	4	5	5	4	6	2	4	4	2	4	6
12	4	4	5	5	4	6	2	4	4	2	4	6
13	4	4	5	5	4	6	2	4	4	2	4	6
14	4	4	5	5	4	4	2	4	4	2	4	6
15	4	4	5	5	4	4	2	4	4	2	4	6
16	4	4	5	5	4	4	2	3	10	3	5	6
17	4	4	5	5	4	4	2	3	8	3	5	6
18	4	4	5	5	4	4	2	3	8	3	5	6
19	4	4	5	5	4	4	2	3	8	3	5	6
20	4	4	5	5	4	4	2	3	8	3	5	6
21	4	4	5	5	4	3	3	3	6	3	5	7
22	4	4	5	5	4	3	3	3	6	3	5	7
23	4	4	5	5	4	3	3	3	6	3	5	7
24	4	4	5	5	4	3	3	3	6	3	5	7
25	4	4	5	5	4	3	3	3	6	3	5	7
26	4	4	5	5	4	3	3	3	4	3	5	7
27	4	4	5	5	4	3	3	3	4	3	5	7
28	4	4	5	5	4	3	3	3	4	3	5	7
29	4	4	5	5	4	3	3	3	4	3	5	7
30	4	4	5	5	....	3	3	3	4	3	5	7
31	4	—	5	5	—	3	—	3	—	3	5	....
Mean	4	4	5	5	4	4	3	3	5	3	5	6
Max.	4	4	5	5	5	6	3	4	10	3	5	7
Min.	4	4	5	5	4	3	2	3	4	2	4	6
A. F.	246	238	307	307	240	270	157	204	301	155	278	377

Total Acre-feet 3,080

DISCHARGE OF FRENCHMAN RIVER NEAR CHAMPION—Sec. 19-6-39 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	*	40	28
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36	28
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	28
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25	28
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	29
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	30
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	28
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	25
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19	27
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	27
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	28
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18	29
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27	30
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28	25
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27	25
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25	23
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25	23
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25	23
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	30
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28	27
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24	26
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25	26
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	24
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19	23
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19	26
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	36
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32	32
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	38	32	31
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	58	29	32
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	77	28	32
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	58	28	.....
Mean	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25	28
Max.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40	36
Min.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	23
A. F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1550	1640

*No record

DISCHARGE OF FRENCHMAN RIVER NEAR HAMLET—Sec. 19-5-34 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	86	87	88	72	105	130	89	103	95	87	151	73
2	90	87	93	77	108	129	92	103	124	95	171	73
3	87	82	97	91	110	124	91	100	103	127	160	72
4	86	91	89	129	110	118	92	100	115	109	137	72
5	87	88	88	116	114	114	91	103	119	87	126	71
6	81	89	88	110	120	111	93	102	111	75	119	71
7	84	89	89	114	124	103	91	101	106	70	116	71
8	81	87	88	124	130	100	93	98	99	75	104	71
9	85	87	87	107	134	103	93	97	102	75	91	71
10	83	84	91	108	132	105	93	95	95	69	75	70
11	86	87	91	110	132	110	93	95	102	67	83	69
12	92	91	89	106	131	115	91	95	99	67	79	68
13	87	86	92	111	131	120	95	93	99	61	81	68
14	91	88	87	108	130	122	90	94	98	63	79	73
15	92	89	85	105	128	127	87	92	95	67	127	84
16	91	91	96	106	134	119	89	91	119	63	121	83
17	92	84	97	110	140	121	86	90	136	67	93	83
18	89	89	99	112	129	127	91	86	123	75	92	82
19	90	87	101	116	131	100	96	81	167	68	88	77
20	86	89	98	118	128	94	98	80	157	65	87	85
21	92	87	88	116	133	97	97	81	126	67	86	87
22	91	81	89	113	135	100	96	77	122	77	84	88
23	87	83	97	114	132	98	97	79	112	99	83	87
24	83	89	93	116	135	102	114	80	109	86	81	87
25	87	87	91	114	135	95	107	75	106	83	80	87
26	90	105	97	121	137	95	103	87	106	80	79	92
27	79	104	94	122	139	92	101	78	102	78	78	91
28	87	93	91	122	137	93	108	85	101	77	76	94
29	86	92	89	116	135	94	109	87	94	76	75	98
30	91	89	95	115	.....	89	103	88	91	109	75	98
31	89	.....	97	100	.....	80	.....	99	.....	288	74	.....
Mean	87	89	92	110	128	107	96	91	111	86	98	80
Max.	92	105	101	129	140	130	114	103	167	288	171	98
Min.	79	81	85	72	105	80	86	75	91	61	74	68
A. F.	5370	5280	5660	6760	7360	6580	5690	5580	6600	5260	6050	4750

Total Acre-feet 70,900

DISCHARGE OF FRENCHMAN RIVER NEAR CULBERTSON—Sec. 16-3-31 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	48	.....	.....	.....	.....	200	140	160	110	64	333	16
2	48	.....	.....	.....	.....	200	140	160	135	45	186	12
3	48	.....	.....	.....	.....	205	140	160	124	43	144	10
4	48	.....	.....	.....	.....	218	160	140	123	46	135	10
5	48	.....	.....	.....	.....	205	160	140	164	56	102	16
6	61	.....	.....	.....	.....	205	160	140	140	44	81	14
7	61	.....	.....	.....	.....	205	171	140	130	48	75	13
8	61	.....	.....	.....	.....	205	160	140	128	43	65	10
9	61	.....	.....	.....	.....	190	160	140	126	26	57	9
10	61	.....	.....	.....	.....	190	171	115	126	21	44	9
11	104	.....	.....	.....	.....	200	182	107	126	20	40	14
12	58	.....	.....	.....	.....	200	182	99	126	20	48	14
13	58	.....	.....	.....	.....	210	160	91	113	33	38	17
14	58	.....	.....	†170	.....	220	160	91	110	28	37	16
15	58	.....	.....	.....	.....	231	160	75	92	28	37	15
16	58	.....	.....	.....	.....	244	150	75	78	33	40	16
17	58	.....	.....	.....	.....	218	115	68	133	32	77	16
18	58	.....	.....	.....	.....	231	150	48	120	32	48	17
19	58	.....	.....	.....	.....	231	150	48	393	30	40	16
20	58	†146	.....	.....	.....	218	131	42	226	26	36	17
21	56	.....	.....	.....	.....	205	107	36	198	35	31	21
22	56	.....	.....	.....	.....	205	107	33	144	77	28	21
23	60	.....	.....	.....	.....	205	99	33	144	28	26	22
24	60	.....	.....	.....	.....	205	115	33	144	34	25	23
25	56	.....	.....	.....	.....	205	123	34	126	42	24	26
26	60	.....	.....	.....	.....	205	107	36	120	39	21	34
27	133	.....	.....	.....	.....	182	115	35	130	37	21	34
28	133	.....	.....	.....	.....	182	182	39	116	37	23	39
29	133	.....	.....	.....	.....	182	171	53	91	46	23	39
30	133	.....	.....	.....	.....	193	171	71	75	57	19	39
31	133	.....	.....	.....	.....	182	.....	88	.....	276	17	.....
Mean	71	145	150	155	170	206	147	86	137	46	62	19
Max.	133	.....	.....	.....	.....	244	182	160	393	276	333	39
Min.	48	.....	.....	.....	.....	182	99	33	75	20	17	9
A. F.	4330	8630	9220	9530	9780	12700	8750	5290	8150	2830	3810	1140

Total Acre-feet 84,200

†Estimated

DISCHARGE OF GERING DRAIN NEAR GERING—Sec. 6-21-54 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	61	30	28	24	22	23	23	22	56	48	96	76
2	67	30	28	24	22	25	23	23	48	48	82	76
3	58	30	28	24	22	24	24	23	50	58	82	67
4	34	30	28	24	22	23	23	24	43	56	70	56
5	43	30	28	24	22	25	23	22	48	58	79	79
6	36	30	28	24	22	25	23	22	48	46	64	70
7	56	30	28	24	21	24	23	20	58	56	61	70
8	56	30	28	24	26	23	23	24	38	56	64	86
9	53	30	28	24	26	25	28	23	40	56	79	76
10	53	30	28	24	27	24	24	22	46	50	58	82
11	43	30	28	24	22	24	24	23	43	61	61	86
12	50	30	28	24	22	25	24	20	53	89	61	89
13	48	30	28	24	22	23	24	20	61	64	64	86
14	46	30	28	24	22	29	23	20	67	64	64	79
15	46	30	28	24	23	29	22	27	67	61	64	73
16	43	30	26	22	22	23	22	21	96	64	58	76
17	36	30	26	22	22	24	22	20	110	110	58	82
18	36	30	26	22	23	24	22	20	110	82	58	70
19	36	30	26	22	23	23	22	20	141	82	64	70
20	34	30	26	22	22	26	22	20	141	89	58	76
21	33	30	28	22	25	28	22	20	125	79	64	64
22	33	30	26	22	24	24	21	20	73	70	58	64
23	34	30	26	22	24	24	38	50	89	70	70	70
24	32	30	26	22	24	24	29	33	157	89	67	76
25	36	30	26	22	24	23	29	18	110	96	61	82
26	31	28	26	22	24	24	25	20	53	96	61	64
27	31	28	26	22	24	24	26	28	61	89	61	70
28	32	28	26	22	24	24	28	48	50	70	67	110
29	32	28	26	22	24	24	28	53	61	86	70	89
30	31	28	26	22	.....	24	24	58	56	82	67	96
31	31	.....	26	22	.....	24	.....	103	.....	96	70	.....
Mean	42	30	27	23	23	25	25	29	73	72	67	77
Max.	67	30	28	24	27	29	38	103	157	110	96	110
Min.	31	28	26	22	21	23	21	18	38	46	58	56
A. F.	2560	1770	1660	1410	1330	1510	1460	1760	4360	4400	4090	4580

Total Acre-feet 30,890

DISCHARGE OF GOTHENBURG POWER WASTE NEAR WEST 16th STREET, GOTHENBURG

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	122	210	150	174	119	110	119	150	152	113	136	123
2	122	210	150	174	119	110	119	150	133	83	128	128
3	122	210	150	174	119	110	119	150	142	100	135	134
4	122	210	150	174	119	110	119	150	154	100	133	128
5	122	210	150	174	119	110	119	150	136	126	145	140
6	122	196	158	162	116	110	122	170	155	136	145	146
7	123	196	158	162	116	110	122	171	157	118	122	133
8	123	196	158	162	116	110	122	140	141	104	157	157
9	123	196	158	162	116	110	122	171	139	175	162	154
10	123	196	158	162	116	110	122	154	139	106	166	154
11	145	184	166	150	113	110	125	171	139	118	137	171
12	145	184	166	150	113	110	125	154	142	137	160	180
13	145	184	166	150	113	110	125	167	149	160	156	184
14	145	184	166	150	113	110	126	180	151	136	154	71
15	145	184	166	150	113	110	127	150	152	115	141	225
16	167	170	175	138	110	110	133	180	149	103	151	202
17	167	170	175	138	110	110	133	171	123	131	167	180
18	167	170	175	138	110	110	133	162	171	128	149	171
19	167	170	175	138	110	110	133	162	157	141	118	162
20	167	170	175	138	110	110	133	162	167	103	146	180
21	189	156	175	126	110	113	139	180	146	100	128	156
22	189	156	175	126	110	113	139	134	137	128	142	154
23	189	156	175	126	110	113	139	162	135	136	154	161
24	189	156	175	126	110	113	139	180	104	91	157	162
25	189	156	175	126	110	113	139	162	178	67	154	171
26	210	142	175	122	110	116	145	95	157	83	146	184
27	210	142	175	122	110	116	145	175	61	86	140	186
28	210	142	175	122	110	116	145	162	140	82	141	158
29	210	142	175	122	110	116	145	180	142	74	128	164
30	210	142	175	122	.....	116	145	180	139	78	109	171
31	210	.....	175	122	.....	116	.....	180	.....	96	86	.....
Mean	161	176	167	145	113	112	131	161	142	108	141	159
Max.	210	210	175	174	119	116	145	180	178	160	166	225
Min.	122	142	150	122	110	110	119	95	61	67	86	71
A.F.	9896	10493	10255	8890	6506	6865	7771	9927	8503	6653	8713	9500

Total Acre-feet 103,972

DISCHARGE OF GOTHENBURG POWER WASTE

Into Platte River

Year Ending September 30, 1932

Date	May	June	July	Aug.	Sept.
1	150	152	113	136	123
2	150	133	83	128	128
3	150	142	100	135	134
4	150	154	100	133	128
5	150	136	126	145	140
6	170	155	136	145	146
7	171	157	118	122	133
8	140	141	104	157	157
9	171	139	75	162	154
10	154	139	106	166	154
11	171	139	118	137	171
12	154	142	137	160	180
13	167	149	160	156	184
14	180	151	136	154	71
15	150	152	115	141	225
16	180	149	103	151	202
17	171	123	131	167	180
18	162	171	128	149	171
19	162	157	141	118	162
20	162	167	103	146	180
21	180	146	100	128	156
22	134	137	128	142	154
23	162	135	136	154	161
24	180	104	91	157	162
25	162	178	67	154	171
26	95	157	83	146	184
27	175	61	86	140	186
28	162	140	82	141	158
29	180	142	74	128	164
30	180	139	78	109	171
31	180	.....	96	86	.....
Mean	161	142	108	141	159
Max.	180	178	160	166	225
Min.	95	61	67	86	71
A.F.	9927	8503	6653	8713	9500

Water used 43,296 A.F.

*No record.

DISCHARGE OF GOTHENBURG CANAL WASTE

Into Buffalo Creek

Year Ending September 30, 1932

May	June	July	Aug.	Sept.
*	9	0	15	9
.....	21	8	12	15
.....	33	4	14	21
.....	30	4	17	22
.....	27	9	13	23
.....	23	9	9	14
.....	23	5	23	21
.....	20	1	37	21
.....	17	4	32	22
.....	19	8	27	23
.....	15	8	18	25
.....	23	0	9	28
.....	17	0	21	30
.....	22	0	33	24
.....	9	0	32	19
.....	20	0	31	21
.....	31	0	33	24
.....	12	0	35	36
.....	27	0	35	49
.....	18	0	35	34
.....	7	0	25	19
.....	7	0	15	17
.....	6	0	25	15
.....	4	0	35	15
.....	4	0	32	15
.....	2	0	29	9
.....	1	0	28	4
.....	0	0	27	3
.....	10	0	27	2
.....	6	0	27	2
.....	.....	19	18	.....
.....	15	3	25	19
.....	33	19	37	49
.....	0	0	9	2
.....	918	157	1525	1154

Water used 3,754 A.F.

DISCHARGE OF GRAVEL CREEK—Sec. 9-14-36 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	3	3	3	3	2	3	3	2	3	3	3
2	3	3	3	3	3	2	3	3	2	3	3	3
3	3	3	3	3	3	2	3	3	2	3	3	3
4	3	3	3	3	3	2	3	3	2	3	3	3
5	3	3	3	3	3	2	3	3	2	3	3	3
6	3	3	3	3	3	3	3	3	2	3	3	3
7	3	3	3	3	3	3	3	3	2	3	3	3
8	3	3	3	3	3	3	3	3	2	3	3	3
9	3	3	3	3	3	3	3	3	2	3	3	3
10	3	3	3	3	3	3	3	3	2	3	3	3
11	3	3	3	3	2	3	3	3	2	3	3	3
12	3	3	3	3	2	3	3	3	2	3	3	3
13	3	3	3	3	2	3	3	3	2	3	3	3
14	3	3	3	3	2	3	3	3	2	3	3	3
15	3	3	3	3	2	3	3	3	2	3	3	3
16	3	3	3	3	2	3	3	3	3	3	3	3
17	3	3	3	3	2	3	3	3	3	3	3	3
18	3	3	3	3	2	3	3	3	3	3	3	3
19	3	3	3	3	2	3	3	3	3	3	3	3
20	3	3	3	3	2	3	3	3	3	3	3	3
21	3	3	3	3	2	3	3	3	3	3	3	3
22	3	3	3	3	2	3	3	3	3	3	3	3
23	3	3	3	3	2	3	3	3	3	3	3	3
24	3	3	3	3	2	3	3	3	3	3	3	3
25	3	3	3	3	2	3	3	3	3	3	3	3
26	3	3	3	3	2	3	3	3	3	3	3	3
27	3	3	3	3	2	3	3	3	3	3	3	3
28	3	3	3	3	2	3	3	3	3	3	3	3
29	3	3	3	3	2	3	3	3	3	3	3	3
30	3	3	3	3	—	3	3	3	3	3	3	3
31	3	—	3	3	....	3	....	3	—	3	3	....
Mean	3	3	3	3	2	3	3	3	3	3	3	3
Max.	3	3	3	3	3	3	3	3	3	3	3	3
Min.	3	3	3	3	2	2	3	3	2	3	3	3
A. F.	184	179	184	184	135	174	179	184	149	184	184	179

Total Acre-feet 2,099

DISCHARGE OF HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	*	*	15	40	25	21	22	74	67	256	117
2	38	—	—	15	40	21	23	23	89	78	232	134
3	50	—	—	15	42	25	22	21	45	81	182	112
4	50	—	....	15	31	26	22	19	40	67	137	108
5	50	†30	—	15	31	28	21	400	89	85	128	117
6	50	*	—	13	55	28	24	64	78	81	119	104
7	56	....	....	20	58	19	22	97	40	74	97	97
8	50	—	†67	20	55	47	22	47	42	67	114	74
9	50	....	*	20	108	47	32	29	50	61	114	110
10	50	—	—	20	172	45	27	25	52	67	102	102
11	41	—	....	25	114	45	23	21	50	78	89	151
12	47	....	....	25	132	40	23	18	64	74	102	114
13	41	—	—	25	119	18	22	17	85	93	123	156
14	35	—	—	25	52	40	19	16	74	93	102	106
15	35	—	—	25	67	19	19	16	128	97	119	137
16	35	....	—	30	47	61	19	16	366	33	97	156
17	35	....	—	30	66	45	19	16	436	146	119	151
18	35	....	....	30	64	34	19	16	490	172	119	151
19	35	—	—	30	66	32	19	15	454	119	119	123
20	35	—	—	30	70	39	18	350	508	110	119	166
21	47	—	—	35	66	33	18	25	508	95	119	156
22	41	—	....	35	83	33	18	31	366	112	102	151
23	35	—	....	35	76	20	67	22	326	125	89	182
24	35	....	....	35	55	28	52	26	185	154	97	182
25	35	—	—	35	68	26	33	40	114	134	102	70
26	35	—	—	39	54	25	28	26	87	123	106	238
27	35	—	—	38	46	25	29	29	70	137	119	210
28	35	....	—	40	34	23	26	45	85	110	137	232
29	26	....	—	35	30	23	26	29	55	151	156	204
30	35	....	....	35	—	23	26	35	67	161	151	166
31	47	—	....	40	—	22	....	97	....	300	146	.....
Mean	41	43	39	27	67	31	25	53	171	108	126	143
Max.	56	—	....	40	172	61	67	400	508	300	256	238
Min.	26	—	—	13	30	18	18	15	40	33	89	70
A. F.	2530	2560	2400	1680	3850	1910	1510	3280	10200	6640	7750	8510

Total Acre-feet 52,800

*No record

†Estimated

DISCHARGE OF INDIAN CREEK NEAR NORTHPORT WYE—Sec. 19-20-50 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	9	7	6	5	5	4	6	7	8	26	22
2	20	9	7	6	5	5	4	6	7	11	27	21
3	20	9	7	6	5	5	4	6	7	18	22	20
4	20	9	7	6	5	5	4	6	7	9	16	23
5	20	9	7	6	5	5	4	6	7	9	14	26
6	15	9	7	6	5	4	4	6	10	16	11	25
7	15	9	7	6	5	4	4	6	10	9	13	24
8	15	9	7	6	5	4	4	6	10	10	15	24
9	15	9	7	6	5	4	4	6	10	11	15	24
10	15	9	7	6	5	4	4	6	10	11	15	29
11	10	9	7	6	5	5	4	6	10	14	14	34
12	10	9	7	6	5	5	4	6	10	10	13	34
13	10	9	7	6	5	5	4	6	10	13	13	34
14	10	9	7	6	5	5	4	6	10	15	13	32
15	10	9	7	6	5	5	4	6	10	15	14	30
16	10	8	7	6	5	5	5	6	15	16	15	30
17	10	8	7	6	5	5	5	6	15	16	16	30
18	10	8	7	6	5	5	5	6	15	17	18	30
19	10	8	7	6	5	5	5	6	15	18	18	30
20	10	8	7	6	5	5	5	6	15	22	17	30
21	10	8	7	6	5	5	5	7	15	27	17	29
22	10	8	7	6	5	5	5	7	15	20	17	28
23	10	8	7	6	5	5	5	7	21	13	18	27
24	10	8	7	6	5	5	5	7	19	17	20	32
25	10	8	7	6	5	5	5	7	26	21	19	36
26	10	8	7	6	5	5	6	7	5	19	18	34
27	10	8	7	6	5	5	6	7	11	17	22	33
28	10	8	7	6	5	5	6	7	9	18	25	33
29	10	8	7	6	5	5	6	7	6	18	25	33
30	10	8	7	6	—	5	6	7	9	22	25	33
31	10	—	7	6	—	5	—	7	—	26	24	—
Mean	12	8	7	6	5	5	5	6	12	16	18	29
Max.	20	9	7	6	5	5	6	7	26	26	27	36
Min.	10	8	7	6	5	4	4	6	5	8	11	20
A. F.	764	506	430	369	287	297	278	391	686	964	1101	1725

Total Acre-feet 7,798

DISCHARGE OF KEITH-LINCOLN COUNTY DRAIN—Sec. 23-14-35 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	3	3	3	3	3	3	1	4	2	2	2
2	3	3	3	3	3	3	3	1	4	2	2	2
3	3	3	3	3	3	3	3	1	4	2	2	2
4	3	3	3	3	3	3	3	1	4	2	2	2
5	3	3	3	3	3	3	3	1	4	2	2	2
6	3	3	3	4	3	2	3	1	2	3	2	2
7	3	3	3	4	3	2	3	1	2	3	2	2
8	3	3	3	4	3	2	3	1	2	3	2	2
9	3	3	3	4	3	2	3	1	2	3	2	2
10	3	3	3	4	3	2	3	1	2	3	2	2
11	3	3	3	3	3	3	3	1	2	3	2	2
12	3	3	3	3	3	3	3	1	2	3	2	2
13	3	3	3	3	3	3	3	1	2	3	2	2
14	3	3	3	3	3	3	3	1	2	3	2	2
15	3	3	3	3	3	3	3	1	2	3	2	2
16	3	3	3	3	3	4	2	2	2	3	2	2
17	3	3	3	3	3	4	2	2	2	3	2	2
18	3	3	3	3	3	4	2	2	2	3	2	2
19	3	3	3	3	3	4	2	2	2	3	2	2
20	3	3	3	3	3	4	2	2	2	3	2	2
21	3	3	3	2	3	3	2	2	1	3	2	2
22	3	3	3	2	3	3	2	2	1	3	2	2
23	3	3	3	2	3	3	2	2	1	3	2	2
24	3	3	3	2	3	3	2	2	1	3	2	2
25	3	3	3	2	3	3	2	2	1	3	2	2
26	3	3	3	2	3	3	2	2	1	3	2	2
27	3	3	3	2	3	3	2	2	1	3	2	2
28	3	3	3	2	3	3	2	2	1	3	2	2
29	3	3	3	2	3	3	2	2	1	3	2	2
30	3	3	3	2	—	3	2	2	1	3	2	2
31	3	—	3	2	—	3	—	2	—	3	2	—
Mean	3	3	3	3	3	3	2	2	2	3	2	2
Max.	3	3	3	4	3	4	3	2	4	3	2	2
Min.	3	3	3	2	3	2	2	1	1	2	2	2
A. F.	184	178	184	172	172	184	149	93	119	174	123	119

Total Acre-feet 1,851

DISCHARGE OF LANE DRAIN—Sec. 30-23-57 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	2	2	2	2	1	2	1	2	4	7	7
2	3	2	2	2	2	1	2	1	2	4	7	7
3	3	2	2	2	2	1	2	1	2	4	7	7
4	3	2	2	2	2	1	2	1	2	4	7	7
5	3	2	2	2	2	1	2	1	2	4	7	7
6	3	2	2	2	2	1	2	1	2	4	7	7
7	3	2	2	2	2	1	2	1	2	4	7	7
8	3	2	2	2	2	1	2	1	2	4	7	7
9	3	2	2	2	2	1	2	1	2	4	7	7
10	3	2	2	2	2	1	2	1	2	4	7	7
11	3	2	2	2	2	1	1	1	2	4	7	7
12	3	2	2	2	2	1	1	1	2	4	7	7
13	3	2	2	2	2	1	1	1	2	4	7	7
14	3	2	2	2	2	1	1	1	2	4	7	7
15	3	2	2	2	2	1	1	1	2	4	7	7
16	3	2	2	2	1	1	1	1	2	6	7	5
17	3	2	2	2	1	1	1	1	2	6	7	5
18	3	2	2	2	1	1	1	1	2	6	7	5
19	3	2	2	2	1	1	1	1	2	6	7	5
20	3	2	2	2	1	1	1	1	2	6	7	5
21	3	2	2	1	1	1	1	2	2	6	7	5
22	3	2	2	1	1	1	1	2	2	6	7	5
23	3	2	2	1	1	1	1	2	2	6	7	5
24	3	2	2	1	1	1	1	2	2	6	7	5
25	3	2	2	1	1	1	1	2	2	6	7	5
26	3	2	2	1	1	1	1	2	2	6	7	5
27	3	2	2	1	1	1	1	2	2	6	7	5
28	3	2	2	1	1	1	1	2	2	6	7	5
29	3	2	2	1	1	1	1	2	2	6	7	5
30	3	2	2	1	—	1	1	2	2	6	7	5
31	3	—	2	1	—	1	....	2	—	5	7	—
Mean	3	2	2	2	1	1	1	1	2	5	7	6
Max.	3	2	2	2	2	1	2	2	2	6	7	7
Min.	3	2	2	1	1	1	1	1	2	4	7	5
A. F.	184	119	123	101	87	61	79	83	119	309	430	357

Total Acre-feet 2,052

DISCHARGE OF LEWELLEN DRAIN—Sec. 28-16-42 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	2	2	1.5	1	1	1	1.5	1	1	1.0	1
2	3	2	2	1.5	1	1	1	1.5	1	1	1.0	1
3	3	2	2	1.5	1	1	1	1.5	1	1	1.0	1
4	3	2	2	1.5	1	1	1	1.5	1	1	1.0	1
5	3	2	2	1.5	1	1	1	1.5	1	1	1.0	1
6	3	2	2	1.5	1	1	1	1.5	1	1	1.0	1
7	3	2	2	1.5	1	1	1	1.5	1	1	1.0	1
8	3	2	2	1.5	1	1	1	1.5	1	1	1.0	1
9	3	2	2	1.5	1	1	1	1.5	1	1	1.0	1
10	3	2	2	1.5	1	1	1	1.5	1	1	1.0	1
11	3	2	2	1.5	1	1	1	1.5	1	2	1.0	1
12	3	2	2	1.5	1	1	1	1.5	1	2	1.0	1
13	3	2	2	1.5	1	1	1	1.5	1	2	1.0	1
14	3	2	2	1.5	1	1	1	1.5	1	2	1.0	1
15	3	2	2	1.5	1	1	1	1.5	1	2	1.0	1
16	3	2	2	1.0	1	1	1	1.5	1	2	1.0	1
17	3	2	2	1.0	1	1	1	1.5	1	2	1.0	1
18	3	2	2	1.0	1	1	1	1.5	1	2	1.0	1
19	3	2	2	1.0	1	1	1	1.5	1	2	1.0	1
20	3	2	2	1.0	1	1	1	1.5	1	2	1.0	1
21	3	2	1	1.0	2	1	1	1.5	1	1	1.5	2
22	3	2	1	1.0	2	1	1	1.5	1	1	1.5	2
23	3	2	1	1.0	2	1	1	1.5	1	1	1.5	2
24	3	2	1	1.0	2	1	1	1.5	1	1	1.5	2
25	3	2	1	1.0	2	1	1	1.5	1	1	1.5	2
26	3	2	1	1.0	2	1	1	1.5	1	1	1.5	2
27	3	2	1	1.0	2	1	1	1.5	1	1	1.5	2
28	3	2	1	1.0	2	1	1	1.5	1	1	1.5	2
29	3	2	1	1.0	2	1	1	1.5	1	1	1.5	2
30	3	2	1	1.0	....	1	1	1.5	1	1	1.5	2
31	3	....	1	1.0	—	1	—	1.5	—	1	1.5	—
Mean	3	2	2	1.0	1	1	1	1.5	1	1	1.0	1
Max.	3	2	2	1.5	2	1	1	1.5	1	2	1.5	2
Min.	3	2	1	1.0	1	1	1	1.5	1	1	1.0	1
A. F.	184	119	101	75.0	75	61	60	91.0	60	81	71.0	79

Total Acre-feet 1,057

DISCHARGE OF LINCOLN COUNTY DRAIN NO. 1—Sec. 30-14-30 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	83	70	55	55	50	50	45	40	103	100	115	122
2	83	70	55	55	50	50	45	40	105	100	112	124
3	83	70	55	55	50	50	45	40	107	108	109	122
4	83	70	55	55	50	50	45	40	109	107	105	121
5	83	70	55	55	50	50	45	40	113	99	101	120
6	85	70	55	55	50	40	45	40	109	102	103	119
7	85	70	55	55	50	40	45	40	105	99	105	120
8	85	70	55	55	50	40	45	40	103	94	104	120
9	85	70	55	55	50	40	45	40	103	100	103	118
10	85	70	55	55	50	40	45	40	99	105	104	117
11	85	60	54	55	50	45	45	50	107	105	105	116
12	85	60	54	55	50	45	45	50	111	100	104	115
13	85	60	54	55	50	45	45	50	111	102	102	113
14	85	60	54	55	50	45	45	50	111	102	102	111
15	85	60	54	55	50	45	45	50	107	97	103	109
16	85	60	54	50	55	45	40	70	105	97	104	107
17	85	60	54	50	55	45	40	70	99	95	106	106
18	85	60	54	50	55	45	40	70	102	92	104	106
19	85	60	54	50	55	45	40	70	113	96	102	102
20	85	60	54	50	55	45	40	70	103	99	100	99
21	85	55	54	50	55	45	40	80	105	98	99	98
22	85	55	54	50	55	45	40	80	105	97	101	97
23	85	55	54	50	55	45	40	80	110	100	103	98
24	85	55	54	50	55	45	40	80	103	102	100	99
25	85	55	54	50	55	45	40	80	99	102	97	98
26	85	55	54	50	50	45	40	90	100	102	102	97
27	85	55	54	50	50	45	40	90	102	102	107	94
28	80	55	54	50	50	45	40	90	102	102	112	91
29	75	55	54	50	50	45	40	90	95	100	117	90
30	70	55	54	50	....	45	40	90	103	99	118	89
31	70	—	54	50	....	45	—	90	—	107	119	—
Mean	83	62	54	52	52	45	42	63	105	100	105	108
Max.	85	70	55	55	55	50	45	90	113	108	119	124
Min.	70	55	54	50	50	40	40	40	95	92	97	89
A.F.	5117	3669	3340	3223	2975	2767	2529	3848	6246	6169	6482	6423

Total Acre-feet 52,788

DISCHARGE OF LINCOLN COUNTY DRAIN NO. 2—Sec. 12-14-33 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	5	5	5	5	5	4	5	8	11	10	9
2	5	5	5	5	5	5	4	5	8	11	10	9
3	5	5	5	5	5	5	4	5	8	11	10	9
4	5	5	5	5	5	5	4	5	8	11	10	9
5	5	5	5	5	5	5	4	5	28	11	10	9
6	5	5	5	5	5	4	4	5	9	6	10	9
7	5	5	5	5	5	4	4	5	9	6	10	9
8	5	5	5	5	5	4	4	5	10	6	8	9
9	5	5	5	5	5	4	4	5	8	7	8	9
10	5	5	5	5	5	4	4	5	7	7	8	9
11	5	5	5	5	5	6	4	5	7	7	8	9
12	5	5	5	5	5	6	4	5	7	7	8	9
13	5	5	5	5	5	6	4	5	8	7	9	9
14	5	5	5	5	5	6	4	5	8	8	8	9
15	5	5	5	5	5	6	4	5	8	8	8	9
16	5	5	5	5	5	6	5	5	8	9	8	9
17	5	5	5	5	5	6	5	5	9	9	8	9
18	5	5	5	5	5	6	5	5	9	9	8	9
19	5	5	5	5	5	6	5	5	10	9	8	9
20	5	5	5	5	5	6	5	5	10	9	8	9
21	5	5	5	5	5	5	5	6	9	9	9	7
22	5	5	5	5	5	5	5	6	11	10	9	7
23	5	5	5	5	5	5	5	6	12	10	9	7
24	5	5	5	5	5	5	5	6	13	10	9	7
25	5	5	5	5	5	5	5	6	8	10	9	7
26	5	5	5	5	5	5	5	6	8	10	9	7
27	5	5	5	5	5	5	5	6	8	10	9	7
28	5	5	5	5	5	5	5	6	9	10	9	7
29	5	5	5	5	5	5	5	6	10	10	9	7
30	5	5	5	5	....	5	5	6	10	10	9	7
31	5	—	5	5	—	5	....	6	—	10	9	....
Mean	5	5	5	5	5	5	5	5	10	9	9	8
Max.	5	5	5	5	5	6	5	6	28	11	10	9
Min.	5	5	5	5	5	4	4	5	7	6	8	7
A.F.	307	297	307	307	287	317	268	329	565	551	543	496

Total Acre-feet 4,574

DISCHARGE OF LODGEPOLE CREEK ABOVE KIMBALL RESERVOIR—Sec. 33-15-57 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	*	*	*	*	23	21	18	16	14	11	11
2	10	....	—	—	—	25	21	19	15	14	10	11
3	11	....	—	....	....	24	21	19	16	13	10	11
4	11	—	—	—	—	22	21	19	15	13	10	11
5	11	—	—	—	†16	20	21	19	15	12	10	11
6	12	....	....	—	....	27	21	19	15	12	10	11
7	12	—	—	—	—	23	21	19	13	12	10	11
8	13	—	—	—	....	27	21	19	12	11	10	11
9	13	—	....	....	—	25	22	19	12	11	10	11
10	12	—	—	—	....	22	22	19	45	11	10	11
11	12	—	—	—	—	22	21	19	18	11	9	11
12	12	—	—	—	—	22	21	19	16	11	11	11
13	12	—	—	—	....	24	20	19	15	12	10	11
14	12	—	....	....	—	23	20	19	13	11	10	11
15	12	—	—	—	....	24	20	19	13	11	10	11
16	12	†17	—	—	—	25	20	19	12	12	10	11
17	12	—	....	....	—	25	20	19	11	13	10	11
18	12	....	—	—	—	24	20	19	12	13	10	11
19	12	—	—	—	—	25	20	17	12	11	10	11
20	12	....	....	—	—	23	20	17	12	11	9	11
21	12	—	—	....	—	23	21	17	12	11	9	11
22	12	—	—	—	—	22	20	16	11	10	9	11
23	12	....	—	—	—	21	21	15	11	11	9	11
24	11	—	—	—	—	21	21	15	11	11	10	11
25	11	....	....	—	—	21	21	15	11	12	10	12
26	11	—	—	....	—	21	20	15	10	11	10	12
27	13	—	—	—	—	21	19	15	69	11	11	12
28	13	—	....	....	—	21	20	16	30	11	11	12
29	13	....	—	—	—	18	21	18	20	11	11	12
30	13	—	—	—	—	23	20	16	16	12	11	12
31	14	....	....	—	....	21	—	16	—	12	10	—
Mean	12	16	15	14	18	23	21	18	17	12	10	11
Max.	14	—	—	—	—	27	22	19	69	14	11	12
Min.	9	—	—	—	....	18	19	15	10	10	9	11
A. F.	732	952	922	861	1040	1400	1230	1090	1010	719	615	666

Total Acre-feet 11,200

*No record

†Estimated

DISCHARGE OF LONERGAN CREEK—Sec. 19-15-39 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	4	7	10	10	10	5	5	5	6	4	6
2	3	4	7	10	10	10	5	5	5	6	3	6
3	3	4	7	10	10	10	5	5	5	6	2	6
4	3	4	7	10	10	10	5	5	5	6	1	5
5	3	4	7	10	10	10	5	5	5	6	1	6
6	4	4	7	10	10	8	5	5	5	6	1	6
7	4	4	7	10	10	8	5	5	5	2	1	6
8	4	4	7	10	10	8	5	5	1	2	1	6
9	4	4	7	10	10	8	5	5	1	2	1	6
10	4	4	7	10	10	8	5	5	1	2	1	7
11	4	4	6	10	10	10	5	5	1	2	2	6
12	4	4	6	10	10	10	5	5	1	2	1	6
13	4	4	6	10	10	10	5	5	1	2	1	6
14	4	4	6	10	10	10	5	5	1	2	1	6
15	4	4	6	10	10	10	5	5	1	2	1	6
16	5	4	6	9	8	10	6	5	1	2	1	7
17	5	4	6	9	8	10	6	5	1	3	1	8
18	5	4	6	9	8	10	6	5	1	3	2	8
19	5	4	6	9	8	10	6	5	1	4	3	8
20	5	4	6	9	8	10	6	5	1	4	3	4
21	6	4	8	9	12	8	6	4	1	4	3	4
22	6	4	8	9	12	8	6	4	1	4	4	4
23	6	4	8	9	12	8	6	4	1	5	5	4
24	6	4	8	9	12	8	6	4	1	5	6	4
25	6	4	8	9	12	8	6	4	6	5	6	4
26	5	5	8	9	12	8	6	4	6	4	7	4
27	5	5	8	9	12	8	6	4	6	4	7	5
28	5	5	8	9	12	8	6	4	6	4	7	5
29	5	5	8	9	12	8	6	4	6	4	6	5
30	5	5	8	9	—	8	6	4	6	4	6	5
31	5	....	8	9	....	8	—	4	—	4	6	—
Mean	5	4	7	9	10	9	6	5	3	4	3	6
Max.	6	5	8	10	12	10	6	5	6	6	7	8
Min.	3	4	6	9	8	8	5	4	1	2	1	4
A. F.	278	248	432	583	591	551	327	285	174	232	188	335

Total Acre-feet 4,224

DISCHARGE OF LOST CREEK—Sec. 1-16-44 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	3	3	2	3	5	6	7	7	4	3	3
2	7	3	3	2	3	5	6	7	8	4	6	6
3	7	3	3	2	3	5	6	7	8	3	6	8
4	7	3	3	2	3	5	6	7	6	3	6	9
5	7	3	3	2	3	5	6	7	6	4	3	9
6	7	3	3	2	3	3	6	7	6	4	9	10
7	7	3	3	2	3	3	6	7	6	3	6	10
8	7	3	3	2	3	3	6	7	10	3	4	7
9	7	3	3	2	3	3	6	7	10	3	5	4
10	7	3	3	2	3	3	6	7	10	3	7	7
11	7	3	3	2	3	5	6	5	10	5	8	10
12	7	3	3	2	3	5	6	5	10	3	9	8
13	7	3	3	2	3	5	6	5	10	3	7	6
14	7	3	3	2	3	5	6	5	10	3	3	6
15	7	3	3	2	3	5	6	5	10	3	3	5
16	6	3	2	2	3	7	7	5	8	2	2	5
17	6	3	2	2	3	7	7	5	8	2	3	5
18	6	3	2	2	3	7	7	5	8	2	4	4
19	6	3	2	2	3	7	7	5	8	2	5	4
20	6	3	2	2	3	7	7	5	8	1	5	5
21	4	3	2	2	5	6	7	5	6	1	7	7
22	4	3	2	2	5	6	7	5	6	1	9	7
23	4	3	2	2	5	6	7	5	6	2	9	9
24	4	3	2	2	5	6	7	5	6	2	8	10
25	4	3	2	2	5	6	7	5	4	2	9	11
26	4	3	2	2	5	6	7	6	4	2	11	12
27	4	3	2	2	5	6	7	6	4	2	14	12
28	4	3	2	2	5	6	7	6	4	2	16	10
29	4	3	2	2	5	6	7	6	6	2	15	9
30	4	3	2	2	—	6	7	6	5	2	13	9
31	4	....	2	2	—	6	—	6	....	3	8	....
Mean	6	3	2	2	4	5	6	6	7	3	7	8
Max.	7	3	3	2	5	7	7	7	10	5	16	12
Min.	4	3	2	2	3	3	6	5	4	1	2	3
A. F.	355	179	153	123	208	329	387	359	432	161	442	450

Total Acre-feet 3,578

DISCHARGE OF LOUP RIVER, NORTH, AT ST. PAUL—Sec. 22-15-10 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	782	771	980	716	625	1150	989	951	2000	725	879	674
2	802	750	938	636	625	1070	927	855	9500	716	855	628
3	782	771	950	613	625	1070	951	813	1960	1240	771	636
4	802	733	850	651	625	780	975	792	1210	1100	975	643
5	782	813	1010	600	625	350	891	771	951	963	1060	636
6	802	867	1200	650	775	255	867	915	879	927	792	628
7	824	855	1290	650	775	285	927	1020	1030	891	782	620
8	844	834	1360	650	775	200	855	975	8510	867	683	590
9	813	879	1390	650	775	190	813	855	5080	1440	1030	613
10	802	951	1220	650	775	180	834	750	1660	708	700	802
11	813	939	1370	700	950	250	927	733	1180	651	651	834
12	844	1030	1290	700	950	500	915	716	1550	651	760	903
13	903	975	1210	700	950	800	903	716	1300	651	700	834
14	1000	1030	963	700	950	1100	879	683	1210	620	725	813
15	951	915	867	700	1050	1300	879	683	1240	590	733	792
16	951	903	1100	725	1200	1750	891	733	1180	584	700	750
17	855	927	1180	725	1200	2840	903	683	1850	605	760	725
18	813	879	1360	725	1200	1660	975	658	1490	620	725	708
19	834	975	1480	725	1200	1250	1060	613	1750	643	636	691
20	834	1210	1720	827	1200	1040	1000	643	2020	651	834	708
21	834	1060	1550	750	1250	1180	975	636	1510	636	708	760
22	834	1090	1550	750	1250	951	1020	666	1770	1510	636	760
23	844	834	1660	750	1250	903	1090	643	1460	733	598	750
24	813	700	1410	750	1250	1060	1360	708	1340	683	605	760
25	844	636	1390	750	1250	1060	1320	824	1920	700	666	760
26	834	680	1290	650	1800	1000	1270	2040	951	691	683	760
27	771	694	1070	650	7840	1180	1000	1240	879	700	834	844
28	855	760	915	650	5000	1090	903	1220	855	683	802	879
29	855	980	834	650	2300	1030	927	1210	844	700	771	813
30	834	980	989	471	——	1090	951	1160	834	716	700	824
31	792	——	1150	490	.....	1060	—.....	8860	—.....	951	700	——
Mean	837	881	1210	678	1420	956	973	1120	2000	792	757	738
Max.	1000	1210	1720	827	7840	2840	1360	8860	9500	1510	1060	903
Min.	771	636	834	471	625	180	813	613	834	584	598	590
A. F.	51500	52400	74400	41700	81700	58800	57900	68900	119000	48700	46500	43900

Total Acre-feet 745,000

DISCHARGE OF LOUP RIVER, MIDDLE, AT ST. PAUL—Sec. 10-14-10 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1020	930	1150	2500	900	1920	1100	1120	7830	1450	3080	870
2	1080	900	1180	1580	900	1450	1080	885	10300	1780	2060	915
3	1030	1070	1100	825	900	1240	1180	930	5550	1860	1270	810
4	1050	1050	1050	1150	900	1000	1240	1020	1940	2250	2860	754
5	1120	1050	916	850	900	850	1130	981	1980	855	2590	780
6	1100	915	1200	868	950	800	1030	998	1900	855	2500	767
7	1120	981	1200	810	950	750	1070	1120	1980	900	1920	825
8	1270	1020	1200	810	950	650	885	840	9430	810	1050	855
9	1360	885	1200	810	950	600	780	998	11400	810	1180	900
10	1320	1170	1200	810	950	550	981	1020	2250	1310	1340	1050
11	1380	1220	1540	810	1000	650	855	998	1380	998	1450	1200
12	1610	1180	1500	810	1040	750	754	947	2450	810	1500	1220
13	1560	1170	1500	810	1050	850	915	947	3080	702	1220	1170
14	1470	1170	1470	810	1050	1000	947	855	2170	702	1080	981
15	1450	1020	1400	810	1050	1400	1050	1030	1670	715	1220	981
16	1300	1030	1580	780	1250	2800	1100	1120	1180	715	1080	1020
17	1250	1120	1760	780	1250	8620	1170	1050	1650	741	1020	981
18	1200	1100	1800	780	1250	2930	1130	825	2450	825	1030	1030
19	1200	1130	1760	780	1250	1780	1030	810	3080	780	930	810
20	1210	1290	1760	820	1250	1380	1030	702	2570	741	1400	1120
21	1200	1310	1760	870	1500	1560	1150	870	1740	767	930	1120
22	1200	840	1650	870	1500	1780	1130	767	1320	2170	689	1080
23	1220	750	1720	870	1500	1800	1410	900	1100	1760	702	1200
24	1150	750	1760	870	1500	1270	1540	1030	1170	1580	676	1030
25	1020	750	2040	870	1500	1240	1840	1290	1130	1030	689	930
26	728	720	2000	950	1400	1310	1320	1610	1150	930	676	1130
27	780	742	1800	950	6120	1290	1170	1470	1490	1080	930	1310
28	1200	1100	1900	950	3650	1340	1080	1520	1410	1410	1050	1240
29	900	1100	2210	950	2470	1380	1180	1310	1650	981	947	1270
30	795	1100	2520	1100	.....	1450	1130	1290	1630	900	915	1050
31	780	.....	2500	1000	.....	1320	.....	14200	.....	6550	915	.....
Mean	1160	1020	1590	944	1440	1540	1110	1470	3000	1280	1320	1010
Max.	1610	1310	2520	2500	6120	8620	1840	14200	11400	6550	3080	1310
Min.	728	720	916	780	900	550	754	702	1100	702	676	754
A.F.	71300	60700	97800	58000	82800	94700	66000	90400	179000	78700	81200	60100

Total Acre-feet 1,020,000

DISCHARGE OF LOUP RIVER AT GENOA—Sec. 25-17-4 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1710	1650	2660	2680	1320	5980	2450	1850	17400	*	*	*
2	1790	1750	2370	2840	1320	3940	2150	1960	17300	.....	.....	.....
3	1710	2000	2300	2970	1320	3030	2100	1930	11000	.....	.....	.....
4	1710	2100	2280	2840	1320	2680	2180	1920	3520	.....	.....	.....
5	1700	2060	2610	2470	1320	2450	2240	1900	3660	.....	.....	.....
6	1750	1970	2660	1780	1600	2600	2180	1740	3490	.....	.....	.....
7	1790	1930	2760	1600	1600	1800	2320	1760	2610	.....	.....	.....
8	1790	1870	2860	1400	1600	1300	2300	1780	4310	.....	.....	.....
9	1760	1880	3250	1400	1600	920	2040	1860	23500	.....	.....	.....
10	1780	1870	3420	1400	1600	490	1900	1870	8020	.....	.....	.....
11	1740	1990	2780	1300	1800	840	2210	1900	4010	.....	.....	.....
12	1790	1840	2840	1450	1800	1200	2260	1870	4160	.....	.....	.....
13	2280	2060	2890	1400	1800	1600	2230	1830	4200	.....	.....	.....
14	2370	2120	2780	1400	1800	2000	2210	1820	3900	.....	.....	.....
15	2340	2180	2320	1400	1800	2400	2130	1900	4090	.....	.....	.....
16	2280	2160	2020	1200	1850	6800	2230	1790	7700	.....	.....	.....
17	2260	2410	2130	1200	1850	12300	2230	1820	5740	.....	.....	.....
18	2230	2020	2130	1200	1850	5630	2390	1810	3940	.....	.....	.....
19	2160	1950	2520	838	1910	3190	2590	1640	6500	.....	.....	.....
20	2030	1930	3350	1000	2100	2470	2540	1690	6100	.....	.....	.....
21	1950	1860	3940	1300	2750	2020	2520	1640	3940	.....	.....	.....
22	1990	1580	4400	1300	2750	2280	2760	1640	3460	.....	.....	.....
23	1990	1480	3800	1300	2750	2520	2680	1650	3030	.....	.....	.....
24	2040	1300	3730	1300	2750	2260	3030	2000	2540	.....	.....	.....
25	2070	1080	4090	1300	2750	2130	3900	2360	2560	.....	.....	.....
26	2030	1080	3700	1350	5500	2370	2710	4160	3700	.....	.....	.....
27	1890	1490	3760	1350	20500	2540	2590	3280	3030	.....	.....	.....
28	2000	1750	3420	1350	19700	2890	2300	2630	3320	.....	.....	.....
29	2100	1920	3560	1350	8100	2780	2180	2970	2500	.....	.....	.....
30	1950	2390	2940	1350	.....	2780	2030	2730	2780	.....	.....	.....
31	1800	.....	2890	1350	.....	3100	.....	26400	.....	.....	.....	.....
Mean	1960	1860	3010	1560	3470	2940	2390	2840	5870	.....	.....	.....
Max.	2370	2410	4400	2970	20500	12300	3900	26400	23500	.....	.....	.....
Min.	1700	1080	2020	838	1320	490	1900	1640	2500	.....	.....	.....
A.F.	121000	111000	185000	95900	200000	181000	142000	175000	349000	.....	.....	.....

Total Acre-feet 1,560,000

*No record

DISCHARGE OF MELBETA DRAIN—Sec. 24-21-54 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	3	4	3	3	3	3	2	1	0	1	2
2	5	3	4	3	3	3	3	2	1	0	1	2
3	5	3	4	3	3	3	3	2	1	0	1	2
4	5	3	4	3	3	3	3	2	1	0	1	2
5	5	3	4	3	3	3	3	2	1	0	1	2
6	5	3	4	3	3	2	3	2	1	0	1	4
7	5	3	4	3	3	2	3	2	1	0	1	4
8	5	3	4	3	3	2	3	2	1	0	1	4
9	5	3	4	3	3	2	3	2	1	0	1	4
10	5	3	4	3	3	2	3	2	1	0	1	4
11	5	3	4	3	3	4	3	2	0	0	1	6
12	5	3	4	3	3	4	3	2	0	0	1	6
13	5	3	4	3	3	4	3	2	0	0	1	6
14	5	3	4	3	3	4	3	2	0	0	1	6
15	5	3	4	3	3	4	3	2	0	0	1	6
16	5	3	3	2	3	4	2	4	0	0	1	6
17	5	3	3	2	3	4	2	4	0	0	1	6
18	5	3	3	2	3	4	2	4	0	0	1	6
19	5	3	3	2	3	4	2	4	0	0	1	6
20	5	3	3	2	3	4	2	4	0	0	1	6
21	5	3	3	2	3	4	2	6	0	0	1	6
22	5	3	3	2	3	4	2	6	0	0	1	6
23	5	3	3	2	3	4	2	6	0	0	1	6
24	5	3	3	2	3	4	2	6	0	0	1	6
25	5	3	3	2	3	4	2	6	0	0	1	6
26	5	3	3	2	3	3	2	6	0	0	1	6
27	5	3	3	2	3	3	2	6	0	0	1	6
28	5	3	3	2	3	3	2	6	0	0	1	6
29	5	3	3	2	3	3	2	6	0	0	1	6
30	5	3	3	2	....	3	2	6	0	0	1	6
31	5	....	3	2	—	3	—	6	—	0	1	—
Mean	5	3	3	2	3	3	2	4	0	0	1	5
Max.	5	3	4	3	3	4	3	6	1	0	1	6
Min.	5	3	3	2	3	2	2	2	0	0	1	2
A. F.	307	179	214	153	173	204	149	230	20	0	61	298

Total Acre-feet 1,988

DISCHARGE OF MITCHELL SPILLWAY—Sec. 35-23-56 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	15	5	1	0	0	5	6	0	0	0	0
2	24	15	5	1	0	0	5	6	0	0	0	0
3	24	15	5	1	0	0	5	6	0	0	0	0
4	24	15	5	1	0	0	5	6	0	0	0	0
5	24	15	5	1	0	0	5	6	0	0	0	0
6	24	15	4	1	0	0	5	6	0	0	0	0
7	24	15	4	1	0	0	5	6	0	0	0	0
8	24	15	4	1	0	0	5	6	0	0	0	0
9	24	15	4	1	0	0	5	6	0	0	0	0
10	24	15	4	1	0	0	5	6	0	0	0	0
11	24	15	4	1	0	0	6	6	0	0	0	0
12	24	15	4	1	0	0	6	6	0	0	0	0
13	24	15	4	1	0	0	6	6	0	0	0	0
14	24	15	4	1	0	0	6	6	0	0	0	0
15	24	15	4	1	0	0	6	6	0	0	0	0
16	23	10	3	1	0	0	6	0	70	0	0	0
17	23	10	3	1	0	0	6	0	0	0	0	0
18	23	10	3	1	0	0	6	0	0	0	0	0
19	23	10	3	1	0	0	6	0	0	0	0	0
20	23	10	3	1	0	0	6	0	0	0	0	0
21	23	10	3	1	0	0	8	0	0	0	0	0
22	23	10	3	1	0	0	8	0	0	0	0	0
23	23	10	3	1	0	0	8	0	0	0	0	0
24	23	10	3	1	0	0	8	0	0	0	0	0
25	23	10	3	1	0	0	8	0	0	0	0	0
26	20	10	2	1	0	0	8	0	0	0	0	0
27	20	10	2	1	0	0	8	0	0	0	0	0
28	20	10	2	1	0	0	8	0	0	0	0	0
29	20	10	2	1	0	0	8	0	0	0	0	0
30	20	10	2	1	—	0	8	0	0	0	0	0
31	20	....	2	1	—	0	—	0	....	0	0	—
Mean	23	12	3	1	0	0	6	3	2	0	0	0
Max.	24	15	5	1	0	0	8	6	70	0	0	0
Min.	20	10	2	1	0	0	5	0	0	0	0	0
A. F.	1408	744	212	61	0	0	377	179	139	0	0	0

Total Acre-feet 3,120

DISCHARGE OF NINE MILE DRAIN AT McGREW—Sec. 25-21-53 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	190	150	135	110	93	93	90	88	113	152	204	232
2	190	150	135	110	93	93	90	86	113	156	204	256
3	190	150	135	110	93	93	90	86	119	156	196	232
4	190	150	135	110	93	93	90	86	116	163	204	212
5	190	150	135	110	93	90	90	86	122	163	196	204
6	180	145	135	110	93	90	90	88	122	163	196	212
7	180	145	135	110	93	88	88	86	122	152	212	212
8	180	145	135	110	93	88	88	86	128	160	204	204
9	180	145	135	110	96	90	88	83	122	152	190	204
10	180	145	135	110	98	96	86	84	132	160	212	212
11	175	145	130	100	98	93	86	86	135	156	204	212
12	175	145	130	100	98	96	86	86	132	160	222	212
13	175	145	130	100	98	101	88	81	138	168	385	232
14	175	145	130	100	98	98	86	81	142	178	270	256
15	175	145	130	100	98	96	83	83	142	172	232	244
16	170	140	130	100	98	96	83	83	146	178	212	232
17	170	140	130	100	98	96	86	83	160	190	204	232
18	170	140	130	100	98	96	88	83	172	190	204	232
19	170	140	130	100	97	96	86	86	168	183	244	232
20	170	140	130	100	97	96	83	107	168	178	212	232
21	165	140	120	100	96	98	83	107	160	172	212	222
22	165	140	120	100	96	96	83	93	160	190	222	222
23	165	140	120	100	96	96	128	93	160	190	190	232
24	165	140	120	100	96	93	98	86	146	183	190	256
25	165	140	120	100	93	93	98	90	152	196	222	256
26	160	135	120	95	93	93	88	93	156	178	222	256
27	160	135	120	95	93	93	88	96	152	190	244	232
28	160	135	120	95	93	93	96	98	149	212	244	232
29	160	135	120	93	96	90	90	104	156	212	232	232
30	160	135	120	88	.....	90	88	104	156	212	204	315
31	160	.....	120	90	.....	90	.....	107	.....	212	244	.....
Mean	173	147	128	102	95	94	90	90	142	177	220	232
Max.	190	150	135	110	98	101	128	107	172	212	385	315
Min.	160	135	120	88	93	90	83	81	113	152	190	204
A. F.	10600	8750	7870	6260	5490	5760	5330	5530	8450	10900	13500	13800

Total Acre-feet 102,240

DISCHARGE OF NIOBRARA RIVER AT DUNLAP—Sec. 27-29-48 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	*	*	*	*	101	80	54	34	23	17	22
2	18	—	—	....	....	89	79	53	32	19	22	19
3	18	—	—	....	34	85	80	52	32	22	21	19
4	13	—	....	....	....	80	79	51	31	20	25	23
5	12	—	—	....	—	75	75	202	21	17	26	23
6	12	—	....	....	....	71	73	449	20	17	26	22
7	12	—	—	....	—	60	67	137	17	15	22	22
8	12	—	....	....	....	48	67	52	14	17	22	20
9	12	19	—	—	....	44	69	50	27	17	22	19
10	11	—	—	....	....	40	67	47	16	16	22	18
11	19	....	—	....	—	45	67	43	15	17	20	22
12	20	—	....	....	—	57	67	46	15	16	19	21
13	10	—	—	....	—	53	65	45	13	28	20	19
14	15	....	—	....	....	79	67	47	13	17	19	16
15	14	—	—	....	—	83	62	42	13	17	20	18
16	16	—	....	....	—	87	61	45	17	20	19	17
17	16	....	—	....	—	89	58	45	17	20	18	18
18	19	—	—	....	....	107	59	45	16	18	17	18
19	20	—	—	....	—	95	49	44	16	19	14	6
20	20	....	....	....	—	103	30	43	18	19	14	5
21	22	—	—	....	—	95	28	44	22	19	12	5
22	22	—	—	....	....	95	24	42	33	20	12	1
23	30	....	—	....	—	95	52	40	21	22	12	2
24	30	—	....	....	—	91	81	38	21	17	12	2
25	29	—	—	....	—	90	84	37	19	16	24	2
26	29	....	—	....	....	87	84	36	51	17	27	2
27	29	—	....	....	—	86	83	37	50	34	23	2
28	29	—	....	....	—	85	83	38	35	22	26	2
29	28	....	—	....	—	83	56	36	34	19	24	2
30	29	—	—	....	....	82	59	36	21	17	26	2
31	29	—	—	....	—	79	....	36	....	17	24	....
Mean	19	25	25	20	40	79	65	65	24	19	20	13
Max.	30	—	—	....	....	107	84	449	51	34	27	23
Min.	7	....	—	....	—	40	24	36	13	15	12	1
A. F.	1190	1490	1540	1230	2300	4880	3880	3990	1400	1180	1240	774

Total Acre-feet 25,100

*No record.

DISCHARGE OF OTTER CREEK NEAR LEMOYNE—Sec. 9-15-40 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	25	28	29	23	27	23	25	18	22	8	30
2	18	25	28	29	23	27	22	25	20	22	8	30
3	17	25	28	29	23	25	24	27	21	22	8	28
4	16	25	28	29	23	28	24	27	15	20	8	28
5	17	25	28	29	23	13	25	29	9	15	8	28
6	17	25	28	29	23	15	11	28	12	5	9	29
7	17	25	28	29	23	15	18	26	4	9	11	29
8	18	25	28	29	23	15	22	27	2	10	9	28
9	22	25	28	29	23	15	22	26	2	10	6	25
10	24	25	28	29	23	15	23	29	9	10	8	25
11	16	25	28	29	23	20	23	26	14	10	12	23
12	25	25	28	29	23	20	25	26	13	12	11	25
13	25	25	28	29	23	25	20	27	10	9	26	25
14	25	25	28	29	23	25	22	27	8	17	25	24
15	25	25	28	29	23	25	20	21	12	22	27	24
16	26	17	28	29	23	25	21	21	13	22	24	24
17	26	17	28	29	23	25	19	22	15	22	26	27
18	29	17	28	29	23	30	23	20	16	27	25	27
19	29	17	28	29	23	30	22	20	20	27	24	25
20	30	17	28	29	23	30	22	20	22	28	25	22
21	30	17	28	29	23	29	25	23	23	25	26	23
22	28	17	28	29	23	27	15	23	25	23	25	24
23	28	17	28	29	26	28	29	12	20	22	22	25
24	26	17	28	29	26	27	30	23	21	25	22	26
25	26	17	28	23	26	23	30	23	20	20	20	26
26	26	17	28	23	26	25	30	18	20	8	20	26
27	23	17	28	23	26	23	30	19	25	6	25	26
28	24	17	28	23	26	24	30	19	28	6	25	26
29	22	17	28	23	26	20	30	20	30	6	26	26
30	21	17	28	23	----	22	30	22	25	6	26	26
31	22	----	28	23	----	20	----	17	----	6	29	----
Mean	23	21	28	28	24	23	24	23	16	16	19	26
Max.	30	25	28	29	26	30	30	29	30	28	29	30
Min.	14	17	28	23	23	13	11	12	2	3	5	23
A. F.	1412	1250	1722	1700	1365	1424	1408	1434	976	980	1139	1547

Total Acre-feet 16,357

DISCHARGE OF PAWNEE CREEK—Sec. 4-12-27 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	7	10	10	8	10	9	10	16	8	9	7
2	7	7	10	10	8	10	9	10	20	8	8	7
3	7	7	10	10	8	10	9	10	20	20	7	7
4	7	7	10	10	8	10	9	10	3	18	7	7
5	7	7	10	10	8	10	9	10	2	16	6	7
6	7	7	10	10	8	9	9	8	16	15	7	7
7	7	7	10	10	8	9	9	8	16	14	8	7
8	7	7	10	10	8	9	9	8	16	14	8	8
9	7	7	10	10	8	9	12	8	16	16	7	8
10	7	7	10	10	8	9	12	8	25	14	7	8
11	7	7	10	9	8	9	12	6	25	9	6	8
12	7	7	10	9	8	9	12	6	24	8	6	9
13	7	7	10	9	8	9	12	6	20	8	6	9
14	7	7	10	9	8	9	12	6	18	7	6	9
15	7	7	10	9	8	9	12	6	17	7	6	8
16	7	7	10	8	8	9	12	2	16	8	6	8
17	7	7	10	8	8	9	12	2	22	7	6	8
18	7	7	10	8	8	9	12	2	18	7	6	8
19	7	10	10	8	8	9	12	2	21	6	6	9
20	7	10	10	8	8	9	12	2	20	6	6	10
21	7	10	10	7	8	9	12	4	15	6	6	9
22	7	10	10	7	8	9	20	4	10	6	6	8
23	7	10	10	7	8	9	20	4	10	6	6	8
24	7	10	10	7	8	9	20	4	8	7	5	6
25	7	10	10	7	8	9	20	4	7	7	5	5
26	7	10	10	10	8	9	20	6	10	6	5	5
27	7	10	10	10	8	9	20	6	8	6	6	6
28	7	10	10	10	8	9	20	6	7	6	4	5
29	7	10	10	10	8	9	10	6	8	6	4	5
30	7	10	10	10	----	9	10	16	8	7	4	5
31	7	----	10	10	----	9	----	16	----	8	4	----
Mean	7	8	10	9	8	9	13	7	15	9	6	7
Max.	7	10	10	10	8	10	20	16	25	20	9	10
Min.	7	7	10	7	8	9	9	2	2	6	4	5
A. F.	430	488	615	555	460	563	772	409	877	569	375	438

Total Acre-feet 6,551

DISCHARGE OF PLUM CREEK—Sec. 10-19-49 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	4	6	6	6	4	4	4	3	3	3	3
2	4	4	6	6	6	4	4	4	3	3	3	3
3	4	4	6	6	6	4	4	4	3	3	3	3
4	4	4	6	6	6	4	4	4	3	3	3	3
5	4	4	6	6	6	4	4	4	3	3	3	3
6	4	4	6	6	6	4	4	4	3	3	3	3
7	4	4	6	6	6	4	4	4	3	3	3	3
8	4	4	6	6	6	4	4	4	3	3	3	3
9	4	4	6	6	6	4	4	4	3	3	3	3
10	4	4	6	6	6	4	4	4	3	3	3	3
11	4	4	6	6	6	5	4	4	3	3	3	4
12	4	4	6	6	6	5	4	4	3	3	3	4
13	4	4	6	6	6	5	4	4	3	3	3	4
14	4	4	6	6	6	5	4	4	3	3	3	4
15	4	4	6	6	6	5	4	4	3	3	3	4
16	4	4	6	7	5	5	4	4	3	3	3	4
17	4	4	6	7	5	5	4	4	3	3	3	4
18	4	4	6	7	5	5	4	4	3	3	3	4
19	4	4	6	7	5	5	4	4	3	3	3	4
20	4	4	6	7	5	5	4	4	3	3	3	4
21	4	4	6	7	5	5	4	4	3	3	3	4
22	4	4	6	7	5	5	4	4	3	3	3	4
23	4	4	6	7	5	5	4	4	3	3	3	4
24	4	4	6	7	5	5	4	4	3	3	3	4
25	4	5	6	7	5	5	4	4	3	3	3	4
26	4	5	6	7	4	4	4	4	3	3	3	4
27	4	5	6	7	4	4	4	4	3	3	3	4
28	4	5	6	7	4	4	4	4	3	3	3	4
29	4	5	6	7	4	4	4	4	3	3	3	4
30	4	5	6	7	----	4	4	4	3	3	3	4
31	4	----	6	7	----	4	----	4	----	3	3	----
Mean	4	4	6	7	5	4	4	4	3	3	3	4
Max.	4	5	6	7	6	5	4	4	3	3	3	4
Min.	4	4	6	6	4	4	4	4	3	3	3	3
A. F.	246	248	369	401	309	276	238	246	179	184	184	218

Total Acre-feet 3,098

DISCHARGE OF PUMPKINSEED CREEK AT BRIDGEPORT—Sec. 12-19-50 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	40	40	34	30	52	50	52	23	33	44	13
2	31	40	40	34	30	52	50	47	18	33	47	13
3	31	40	40	34	30	52	50	47	18	22	35	13
4	29	40	40	34	30	54	50	47	17	20	21	13
5	29	40	40	34	30	54	44	47	16	20	21	13
6	29	35	40	34	35	54	44	47	18	20	20	13
7	28	35	40	34	35	54	44	60	19	13	9	13
8	31	35	40	34	35	54	37	42	17	15	12	13
9	31	35	40	34	35	60	44	42	14	15	12	13
10	29	35	40	34	35	60	29	42	15	16	12	12
11	26	40	40	34	35	57	29	37	15	16	8	13
12	26	40	40	34	35	57	28	37	19	17	8	13
13	26	40	40	34	35	47	28	37	18	17	13	13
14	27	40	40	34	35	47	31	37	18	18	8	13
15	27	40	40	34	35	63	28	19	18	18	22	13
16	27	40	40	34	25	63	28	19	200	24	22	13
17	29	40	40	34	25	63	31	19	63	50	25	13
18	27	40	40	34	25	63	29	19	63	44	25	13
19	27	40	40	34	25	63	37	19	60	29	25	13
20	27	40	40	34	25	63	37	19	60	27	25	13
21	29	40	40	34	35	60	35	20	60	24	22	13
22	29	40	40	34	35	63	37	23	54	42	24	13
23	29	40	40	34	35	63	40	20	50	42	19	13
24	29	35	40	34	35	63	52	19	50	33	19	13
25	31	35	40	34	35	60	52	19	33	31	19	13
26	33	35	40	34	32	54	52	18	33	33	19	14
27	29	35	40	34	32	54	52	18	33	33	19	13
28	29	35	40	34	32	54	52	18	44	31	10	13
29	42	35	40	34	32	52	52	29	44	33	10	13
30	63	35	40	34	----	52	52	22	33	33	11	13
31	63	----	40	34	----	52	----	18	----	35	13	----
Mean	31	38	40	34	32	57	41	31	38	27	19	13
Max.	63	40	40	34	35	63	52	60	200	50	47	14
Min.	26	35	40	34	25	47	28	18	14	13	8	12
A. F.	1930	2260	2460	2090	1840	3490	2430	1900	2270	1660	1190	774

Total Acre-feet 24,300

DISCHARGE OF RED WILLOW CREEK—Sec. 7-20-51 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	130	95	85	75	66	62	56	56	110	53	160	103
2	130	95	85	75	65	59	57	54	110	54	145	97
3	130	95	85	75	64	59	57	56	70	65	145	97
4	130	95	85	75	68	53	56	52	50	57	91	116
5	130	95	85	75	66	55	59	54	44	61	91	103
6	120	95	85	75	66	55	57	54	40	54	80	97
7	120	96	85	75	67	55	57	56	39	58	86	97
8	120	95	85	75	70	55	57	50	46	55	75	97
9	120	95	85	75	75	60	56	50	42	80	75	97
10	120	95	85	75	76	75	56	48	37	66	75	103
11	120	95	85	75	68	70	55	48	48	57	70	123
12	120	95	85	75	68	70	54	48	56	56	75	110
13	120	95	85	75	66	70	55	45	48	56	145	110
14	120	95	85	75	61	69	52	47	50	59	145	116
15	120	95	85	75	65	67	52	48	39	66	97	116
16	110	90	80	70	65	66	52	44	42	130	80	110
17	110	90	80	70	63	66	54	97	40	202	80	123
18	110	90	80	70	65	66	56	260	152	86	80	116
19	110	90	80	70	66	65	52	230	130	70	91	116
20	110	90	80	70	64	66	52	250	123	75	103	97
21	105	90	80	70	63	65	52	450	145	70	103	91
22	105	90	80	70	63	64	50	130	160	75	103	116
23	105	90	80	70	62	62	75	130	138	138	86	116
24	105	90	80	70	61	61	70	123	145	145	86	130
25	105	90	80	70	61	61	80	69	86	86	97	145
26	105	90	80	70	61	60	70	53	54	75	91	145
27	105	90	80	70	61	61	63	75	110	75	91	152
28	105	90	80	70	61	61	68	130	46	75	168	145
29	105	90	80	70	63	59	65	184	50	103	103	152
30	105	90	80	68	.....	57	59	202	53	66	103	145
31	105	.....	80	70	.....	56	.....	211	.....	193	103	.....
Mean	†115	†92	†82	†72	65	62	59	110	77	83	101	116
Max.	130	95	85	75	76	75	80	450	160	202	168	152
Min.	105	90	80	70	61	53	50	44	37	53	70	91
A. F.	7051	5504	5068	4453	3750	3830	3480	6760	4570	5080	6210	6900

Total Acre-feet 62,656

Note—Record for October-January based on measurements made on Wild Horse Drain and Red Willow above junction.

†Estimated.

DISCHARGE OF REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE—Sec. 9-1-42 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	36	*	*	*	110	94	78	24	8	105	78
2	13	37	—	....	—	110	94	76	18	8	99	43
3	14	37	....	—	....	110	91	73	9	8	88	39
4	16	37	—	....	—	113	86	62	22	8	65	39
5	14	39	—	....	—	110	83	36	52	8	36	32
6	14	37	....	—	....	110	78	32	36	7	52	22
7	19	37	—	....	—	116	88	36	20	5	47	20
8	22	41	—	....	—	100	60	37	22	5	36	17
9	22	39	....	—	....	90	69	39	20	7	34	16
10	24	39	—	....	—	90	74	41	12	7	29	16
11	24	43	—	....	—	100	81	39	13	7	25	21
12	22	43	....	—	....	100	83	27	19	5	25	20
13	16	47	—	....	—	110	83	20	21	5	255	20
14	8	54	—	....	—	120	81	16	16	6	192	22
15	9	56	....	†81	—	127	72	19	12	6	86	16
16	18	72	—	*	—	118	43	17	12	6	43	17
17	22	72	—	—	....	127	37	14	10	5	39	21
18	36	69	—	—	....	121	41	9	74	6	52	37
19	39	59	—	....	....	113	16	10	94	7	36	39
20	50	56	....	—	—	107	10	9	60	6	32	36
21	56	60	....	—	—	105	10	9	32	6	47	22
22	47	60	....	....	—	105	9	8	29	198	39	18
23	45	60	—	—	....	105	11	8	17	14	39	27
24	39	60	—	—	....	105	34	8	16	74	25	36
25	39	60	—	....	....	99	78	10	16	20	0	32
26	37	60	....	—	—	99	67	10	16	12	0	116
27	36	60	....	—	—	99	60	18	16	10	107	88
28	36	60	....	....	—	99	116	29	17	9	74	78
29	36	60	—	—	....	96	107	56	11	20	65	65
30	43	60	—	—	....	88	69	83	10	348	47	47
31	47	....	....	....	....	94	....	47	—	264	41	....
Mean	28	52	75	80	85	106	64	32	25	36	60	37
Max.	56	72	—	—	....	127	116	83	94	348	255	116
Min.	8	36	....	—	....	88	9	8	9	5	0	16
A. F.	1730	3080	4610	4920	4890	6520	3820	1940	1480	2190	3690	2180

Total Acre-feet 41,000

*No record. †Estimated.

DISCHARGE OF REPUBLICAN RIVER, SOUTH FORK, AT BENKELMAN

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	*	*	*	*	52	52	42	90	*	*	*
2	6	....	....	—	....	52	52	42	76	—	—	....
3	6	—	—	—	—	52	42	42	76	....	—	....
4	6	....	....	....	—	64	42	42	76	....	—	—
5	6	—	—	—	—	64	42	42	155	....	—	....
6	6	....	....	....	—	66	42	42	185	....	—	—
7	6	—	—	—	—	54	42	42	173	....	—	....
8	6	....	....	....	....	52	42	42	138	....	—	....
9	6	—	—	—	—	54	42	42	110	....	†51	—
10	6	....	....	....	—	54	42	42	90	....	*	—
11	6	—	—	—	....	58	42	42	95	—	....	—
12	6	....	....	....	—	60	52	42	642	....	—	—
13	7	—	—	—	....	62	52	42	690	—	....	—
14	7	....	....	....	—	64	52	42	606	†9	....	—
15	7	....	....	†94	....	70	42	42	548	*	—	....
16	7	—	—	*	—	85	32	28	352	—	....	—
17	7	....	....	....	—	76	32	24	207	....	—	—
18	7	—	—	—	—	64	32	24	168	....	—	....
19	7	....	....	....	....	64	32	24	168	....	—	—
20	7	†38	—	—	—	64	32	24	162	—	....	—
21	7	*	....	....	....	64	32	21	140	—	....	—
22	7	—	—	—	—	52	32	21	126	....	—	—
23	7	....	....	....	....	52	32	17	124	....	—	....
24	7	—	—	—	—	52	134	17	98	....	—	....
25	7	....	....	....	....	52	250	64	98	....	....	—
26	20	....	—	—	—	52	190	570	83	—	—	....
27	20	....	....	....	....	52	134	278	80	....	—	—
28	24	—	—	—	....	52	76	166	76	—	—	—
29	28	....	....	—	....	52	64	144	64	—	....	—
30	28	—	—	—	....	52	52	120	64	—	....	—
31	28	....	....	....	....	52	—	101	....	—	....	—
Mean	10	†50	†75	†90	†75	58	61	73	192	†13	†76	†10
Max.	28	.....	.....	.....	.....	85	250	570	690	.....	.....	.....
Min.	6	.....	.....	.....	.....	52	32	17	64	.....	.....	.....
A.F.	615	2980	4610	5530	4310	3590	3640	4510	11400	823	4700	5950

Total Acre-feet 52,600

*No record.

†Estimated.

DISCHARGE OF REPUBLICAN RIVER AT MAX—Sec. 32-2-36 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	78	*	*	*	190	142	206	216	74	1100	43
2	20	74	.....	.....	.....	180	128	211	171	54	206	38
3	22	74	.....	.....	.....	171	132	200	161	61	580	32
4	23	82	.....	.....	.....	156	142	195	200	54	309	27
5	18	95	.....	.....	.....	100	137	180	345	50	180	24
6	27	100	.....	.....	.....	128	123	156	345	40	180	27
7	31	114	.....	.....	.....	100	109	171	264	35	176	30
8	32	104	.....	.....	.....	100	128	176	222	25	151	25
9	38	113	.....	.....	.....	100	137	166	161	21	128	23
10	38	118	.....	.....	.....	100	151	161	161	18	118	24
11	40	142	.....	.....	.....	110	146	151	195	15	87	25
12	50	142	.....	.....	.....	110	128	142	696	12	65	22
13	43	142	.....	.....	.....	110	104	123	430	8	104	23
14	54	161	.....	.....	.....	110	87	123	300	5	273	23
15	65	151	.....	†200	.....	118	91	123	336	5	171	20
16	59	142	.....	*	.....	228	78	123	211	5	128	18
17	54	142	.....	.....	.....	195	74	128	151	5	104	20
18	54	137	.....	.....	.....	176	87	109	128	5	82	20
19	50	135	.....	.....	.....	166	87	74	421	4	70	19
20	54	140	.....	.....	.....	166	87	65	354	4	59	24
21	59	160	.....	.....	.....	176	78	61	244	4	52	32
22	59	160	.....	.....	.....	161	70	56	200	4	37	35
23	65	160	.....	.....	.....	166	87	50	161	4	27	37
24	61	160	.....	.....	228	161	166	47	128	32	31	37
25	70	160	.....	.....	206	166	318	61	402	23	25	40
26	70	180	.....	.....	200	137	273	965	195	21	22	52
27	70	180	.....	.....	200	146	233	235	176	14	430	78
28	65	180	.....	.....	190	156	309	264	132	10	233	95
29	70	180	.....	.....	195	166	300	238	113	8	118	82
30	65	180	.....	.....	.....	146	244	318	104	374	87	61
31	70	.....	.....	.....	.....	146	.....	228	.....	1430	59	.....
Mean	49	136	†160	†180	150	146	146	181	244	78	174	35
Max.	70	.....	.....	.....	.....	228	318	965	696	1430	1100	95
Min.	18	74	.....	.....	.....	100	70	47	104	4	22	18
A.F.	3000	8090	9840	11100	8630	8980	8690	11100	14500	4810	10700	2090

Total Acre-feet 102,000

*No record.

†Estimated.

DISCHARGE OF REPUBLICAN RIVER AT CULBERTSON—
Secs. 16 and 17-3-31 W.
Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	130	130	179	194	79	865	28
2	.....	.....	.....	.....	.....	130	130	160	160	57	705	13
3	.....	.....	.....	.....	.....	130	130	160	117	48	500	10
4	.....	.....	.....	.....	.....	145	130	160	224	46	340	10
5	.....	.....	.....	.....	.....	130	130	145	410	33	242	10
6	.....	.....	.....	.....	.....	104	130	130	268	29	206	10
7	.....	.....	.....	.....	.....	130	130	104	190	28	161	9
8	.....	.....	.....	.....	.....	130	130	104	157	30	142	8
9	.....	.....	.....	.....	.....	130	130	104	179	14	120	7
10	.....	.....	.....	.....	.....	130	130	104	136	4	101	11
11	.....	.....	.....	.....	.....	130	130	104	125	0	93	10
12	.....	.....	.....	.....	.....	130	130	104	130	0	81	7
13	.....	.....	.....	.....	.....	130	130	92	410	0	62	7
14	.....	.....	.....	†198	.....	179	130	80	250	0	84	8
15	.....	.....	.....	*	.....	250	104	80	190	0	168	9
16	.....	.....	.....	.....	.....	250	130	80	198	0	142	6
17	.....	.....	.....	.....	.....	250	104	80	142	0	98	13
18	.....	.....	.....	.....	.....	224	92	69	145	0	77	13
19	.....	.....	.....	.....	.....	198	117	49	650	0	62	13
20	.....	†178	.....	.....	.....	178	104	44	275	0	57	14
21	.....	*	.....	.....	.....	178	104	58	226	0	50	16
22	.....	.....	.....	.....	.....	145	80	47	158	0	42	16
23	.....	.....	.....	.....	.....	160	80	33	134	0	23	18
24	.....	.....	.....	.....	.....	160	160	32	109	0	18	20
25	.....	.....	.....	.....	.....	160	480	58	91	0	18	28
26	.....	.....	.....	.....	.....	160	295	295	88	0	18	30
27	.....	.....	.....	.....	.....	145	198	250	128	0	11	34
28	.....	.....	.....	.....	.....	130	224	245	122	0	234	46
29	.....	.....	.....	.....	.....	130	198	160	96	0	136	70
30	.....	.....	.....	.....	.....	130	198	240	86	0	73	70
31	.....	.....	.....	.....	.....	130	.....	245	.....	2670	45	.....
Mean	60	165	170	190	160	156	150	122	193	98	160	19
Max.	.....	.....	.....	.....	.....	250	480	295	650	2670	865	70
Min.	.....	.....	.....	.....	.....	104	80	32	86	0	11	6
A.F.	3690	9820	10500	11700	9200	9590	8930	7500	11500	6030	9840	1120

Total Acre-feet 99,400
*No record.
†Estimated.

DISCHARGE OF REPUBLICAN RIVER AT BLOOMINGTON—Sec. 8-1-15 W.
Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	81	116	170	210	270	989	546	735	1070	683	754	54
2	46	123	170	210	270	961	546	702	2330	612	905	54
3	46	128	170	210	270	926	528	664	2840	464	1490	46
4	45	144	170	210	270	849	528	592	2460	442	1400	52
5	48	152	170	210	270	780	540	540	1810	800	996	57
6	39	164	180	180	440	774	534	534	1680	638	856	57
7	36	171	180	180	440	794	486	528	1770	442	780	52
8	36	180	180	180	440	680	474	486	1460	1210	683	48
9	36	177	180	180	440	480	447	469	2930	522	780	48
10	36	174	180	180	440	320	469	452	1640	224	540	54
11	32	171	170	160	420	270	480	408	2090	198	447	2420
12	49	171	170	160	420	270	464	398	2270	155	1150	2910
13	48	190	170	160	420	370	464	336	2030	136	498	1750
14	70	299	170	160	420	540	452	344	1350	125	289	1010
15	106	257	170	160	420	644	452	313	1060	123	253	344
16	90	228	160	279	380	849	452	313	1050	102	177	184
17	79	220	160	279	380	842	442	289	982	90	150	138
18	68	220	160	279	380	982	436	275	1720	84	133	104
19	70	236	160	279	380	982	447	253	1730	84	141	81
20	63	299	160	279	380	849	420	228	2350	77	133	72
21	72	354	220	300	500	849	676	209	2530	66	138	62
22	73	370	220	300	1500	800	598	180	1800	168	123	55
23	75	354	220	300	2500	742	528	190	1330	308	100	52
24	77	266	220	300	6940	702	425	168	1120	224	96	51
25	84	194	220	300	3160	664	420	164	947	190	84	49
26	72	187	250	408	1980	657	386	177	933	187	81	54
27	77	170	250	280	1440	644	381	386	1330	190	77	51
28	84	170	250	280	1210	624	598	474	1330	108	77	49
29	84	170	250	280	1080	598	702	469	933	88	77	45
30	84	170	250	280	.....	598	664	828	754	130	75	44
31	96	.....	250	280	.....	579	.....	1530	.....	220	65	.....
Mean	65	208	194	240	961	697	500	441	1650	293	437	335
Max.	106	370	.....	.....	6940	989	702	1530	2930	1210	1490	2910
Min.	32	116	.....	.....	270	270	381	164	754	66	65	44
A.F.	3970	12400	11900	14800	55300	42900	29800	27100	98200	18000	26900	19900

Total Acre-feet 361,000

DISCHARGE OF REPUBLICAN RIVER AT HARDY--Sec. 6-1-5 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	666	730	680	54
2	—	—	—	—	—	—	—	—	2150	730	329	54
3	—	—	—	—	—	—	—	—	3410	570	931	38
4	—	—	—	—	—	—	—	—	3420	570	1340	42
5	—	—	—	—	—	—	—	—	3830	510	1370	36
6	—	—	—	—	—	—	—	—	2660	360	1540	38
7	—	—	—	—	—	—	—	—	2380	570	787	34
8	—	—	—	—	—	—	—	—	1940	730	659	34
9	—	—	—	—	—	—	—	—	1910	570	562	35
10	—	—	—	—	—	—	—	—	2680	360	540	36
11	—	—	—	—	—	—	—	—	2260	730	535	41
12	—	—	—	—	—	—	—	—	3050	350	450	1800
13	—	—	—	—	—	—	—	—	2260	220	475	3500
14	—	—	—	—	—	—	—	—	2890	215	666	2200
15	—	—	—	—	—	—	—	—	1630	200	475	800
16	—	—	—	—	—	—	—	—	1160	190	350	700
17	—	—	—	—	—	—	—	—	1010	170	255	450
18	—	—	—	—	—	—	—	—	980	162	235	350
19	—	—	—	—	—	—	—	364	1060	144	163	250
20	—	—	—	—	—	—	—	351	2300	126	148	150
21	—	—	—	—	—	—	—	338	1720	133	125	125
22	—	—	—	—	—	—	—	329	3300	131	110	120
23	—	—	—	—	—	—	—	303	2250	162	140	112
24	—	—	—	—	—	—	—	299	1720	316	145	112
25	—	—	—	—	—	—	—	287	1560	212	110	102
26	—	—	—	—	—	—	—	312	1670	295	100	99
27	—	—	—	—	—	—	—	308	1870	226	80	95
28	—	—	—	—	—	—	—	316	1500	193	70	102
29	—	—	—	—	—	—	—	364	1000	274	70	97
30	—	—	—	—	—	—	—	480	1100	325	60	90
31	—	—	—	—	—	—	—	540	—	470	150	—
Mean	—	—	—	—	—	—	—	353	2040	353	440	390
Max.	—	—	—	—	—	—	—	540	3830	730	1540	3500
Min.	—	—	—	—	—	—	—	287	666	126	60	34
A.F.	—	—	—	—	—	—	—	9100	121000	217000	27100	23200

Total Acre-feet 202,000

*No record.

DISCHARGE OF SAND CREEK—Sec. 10-15-40 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	4	3	5	5	5	3	5	4	1	4	5
2	4	4	3	5	5	5	3	5	4	1	4	5
3	4	4	3	5	5	5	3	5	4	2	5	5
4	4	4	3	5	5	5	3	5	4	2	5	5
5	4	4	3	5	5	5	3	5	3	2	5	5
6	4	4	3	5	6	4	2	5	2	2	5	6
7	4	4	3	5	6	4	2	5	0	3	5	6
8	4	4	3	5	6	4	2	5	0	3	5	6
9	4	4	3	5	6	4	2	5	0	3	5	5
10	4	4	3	5	6	4	2	5	0	3	2	5
11	4	4	4	5	5	6	4	5	2	3	0	5
12	4	4	4	5	5	6	4	5	2	3	2	4
13	4	4	4	5	5	6	4	5	4	3	4	4
14	4	4	4	5	5	6	4	5	4	3	4	4
15	4	4	4	5	5	6	4	5	4	3	4	4
16	5	4	5	6	5	6	5	4	4	3	4	4
17	5	4	5	6	5	6	5	4	4	3	5	4
18	5	4	5	6	5	6	5	4	4	3	5	4
19	5	4	5	6	5	6	5	4	4	3	5	4
20	5	4	5	6	5	6	5	4	4	3	4	5
21	6	4	5	6	5	5	5	4	4	3	4	5
22	6	4	5	6	5	5	5	4	4	2	4	5
23	6	4	5	6	5	5	5	4	4	2	4	5
24	6	4	5	6	5	5	5	4	4	2	4	5
25	6	4	5	6	5	5	5	4	1	2	5	5
26	5	4	5	5	5	4	5	4	2	4	5	5
27	5	4	5	5	5	4	5	4	2	2	5	5
28	5	4	5	5	5	4	5	4	1	0	5	5
29	5	4	5	5	5	4	5	4	1	0	5	4
30	5	4	5	5	—	4	5	4	1	0	5	4
31	5	—	5	5	—	4	—	4	—	1	5	—
Mean	5	4	4	5	5	5	4	4	3	2	4	5
Max.	6	4	5	6	6	6	5	5	4	4	5	6
Min.	5	4	3	5	5	4	2	4	0	0	0	4
A.F.	288	238	258	327	298	305	238	276	161	139	264	284

Total Acre-feet 3,076

DISCHARGE OF SARBEN SLOUGH—Sec. 20-14-35 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	2	3	3	3	4	4	3	2	3	1	4
2	2	2	3	3	3	4	4	3	2	3	1	4
3	2	2	3	3	3	4	4	3	2	3	1	4
4	2	2	3	3	3	4	4	3	2	3	1	4
5	2	2	3	3	3	4	4	3	2	3	1	4
6	2	2	3	4	3	3	4	2	2	3	1	4
7	2	2	3	4	3	3	4	2	2	3	1	4
8	2	2	3	4	3	3	4	2	2	2	1	4
9	2	2	3	4	3	3	4	2	2	2	1	4
10	2	2	3	4	3	3	4	2	2	2	1	4
11	2	2	2	3	3	4	4	2	2	2	1	4
12	2	2	2	3	3	4	4	2	2	2	1	4
13	2	2	2	3	3	4	4	2	2	2	1	4
14	2	2	2	3	3	4	4	2	2	2	1	4
15	2	2	2	3	3	4	4	2	2	2	1	4
16	2	2	3	3	2	5	5	2	2	2	1	4
17	2	2	3	3	2	5	5	2	2	2	1	4
18	2	2	3	3	2	5	5	2	2	1	2	2
19	2	2	3	3	2	5	5	2	2	1	2	2
20	2	2	3	3	2	5	5	2	2	1	2	2
21	3	2	3	2	4	4	4	2	2	1	2	2
22	3	2	3	2	4	4	4	2	2	1	2	2
23	3	2	3	2	4	4	4	2	2	1	2	2
24	3	2	3	2	4	4	4	2	2	1	4	2
25	3	2	3	2	4	4	4	2	2	1	4	2
26	2	3	3	2	4	4	3	2	2	1	4	3
27	2	3	3	2	4	4	3	2	2	1	4	3
28	2	3	3	2	4	4	3	2	2	1	4	2
29	2	3	3	2	4	4	3	2	2	1	4	2
30	2	3	3	2	....	4	3	2	2	1	4	2
31	2	....	3	2	—	4	....	2	—	1	4	—
Mean	2	2	3	3	3	4	4	2	2	2	2	3
Max.	3	3	3	4	4	5	5	3	2	3	4	4
Min.	2	2	2	2	2	3	3	2	2	1	1	2
A.F.	133	129	175	173	180	246	238	133	119	109	121	190

Total Acre-feet 1,946

DISCHARGE OF SCOTTSBLUFF DRAIN NO. 1—Sec. 25-22-54 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	17	14	14	10	9	11	8	10	20	20	28
2	25	17	14	14	10	9	11	8	10	20	20	28
3	25	17	14	14	10	9	11	8	10	20	20	28
4	25	17	14	14	10	9	11	8	10	20	20	28
5	25	17	14	14	10	9	11	8	10	20	20	28
6	25	17	14	14	10	9	12	8	10	20	20	28
7	25	17	14	14	10	9	12	8	10	20	20	28
8	25	17	14	14	10	9	12	8	10	20	20	28
9	25	17	14	14	10	9	12	8	10	20	20	28
10	25	17	14	14	10	9	12	8	10	20	20	28
11	25	15	14	12	10	11	12	8	10	24	20	29
12	25	15	14	12	10	11	12	8	10	24	20	29
13	25	15	14	12	10	11	12	8	10	24	20	29
14	25	15	14	12	10	11	12	8	10	24	20	29
15	25	15	14	12	10	11	12	8	10	24	20	29
16	20	15	14	12	9	10	12	7	10	24	25	29
17	20	15	14	12	9	10	12	7	10	24	25	29
18	20	15	14	12	9	10	12	7	10	24	25	29
19	20	15	14	12	9	10	12	7	10	24	25	29
20	20	15	14	12	9	10	12	7	10	24	25	29
21	20	15	14	11	9	10	12	6	10	20	25	30
22	20	15	14	11	9	10	12	6	10	20	25	30
23	20	15	14	11	9	10	12	6	10	20	25	30
24	20	15	14	11	9	10	12	6	10	20	25	30
25	20	15	14	11	9	10	12	6	10	20	25	30
26	20	15	14	11	9	10	10	6	15	20	25	30
27	20	15	14	11	9	10	10	6	15	20	25	30
28	20	15	14	11	9	10	10	6	15	20	25	30
29	20	15	14	11	9	10	10	6	15	20	25	30
30	20	15	14	11	—	10	10	6	15	20	25	30
31	20	....	14	11	—	10	....	6	—	20	25	—
Mean	22	16	14	12	10	10	12	7	11	21	23	29
Max.	25	17	14	14	10	11	12	8	15	24	25	30
Min.	20	15	14	11	9	9	9	6	10	20	20	28
A.F.	1379	932	861	756	547	605	684	438	645	1309	1388	1726

Total Acre-feet 11,270

DISCHARGE OF SCOTTSBLUFF DRAIN NO. 2—Sec. 34-22-54 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	2	5	8	12	12	12
2	—	....	—	....	—	....	2	5	8	12	12	12
3	—	....	—	....	—	....	2	5	8	12	12	12
4	—	....	—	....	—	....	2	5	8	12	12	12
5	—	....	—	....	—	....	2	5	8	12	12	12
6	—	....	—	....	—	....	2	5	8	12	12	12
7	—	....	—	....	—	....	2	5	8	12	12	12
8	—	....	—	....	—	....	2	5	8	12	12	12
9	—	....	—	....	—	....	2	5	8	12	12	12
10	—	....	—	....	—	....	2	5	8	12	12	12
11	—	....	....	....	—	—	4	5	10	13	13	12
12	—	....	....	....	—	....	4	5	10	13	13	12
13	—	—	....	....	—	....	4	5	10	13	13	12
14	—	....	....	....	—	—	4	5	10	13	13	12
15	—	....	....	....	—	....	4	5	10	13	13	12
16	....	—	—	....	—	....	4	4	10	13	13	12
17	....	—	—	....	—	....	4	4	10	13	13	12
18	....	—	—	....	—	....	4	4	10	13	13	12
19	....	—	—	....	—	....	4	4	10	13	13	12
20	—	....	....	....	—	—	4	4	10	13	13	12
21	....	—	....	....	—	—	6	4	11	11	13	12
22	....	—	....	....	—	—	6	4	11	11	13	12
23	....	—	....	....	—	—	6	4	11	11	13	12
24	....	—	....	....	—	—	6	4	11	11	13	12
25	....	—	....	....	—	—	6	4	11	11	13	12
26	—	....	—	....	—	....	6	6	11	11	12	12
27	—	....	—	....	—	....	6	6	11	11	12	12
28	—	....	—	....	—	....	6	6	11	11	12	12
29	—	....	—	....	—	....	6	6	11	11	12	12
30	—	....	—	....	—	....	6	6	11	11	12	12
31	—	....	....	....	—	—	....	6	—	11	12	....
Mean	....	....	—	....	—	—	4	5	10	12	12	12
Max.	—	....	....	....	....	—	6	6	11	13	13	12
Min.	—	....	—	....	—	—	2	4	8	11	12	12
A. F.	....	....	—	....	....	....	238	300	575	736	768	714

Total Acre-feet 3,331

*No record.

DISCHARGE OF SHEEP CREEK AT MORRILL—Sec. 21-23-57 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	90	85	80	69	75	69	72	2	2	5	4
2	4	90	85	80	72	75	69	69	2	3	200	4
3	4	90	85	80	69	75	69	69	2	3	120	4
4	4	90	85	80	72	75	69	69	2	3	60	4
5	4	90	85	80	75	75	69	96	2	4	5	4
6	105	90	85	80	75	75	72	144	2	4	4	4
7	105	90	85	80	81	75	69	96	2	4	4	4
8	105	90	85	80	75	72	72	81	2	5	4	4
9	105	90	85	80	84	75	90	75	2	5	4	4
10	105	90	85	80	84	75	72	72	2	5	4	4
11	110	90	85	78	69	72	72	69	2	6	3	4
12	110	90	85	78	72	75	84	69	2	5	3	3
13	110	90	85	78	72	75	72	66	2	8	3	3
14	110	90	85	78	72	78	69	63	2	7	4	3
15	110	90	85	78	72	75	72	69	2	7	4	3
16	115	90	82	78	72	78	69	66	2	7	4	3
17	115	90	82	78	72	75	69	63	2	6	4	3
18	115	90	82	78	69	75	72	63	1	6	4	3
19	115	90	82	75	72	75	72	35	2	6	4	3
20	115	90	82	75	72	81	69	54	1	6	4	3
21	115	90	82	75	75	78	69	36	2	6	5	4
22	115	90	82	75	75	75	69	2	2	6	4	5
23	115	90	82	75	75	75	90	2	2	6	2	4
24	115	90	82	75	75	72	84	2	2	6	4	3
25	115	90	82	75	75	72	75	2	2	6	5	4
26	105	85	82	72	75	75	69	2	2	6	4	4
27	105	85	82	72	78	75	75	3	2	7	4	5
28	105	85	82	75	72	72	84	4	2	7	4	6
29	105	85	82	72	72	72	78	3	3	7	4	6
30	105	85	82	69	—	69	75	2	2	7	4	60
31	105	....	82	67	....	69	....	2	—	6	4	—
Mean	93	89	84	77	74	75	74	49	2	6	16	6
Max.	115	91	85	80	84	81	90	144	3	8	200	60
Min.	4	85	82	67	69	69	69	2	1	2	2	3
A. F.	5710	5310	5130	4710	4250	4580	4380	3010	119	338	972	339

Total Acre-feet 38,848

DISCHARGE OF SILVERNAIL DRAIN—Sec. 6-19-49 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	10	10	10	10	8	8	7	8	15	12	12
2	12	10	10	10	10	8	8	7	8	10	12	12
3	12	10	10	10	10	8	8	7	8	12	11	12
4	12	10	10	10	10	8	8	7	8	15	10	12
5	12	10	10	10	10	8	8	7	8	15	10	12
6	12	10	10	10	10	8	8	7	8	24	11	12
7	12	10	10	10	10	8	8	7	8	19	11	12
8	12	10	10	10	10	8	8	7	7	9	11	12
9	12	10	10	10	10	8	8	7	7	9	11	12
10	12	10	10	10	10	8	8	7	7	9	11	12
11	12	10	10	10	9	10	8	7	7	9	11	12
12	12	10	10	10	9	10	8	7	7	10	11	12
13	12	10	10	10	9	10	8	7	7	11	11	12
14	12	10	10	10	9	10	8	7	7	11	11	13
15	12	10	10	10	9	10	8	7	7	11	11	13
16	12	10	10	10	9	10	6	7	7	17	11	13
17	12	10	10	10	9	10	6	7	7	23	11	13
18	12	10	10	10	9	10	6	7	7	25	11	14
19	12	10	10	10	9	10	6	7	7	27	12	16
20	12	10	10	10	9	10	6	7	7	26	12	15
21	12	10	10	10	8	10	6	7	7	25	12	14
22	12	10	10	10	8	10	6	7	31	22	12	14
23	12	10	10	10	8	10	6	7	31	20	12	14
24	12	10	10	10	8	10	6	7	16	16	11	14
25	12	10	10	10	8	10	6	7	12	12	12	15
26	12	10	10	10	8	9	6	8	11	12	13	14
27	12	10	10	10	8	9	6	8	11	13	12	13
28	12	10	10	10	8	9	6	8	7	13	12	13
29	12	10	10	10	8	9	6	8	10	13	12	13
30	12	10	10	10	—	9	6	8	11	12	13	13
31	12	—	10	10	—	9	—	8	—	12	12	—
Mean	12	10	10	10	9	9	7	7	10	15	11	13
Max.	12	10	10	10	10	10	8	8	31	27	13	16
Min.	12	10	10	10	8	8	6	7	7	9	10	12
A. F.	738	595	615	615	520	563	417	442	583	946	704	774

Totaal Acre-feet 7,512

DISCHARGE OF SKUNK CREEK—Sec. 1-14-37 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	4	3	2	2	3	3	3	1	2	2	2
2	4	4	3	2	2	4	3	3	1	2	2	2
3	4	4	3	2	2	4	3	3	1	2	2	2
4	4	4	3	2	2	4	3	3	1	2	2	2
5	4	4	3	2	2	4	3	3	1	2	2	2
6	4	4	3	2	2	2	3	3	1	2	2	2
7	4	4	3	2	2	2	3	3	1	2	2	2
8	4	4	3	2	2	2	3	3	1	2	2	2
9	4	4	3	2	2	2	3	3	1	2	2	2
10	4	4	3	2	2	2	3	3	1	2	2	2
11	4	4	3	2	2	4	3	3	1	2	2	2
12	4	4	3	2	2	4	3	3	1	2	2	2
13	4	4	3	2	2	4	3	3	1	2	2	2
14	4	4	3	2	2	4	3	3	1	2	2	2
15	4	4	3	2	2	4	3	3	1	2	2	2
16	4	4	3	2	2	5	3	3	2	2	2	2
17	4	4	3	2	2	5	3	3	2	2	2	2
18	4	4	3	2	2	5	3	3	2	2	2	2
19	4	4	3	2	2	5	3	3	2	2	2	2
20	4	4	3	2	2	5	3	3	2	2	2	2
21	4	4	3	2	4	4	3	1	3	2	2	2
22	4	4	3	2	4	4	3	1	3	2	2	2
23	4	4	3	2	4	4	3	1	3	2	2	2
24	4	4	3	2	4	4	3	1	3	2	2	2
25	4	4	3	2	4	4	3	1	3	2	2	2
26	4	4	3	2	4	4	3	1	2	2	2	3
27	4	4	3	2	4	4	3	1	2	2	2	3
28	4	4	3	2	4	4	3	1	2	2	2	3
29	4	4	3	2	4	4	3	1	2	2	2	3
30	4	4	3	2	—	4	3	1	2	2	2	3
31	4	—	3	2	—	4	—	1	—	2	2	—
Mean	4	4	3	2	3	4	3	2	2	2	2	2
Max.	4	4	3	2	4	5	3	3	3	2	2	3
Min.	4	4	3	2	2	2	3	1	1	2	2	2
A. F.	246	238	179	123	151	236	179	141	99	123	123	129

Total Acre-feet 1,967

DISCHARGE OF SPOTTED TAIL CREEK, DRY—Sec. 28-23-56 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	40	35	40	37	35	30	30	61	54	55	64
2	30	40	35	40	37	35	30	30	50	48	42	46
3	30	40	35	40	37	35	30	30	38	46	30	40
4	30	40	35	40	37	35	30	30	54	46	32	34
5	30	40	35	40	37	35	30	30	46	26	33	38
6	50	40	35	42	37	35	30	30	48	26	34	42
7	50	40	35	42	37	35	30	30	45	23	34	38
8	50	40	35	42	37	35	30	30	40	23	34	34
9	50	40	35	42	37	35	30	30	41	22	33	38
10	50	40	35	42	37	35	30	30	48	36	30	42
11	40	40	35	42	37	40	30	30	56	36	26	42
12	40	40	35	42	37	40	30	30	59	38	26	42
13	40	40	35	42	37	40	30	30	55	36	25	62
14	40	40	35	42	37	40	30	30	50	30	26	82
15	40	40	35	42	37	40	30	30	52	39	26	63
16	35	38	35	42	36	30	30	25	65	32	26	44
17	35	38	35	42	36	30	30	25	54	35	25	43
18	35	38	35	42	36	30	30	25	50	38	40	42
19	35	38	35	42	36	30	30	25	52	36	56	44
20	35	38	35	42	36	30	30	25	58	33	44	46
21	35	38	38	42	36	30	25	25	59	42	32	46
22	35	38	38	42	36	30	25	25	48	50	32	46
23	35	38	38	42	36	30	25	25	47	48	32	47
24	35	38	38	42	36	30	25	25	48	47	41	48
25	35	38	38	42	36	30	25	25	44	50	50	46
26	35	38	38	40	36	30	25	25	46	52	56	44
27	35	38	38	40	36	30	25	25	21	59	61	44
28	35	38	38	40	36	30	25	25	26	66	48	44
29	35	38	38	40	36	30	25	25	24	73	34	44
30	35	38	38	40	—	30	25	25	52	79	58	145
31	35	—	38	40	....	30	....	25	—	67	82	.....
Mean	37	39	36	41	37	33	28	27	48	43	39	49
Max.	50	40	38	42	37	40	30	30	65	79	82	145
Min.	30	38	35	40	36	30	25	25	21	22	25	34
A. F.	2301	2321	2218	2539	2101	2043	1686	1686	2850	2650	2386	2936

Total Acre-feet 27,717

DISCHARGE OF SPOTTED TAIL CREEK, WET, AND KRONBERG SEEP—Sec. 1-22-56 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	17	17	12	14	14	16	16	15	17	18	18
2	18	17	17	12	14	14	16	16	15	19	19	18
3	18	17	17	12	14	14	16	16	15	20	19	19
4	18	17	17	12	14	14	16	16	15	19	19	19
5	18	17	17	12	14	14	16	16	15	17	20	19
6	17	17	17	12	16	10	16	14	16	17	20	19
7	17	17	17	12	16	10	16	14	16	18	20	18
8	17	17	17	12	16	10	16	14	16	19	21	18
9	17	17	17	12	16	18	16	14	16	18	22	18
10	17	17	17	12	16	18	16	14	16	19	22	19
11	17	17	16	13	16	16	17	14	17	19	21	19
12	17	17	16	13	16	16	17	14	17	19	21	19
13	17	17	16	13	16	16	17	14	17	21	21	19
14	17	17	16	13	16	16	17	14	18	18	19	19
15	17	17	16	13	16	16	17	14	17	20	17	17
16	17	17	16	13	14	14	17	12	19	19	17	16
17	17	17	16	13	14	14	17	12	19	18	18	16
18	17	17	16	13	14	14	17	12	19	17	18	17
19	17	17	16	13	14	14	17	12	19	17	18	16
20	17	17	16	13	14	14	17	12	20	17	19	16
21	17	17	14	14	14	14	18	12	21	16	19	18
22	17	17	14	14	14	14	18	12	20	17	19	19
23	17	17	14	14	14	14	18	12	17	17	20	18
24	17	17	14	14	14	14	18	12	16	17	22	17
25	17	17	14	14	14	14	18	12	16	17	25	17
26	17	17	14	14	14	15	18	12	17	17	24	17
27	17	17	14	14	14	15	18	12	17	17	23	17
28	17	17	14	14	14	15	18	12	18	17	21	17
29	17	17	14	14	14	15	18	12	18	17	20	17
30	17	17	14	14	—	15	18	12	17	18	18	17
31	17	—	14	14	—	15	....	12	....	18	16	—
Mean	17	17	16	13	15	14	17	13	17	18	20	18
Max.	18	17	17	14	16	18	18	16	21	21	25	19
Min.	17	17	14	12	14	10	16	12	15	16	16	16
A. F.	1055	1012	960	801	845	885	1012	817	1020	1103	1222	1057

Total Acre-feet 11,789

DISCHARGE OF SPRING CREEK—Sec. 4-23-58 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	10	10	10	10	11	10	10	11	8	10	10
2	10	10	10	10	10	11	10	10	11	8	10	10
3	10	10	10	10	10	11	10	10	11	8	10	10
4	10	10	10	10	10	11	10	10	11	8	10	10
5	10	10	10	10	10	11	10	10	11	8	10	10
6	10	10	10	10	10	10	10	10	10	8	10	10
7	10	10	10	10	10	10	10	10	10	8	10	10
8	10	10	10	10	10	10	10	10	10	8	10	10
9	10	10	10	10	10	10	10	10	10	8	10	10
10	10	10	10	10	10	10	10	10	10	8	10	10
11	10	10	10	10	10	11	10	10	8	9	11	10
12	10	10	10	10	10	11	10	10	8	9	11	10
13	10	10	10	10	10	11	10	10	8	9	11	10
14	10	10	10	10	10	11	10	10	8	9	11	10
15	10	10	10	10	10	11	10	10	8	9	11	10
16	10	10	10	10	10	11	10	11	8	9	11	11
17	10	10	10	10	10	11	10	11	8	9	11	11
18	10	10	10	10	10	11	10	11	8	9	11	11
19	10	10	10	10	10	11	10	11	8	9	11	11
20	10	10	10	10	10	11	10	11	8	9	11	11
21	10	10	10	10	10	10	10	11	8	10	11	11
22	10	10	10	10	10	10	10	11	8	10	11	11
23	10	10	10	10	10	10	10	11	8	10	11	11
24	10	10	10	10	10	10	10	11	8	10	11	11
25	10	10	10	10	10	10	10	11	8	10	11	11
26	10	10	10	10	10	10	10	11	8	10	10	11
27	10	10	10	10	10	10	10	11	8	10	10	11
28	10	10	10	10	10	10	10	11	8	10	10	11
29	10	10	10	10	10	10	10	11	8	10	10	11
30	10	10	10	10	....	10	10	11	8	10	10	11
31	10	....	10	10	....	10	....	11	....	10	10	....
Mean	10	10	10	10	10	10	10	11	9	9	10	10
Max.	10	10	10	10	10	11	10	11	11	10	11	11
Min.	10	10	10	10	10	10	10	10	8	8	10	10
A. F.	615	595	615	615	575	645	595	647	526	555	645	625

Total Acre-feet 7,253

DISCHARGE OF STREVER CREEK—Sec. 1-8-20 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	32	23	15	18	26	18	25	50	35	80	35
2	29	32	23	15	18	26	18	25	150	38	56	38
3	29	32	23	15	18	26	18	25	150	50	60	42
4	29	32	23	15	18	26	18	25	100	52	64	46
5	29	32	23	15	18	26	18	25	59	43	64	51
6	29	29	26	14	18	24	16	25	46	42	65	54
7	29	29	26	14	18	24	16	25	48	35	63	48
8	29	29	26	14	18	24	16	25	43	44	62	45
9	29	29	26	14	18	24	16	25	41	43	53	43
10	29	29	26	14	18	24	16	25	40	37	44	52
11	30	26	31	13	18	22	15	26	51	30	41	62
12	30	26	31	13	18	22	15	26	48	25	36	64
13	30	26	31	13	29	22	15	26	49	26	31	67
14	30	26	31	13	29	22	15	26	48	19	26	65
15	30	26	31	13	29	22	15	26	44	18	26	64
16	30	23	36	12	29	22	15	26	43	13	25	61
17	30	23	36	12	29	22	20	26	88	11	32	59
18	30	23	36	12	29	22	20	26	65	17	39	59
19	30	23	36	12	29	22	20	26	106	18	42	60
20	30	23	36	12	29	22	20	26	120	18	45	53
21	31	21	29	15	28	21	20	20	89	19	41	46
22	31	21	29	15	28	21	20	20	68	6	38	47
23	31	21	29	15	28	21	25	20	56	34	28	49
24	31	21	29	15	28	21	25	20	53	17	18	45
25	31	21	29	15	28	21	25	20	48	1	18	41
26	32	21	22	18	27	20	25	20	48	26	19	50
27	32	19	22	18	27	20	30	20	43	51	22	59
28	32	19	22	18	27	20	30	20	38	42	26	64
29	32	19	22	18	27	20	30	20	36	34	28	65
30	32	19	22	18	....	20	30	50	32	69	30	65
31	32	....	22	18	....	20	....	50	....	104	32	....
Mean	30	25	28	15	24	22	20	26	63	33	40	53
Max.	32	32	36	18	29	26	30	50	150	104	80	67
Min.	29	19	22	12	18	20	15	20	32	1	18	35
A. F.	1858	1491	1700	898	1380	1378	1190	1567	3769	2017	2487	3172

Total Acre-feet 22,907

DISCHARGE OF THIRTY MILE CANAL WASTE, SIX FOOT WEIR
Southwest Corner of Sec. 8-10-24 W.
Year Ending September 30, 1932

Date	May	June	July	Aug.	Sept.
1	*	0	14	0	30
2	—	0	7	1	15
3	....	0	18	1	2
4	....	0	8	0	12
5	—	0	2	10	23
6	—	20	5	20	12
7	—	20	2	27	1
8	—	12	1	34	10
9	....	13	0	35	20
10	—	14	17	37	37
11	—	20	18	20	55
12	—	23	22	4	50
13	—	30	0	2	45
14	....	28	2	0	25
15	....	28	0	0	10
16	....	25	0	25	48
17	—	18	0	12	0
18	—	23	0	0	9
19	—	25	0	0	18
20	—	40	0	2	20
21	....	35	0	20	23
22	—	30	0	45	24
23	—	27	0	22	25
24	—	15	0	0	23
25	—	3	10	0	21
26	....	6	0	0	17
27	....	23	0	0	14
28	....	20	0	0	21
29	—	18	0	0	28
30	—	20	0	0	28
31	—	....	0	0	....
Mean	—	17	4	10	26
Max.	—	40	22	45	55
Min.	—	0	0	0	2
A. F.	....	1063	250	629	1319

Total Acre-feet 3,261
*No record

DISCHARGE OF THIRTY MILE CANAL WASTE, EIGHT FOOT WEIR
Half Section Line Sec. 8-10-24 W.
Year Ending September 30, 1932

May	June	July	Aug.	Sept.
*	5	31	0	9
—	5	7	2	4
....	5	26	0	0
—	5	8	0	5
—	5	4	0	11
—	8	6	2	26
—	16	2	1	42
....	26	1	0	22
....	22	0	8	2
....	20	0	17	0
—	15	0	28	21
—	29	9	40	20
—	33	0	22	22
—	33	0	4	16
....	34	0	8	10
—	26	0	11	12
—	29	0	15	13
—	31	0	19	25
—	36	0	13	37
....	44	0	7	31
....	50	0	19	26
....	50	0	31	25
—	48	0	15	24
—	44	0	0	18
—	42	0	0	13
—	33	0	0	7
....	35	0	0	1
—	40	0	0	1
—	40	0	0	1
—	26	0	0	1
....	....	0	0	....
....	27	3	8	14
—	50	31	40	42
—	5	0	0	0
....	1656	186	520	883

Total Acre-feet 3,245

DISCHARGE OF TOOHEY DRAIN—Sec. 20-23-56 W.
Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	3	3	2	1	2	2	1	2	3	4	4
2	4	3	3	2	1	2	2	1	2	3	4	4
3	4	3	3	2	1	2	2	1	2	3	4	4
4	4	3	3	2	1	2	2	1	2	3	4	4
5	4	3	3	2	1	2	2	1	2	3	4	4
6	4	3	3	2	3	2	2	1	2	3	4	4
7	4	3	3	2	3	2	2	1	2	3	4	4
8	4	3	3	2	3	2	2	1	2	3	4	4
9	4	3	3	2	3	2	2	1	2	3	4	4
10	4	3	3	2	3	2	2	1	2	3	4	4
11	4	3	3	2	2	2	2	1	2	3	4	4
12	4	3	3	2	2	2	2	1	2	3	4	4
13	4	3	3	2	2	2	2	1	2	3	4	4
14	4	3	3	2	2	2	2	1	2	3	4	4
15	4	3	3	2	2	2	2	1	2	3	4	4
16	4	3	3	2	2	2	2	2	2	4	4	4
17	4	3	3	2	2	2	2	2	2	4	4	4
18	4	3	3	2	2	2	2	2	2	4	4	4
19	4	3	3	2	2	2	2	2	2	4	4	4
20	4	3	3	2	2	2	2	2	2	4	4	4
21	4	3	3	2	2	2	2	2	2	4	4	4
22	4	3	3	2	2	2	2	2	2	4	4	4
23	4	3	3	2	2	2	2	2	2	4	4	4
24	4	3	3	2	2	2	2	2	2	4	4	4
25	4	3	3	2	2	2	2	2	2	4	4	4
26	4	3	3	1	2	2	2	2	2	4	4	4
27	4	3	3	1	2	2	2	2	2	4	4	4
28	4	3	3	1	2	2	2	2	2	4	4	4
29	4	3	3	1	2	2	2	2	2	4	4	4
30	4	3	3	1	....	2	2	2	2	4	4	4
31	4	—	3	1	—	2	—	2	—	4	4	....
Mean	4	3	3	2	2	2	2	2	2	4	4	4
Max.	4	3	3	2	3	2	2	2	2	4	4	4
Min.	4	3	3	1	1	2	2	1	2	3	4	4
A. F.	246	179	184	111	115	123	119	93	119	216	246	238

Total Acre-feet 1,989

DISCHARGE OF TOOHEY SPILLWAY—Sec. 19-23-56 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	22	20	18	17	15	14	12	0	0	0	0
2	0	22	20	18	17	15	14	12	0	0	0	0
3	0	22	20	18	17	15	14	12	0	0	0	0
4	0	22	20	18	17	15	14	12	0	0	0	0
5	0	22	20	18	17	15	14	12	0	0	0	0
6	26	22	20	18	17	15	14	12	0	0	0	0
7	26	22	20	18	17	15	14	12	0	0	0	0
8	26	22	20	18	17	15	14	12	0	0	0	0
9	26	22	20	18	17	15	14	12	0	0	0	0
10	26	22	20	18	17	15	14	12	0	0	0	0
11	26	22	20	18	17	15	14	12	0	0	0	0
12	26	22	20	18	17	15	14	12	0	0	0	0
13	26	22	20	18	17	15	14	12	0	0	0	0
14	26	22	20	18	17	15	14	12	0	0	0	0
15	26	22	20	18	17	15	14	12	0	0	0	0
16	24	22	20	17	16	15	13	0	0	0	0	0
17	24	22	20	17	16	15	13	0	0	0	0	0
18	24	22	20	17	16	15	13	0	0	0	0	0
19	24	22	20	17	16	15	13	0	0	0	0	0
20	24	22	20	17	16	15	13	0	0	0	0	0
21	24	22	20	17	16	15	13	0	0	0	0	0
22	24	22	20	17	16	15	13	0	0	0	0	0
23	24	22	20	17	16	15	13	0	0	0	0	0
24	24	22	20	17	16	15	13	0	0	0	0	0
25	24	22	20	17	16	15	13	0	0	0	0	0
26	22	22	20	17	16	15	13	0	0	0	0	0
27	22	22	20	17	16	15	13	0	0	0	0	0
28	22	22	20	17	16	15	13	0	0	0	0	0
29	22	22	20	17	16	15	13	0	0	0	0	0
30	22	22	20	17	....	15	13	0	0	0	0	80
31	22	....	20	17	—	15	....	0	—	0	0	—
Mean	20	22	20	17	17	15	14	6	0	0	0	3
Max.	26	22	20	18	17	15	14	12	0	0	0	80
Min.	22	22	20	17	16	15	13	0	0	0	0	0
A. F.	1210	1309	1230	1075	950	922	803	357	0	0	0	159

Total Acre-feet 8,015

DISCHARGE OF TUB SPRINGS*

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	50	45	35	32	32	30	30	12	9	31	32
2	70	50	45	35	32	32	30	30	16	15	18	21
3	70	50	45	35	32	32	30	30	21	41	11	37
4	70	50	45	35	32	32	30	30	25	39	11	53
5	70	50	45	35	32	32	30	30	22	18	11	55
6	70	50	45	35	32	30	33	30	20	9	11	58
7	70	50	45	35	32	30	33	30	20	10	11	37
8	70	50	45	35	32	30	33	30	17	10	12	17
9	70	50	45	35	32	30	33	30	14	10	12	16
10	70	50	45	35	32	30	33	30	13	11	11	19
11	60	45	45	35	32	40	33	30	17	12	11	34
12	60	45	45	35	32	40	33	30	96	7	10	50
13	60	45	45	35	32	40	33	30	54	8	10	41
14	60	45	45	35	32	40	33	30	27	15	21	33
15	60	45	45	35	32	40	33	30	25	14	32	29
16	60	45	45	35	32	30	35	30	72	20	21	26
17	60	45	45	35	32	30	35	30	31	28	11	33
18	60	45	45	35	32	30	35	30	40	39	11	41
19	60	45	45	35	32	30	35	30	85	30	11	26
20	60	45	45	35	32	30	35	30	122	21	12	11
21	55	45	40	32	32	30	35	30	116	16	12	22
22	55	45	40	32	32	30	35	30	78	11	12	17
23	55	45	40	32	32	30	35	30	10	11	12	23
24	55	45	40	32	32	30	35	30	12	11	14	29
25	55	45	40	32	32	30	35	30	8	12	14	34
26	55	45	40	32	32	30	35	30	6	12	16	40
27	55	45	40	32	32	30	35	30	8	12	16	52
28	55	45	40	32	32	30	35	30	11	13	24	64
29	55	45	40	32	32	30	35	30	12	15	43	83
30	55	45	40	32	....	30	35	30	23	15	43	103
31	55	....	40	32	—	30	—	30	—	23	43	—
Mean	61	47	43	34	32	32	34	30	34	17	17	38
Max.	70	50	45	35	32	40	35	30	122	41	43	103
Min.	55	45	40	32	32	30	30	30	6	7	10	11
A. F.	3779	2777	2658	2087	1841	1964	1993	1845	2049	1025	1067	2253

Total Acre-feet 25,338

*October 1-May 31, Sec. 8-22-55; June 1-September 30, Sec. 32-23-55

DISCHARGE OF WHITE RIVER AT CRAWFORD—Sec. 10-31-52 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	*	*	*	*	34	26	73	27	20	17	14
2	14	....	—	—	29	32	26	36	26	20	15	14
3	14	....	—	....	*	26	26	35	26	28	14	13
4	14	—	—	—	—	26	26	32	25	20	14	13
5	14	—	....	—	—	22	26	31	29	19	13	13
6	14	....	....	—	....	22	26	146	29	18	13	14
7	14	23	—	—	—	22	25	45	24	18	13	14
8	14	—	—	—	....	20	24	38	24	17	11	14
9	14	—	....	—	....	20	24	38	29	17	11	14
10	14	....	—	—	—	18	27	37	32	17	11	14
11	18	....	—	—	—	18	26	35	24	16	11	14
12	18	....	—	....	—	18	26	34	24	14	10	14
13	17	—	—	—	....	22	24	32	24	34	10	13
14	15	....	15	—	—	24	24	32	19	22	137	12
15	15	—	....	—	....	26	22	34	19	16	24	12
16	15	—	....	—	—	28	22	33	24	15	20	12
17	15	—	....	—	....	28	22	32	24	15	17	12
18	15	—	—	—	....	28	22	30	22	14	16	12
19	15	—	....	....	—	27	22	27	37	14	15	13
20	15	....	—	....	—	26	22	24	48	13	15	13
21	17	....	—	—	—	26	22	24	37	13	17	14
22	17	—	....	—	—	27	22	24	35	13	17	15
23	17	....	....	—	....	26	26	24	34	13	15	15
24	17	—	—	—	....	26	58	24	24	13	15	16
25	17	—	—	....	—	26	116	24	24	13	15	19
26	17	....	—	....	—	26	111	24	39	11	16	19
27	17	—	—	—	—	26	106	25	36	11	17	18
28	17	....	—	—	—	26	113	27	24	11	17	18
29	17	....	—	....	—	26	111	27	23	15	17	17
30	18	—	—	—	—	26	91	27	22	17	15	17
31	18	—	—	....	....	26	—	28	....	19	15	—
Mean	16	20	20	20	30	25	42	36	28	17	19	14
Max.	18	....	—	—	—	34	116	146	48	34	137	19
Min.	14	—	—	....	—	18	22	24	19	11	10	12
A. F.	965	1190	1230	1230	1730	1540	2510	2180	1650	1020	1160	857

Total Acre-feet 17,300

*No record

DISCHARGE OF WHITE RIVER AT CHADRON—Sec. 18-33-49 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0	*	*	*	*	40	20	35	13	6.0	0.6	6
2	.4	—	—	—	....	38	23	25	12	9.0	1.0	5
3	.8	—	....	—	12	38	20	24	9	4.0	.6	4
4	.8	—	—	—	....	38	16	24	11	7.0	.1	1
5	2.0	....	....	—	—	38	15	81	12	5.0	.4	1
6	2.0	—	....	....	—	30	12	200	11	3.0	.0	0
7	6.0	3	—	—	—	30	10	103	16	2.0	.0	0
8	9.0	—	....	—	....	30	10	81	38	.9	.0	0
9	6.0	....	—	—	—	30	11	55	21	2.0	2.0	0
10	11.0	....	—	—	—	30	10	38	22	3.0	2.0	5
11	11.0	....	—	....	—	32	9	25	17	4.0	1.0	4
12	6.0	—	—	—	....	32	9	24	17	4.0	.8	4
13	9.0	—	—	—	....	32	7	17	14	7.0	.1	4
14	11.0	—	15	....	—	32	10	23	13	50.0	131.0	6
15	9.0	....	....	—	—	32	10	20	16	31.0	135.0	9
16	6.0	—	....	—	—	36	6	17	17	5.0	16.0	6
17	9.0	—	—	....	—	36	5	20	38	2.0	10.0	7
18	9.0	—	—	....	....	36	10	15	22	.6	5.0	7
19	6.0	—	—	....	—	36	9	15	13	.8	4.0	5
20	9.0	—	....	—	—	36	7	17	13	.6	3.0	4
21	16.0	....	....	—	—	34	7	12	11	3.0	2.0	4
22	61.0	—	—	....	—	34	5	12	7	3.0	.4	5
23	26.0	—	—	....	....	34	75	14	7	6.0	2.0	3
24	6.0	—	—	....	—	34	300	11	9	8.0	1.0	5
25	4.0	—	....	—	—	34	200	11	6	6.0	7.0	4
26	.7	—	....	—	—	30	111	15	7	4.0	40.0	5
27	.7	—	—	....	—	30	70	20	13	.6	12.0	3
28	6.0	—	—	....	....	30	39	16	6	.1	10.0	5
29	4.0	—	—	....	—	33	41	20	2	.6	6.0	4
30	2.0	—	....	—	—	35	35	20	4	.8	7.0	3
31	.7	....	....	—	—	27	—	15	....	.8	6.0	—
Mean	8.1	15	25	25	35	34	47	33	14	5.8	13.1	4
Max.	61.0	—	—	—	....	40	300	200	38	50.0	135.0	9
Min.	.4	—	....	—	—	27	5	11	2	.1	.0	0
A. F.	500	893	1540	1540	2010	2060	2800	2030	827	357.0	806.0	238

*No record

DISCHARGE OF WHITE HORSE CREEK—Sec. 5-13-29 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	10	13	15	13	20	20	20	9	7	17	7
2	8	10	13	15	13	20	20	20	8	6	14	6
3	8	10	13	15	13	20	20	20	7	65	12	6
4	8	10	13	15	13	20	20	20	6	23	11	6
5	8	10	13	15	13	20	20	20	7	14	10	6
6	5	10	14	14	14	25	19	18	6	11	12	5
7	5	10	14	14	14	25	19	18	7	9	15	5
8	5	10	14	14	14	25	19	18	7	8	14	6
9	5	10	14	14	14	25	19	18	6	9	13	6
10	5	10	14	14	14	25	19	18	6	8	13	5
11	7	11	15	13	15	30	19	16	10	7	12	7
12	7	11	15	13	15	30	19	16	10	6	12	8
13	7	11	15	13	15	30	19	16	10	6	12	8
14	7	11	15	13	15	30	19	16	9	5	12	7
15	7	11	15	13	15	30	19	16	8	4	12	7
16	8	11	17	12	17	40	19	11	8	5	11	6
17	8	11	17	12	17	40	19	11	10	5	10	6
18	8	11	17	12	17	40	19	11	9	5	9	7
19	8	11	17	12	17	40	19	11	22	4	8	7
20	8	11	17	12	17	40	19	11	17	7	8	6
21	9	12	17	11	18	30	30	10	14	7	8	6
22	9	12	17	11	18	30	30	10	11	6	8	6
23	9	12	17	11	18	30	30	10	10	8	7	6
24	9	12	17	11	18	30	30	10	9	11	7	6
25	9	12	17	11	18	30	30	10	8	9	6	6
26	10	12	16	12	19	25	35	9	9	8	6	7
27	10	12	16	12	19	25	35	9	9	8	7	7
28	10	12	16	12	19	25	35	9	8	7	7	7
29	10	12	16	12	19	25	35	9	9	8	6	7
30	10	—	16	12	—	25	35	9	7	9	6	7
31	10	....	16	12	....	25	....	9	—	13	8	—
Mean	8	11	15	13	16	28	24	14	9	10	10	6
Max.	10	12	17	15	19	40	35	20	22	65	17	8
Min.	5	10	13	11	13	20	19	9	6	4	6	5
A. F.	486	654	944	787	914	1736	1408	851	547	611	621	369

Total Acre-feet 9,928

DISCHARGE OF WHITE TAIL CREEK—Sec. 36-15-28 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	35	30	30	35	35	35	35	34	30	26	29
2	15	35	30	30	35	35	35	35	26	29	27	29
3	15	35	30	30	35	35	35	35	19	31	27	28
4	15	35	30	30	35	35	35	35	23	30	25	26
5	15	35	30	30	35	35	35	35	20	28	23	27
6	20	35	30	35	35	30	40	30	18	28	24	28
7	20	35	30	35	35	30	40	30	18	26	26	28
8	20	35	30	35	35	30	40	30	18	25	26	29
9	20	35	30	35	35	30	40	30	18	28	26	28
10	20	35	30	35	35	30	40	30	20	28	25	26
11	20	35	30	35	35	35	40	30	23	29	24	28
12	20	35	30	35	35	35	40	30	23	29	26	30
13	20	35	30	35	35	35	40	30	20	30	27	29
14	20	35	30	35	35	35	40	30	19	29	26	28
15	20	35	30	35	35	35	40	30	20	23	25	28
16	25	33	28	35	35	35	45	20	20	30	26	28
17	25	33	28	35	35	35	45	20	20	24	27	29
18	25	33	28	35	35	35	45	20	20	24	26	29
19	25	33	28	35	35	35	45	20	28	25	26	29
20	25	33	28	35	35	35	45	20	35	26	24	29
21	25	33	28	35	35	35	40	20	32	26	23	28
22	25	33	28	35	35	35	40	20	33	27	24	26
23	25	33	28	35	35	35	40	20	34	26	25	26
24	25	33	28	35	35	35	40	20	34	26	25	26
25	25	33	28	35	35	35	40	20	33	24	25	27
26	35	33	28	35	35	35	40	20	32	23	30	27
27	35	33	28	35	35	35	40	20	32	25	35	26
28	35	33	28	35	35	35	40	20	33	27	41	26
29	35	33	28	35	35	35	40	20	31	26	47	26
30	35	33	28	35	....	35	40	20	33	26	38	27
31	35	—	28	35	—	35	—	20	—	26	29	—
Mean	24	34	29	34	35	34	40	26	26	27	28	28
Max.	35	35	30	35	35	35	45	35	35	31	47	30
Min.	15	33	28	30	35	30	35	20	18	23	23	26
A. F.	1458	2023	1781	2103	2013	2103	2380	1577	1525	1654	1694	1646

Total Acre-feet 21,957

DISCHARGE OF WILLOW CREEK AT SARBEN—Sec. 15-14-35 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	1	1	2	1	1	1	2	1	1	1	1
2	2	1	1	2	1	1	1	2	1	1	1	1
3	2	1	1	2	1	1	1	2	1	1	1	1
4	2	1	1	2	1	1	1	2	1	1	1	1
5	2	1	1	2	1	1	1	2	1	1	1	1
6	2	1	1	2	1	1	1	2	1	1	1	1
7	2	1	1	2	1	1	1	2	1	1	1	1
8	2	1	1	2	1	1	1	2	1	1	1	1
9	2	1	1	2	1	1	1	2	1	1	1	1
10	2	1	1	2	1	1	1	2	1	1	1	1
11	1	1	1	1	1	2	1	2	1	1	1	1
12	1	1	1	1	1	2	1	2	1	1	1	1
13	1	1	1	1	1	2	1	2	1	1	1	1
14	1	1	1	1	1	2	1	2	1	1	1	1
15	1	1	1	1	1	2	1	2	1	1	1	1
16	1	1	2	1	1	2	2	1	1	1	1	1
17	1	1	2	1	1	2	2	1	1	1	1	1
18	1	1	2	1	1	2	2	1	1	1	1	1
19	1	1	2	1	1	2	2	1	1	1	1	1
20	1	1	2	1	1	2	2	1	1	1	1	1
21	1	1	1	1	2	1	2	1	1	1	2	1
22	1	1	1	1	2	1	2	1	1	1	2	1
23	1	1	1	1	2	1	2	1	1	1	2	1
24	1	1	1	1	2	1	2	1	1	1	2	1
25	1	1	1	1	2	1	2	1	1	1	2	1
26	1	2	2	1	2	1	2	1	1	1	2	1
27	1	2	2	1	2	1	2	1	1	1	2	1
28	1	2	2	1	2	1	2	1	1	1	2	1
29	1	2	2	1	2	1	2	1	1	1	2	1
30	1	2	2	1	....	1	2	1	1	1	2	1
31	1	....	2	1	....	1	—	1	—	1	2	—
Mean	1	1	1	1	1	1	2	2	1	1	1	1
Max.	2	2	2	2	2	2	2	2	1	1	2	1
Min.	1	1	1	1	1	1	1	1	1	1	1	1
A. F.	81	69	83	81	75	81	89	91	60	61	83	61

Total Acre-feet 915

DISCHARGE OF WINTERS CREEK—Sec. 19-22-54 W.

Year Ending September 30, 1932

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	95	63	60	56	55	53	52	52	19	24	109	67
2	95	63	60	56	55	53	52	52	20	9	101	106
3	95	63	60	56	55	52	52	51	20	14	28	116
4	95	63	60	56	55	55	52	48	25	17	29	123
5	95	63	60	56	55	54	54	48	30	15	22	92
6	90	63	60	56	55	53	54	58	31	15	23	77
7	90	63	63	56	53	54	52	55	18	25	26	50
8	90	63	60	56	53	53	54	53	17	44	30	74
9	90	63	60	56	53	53	54	48	7	52	65	73
10	90	63	60	56	42	55	54	48	7	41	44	97
11	90	62	60	56	50	53	53	47	9	44	66	77
12	90	62	60	56	50	52	53	46	6	48	33	56
13	90	62	60	56	50	53	53	46	23	71	49	48
14	80	62	60	56	50	52	52	46	21	91	36	84
15	80	62	60	56	52	52	44	77	11	84	63	85
16	80	62	58	56	53	51	44	66	18	45	61	97
17	80	62	58	56	53	50	44	74	6	61	69	79
18	80	62	58	56	53	49	42	71	11	65	44	78
19	80	62	58	56	53	48	42	52	18	105	46	95
20	80	62	58	56	53	49	42	5	32	97	39	87
21	70	61	58	56	53	49	48	75	32	88	75	135
22	70	61	58	56	53	49	50	52	32	32	80	122
23	68	61	58	56	53	49	52	30	32	48	90	74
24	70	61	58	56	53	51	62	25	29	52	71	87
25	70	61	58	56	52	51	58	25	19	52	67	69
26	65	61	58	56	52	51	56	23	14	83	63	93
27	65	61	58	57	52	51	53	14	15	85	87	91
28	65	61	58	55	52	52	52	13	26	46	106	105
29	65	61	58	55	52	52	52	52	11	53	116	124
30	65	61	58	53	—	52	51	23	8	60	75	129
31	65	—	58	55	—	51	....	21	....	111	71	—
Mean	80	62	59	56	52	52	51	45	19	54	61	90
Max.	95	63	63	57	55	55	62	77	32	111	116	135
Min.	65	61	58	53	42	48	42	5	6	9	22	48
A. F.	4940	3690	3630	3430	3010	3180	3040	2770	1120	3330	3740	5340

Total Acre-feet 41,200

ACTUAL DISCHARGE MEASUREMENTS OF CANALS

ABERDEEN CANAL—D-50 a, D 50-b, D-68

Diverted from Frenchman River—Sec. 3-5-38 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-11	C. E. Franklin	—	—	—	0.0
5-29	do	—	—	—	.0
6-12	do	—	—	—	.0
6-28	do	—	—	—	.0
7-11	do	—	—	—	.0
8-3	do	4.2	1.61	1.60	6.8
8-19	do	—	—	—	.0
8-26	do	—	—	—	.0
9-25	do	—	—	—	.0
1930					
4-19	C. E. Franklin	—	—	—	0.0
5-3	do	—	—	—	.0
6-20	do	—	—	—	.0
8-10	do	2.8	1.28	—	3.5
9-22	do	—	—	—	.0
1931					
5-26	C. E. Franklin	—	—	—	0.0
6-19	do	—	—	—	.0
7-9	do	—	—	—	.0
7-16	do	—	—	—	.0
7-27	do	2.0	1.43	—	2.1
8-23	do	1.0	1.10	0.25	.6
9-10	do	—	—	—	.0
1932					
10-5	C. E. Franklin	—	—	—	0.0
7-13	Hall and Korell	—	—	—	.0

ADAMS CANAL—D-371

Diverted from Lodgepole Creek—Sec. 3-14-52 W.
Measurements Made at Headgate

1929					
5-9	C. E. Franklin	—	—	—	0.0
5-24	do	—	—	—	.0
6-26	do	—	—	—	.0
7-9	do	—	—	—	.0
9-14	do	—	—	—	.0
1930					
3-4	C. E. Franklin	—	—	—	0.0
4-14	do	—	—	—	.0
4-28	do	—	—	—	.0
5-13	do	—	—	—	.0
6-12	do	—	—	—	.0
7-17	do	—	—	—	.0
8-7	do	—	—	—	.0
8-22	do	—	—	—	.0
9-4	do	—	—	—	.0
9-18	do	—	—	—	.3

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ADAMS CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-3	C. E. Franklin	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-15	do	1.0	0.84	.....	1.0
7-24	do	1.0	.40	.....	.2
8-19	do	.....	.....	.....	.4
9-5	do	1.0	.40	.....	.2
9-24	do	.....	.....	.....	.0

AIREDALE CANAL NO. 2—A-699
Diverted from Pumpkinseed Creek—Sec. 1-19-55 W.
Measurements Made at Headgate

1929					
7-6	C. E. Franklin	.....	.....	.....	0.0
1930					
4-25	C. E. Franklin	.....	.....	.....	0.0
6-10	do	.....	.....	.....	.0
1931					
8-30	C. E. Franklin	.....	.....	.....	0.0

AIREDALE CANAL NO. 3—A-1508
Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.
Measurements Made at Intake

1930					
6-10	C. E. Franklin	8.0	0.66	.....	5.4

ALFALFA CANAL—D-738
Diverted from North Platte River—Sec. 1-15-42 W.
Measurements Made at Rating Flume

1929					
4-25	A. E. Johnston	.....	.....	.....	0.0
5-22	do	17.0	1.05	1.25	17.9
6-14	do	18.6	1.07	1.60	19.9
6-25	do	30.0	1.03	2.40	30.9
7-19	do	16.4	1.17	1.40	19.2
8-9	A. W. Hall	26.9	1.17	2.16	31.6
1930					
10-3	A. E. Johnston	.....	.....	.....	0.0
6-3	do	.....	.....	.....	.0
7-5	do	27.8	0.74	2.25	20.6
7-11	do	31.8	.91	1.60	28.8
7-16	do	40.9	1.17	1.85	47.9
7-22	do	11.8	.35	.50	4.1
7-25	do	.....	.....	.....	.0
8-4	do	41.8	1.06	2.10	44.3
8-20	do	32.0	1.30	1.85	41.2
8-27	do	7.3	.76	.30	5.5
9-23	do	18.7	1.17	1.05	21.9

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ALFALFA CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
10-28	A. E. Johnston	.....	.....	.....	0.0
5-15	do	.....	.....	.....	.0
6-1	do	8.7	0.75	0.20	6.4
6-12	do	3.0	1.46	1.42	44.0
6-22	J. V. Ruzicka	22.0	.98	1.00	22.0
6-23	A. W. Hall	21.0	1.00	.90	21.0
6-26	A. E. Johnston	29.0	1.03	1.35	30.0
7-9	do	16.4	.14	.60	23.3
7-19	do	.....	.....	.....	.0
8-11	do	36.0	1.44	1.72	51.2
8-19	do	.....	.....	.....	.0
9-4	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
1932					
10-10	A. E. Johnston	23.0	1.48	1.00	34.0
10-23	do	.....	.....	.....	.0
11-2	do	.....	.....	.....	.0
4-9	do	30.0	1.75	1.40	52.8
4-19	do	.....	.....	.....	.0
5-10	do	25.0	1.36	1.05	33.8
5-14	do	14.0	1.02	.65	14.5
5-20	do	21.0	1.21	.85	25.2
5-24	do	28.0	1.21	1.25	33.8
6-3	do	.....	.....	.40	19.9
6-4	do	32.0	1.31	1.60	41.7
6-8	do	31.0	1.12	1.44	34.6
6-25	do	34.0	.98	1.60	32.6
7-6	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
7-27	do	33.0	1.62	1.64	53.2
8-6	do	33.0	1.42	1.52	46.7
8-10	J. V. Ruzicka	6.0	.68	.02	4.1
8-27	A. E. Johnston	29.0	1.43	1.40	41.5
9-10	do	9.0	.74	.15	6.6
9-23	do	.....	.....	.....	.0

ALLEN-LARNED CANAL—D-117

Diverted from Buffalo Creek—Sec. 18-1-40 W.
Measurements Made at Headgate

1929					
5-16	C. E. Franklin	.....	.....	.....	0.0
6-1	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
6-30	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-28	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ALLEN-LARNED CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
3-13	C. E. Franklin	—	—	—	0.0
4-23	do	—	—	—	.0
5-7	do	—	—	—	.0
5-20	do	—	—	—	.0
6-5	do	—	—	—	.0
6-24	do	—	—	—	.0
7-16	do	—	—	—	.0
8-1	do	—	—	—	.0
8-14	do	—	—	—	.0
8-30	do	—	—	—	.0
9-12	do	—	—	—	.0
9-26	do	—	—	—	.0
1931					
4-27	C. E. Franklin	—	—	—	0.0
5-17	do	—	—	—	.0
6-6	do	—	—	—	.0
6-27	do	4.0	0.73	—	3.0
7-10	do	2.0	1.24	—	2.4
7-30	do	5.0	.79	—	4.0
8-27	do	—	—	—	.0
9-26	do	—	—	—	.0
1932					
6-20	A. W. Hall	3.0	0.71	—	4.2
8-9	do	3.8	1.03	—	3.9

ALLIANCE CANAL—D-874 (O. D. A-1776)
Diverted from Bayard Sugar Factory Drain—Sec. 5-20-52 W.
Measurements Made at Rating Flume

1930					
5-31	A. W. Hall	—	—	—	0.0
6-16	do	—	—	—	.0
6-21	do	18.7	1.31	2.40	24.4
8-18	do	13.5	.17	1.70	2.2
8-25	do	—	—	—	.0
9-23	do	—	—	—	1.0
1931					
10-6	A. W. Hall	—	—	—	1.0
6-16	do	18.4	1.77	2.35	33.0
6-29	do	18.0	1.33	2.30	23.3
7-7	do	21.0	1.88	2.60	39.1
7-13	do	18.4	1.54	2.30	28.0
7-25	A. E. Johnston	—	—	—	.0
8-24	do	8.0	.91	1.35	7.0
9-4	A. W. Hall	9.0	.28	1.25	3.0
9-11	F. F. LeFever	6.3	.18	1.00	1.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ALLIANCE CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1932					
6-6	F. F. LeFever	14.0	1.85	1.78	26.0
6-21	Follansbee and LeFever	.....	.....	.....	.4
6-29	F. F. LeFever	17.0	1.82	2.25	31.0
7-9	do	17.3	1.69	2.24	29.3
7-20	do	18.2	1.90	2.34	34.4
7-28	do	15.9	1.55	2.06	24.7
8-5	do	.....	.....	.....	.0
8-19	do	7.8	.56	1.07	4.4
9-3	do	.....	.....	.....	.0

ALLIANCE CANAL—D-874 (O. D. A-1429)
Diverted from Red Willow Creek—Sec. 6-20-51 W.
Measurements Made at Rating Flume

1929					
6-12	A. W. Hall	22.0	1.23	2.30	27.1
6-24	do	30.3	1.33	2.55	40.5
7-17	do	29.3	1.82	2.95	53.6
8-13	do	36.0	.95	2.95	34.5
9-16	do	.....	.....	.....	.0
1930					
5-31	A. W. Hall	.....	.....	.....	0.0
7-10	do	28.5	1.46	3.65	41.6
7-14	do	27.5	.99	2.90	27.1
8-9	do	28.6	.87	3.00	24.7
8-18	do	15.2	.18	1.40	2.7
8-25	do	.....	.....	.....	.0
9-23	do	30.8	1.04	3.10	32.0
1931					
10-6	A. W. Hall	.....	.....	.....	0.0
6-8	do	26.4	1.25	2.05	32.3
6-16	do	31.0	1.49	2.40	46.0
6-29	do	37.0	1.59	2.90	58.1
7-6	do	26.3	.73	2.00	19.2
7-7	do	25.0	.84	2.00	21.0
7-13	do	36.0	1.39	2.66	50.0
7-16	do	36.4	1.59	2.70	58.0
7-25	A. E. Johnston	.....	.....	.....	.0
8-12	Hall and LeFever	31.4	1.55	2.48	49.0
8-24	A. E. Johnston	40.0	1.54	3.10	61.4
9-4	A. W. Hall	31.0	1.02	2.40	32.0
9-11	F. F. LeFever	29.0	.84	2.34	24.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ALLIANCE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-3	A. W. Hall	30.0	0.27	3.42	8.0
5-27	F. F. LeFever	25.0	1.44	2.15	36.0
6-6	do	22.0	1.27	1.95	28.0
6-21	Follansbee and LeFever	28.0	1.50	2.50	42.0
6-29	F. F. LeFever	33.0	1.27	2.93	42.0
7-11	do	31.8	1.63	2.81	52.0
7-19	do	25.6	1.71	2.24	43.7
7-28	do	28.7	2.06	2.46	59.3
8-5	do	31.8	2.02	2.65	64.3
8-20	do	27.0	1.75	2.27	48.5
9-3	do	31.0	1.77	2.64	55.9
9-13	do	30.0	1.62	2.46	49.2
9-27	do	24.0	.78	1.95	18.7

ANDERSON CANAL—D-373

Diverted from Lodgepole Creek—Sec. 8-14-51 W.
Measurements Made at Headgate

1929					
5-11	C. E. Franklin	.....	.....	.....	0.0
5-24	do	.....	.....	.....	.3
6-26	do	2.2	0.64	.....	1.4
7-9	do	1.6	1.16	0.35	1.9
9-14	do	.....	.....	.....	.0
1930					
3-4	C. E. Franklin	.....	.....	.....	0.0
4-14	do	.....	.....	.....	.5
4-28	do	1.2	0.83	.....	1.0
5-13	do	.....	.....	.....	.2
6-12	do	1.2	.58	.....	.7
7-16	do	2.1	.68	.....	1.4
7-17	do	2.0	1.00	.....	2.0
8-5	do	2.0	.50	.....	1.0
8-22	do	1.0	.61	.....	.6
9-4	do	2.0	2.44	.....	4.8
9-18	do	1.2	.62	.....	.7
9-26	do	.....	.....	.....	.0
1931					
5-3	C. E. Franklin	.....	.....	.....	0.0
5-21	do	1.0	0.74	.....	1.0
6-15	do	3.0	1.05	0.78	3.1
7-10	do	.....	.....	.....	.0
7-24	do	3.4	.26	.....	1.0
8-19	do	2.0	.76	.....	1.2
9-5	do	2.0	.66	.....	1.1
9-24	do	2.0	.72	.....	1.3

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ANDERSON CANAL—D-151

Diverted from Republican River—Sec. 1-1-37 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-15	C. E. Franklin	.....	.....	.....	0.0
6-1	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
6-30	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
9-28	do	.....	.....	.....	.0
1930					
6-5	C. E. Franklin	.....	.....	.....	0.0
6-24	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
1931					
4-26	C. E. Franklin	.....	.....	.....	0.0
5-16	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0

ATKINS-POLLY CANAL—D-342, D-344

Diverted from Lodgepole Creek—Sec. 30-15-55 W.
Measurements Made at Rating Flume

1929					
5-7	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-9	do	2.6	0.68	.....	1.8
8-6	do	3.9	.62	.....	2.4
9-17	do	.....	.....	.....	.0
1930					
3-14	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6-10	do	.....	.....	.....	.0
6-27	do	4.4	1.16	.....	5.1
7-18	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	3.0	.66	.....	2.0
1931					
7-27	A. W. Hall	4.5	0.71	0.90	3.2
1932					
7-7	Hall and Hanna	3.1	1.00	0.70	3.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BARBER CANAL—D-754, A-1111

Diverted from Clear Creek—Sec. 29-16-41 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-22	A. E. Johnston	.....	.....	.....	0.0
6-14	do	5.3	1.72	1.00	9.1
6-26	do	4.4	2.04	1.10	9.0
7-19	do	2.0	1.00	.40	2.0
7-23	do	.....	.....	.....	.0
1930					
10-3	A. E. Johnston	.....	.....	.....	0.0
5-9	do	.....	.....	.....	.0
6-4	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
7-25	do	5.0	2.27	1.00	11.3
7-31	do	4.0	2.33	1.00	9.3
8-20	do	3.9	2.32	.90	9.1
8-27	do	.....	.....	.....	.0
9-23	do	.....	.....	.10	.5
1931					
10-28	A. E. Johnston	.....	.....	.....	0.0
6-1	do	3.5	3.10	0.70	11.0
6-11	do	.....	.....	.....	.0
6-22	A. W. Hall	2.0	4.36	.35	7.0
6-26	A. E. Johnston	3.0	3.32	.60	10.0
7-9	do	4.0	1.95	.78	8.0
7-19	do	5.0	1.90	.80	9.0
7-28	do	.....	.....	.....	.0
8-5	do	5.0	1.86	1.00	9.3
8-12	do	5.0	2.00	1.02	10.0
8-17	J. V. Ruzicka	3.0	2.56	.75	7.0
8-19	A. E. Johnston	4.0	1.98	.72	7.0
9-4	do	.....	.....	.....	.5
9-19	do	1.0	0.68	.20	1.0
1932					
10-1	A. E. Johnston	.....	0.58	0.20	0.4
10-10	do	.....	.....	.....	.5
10-23	do	.....	.....	.51	3.0
4-9	do	.....	1.16	1.00	4.8
4-19	do	.....	0.93	.30	1.3
5-24	do	3.6	1.94	.90	7.0
6-4	do	3.6	2.32	.90	8.4
6-8	do	1.1	.73	.10	.8
6-25	do	1.0	1.00	.10	1.0
7-16	do	2.8	2.52	.70	7.1
7-26	J. V. Ruzicka	4.0	2.36	1.00	9.4
8-6	A. E. Johnston	3.6	1.97	.87	6.9
8-19	J. V. Ruzicka	2.9	1.02	.75	2.9
8-27	A. E. Johnston	.8	.25	.40	.2
9-10	do	.....	.....	.....	.5
9-23	do	3.6	1.16	.90	4.2

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BARRON CANAL—D-438, A-2024
Diverted from Ash Creek—Sec. 32-32-50 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
6-21	A. E. Johnston	.....	.....	.....	0.0
1930					
9-4	A. E. Johnston	.....	.....	.....	0.0
1931					
4-13	A. E. Johnston	.....	.....	.....	0.0
5-22	do	0.4	0.3	.....	.1
6-20	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-2	do	0.7	0.71	.....	.5
6-20	do	1.8	1.44	.....	2.6

BAY STATE (BICKEL) CANAL—D-347
Diverted from Lodgepole Creek—Sec. 29-15-55 W.
Measurements Made at Rating Flume

1932					
7-26	Hall and Hanna	1.8	0.67	0.66	1.2
9-10	A. W. Hall	1.4	2.20	.52	3.1
9-10	do	1.0	1.10	.20	1.1

BEERLINE CANAL—D-887
Diverted from North Platte River—Sec. 24-19-49 W.
Measurements Made at Rating Flume

1929					
6-17	A. E. Johnston	9.6	1.95	0.50	18.7
7-22	do	4.6	1.24	.....	5.7
8-2	A. W. Hall	4.0	1.16	.35	4.6
8-9	do	4.4	.93	.70	4.1
8-12	C. E. Franklin	.8	.87	.....	.7
1930					
10-7	A. E. Johnston	.....	.....	.....	0.0
6-17	do	11.3	1.95	0.30	22.0
6-20	A. W. Hall	.....	.....	.....	.0
6-24	do	.....	.80	.....	.0
7-10	do	10.4	.92	.50	9.5
7-24	do	9.0	1.27	1.10	11.4
8-20	do	7.4	.75	1.20	5.5
9-26	do	9.7	1.17	.....	11.3

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BEERLINE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-18	A. E. Johnston	.....	.....	.....	.0
5-30	do	.....	.....	.....	.0
6-13	do	12.4	0.58	1.05	7.2
6-23	A. W. Hall	7.1	.82	.67	6.0
8-10	A. E. Johnston	3.1	1.15	.60	4.0
8-21	do	5.0	1.21	.40	6.0
9-12	A. W. Hall	7.0	.98	.54	7.0
9-22	A. E. Johnston	8.2	1.14	.65	9.4
9-28	do	5.4	1.13	.44	6.1
1932					
10-21	A. E. Johnston	5.2	0.87	0.42	5.0
11-10	do	6.0	.90	.45	5.5
4-21	do	1.6	.94	.30	1.5
5-12	F. F. LeFever	9.0	1.45	.75	13.1
5-23	A. E. Johnston	6.8	1.36	.60	9.3
5-26	do	6.9	1.16	.62	8.0
5-31	F. F. LeFever	8.0	1.60	.72	12.8
6-8	do	1.6	1.25	.15	2.0
6-22	do	7.0	1.00	.60	7.0
6-30	do	1.7	.82	.26	1.4
7-7	do	10.9	.75	1.04	8.2
7-18	do	12.4	1.25	1.21	15.2
7-27	do	2.4	1.00	.36	2.4
8-5	do	.....	.....	1.25	20.7
8-22	do	9.0	1.10	.84	10.0
9-14	do	9.0	1.11	.92	10.2

BELMONT CANAL—D-828

Diverted from North Platte River—Sec. 18-20-51 W.
Measurements Made at Rating Flume

1929					
5-6	A. W. Hall	21.1	1.10	0.35	23.5
6-11	do	37.0	2.00	1.00	73.9
6-27	do	53.0	1.79	1.52	94.9
7-1	do	83.0	2.14	2.15	177.3
7-16	do	84.6	2.10	2.16	177.6
8-1	do	66.1	2.03	1.50	134.7
8-10	do	69.8	1.96	1.70	137.5
8-30	do	75.0	1.88	1.65	141.0
9-12	do	33.0	1.51	.50	50.1
1930					
5-28	A. W. Hall	16.0	2.28	0.27	38.0
6-5	do	16.0	2.89	.35	45.0
6-24	do	51.0	3.98	.80	205.0
8-18	do	58.7	1.19	.41	70.1
8-25	do	28.3	2.70	.45	76.4
9-23	do	33.0	3.02	.53	100.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BELMONT CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
10-6	A. W. Hall	23.0	2.88	0.40	66.2
5-21	do	38.0	2.13	.65	81.0
6-9	do	62.0	2.49	1.10	154.0
6-17	do	68.0	2.44	1.20	165.4
7-7	do	60.0	2.37	1.05	141.0
7-23	do	73.0	2.70	1.25	197.0
8-24	A. E. Johnston	13.2	2.00	.25	26.4
9-4	A. W. Hall	47.0	3.10	.70	144.0
9-9	F. F. LeFever	72.0	1.72	.78	124.0
1932					
10-3	A. W. Hall	14.0	1.38	0.30	19.3
5-10	F. F. LeFever	13.0	2.42	.27	31.6
5-26	do	35.0	2.28	.62	80.0
6-7	do	52.0	2.23	1.00	116.0
6-10	do	70.0	2.40	1.33	168.0
6-11	A. W. Hall	68.7	2.28	1.25	156.1
6-21	Follansbee and LeFever	55.0	2.32	1.02	128.0
6-29	F. F. LeFever	57.0	2.26	1.04	129.0
7-9	do	65.0	2.29	1.20	148.8
7-20	do	53.0	2.44	.98	129.4
7-28	do	61.0	2.42	1.13	147.6
8-5	do	46.0	2.53	.83	116.5
8-9	do	.....	.....	1.15	151.3
8-19	do	.....	.....	.28	30.6
9-3	do	49.0	2.33	.90	114.2
9-12	do	49.0	2.25	.90	110.8
9-27	do	47.0	2.00	.88	94.2

BELMONT FEEDER—A-1397
Diverted from Cedar Creek—Sec. 23-18-48 W.

1929					
5-24	A. E. Johnston	13.2	0.79	.....	10.5
6-17	do	10.0	.86	.....	8.6
7-22	do	10.6	.60	.....	6.4
1930					
10-7	A. E. Johnston	13.0	0.96	.....	13.0
4-15	do	.....	.....	.....	.0
5-12	do	8.0	2.33	.....	18.6
6-2	do	8.6	1.55	.....	13.4
7-15	do	9.2	.54	.....	5.0
7-24	do	10.2	.76	.....	7.8
7-31	do	8.3	.89	.....	7.4
8-29	do	11.7	1.08	.....	12.6
9-26	do	8.9	1.56	.....	14.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BELMONT FEEDER—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
11-6	A. E. Johnston	7.4	1.85	.....	13.7
5-18	do	11.0	.94	.....	10.0
5-30	do	8.0	1.02	.....	8.0
6-13	do	10.0	.57	.....	6.0
6-22	A. W. Hall	10.0	.64	2.02	6.2
7-10	A. E. Johnston	6.4	1.53	2.50	10.0
7-20	do	6.0	1.38	2.30	8.3
8-10	do	14.0	.96	2.30	13.4
8-21	do	9.0	1.27	2.05	11.0
9-6	do	10.0	1.07	2.28	11.0
9-21	do	7.4	1.04	2.25	8.0
1932					
4-21	A. E. Johnston	5.8	1.88	1.15	10.9
5-12	F. F. LeFever	9.0	.....	.....	5.1
5-23	A. E. Johnston	8-6	.70	1.50	6.0
5-31	F. F. LeFever	.....	.....	.....	.0
6-6	A. E. Johnston	.....	.....	.....	.0
6-8	F. F. LeFever	7.0	.....	2.02	6.0
6-20	do	6.0	.....	2.07	8.0
7-8	do	5.0	1.14	1.93	5.7
7-18	do	6.0	1.00	2.21	6.0
9-26	do	7.0	1.71	2.27	11.9

BENDIX CANAL—A-189, A-1669

Diverted from Sand Creek—Sec. 35-33-53 W.
Measurements Made at Headgate

1932					
5-2	A. E. Johnston	0.6	1.07	.....	0.7

BENNETT RESERVOIR CANAL—A-691, A-1975

Diverted from Lodgepole Creek and Bennett Reservoir, A-657 and A-1974,—Sec. 22-15-55 W.
Measurements Made at Headgate

1929					
1-15	C. E. Franklin	.....	.....	.....	0.5
5-8	do	.....	.....	.....	.0
5-13	do	.....	.....	.....	.0
6-25	do	2.9	1.10	.....	3.2
7-9	do	.....	.....	1.23	3.9
9-17	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BENNETT CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
3-14	C. E. Franklin	——	——	——	0.0
4-24	do	——	——	——	.0
5-9	do	——	——	——	.0
5-23	do	——	——	——	.0
6-11	do	——	——	——	.0
6-28	do	——	——	——	.0
7-18	do	4.5	0.47	——	2.1
8-7	do	3.0	.53	1.10	1.6
8-22	do	4.5	.67	1.50	3.0
9-5	do	5.1	.33	1.70	1.7
9-19	do	——	——	1.65	.0
1931					
5-2	C. E. Franklin	——	——	——	0.0
5-21	do	——	——	——	.0
6-15	do	3.3	0.73	1.10	2.4
7-23	do	4.1	.37	.96	2.0
9-2	do	3.3	1.48	1.05	1.0
9-24	do	3.2	.58	1.12	2.0
1932					
6-3	A. W. Hall	——	——	——	0.0
7-6	do	4.4	0.95	1.60	4.2
7-26	Hall and Hanna	2.8	1.00	1.02	2.8
8-19	A. W. Hall	2.1	1.09	——	2.3
9-10	do	2.4	.71	.88	1.7

BENNETT CANAL—A-1249

Diverted from Niobrara River—Sec. 1-28-54 W.
Measurements Made at Headgate

1931					
5-20	A. E. Johnston	——	——	——	0.0
7-23	Johnston and Rasmussen	——	——	——	.0
1932					
6-23	A. E. Johnston	——	——	——	0.0
8-3	Johnston and Rasmussen	——	——	——	.0
8-24	A. E. Johnston	——	——	——	.0
9-21	do	——	——	——	.0

BICKEL CANAL—A-719

Diverted from Lodegole Creek—Sec. 30-15-55 W.
Measurements Made at Rating Flume

1929					
5-7	C. E. Franklin	——	——	——	0.0
5-23	do	——	——	——	.0
6-25	do	——	——	——	.0
7-9	do	——	——	——	.0
8-6	Hall and Hanna	3.80	0.72	0.95	2.7
9-17	do	——	——	——	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BICKEL CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
3-14	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6-10	do	.....	.....	.....	.0
6-27	do	.....	.....	.....	.1
7-18	do	2.0	0.33	0.60	.6
7-24	Franklin and Hanna	2.1	.29	.61	.6
8-7	C. E. Franklin	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
1931					
5-1	C. E. Franklin	.....	.....	.....	0.0
5-20	do	.....	.....	.....	.0
6-13	do	3.2	0.97	0.82	3.1
7-21	do	3.0	.86	.....	2.2
7-23	do	2.2	.94	.63	2.0
8-16	do	.....	.....	.....	.2
9-1	do	2.0	.33	.55	1.0
9-23	do	2.4	.55	.....	1.3
1932					
7-7	Hall and Hanna	.....	.....	.....	0.0
7-27	A. W. Hall	2.8	0.57	0.72	1.6
8-19	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0

BIGELOW-SEYMOUR CANAL—D-510

Diverted from Niobrara River—Sec. 19-31-57 W.
Measurements Made at Headgate

1929					
6-19	A. E. Johnston	.....	.....	.....	0.0
1930					
10-10	A. E. Johnston	.....	.....	.....	0.0
9-2	do	0.9	0.92	.....	.8
9-30	do	.6	.38	.....	.2
1931					
10-31	A. E. Johnston	0.4	0.50	.....	0.2
5-20	Johnston and Rasmussen	.....	.....	.....	.0
6-17	A. E. Johnston	.....	.....	.....	.0
7-23	do	1.0	.94	.....	1.0
1932					
6-21	A. E. Johnston	.....	.....	.....	0.0
8-3	Johnston and Rasmussen	.....	.....	.....	.0
8-23	A. E. Johnston	.....	.....	.....	.0
9-20	do	0.9	0.87	.....	.8

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BIRDWOOD CANAL—D-646

Diverted from Birdwood Creek—Sec. 35-15-33 W.
Measurements Made at Rating Flume

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
4-25	A. E. Johnston	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-13	do	8.1	0.85	0.80	6.9
6-27	do	12.5	1.39	1.40	17.4
7-18	do	14.3	1.61	1.50	23.3
7-24	do	18.3	1.51	1.95	27.5
7-31	do	.....	.....	.....	.0
8-13	do	16.2	1.65	1.80	26.9
8-28	do	15.4	1.45	1.75	22.3
9-5	do	.....	.....	.....	.0
1930					
10-2	A. E. Johnston	9.0	0.84	1.40	8.0
4-11	do	.....	.....	.....	.0
4-18	do	.....	.....	.....	.0
5-6	do	.....	.....	.....	.0
6-5	do	6.0	.95	.65	5.7
6-19	A. W. Hall	.....	.....	.....	.0
6-30	A. E. Johnston	9.9	1.03	.85	10.2
7-5	do	8.8	1.03	.80	9.1
7-9	do	.....	.....	.50	.0
7-10	do	4.5	.71	.50	3.1
7-11	do	17.6	1.43	1.30	25.1
7-14	do	17.8	1.40	1.30	24.9
7-17	do	16.3	1.37	1.30	23.0
7-18	do	17.8	1.29	1.30	23.0
7-22	do	20.2	1.36	1.40	27.2
7-26	do	17.1	1.32	1.30	22.5
7-28	do	10.1	.92	.75	9.3
8-1	do	17.6	1.19	1.20	20.2
8-4	do	.....	.....	.....	.0
8-5	do	25.5	1.90	1.75	48.4
8-6	do	27.0	1.79	1.90	48.4
8-7	do	25.5	1.85	1.82	47.1
8-9	do	10.8	1.16	.80	12.5
8-12	do	8.4	1.05	.70	8.8
8-26	do	7.8	1.06	.65	8.2
9-22	do	15.0	1.15	1.00	17.2
1931					
10-3	A. E. Johnston	4.5	0.93	0.30	4.2
10-27	do	6.0	1.00	.50	6.0
5-14	do	15.0	1.19	1.00	18.0
6-2	do	23.7	.84	1.60	20.0
6-9	do	7.0	1.26	.50	9.0
6-25	do	15.0	1.19	.98	18.0
7-8	do	.....	.....	.....	.0
7-18	do	20.0	1.55	1.28	30.4
7-29	do	27.0	1.58	1.80	43.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BIRDWOOD CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
8-4	A. E. Johnston	20.0	1.55	1.30	30.3
8-13	do	21.0	1.11	1.18	23.3
8-18	do	26.0	1.52	1.70	39.0
9-3	do	12.0	1.30	.85	16.0
9-18	do	11.0	1.41	.70	15.0
1932					
10-2	A. E. Johnston	14.0	1.08	0.90	15.0
10-9	do	12.0	1.29	.80	15.5
10-24	do	.....	.....	.60	.....
10-31	do	.....	.....	.....	.0
4-11	do	.....	.....	.....	.0
4-18	do	.....	.....	.....	.0
5-12	do	10.1	1.02	.70	10.3
5-19	do	18.0	.88	1.22	15.9
5-26	do	34.2	1.74	2.30	59.5
6-3	do	22.2	1.42	1.48	31.6
6-9	Johnston and Follansbee	24.2	1.24	1.65	30.0
6-27	A. E. Johnston	.....	.....	.....	.0
7-8	do	20.4	1.16	1.38	23.6
7-18	do	.....	.....	.....	.0
8-8	do	16.0	1.15	1.15	18.4
8-29	do	18.4	1.20	1.30	22.0
9-9	do	13.8	1.20	1.00	16.6
9-24	do	9.9	1.24	.85	12.3

BLUE CREEK CANAL—D-785

Diverted from Blue Creek—Sec. 32-17-42 W.
Measurements Made at Rating Flume

1929					
5-23	A. E. Johnston	.....	.....	.....	0.0
6-14	do	19.7	1.91	2.00	37.8
6-25	do	26.1	2.33	2.40	60.9
6-27	A. W. Hall	21.6	2.06	1.90	44.5
6-28	do	21.6	2.08	1.90	44.9
7-19	do	6.2	1.40	.80	8.8
8-8	do	20.4	2.02	2.00	41.3
1930					
10-4	A. E. Johnston	12.0	1.15	1.10	14.0
6-3	do	.....	.....	.....	4.0
6-20	A. W. Hall	22.0	2.39	2.30	54.0
7-5	do	.....	.....	2.40	.0
7-11	do	23.2	2.38	2.40	55.1
7-23	A. E. Johnston	21.2	2.30	2.00	48.8
7-31	A. W. Hall	18.3	2.40	.....	44.0
8-9	do	17.5	2.46	1.80	43.0
8-19	do	9.4	2.08	.95	19.5
8-28	A. E. Johnston	13.9	1.28	1.30	17.7
9-24	do	17.2	1.98	1.60	34.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BLUE CREEK CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-28	A. E. Johnston	.....	.....	.....	0.0
5-15	do	7.8	1.39	0.60	10.8
6-1	do	24.7	2.51	2.30	62.0
6-12	do	.....	.....	.....	.0
6-23	A. W. Hall	13.0	2.21	1.35	28.0
6-26	A. E. Johnston	17.0	2.25	1.55	38.0
7-5	J. V. Ruzicka	4.3	1.35	.50	6.0
7-9	A. E. Johnston	5.0	1.50	.40	7.4
7-12	J. V. Ruzicka	8.3	2.10	1.02	17.4
7-19	A. E. Johnston	9.0	1.96	.70	17.2
7-27	do	14.0	2.16	1.25	30.5
7-28	do	14.0	1.90	1.20	26.2
8-5	do	17.0	2.08	1.45	35.0
8-11	do	21.0	2.16	1.90	44.4
8-20	do	19.0	2.20	1.80	41.3
9-5	do	15.0	2.02	1.42	30.0
9-19	do	15.2	1.94	1.40	29.4
9-30	do	6.0	1.26	.65	7.2
1932					
10-23	A. E. Johnston	6.0	1.10	0.70	7.0
11-2	do	.....	.....	.....	.0
4-9	do	.....	.....	.....	.0
4-19	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
5-21	do	10.8	1.43	.85	15.5
5-24	do	19.6	2.02	1.75	39.6
6-4	do	14.4	1.52	1.20	21.9
6-8	do	14.4	1.41	1.11	20.3
6-25	do	.....	.....	.....	.0
7-6	do	19.8	1.80	1.62	35.7
7-16	do	18.0	1.51	1.40	27.2
7-27	J. V. Ruzicka	20.7	1.89	1.68	39.2
8-6	A. E. Johnston	22.4	1.79	1.75	40.1
8-10	J. V. Ruzicka	22.6	1.77	1.92	41.6
8-16	do	7.8	1.67	.60	13.0
8-26	A. E. Johnston	10.9	1.45	.80	15.8
9-10	do	16.8	1.33	1.35	22.4
9-23	do	20.4	1.42	1.60	29.0

BLUHM CANAL—A-1811

Diverted from Lodgepole Creek—Sec. 36-14-48 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BLUHM CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-16	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
1931					
5-4	C. E. Franklin	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
10-23	A. E. Johnston	.....	.....	0.70	7.0
11-2	do	.....	.....	.....	.0
6-21	A. W. Hall	.....	.....	.....	.0

BOELUS POWER CANAL—A-1400
Diverted from South Loup River—Sec. 35-13-12 W.
Measurements Made at Headgate

1929					
5-14	A. E. Johnston	274.0	2.37	.....	649.0
1931					
5-7	A. E. Johnston	212.0	2.04	.....	430.0

BOOTH CANAL, NORTH—D-309, D-310
Diverted from Lodgepole Creek—Sec. 29-14-47 W.
Measurements Made at Rating Flume

1929					
5-25	C. E. Franklin	.....	.....	.....	0.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
1930					
4-16	C. E. Franklin	.....	.....	.....	0.0
4-30	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BOOTH CANAL, NORTH—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-4	C. E. Franklin	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
7-8	Hall and Gardner	3.5	0.91	0.70	3.2

BOOTH CANAL, SOUTH—D-309, D-310

Diverted from Lodgepole Creek—Sec. 29-14-47 W.
Measurements Made at Rating Flume

1929					
5-25	C. E. Franklin	.....	.....	.....	0.0
6-26	do	3.7	1.06	1.10	3.9
7-10	do	.....	.....	.....	1.7
9-15	do	.....	.....	.....	.0
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-16	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-22	C. E. Franklin	.....	.....	.....	0.0
6-17	do	4.1	2.00	1.00	8.2
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
7-8	A. W. Hall	.....	.....	.....	0.0

BORDWELL CANAL—D-302

Diverted from Lodgepole Creek—Sec. 35-14-49 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BORDWELL CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-3	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-3	C. E. Franklin	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
8-12	A. W. Hall	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0

BORDWELL CANAL—D-303

Diverted from Lodgepole Creek—Sec. 35-14-49 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
6-26	do	0.70	0.24	.....	1.7
7-10	do	.....	.....	.....	.1
9-15	do	.....	.....	.....	.0
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.0
5-14	do	0.6	0.88	.....	.5
6-17	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-3	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BORDWELL CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-3	C. E. Franklin	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
6-9	A. W. Hall	.....	.....	.....	0.0
7-8	Hall and Gardner	.....	.....	.....	.0
8-3	A. W. Hall	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0

BORQUIST CANAL—D-300

Diverted from Lodgepole Creek—Sec. 34-14-49 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
9-3	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-3	C. E. Franklin	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
7-8	Hall and Gardner	.....	.....	.....	0.0
8-3	A. W. Hall	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BORQUIST CANAL—D-301
Diverted from Lodgepole Creek—Sec. 34-14-49 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
6-26	do	3.6	0.55	.....	2.0
7-10	do	2.6	.88	.....	2.3
9-15	do	.....	.....	.....	.0
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-7	do	3.0	0.77	.....	2.3
7-26	do	1.5	.74	.....	1.1
8-8	do	1.8	.77	.....	1.4
9-3	do	.....	.....	.....	.0
1931					
5-3	C. E. Franklin	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
6-16	do	2.0	0.84	.....	1.4
7-25	do	3.0	.79	.....	2.0
8-20	do	3.1	.82	.....	3.0
9-8	do	2.0	.55	.....	1.0
9-25	do	2.0	.....	.....	2.0
1932					
6-9	Willis and Hall	2.2	0.86	.....	1.9
6-10	Gardner and Hall	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0

BROWN CREEK CANAL—D-857, D-1033
Diverted from North Platte River—Sec. 20-20-50 W.
Measurements Made at Rating Flume

1929					
6-10	A. W. Hall	21.6	1.73	2.65	37.4
6-24	do	47.4	1.35	3.60	64.2
7-8	do	56.1	1.54	3.90	86.6
7-15	do	47.4	1.31	3.50	62.1
8-13	do	29.9	1.09	2.65	32.9
9-12	do	.....	.....	.....	.0
1930					
5-28	A. W. Hall	8.4	0.93	1.30	7.8
6-14	do	22.0	1.45	2.00	32.0
7-2	do	59.4	1.33	4.05	79.2
8-20	do	.....	.....	.....	.0
8-23	do	10.7	1.45	1.65	15.5
9-4	do	11.4	1.49	1.70	16.9
9-23	do	28.0	1.45	2.30	40.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BROWN CREEK CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
10-7	A. W. Hall	.....	.....	.....	0.0
5-20	do	22.0	1.69	2.20	37.0
6-8	do	36.8	1.64	2.90	60.0
6-15	do	26.0	1.26	2.15	33.0
6-30	do	44.0	1.46	3.15	64.0
7-11	A. E. Johnston	46.3	1.36	3.18	63.0
7-20	do	53.4	1.45	3.76	78.0
7-27	A. W. Hall	58.0	1.62	4.15	94.0
8-12	Hall and LeFever	25.0	1.78	2.51	44.0
9-1	F. F. LeFever	30.4	1.60	2.79	49.0
1932					
10-1	F. F. LeFever	17.0	1.61	1.04	28.0
4-21	A. E. Johnston	.....	.....	.....	.0
5-12	F. F. LeFever	15.0	.....	.85	25.1
5-20	do	25.0	.....	1.20	34.3
6-1	do	6.0	.....	.....	2.9
6-8	do	47.0	.....	2.38	73.0
6-21	Follansbee and LeFever	9.0	.....	.42	10.0
6-30	F. F. LeFever	53.0	1.56	2.88	83.0
7-8	do	47.0	1.56	2.57	73.6
7-19	do	38.0	1.56	2.01	59.3
7-27	do	21.0	1.30	.90	27.3
8-5	do	43.0	1.57	2.19	67.5
8-20	do	.....	.....	1.04	31.8
9-3	do	.....	.....	1.14	34.6
9-15	do	34.0	1.43	1.63	48.6
9-29	do	22.0	1.70	1.28	37.3

BULLOCK CANAL—D-296

Diverted from Lodgepole Creek—Sec. 3-13-46 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	.....	.....	.....	0.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BULLOCK CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
6-17	do	0.2	0.74	.....	.1
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
4-1	A. E. Johnston	3.5	1.07	.....	3.9

BURKE AND KENT CANAL—A-1694
Diverted from Pawnee Creek—Sec. 18-13-27 W.
Measurements Made at Rating Flume

1929					
6-28	A. E. Johnston	.....	.....	.....	0.0
7-17	do	1.0	1.34	0.35	1.3
8-14	do	1.9	.84	.50	1.6
1930					
4-21	A. E. Johnston	.....	.....	.....	0.0
6-24	do	.....	.....	.....	.0
7-3	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0
7-29	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
1931					
10-7	A. E. Johnston	.....	.....	.....	0.0
10-24	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-1	do	1.5	1.60	0.40	3.0
7-7	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
7-31	do	2.0	2.12	.45	4.0
8-14	do	.....	.....	.....	.0
9-1	do	.....	.....	.....	.0
1932					
10-5	A. E. Johnston	.....	.....	.....	0.0
10-27	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BUSHNELL CANAL, NORTH—A-504
Diverted from Lodgepole Creek—Sec. 2-14-58 W.
Measurements Made at Intake

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-8	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-28	do	.....	.....	.....	.0
7-8	do	2.7	0.74	.....	2.0
9-17	do	.....	.....	.....	.0
1930					
3-15	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-28	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
1931					
5-1	C. E. Franklin	.....	.....	.....	0.0
5-20	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-31	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

BUSHNELL CANAL, SOUTH—A-504
Diverted from Lodgepole Creek—Sec. 2-14-58 W.
Measurements Made at Intake

1929					
5-8	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
1930					
3-15	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-28	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

BUSHNELL CANAL, SOUTH—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-1	C. E. Franklin	.....	.....	.....	0.0
5-20	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-31	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

CALADONIA CANAL—A-1681
Diverted from Caladonia Reservoir—Sec. 13-33-57 W.
Measurements Made at Headgate

1931					
4-11	Johnston and Rasmussen	0.4	1.25	.....	0.5
5-21	do	.....	.....	.....	.0
6-10	C. E. Franklin	.4	1.55	.....	1.0
6-16	Johnston and Rasmussen	1.0	1.78	.....	.9
6-17	do	1.0	1.80	0.60	1.1
6-18	A. E. Johnston	1.0	.67	.....	.4
6-20	do	1.0	1.00	.....	1.0

CASTLE ROCK CANAL—D-921
Diverted from North Platte River—Sec. 4-21-54 W.
Measurements Made at Rating Flume

1929					
5-23	A. W. Hall	.....	.....	.....	0.0
6-1	do	33.0	1.72	2.40	57.0
6-8	do	29.7	1.53	1.85	45.6
6-14	do	24.0	.84	1.74	20.2
6-22	do	41.1	1.54	2.30	63.4
7-5	do	48.0	1.86	2.90	89.2
7-13	do	48.9	1.84	2.56	90.1
7-27	do	56.0	2.09	2.93	118.5
8-24	do	47.7	1.81	2.45	86.4
8-27	do	47.2	1.79	2.40	85.0
9-13	do	34.0	1.36	2.10	46.2
1930					
5-20	A. W. Hall	.....	.....	.....	0.0
6-6	do	17.0	1.09	1.70	18.0
7-2	do	56.6	2.13	2.90	120.7
7-9	do	50.7	1.94	2.62	98.2
9-5	do	43.5	1.46	2.25	63.3
9-25	do	42.5	1.55	2.30	65.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

CASTLE ROCK CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
10-4	A. W. Hall	36.4	1.20	2.55	43.5
5-15	do	40.6	1.80	2.30	72.9
5-27	do	50.4	1.72	2.69	86.7
6-6	do	44.6	2.00	2.40	89.3
6-17	do	46.0	1.83	2.55	84.0
7-8	do	45.0	1.73	2.38	78.0
7-23	do	45.4	1.48	2.32	68.0
8-11	do	47.0	1.57	2.46	73.0
9-4	F. F. LeFever	44.0	.....	2.46	80.0
9-11	A. W. Hall	45.0	1.73	2.36	77.4
1932					
10-2	A. W. Hall	29.0	1.23	1.84	36.0
4-5	A. E. Johnston	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5-10	F. F. LeFever	.....	.....	.....	.0
5-19	do	30.0	1.68	1.97	50.5
5-25	do	33.0	1.62	2.06	53.5
6-6	do	39.0	1.66	2.26	65.0
6-25	do	53.0	1.95	2.80	103.0
7-6	do	51.0	1.87	2.67	95.3
7-14	do	44.0	1.72	2.40	75.9
7-26	do	40.0	1.51	2.32	60.6
8-3	do	42.0	1.91	2.46	80.1
8-18	do	.....	.....	2.43	77.1
9-3	do	.....	.....	2.46	67.4
9-12	do	46.0	1.53	2.54	70.6
9-23	do	39.0	1.49	2.40	58.1

CENTRAL CANAL—D-926
Diverted from North Platte River—Sec. 27-22-55 W.
Measurements Made at Rating Flume

1929					
5-23	A. W. Hall	.....	.....	.....	0.0
6-12	do	.....	.....	.....	.0
7-13	do	22.8	1.21	2.57	27.7
7-20	do	12.2	1.35	2.65	16.5
8-14	do	23.2	1.37	2.85	31.9
8-27	do	25.1	1.59	2.70	40.0
9-13	do	14.0	1.20	1.60	17.0
1930					
10-8	A. W. Hall	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
6-10	do	9.2	1.26	1.13	11.6
6-28	do	.....	.....	.....	.0
7-9	do	21.3	2.00	2.40	42.5
7-26	do	7.0	2.09	0.90	14.6
8-13	do	10.8	0.97	1.28	10.5
9-11	do	21.7	1.85	2.40	39.8

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

CENTRAL CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-3	C. E. Franklin	1.2	0.97	0.15	1.2
5-27	A. W. Hall	15.3	2.01	1.85	30.7
6-5	do	18.4	2.30	2.30	42.2
6-17	do	13.0	2.06	1.72	28.0
7-23	do	15.0	2.46	1.80	37.0
8-7	do	15.0	2.28	1.80	34.0
8-28	A. E. Johnston	12.2	2.25	1.55	28.0
9-8	A. W. Hall	12.2	1.46	1.60	26.0
9-22	F. F. LeFever	15.0	1.50	1.62	22.0
9-29	A. W. Hall	14.0	1.76	1.50	25.0
1932					
4-6	A. E. Johnston	.....	.....	.....	0.0
4-26	do	.....	.....	.....	.0
5-9	F. F. LeFever	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
5-25	do	22.0	1.37	2.25	30.2
6-3	do	19.0	1.63	1.90	31.0
6-17	do	16.0	1.19	1.62	19.0
6-25	do	20.0	2.20	2.03	44.0
7-6	do	18.0	1.81	1.80	32.7
7-14	do	18.0	1.69	1.79	30.5
7-22	do	15.0	1.93	1.53	29.0
8-17	do	14.6	1.90	1.50	37.9
9-3	do	14.8	1.88	1.53	27.9
9-9	do	17.0	1.43	1.70	24.3
9-21	do	18.0	1.55	1.86	28.1

CHAMPION CANAL—D-47, A-1108, A-1160
Diverted from Frenchman River—Sec. 23-6-40 W.
Measurements Made at Rating Flume

1929					
1-18	C. E. Franklin	.....	.....	.....	1.0
2-17	do	.....	.....	.....	.0
3-7	do	.....	.....	.....	.0
3-21	do	9.3	2.74	1.00	25.5
5-11	do	5.6	1.55	.....	8.6
5-29	do	11.2	1.30	1.15	14.6
6-12	do	16.7	.53	1.80	8.9
6-27	do	12.0	1.20	1.23	14.4
7-11	do	9.5	1.47	1.05	14.2
8-2	do	6.6	.98	.70	6.5
8-20	do	7.9	.73	.80	5.8
8-26	do	7.1	1.26	.80	9.0
8-30	do	.....	.....	.25	* .5
8-30	do	5.6	.91	.67	†5.1

*10:00 A. M. †3:30 P. M.

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

CHAMPION CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1930					
11-16	C. E. Franklin	10.0	1.80	1.08	18.0
11-28	do	9.0	1.65	.95	15.0
12-16	do	——	.....	——	.0
1-2	do	——	.....	——	.0
2-3	do	.....	——	.....	.0
2-22	do	7.4	2.76	.82	19.3
3-9	do	7.4	3.03	——	22.4
3-21	do	——	.....	——	.0
4-19	do	1.9	.56	.....	11.0
5-3	do	6.5	1.25	.70	8.1
5-16	do	6.5	1.34	.72	8.7
5-31	do	12.1	.30	1.30	3.6
6-20	do	11.0	2.29	1.30	25.2
7-11	do	9.4	1.18	1.05	11.0
7-31	do	11.2	1.21	1.25	13.5
8-9	do	5.7	.46	.75	2.6
8-29	do	11.2	1.31	——	14.6
9-11	do	11.2	1.45	——	16.2
9-21	do	9.3	1.10	——	10.2
1931					
10-13	C. E. Franklin	5.6	1.29	——	7.2
11-12	do	7.4	1.80	0.90	13.3
1-22	A. E. Johnston	3.9	1.53	.52	6.0
4-11	C. E. Franklin	6.5	3.09	.80	20.0
4-17	do	8.4	2.81	.90	23.6
5-6	do	7.4	2.68	.80	19.8
5-26	do	9.3	2.06	1.05	19.2
6-19	do	.....	——	.....	.0
7-9	do	7.0	1.68	.85	12.0
7-27	do	——	.....	——	.0
7-31	do	——	.....	——	.0
8-23	do	8.4	1.36	.95	11.4
9-10	do	11.0	1.13	1.15	12.3
1932					
10-5	C. E. Franklin	7.0	0.67	0.80	4.4
5-7	A. E. Johnston	3.7	1.45	.45	5.4
5-19	A. W. Hall	8.3	1.35	.90	11.2
5-24	do	9.0	1.02	1.05	9.2
6-17	do	——	.....	——	.0
7-9	do	7.7	1.69	.80	13.0
7-10	do	7.9	1.60	.80	12.6
8-5	do	7.2	2.16	1.11	15.5
8-11	do	11.6	1.93	1.20	22.5
9-13	do	15.3	.55	1.70	8.5

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

CHIMNEY ROCK CANAL—D-844, D-1031

Diverted from North Platte River—Sec. 1-20-53 W.
Measurements Made at Rating Flume

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-24	A. W. Hall	.....	.....	.....	0.0
6-8	do	9.2	0.91	0.60	8.4
6-14	do	25.1	1.61	1.40	40.4
6-22	do	43.9	1.62	2.10	71.4
7-16	do	33.8	1.82	1.60	61.6
7-27	do	32.1	1.32	1.60	42.5
8-30	do	32.8	1.46	1.50	48.0
9-16	do	15.0	1.10	.90	16.2
1930					
5-20	A. W. Hall	.....	.....	.....	0.0
5-31	do	.....	.....	.....	.0
6-6	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
6-21	do	37.7	1.44	1.95	54.3
7-9	do	44.2	1.55	2.20	68.7
8-25	do	10.7	1.12	.70	11.9
9-5	do	11.3	1.11	.65	12.5
1931					
10-6	A. W. Hall	1.6	0.75	.....	1.2
6-6	do	31.8	1.43	1.79	45.3
6-17	do	40.0	1.48	2.10	58.0
7-8	do	26.0	1.15	1.45	30.0
7-23	do	41.0	1.48	2.02	60.0
8-12	Hall and LeFever	26.0	1.29	1.47	34.0
8-24	A. E. Johnston	32.4	1.38	1.60	45.0
9-11	F. F. LeFever	32.0	1.19	1.65	38.0
1932					
4-5	A. E. Johnston	.....	.....	.....	0.0
4-22	do	.....	.....	.....	.0
5-10	F. F. LeFever	.....	.....	.....	.0
5-19	do	11.0	.....	0.75	10.3
5-26	do	19.0	.....	.65	17.0
6-6	do	38.0	.....	1.44	56.0
6-21	Follansbee and LeFever	47.0	.....	1.77	74.0
6-29	F. F. LeFever	56.0	.....	2.15	97.0
7-9	do	53.0	1.77	2.12	94.1
7-11	do	50.0	1.66	1.90	83.2
7-11	do	48.0	1.62	1.90	77.7
7-16	do	19.0	3.39	1.15	64.4
7-26	do	18.0	3.88	1.14	69.8
8-5	do	13.0	4.00	.92	52.0
8-19	do	.....	.....	1.00	56.9
9-1	do	11.0	4.30	.74	47.3
9-12	do	14.0	4.18	1.03	58.5
9-27	do	8.0	4.60	.60	36.8

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

CHRISTENSEN CANAL, NORTH—D-367
Diverted from Lodgepole Creek—Sec. 7-14-51 W.
Measurements Made at Headgate

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
5-9	C. E. Franklin	5.0	0.81	.....	4.0
5-24	do	.6	.....	.....	1.8
6-26	do	.....	.....	.....	.2
7-9	do	.....	.....	.....	.1
9-14	do	.....	.....	.....	.0
1931					
5-21	C. E. Franklin	.....	.....	.....	0.0
6-15	do	.....	.....	.....	.0
7-24	do	1.4	0.12	.....	.2
9-5	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

CHRISTENSEN CANAL, SOUTH—D-367
Diverted from Lodgepole Creek—Sec. 7-14-51 W.
Measurements Made at Headgate

1929					
5-24	C. E. Franklin	1.0	0.80	.....	0.8
6-26	do	.....	.....	.....	.1
7-9	do	.....	.....	.....	.1
9-14	do	.....	.....	.....	.0
1931					
5-3	C. E. Franklin	3.0	0.67	.....	2.0
7-24	do	3.4	1.35	.....	.5
9-5	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

CIRCLE ARROW CANAL—D-346
Diverted from Lodgepole Creek—Sec. 30-15-54 W.
Measurements Made at Headgate

1930					
3-14	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
1931					
5-2	C. E. Franklin	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-15	do	2.3	0.71	.....	2.0
9-2	do	.....	.....	.....	.0
1932					
6-3	A. W. Hall	3.4	1.30	1.42	4.4
7-26	Hall and Hanna	4.0	.55	1.76	2.2
9-10	A. W. Hall	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

CLEAR CREEK CANAL—D-748
Diverted from Clear Creek—Sec. 32-16-41 W.
Measurements Made at Intake

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-22	A. E. Johnston	.....	.....	.....	0.0
6-14	do	1.2	1.00	1.50	1.2
6-26	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0
1930					
5-9	A. E. Johnston	.....	.....	.....	0.0
6-4	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
8-4	A. W. Hall	1.2	3.85	.....	4.6
8-9	do	1.6	3.08	.40	4.9
8-27	A. E. Johnston	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
1931					
10-8	A. E. Johnston	5.7	1.37	.....	7.8
5-15	do	.....	.....	.....	.0
6-1	do	.9	.44	.....	.4
6-11	do	.....	.....	.....	.0
6-22	A. W. Hall	1.0	.64	.....	1.0
6-26	A. E. Johnston	1.0	1.27	.40	2.0
7-9	do	2.0	1.26	.50	2.1
7-19	do	2.0	.82	.62	2.0
7-28	do	3.0	2.04	.73	5.4
8-5	do	2.3	.92	.73	2.0
8-12	do	2.0	1.33	.55	2.0
8-17	J. V. Ruzicka	3.0	1.26	.67	3.1
8-19	A. E. Johnston	2.3	1.62	.70	4.0
9-4	do	3.0	1.30	.85	4.0
9-19	do	1.0	.53	.20	.4
1932					
10-1	A. E. Johnston	2.0	0.69	0.40	1.0
10-10	do	1.0	.50	.35	1.0
10-23	do	.....	.....	.....	.0
11-2	do	.....	.....	.....	.0
4-9	do	.....	.....	.....	.0
4-19	do	.....	.....	.....	.0
5-11	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6-4	do	.....	.....	.....	.0
6-8	do	1.3	.....	.20	1.2
6-25	do	.....	.....	.....	.0
7-7	do	1.3	.77	.11	1.0
7-16	do	2.5	1.16	.25	2.9
7-26	J. V. Ruzicka	2.0	2.24	.34	3.5
8-6	A. E. Johnston	5.5	.78	.78	4.3
8-27	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

CODY-DILLON CANAL—D-649
Diverted from North Platte River—Sec. 9-14-31 W.
Measurements Made at Rating Flume

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
4-25	A. E. Johnston	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-13	do	9.4	2.03	1.00	19.1
6-27	do	10.2	2.24	1.15	22.8
7-18	do	9.9	2.31	1.10	22.9
7-24	do	.....	.....	.....	2.0
7-31	do	13.0	2.28	1.50	29.6
8-13	do	11.8	2.32	1.30	27.4
8-28	do	5.7	1.30	.60	7.4
9-5	do	6.7	1.30	.70	9.0
1930					
10-2	A. E. Johnston	.....	.....	.....	0.0
4-18	do	.....	.....	.....	.0
5-8	do	6.5	0.69	0.70	4.5
6-6	do	.....	.....	.....	.0
6-30	do	.....	.....	.....	.0
7-5	do	.....	.....	.....	.0
7-10	do	6.6	1.40	.90	9.2
7-12	do	7.3	1.45	1.00	10.5
7-13	do	10.0	1.88	1.20	18.8
7-14	do	10.3	1.79	1.25	18.5
7-17	do	11.7	1.95	1.35	22.7
7-18	do	12.3	2.00	1.45	24.5
7-22	do	11.0	1.87	1.20	20.5
7-28	do	11.6	1.95	1.20	22.6
8-5	do	12.6	2.04	1.35	25.7
8-6	do	12.7	1.69	1.35	21.5
8-9	do	11.5	1.96	1.15	22.5
8-26	do	9.2	1.77	.90	16.3
9-22	do	9.2	1.87	1.05	17.2
1931					
10-27	A. E. Johnston	.....	.....	.....	0.0
11-12	do	.....	.....	.....	.0
5-14	do	3.0	0.25	0.20	.7
6-2	do	5.0	1.22	.50	6.2
6-9	do	8.0	1.99	1.10	16.0
6-25	do	10.0	1.91	1.00	18.0
7-8	do	10.0	2.11	.90	20.3
7-18	do	10.0	2.08	1.00	20.4
7-29	do	8.0	1.78	.75	14.1
8-13	do	15.0	2.20	1.60	33.4
8-18	do	11.0	1.94	1.15	21.0
9-3	do	11.0	1.85	1.25	21.0
9-17	do	14.0	2.08	1.42	29.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

CODY-DILLON CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-2	A. E. Johnston	12.0	2.02	1.30	24.3
10-9	do	13.0	2.20	1.40	29.5
10-26	do	7.0	1.28	.60	9.1
10-30	do	.....	.....	.....	.0
4-12	do	.....	.....	.....	.0
4-18	do	.....	.....	.....	.0
5-12	do	.....	.....	.....	.0
5-19	do	.....	.....	.....	.0
5-26	do	17.6	2.40	1.85	42.3
6-2	do	17.6	2.23	1.80	39.1
6-9	do	11.1	1.92	1.20	21.3
6-28	do	6.6	1.35	.52	8.9
7-9	do	13.9	2.26	1.46	31.5
7-19	do	15.0	2.12	1.48	31.9
8-9	do	6.2	2.62	.90	16.6
8-30	do	3.5	.92	.14	3.2
9-9	do	10.3	1.85	1.15	19.1
9-26	do	12.0	1.96	1.30	23.5

COFFEE CANAL—A-1362
Diverted from Niobrara River—Sec. 15-29-56 W.
Measurements Made at Headgate

1929					
6-20	A. E. Johnston	1.9	1.26	.....	2.4
1930					
10-10	A. E. Johnston	.....	.....	.....	0.0
9-3	do	.....	.....	.....	.0
9-30	do	1.3	0.62	.....	.8
1931					
11-1	A. E. Johnston	.....	.....	.....	0.0

COFFEE CANAL, EAST SIDE—D-512
Diverted from Hat Creek—Sec. 26-33-55 W.
Measurements Made at Headgate

1931					
4-9	A. E. Johnston	1.9	1.47	.....	2.8
5-21	Johnston and Rasmussen	2.0	1.34	.....	3.0
6-16	A. E. Johnston	2.0	2.06	.....	4.0
7-22	Johnston and Rasmussen	.....	.....	.....	.0
1932					
5-3	A. E. Johnston	2.6	1.19	.....	3.1
6-22	do	.....	.....	.....	.0
8-2	do	.9	.78	.....	.7

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

COFFEE CANAL, WEST SIDE—D-512
Diverted from Hat Creek—Sec. 26-33-55 W.
Measurements Made at Headgate

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
4-9	A. E. Johnston	0.4	0.75	.....	0.3
5-21	Johnston and Rasmussen	2.0	.92	.....	2.0
6-16	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
1932					
5-3	A. E. Johnston	1.9	1.05	.....	2.0
6-22	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0

COLD WATER CANAL—D-796
Diverted from Cold Water Creek—Sec. 26-18-46 W.
Measurements Made at Headgate

1929					
1-3	A. E. Johnston	2.1	1.76	.....	3.7
1-19	do	2.2	1.60	.....	3.5
2-14	do	1.4	1.35	.....	1.9
3-8	do	2.5	1.40	.....	3.5
3-29	do	1.7	1.41	.....	2.4
4-1	do	1.8	1.28	.....	1.8
4-27	do	2.3	1.30	.....	3.0
5-24	do	1.6	1.44	.....	2.3
6-15	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
1930					
10-5	A. E. Johnston	.....	.....	.....	0.0
4-15	do	1.9	1.43	.....	2.7
6-2	do	.9	.81	.....	.8
7-24	do	2.3	2.05	.....	4.7
8-29	do	2.0	1.52	.....	3.0
9-26	do	1.0	1.63	.....	1.6
1931					
10-8	A. E. Johnston	5.7	1.37	.....	7.8
2-14	do	3.0	1.83	.....	5.5
5-16	do	1.6	1.52	.....	2.4
5-30	do	3.0	1.78	.....	5.3
6-12	do	3.0	1.43	0.12	5.0
6-23	A. W. Hall	1.0	1.22	.....	2.0
6-27	A. E. Johnston	4.0	1.29	.22	5.0
7-10	do	3.1	1.87	.13	6.0
7-20	do	3.2	1.36	.60	4.3
8-10	do	3.4	1.88	1.05	6.4
8-21	do	6.0	0.33	1.00	2.0
9-6	do	6.0	.64	.80	4.0
9-21	do	6.0	.58	.85	4.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

COLD WATER CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-22	A. E. Johnston	4.0	1.07	0.10	4.1
11-3	do	3.0	1.28	.05	3.7
12-2	do	5.5	1.27	.....	6.1
12-16	do	6.0	1.33	.....	8.3
2-24	do	2.0	1.65	.40	3.8
3-21	do	4.9	1.44	.....	7.1
4-8	do	1.9	1.31	.....	2.5
4-20	do	1.9	1.42	.....	2.7
5-10	do	1.8	1.40	.50	2.5
5-21	do	2.2	1.81	.70	4.0
6-6	do	2.9	1.17	.75	3.4
6-24	do	3.0	1.40	.78	4.2
7-5	do	2.8	1.53	.70	4.3
8-5	do	2.6	1.42	.52	3.7
8-14	J. V. Ruzicka	2.3	1.58	.59	3.7
8-25	A. E. Johnston	3.0	1.26	.....	3.8
9-12	do	2.6	1.65	.55	4.3
9-22	do	3.2	1.62	.53	5.2

COOK CANAL NO. 1—D-980

Diverted from Niobrara River—Sec. 2-28-56 W.
Measurements Made at Intake

1929					
6-19	A. E. Johnston	3.5	1.03	.....	3.6
1930					
10-9	A. E. Johnston	3.0	0.54	.....	2.0
9-2	do	4.5	1.19	.....	5.3
1931					
10-1	A. E. Johnston	6.0	0.84	.....	5.0
5-20	Johnston and Rasmussen	4.9	.95	.....	4.6
6-18	do	4.2	.42	.....	2.0
7-23	do	5.2	.73	0.66	4.0
1932					
6-23	A. E. Johnston	3.3	0.85	.....	2.8
8-3	Johnston and Rasmussen	2.7	1.25	.....	3.4
8-24	A. E. Johnston	1.4	1.00	.....	1.4
9-21	do	2.2	.45	.....	1.0

COOPER CANAL—D-872

Diverted from Lower Dougout Creek—Sec. 4-19-48 W.
Measurements Made at Headgate

1930					
8-29	A. E. Johnston	0.7	0.83	0.60	0.6
9-26	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

COOPER CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
5-30	A. E. Johnston	0.7	1.17	.....	0.8
6-13	do	.....	.....	.....	1.1
1932					
11-10	A. E. Johnston	.....	.....	.....	0.0
4-8	do	.....	.....	.....	.0
4-21	do	1.0	0.90	.....	.9
7-5	do	0.8	.88	.....	.7

COOPER CANAL—A-333

Diverted from Squaw Creek—Sec. 36-32-52 W.
Measurements Made at Headgate

1930					
4-15	A. E. Johnston	.....	.....	.....	0.0
6-2	do	0.7	0.64	.....	.5
9-3	do	.2	.20	.....	.4
9-29	do	2.4	.97	.....	2.3
1931					
11-6	A. E. Johnston	.....	.....	.....	0.0
4-13	do	0.7	0.25	.....	.2
5-18	do	.....	.....	.....	.0
5-22	Johnston and Rasmussen	1.0	.64	.....	.4
6-19	A. E. Johnston	1.0	.48	.....	.4
7-22	do	.....	.....	.....	.0
8-10	do	1.2	.79	.....	1.0
1932					
10-19	A. E. Johnston	1.0	0.29	.....	0.1
6-20	do	.2	.50	.....	.4
8-1	do	.2	.20	.....	.1

COOPER CANAL, EAST SIDE—A-42

Diverted from White Clay Creek—Sec. 2-31-52 W.
Measurements Made at Intake

1929					
6-17	A. E. Johnston	0.5	2.60	0.30	1.3
6-20	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
1930					
10-7	A. E. Johnston	.....	.....	.....	0.0
9-3	do	.....	.....	.....	.0
9-29	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

COOPER CANAL, EAST SIDE—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
4-13	A. E. Johnston	.....	.....	.....	0.0
5-23	Johnston and Rasmussen	.....	.....	.....	.0
6-13	A. E. Johnston	1.0	1.15	.....	1.1
6-19	Johnston and Rasmussen	.2	.60	0.25	.1
9-12	A. E. Johnston	.4	.94	.30	.3
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-4	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

COOPER CANAL, WEST SIDE—A-42
Diverted from White Clay Creek—Sec. 2-31-52 W.
Measurements Made at Intake

1929					
6-20	A. E. Johnston	.....	.....	.....	0.0
9-10	do	.....	.....	.....	.0
1930					
5-12	A. E. Johnston	.....	.....	.....	0.0
9-3	do	6.7	0.36	.....	2.3
9-29	do	.....	.....	.....	.0
1931					
4-13	A. E. Johnston	2.4	1.54	.....	3.7
5-23	Johnston and Rasmussen	3.6	1.89	.....	6.8
6-19	do	2.1	.90	0.65	2.0
9-12	A. E. Johnston	1.0	.93	.60	1.0
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-4	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

COURT HOUSE ROCK CANAL—D-840, D-1028
Diverted from Pumpkinseed Creek—Sec. 30-19-50 W.
Measurements Made at Rating Flume

1929					
6-10	A. W. Hall	.....	.....	.....	0.0
6-25	do	10.5	1.86	1.65	19.6
7-15	do	12.4	1.93	1.80	24.0
9-18	do	14.0	2.10	1.74	29.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

COURT HOUSE ROCK CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1930					
4-22	A. W. Hall	10.0	2.59	1.50	26.0
5-26	do	.....	.....	.....	.0
7-23	do	10.3	2.03	1.53	20.8
8-8	do	10.9	1.42	1.53	15.4
8-23	do	12.2	2.60	1.65	31.7
9-4	do	8.1	1.02	1.05	8.2
1931					
4-28	A. W. Hall	.....	.....	.....	0.0
5-11	do	.....	.....	.....	.0
6-1	do	8.3	2.39	1.25	19.8
6-11	do	11.0	2.67	1.47	29.0
6-16	do	11.0	2.00	1.50	22.0
6-24	J. V. Ruzicka	13.0	1.29	1.85	16.3
7-3	A. W. Hall	11.0	1.84	1.50	20.0
7-14	do	8.4	1.75	1.28	15.0
7-16	do	8.3	1.81	1.23	15.0
8-25	A. E. Johnston	10.0	1.37	1.40	14.0
9-5	A. W. Hall	10.0	1.25	1.50	12.0
9-17	do	10.0	.99	1.55	10.0
1932					
11-10	A. E. Johnston	.....	.....	.....	0.0
4-8	do	.....	.....	.....	.0
4-21	do	.....	.....	.....	.0
5-16	Hall and LeFever	12.0	2.08	1.28	25.1
6-1	F. F. LeFever	11.0	2.06	1.13	22.6
6-22	do	10.0	1.10	1.04	11.0
7-7	do	8.0	1.39	.86	11.1
7-25	do	9.0	1.30	.96	11.7
8-1	do	11.0	1.09	1.16	11.1
8-2	do	11.0	1.07	1.20	11.8
8-13	do	16.0	1.00	1.57	15.6
9-6	do	10.0	1.20	1.05	12.0
9-15	do	10.0	1.09	1.04	10.9

COZAD CANAL—D-626, A-2050, A-2056
Diverted from Platte River—Sec. 15-11-25 W.
Measurements Made at Rating Flume

1929					
4-23	A. E. Johnston	.....	.....	.....	0.0
5-17	do	.....	.....	.....	.0
6-11	do	53.8	1.73	1.70	93.0
6-29	do	49.2	.89	1.40	44.0
7-16	do	92.4	1.08	2.40	100.0
7-25	do	167.0	1.63	4.50	271.0
7-29	do	152.0	1.57	4.05	239.0
7-30	do	145.0	1.57	3.90	228.0
8-2	do	179.0	1.65	4.55	293.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

COZAD CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
8-5	A. E. Johnston	151.0	1.49	4.05	225.0
8-10	do	146.0	1.42	3.85	208.0
8-12	do	149.0	1.55	4.00	232.0
8-14	do	109.0	1.47	3.10	161.0
8-19	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
8-23	do	128.0	1.47	3.40	189.0
8-27	do	95.0	1.43	2.50	136.0
8-30	do	92.0	1.34	2.30	124.0
1930					
10-1	A. E. Johnston	59.0	0.73	1.30	43.0
10-29	do	.....	.....	.....	.0
4-21	do	.....	.....	.....	.0
5-6	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6-7	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
6-26	do	28.8	.97	1.00	27.9
7-1	do	86.5	1.12	2.30	96.9
7-3	do	11.1	.91	.30	10.1
7-7	do	86.6	.98	2.30	85.0
7-8	do	93.0	.96	2.30	89.5
7-9	do	67.9	.82	1.80	55.4
7-15	do	33.0	1.03	.84	34.0
7-16	do	59.3	.98	1.25	57.8
7-19	do	15.6	.96	.30	15.0
7-21	do	98.9	1.17	2.53	115.1
7-25	do	124.9	1.37	3.34	170.5
7-29	do	122.5	1.22	3.10	149.6
7-31	do	123.2	1.15	3.20	142.7
8-13	do	156.0	1.28	4.20	199.0
9-19	do	44.0	.57	1.00	24.9
1931					
10-7	A. E. Johnston	.....	.....	0.25	4.0
10-21	do	.....	.....	.....	.0
10-24	do	.....	.....	.....	.0
11-12	do	.....	.....	.....	.0
6-4	Johnston and Wyant	70.0	1.21	1.65	85.0
6-8	A. E. Johnston	84.0	.98	2.12	83.0
6-24	do	91.0	.90	2.02	82.0
7-1	do	.....	.....	.....	0.0
7-7	do	140.0	1.21	3.52	170.0
7-13	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

COZAD CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
8-3	A. E. Johnston	----	----	----	.0
8-14	do	----	----	----	.0
8-15	do	----	----	----	.0
8-17	do	----	----	----	.0
9-1	do	----	----	----	.0
9-16	do	----	----	----	.0
1932					
10-5	A. E. Johnston	112.0	0.77	2.90	87.0
10-7	do	140.0	1.04	3.32	146.0
10-27	do	62.0	.39	1.40	24.4
10-29	do	----	----	----	.0
4-13	do	----	----	----	.0
4-15	do	----	----	----	.0
5-14	do	60.0	1.15	1.35	69.1
5-17	do	72.5	1.25	2.00	91.1
5-28	do	124.0	1.31	3.25	163.1
6-1	do	----	----	----	.0
6-10	do	66.9	.97	1.54	64.5
6-29	do	76.3	.91	1.60	69.6
7-11	do	136.0	1.41	3.62	193.5
7-20	do	----	----	----	.0
7-21	do	138.0	1.08	3.12	148.8
7-23	do	143.0	1.29	3.76	185.2
8-10	do	106.0	1.11	2.36	118.1
8-13	do	94.0	1.30	2.32	122.2
8-31	do	76.7	1.41	2.15	108.7
9-7	do	83.0	1.11	2.01	92.3
9-27	do	97.5	1.14	2.52	111.0
9-30	do	96.9	1.08	2.50	104.7

COZAD CANAL—D-626, A-2050, A-2056
Diverted from Platte River—Sec. 15-11-25 W.
Measurements Made at Tail Race
Into Dawson County Canal

1929					
8-2	A. E. Johnston	15.2	3.11	----	47.4
8-3	do	15.2	2.82	----	42.9
8-4	do	15.2	3.20	----	48.0
8-5	do	12.2	2.36	----	28.8
8-6	do	11.0	2.40	----	26.4
8-10	do	12.0	3.29	2.40	39.5
8-11	do	12.0	3.29	2.50	39.5
8-15	do	----	----	1.50	----
8-21	do	13.0	2.56	2.60	33.4
8-22	do	13.0	3.04	2.60	39.6
8-24	do	12.0	2.84	2.40	34.0
8-26	do	8.0	1.85	1.60	15.0
8-31	do	10.0	2.54	2.00	25.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

COZAD CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
7-2	A. E. Johnston	12.5	0.41	2.50	5.1
7-7	do	14.0	4.87	2.80	68.4
7-8	do	14.5	4.68	2.90	68.1
7-19	do	.....	.....	.....	.5
7-21	do	.....	.....	.....	1.0
7-30	do	1.5	1.31	.30	1.9
8-13	do	.....	.....	.....	.5
8-21	do	.....	.....	.....	.0
9-18	do	7.0	3.15	1.40	22.0

CRESCENT LAKE OUTFLOW—A-1575

Diverted from Crescent Lake—Sec. 21-20-44 W.
Measurements Made at Headgate

1931					
7-21	A. W. Hall	14.3	1.79	1.00	26.0
7-28	A. E. Johnston	19.1	1.60	1.03	31.0
8-3	J. V. Ruzicka	13.0	1.23	.83	16.0
8-20	A. E. Johnston	6.2	1.23	.52	8.0
8-30	do	2.0	1.17	.30	2.0
9-5	do	4.0	1.98	.46	7.3
9-20	do	4.0	1.27	.38	5.0
9-30	do	1.4	.55	.19	1.0
1932					
7-15	A. E. Johnston	6.4	1.53	0.90	9.8
7-25	do	3.6	1.03	.68	3.7
8-15	do	.....	.....	.....	.0

CREWS CANAL—A-1709

Diverted from Republican River—Sec. 20-1-41 W.
Measurements Made at Headgate

1930					
5-8	C. E. Franklin	.....	.....	.....	0.0
6-24	do	6.4	0.70	.....	4.5
7-16	do	4.4	.99	.....	4.3
8-1	do	4.8	1.38	.....	6.6
8-14	do	.....	.....	.....	.0
8-30	do	2.4	.93	.....	2.2
1931					
7-30	C. E. Franklin	1.3	.78	.....	1.0

CRIGLER CANAL—D-861

Diverted from Lawrence Fork—Sec. 1-18-52 W.
Measurements Made at Headgate

1931					
7-16	A. W. Hall	1.0	0.75	.....	1.0
9-17	do	2.0	1.08	.....	2.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

CULBERTSON CANAL—D-24, D-25, D-29, D-30
Diverted from Frenchman River—Sec. 31-5-33 W.
Measurements Made at Rating Flume

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
5-12	C. E. Franklin	.....	.....	.....	0.0
5-30	do	32.0	1.26	2.01	40.3
6-12	do	19.4	.87	1.50	16.8
6-28	do	58.2	1.86	3.72	108.4
7-12	do	53.5	1.63	3.32	93.0
8-1	do	52.8	1.89	3.28	100.0
8-19	do	55.0	1.72	3.45	95.0
8-26	do	51.0	1.79	3.20	92.0
9-25	do	47.0	1.70	2.95	80.0
1930					
3-10	C. E. Franklin	.....	.....	.....	0.0
4-20	do	.....	.....	.....	.0
5-5	do	22.4	0.92	1.50	20.5
5-18	do	23.2	1.07	1.55	24.9
6-1	do	24.0	1.10	1.60	26.0
6-23	do	47.4	1.89	3.20	89.3
7-31	do	19.2	.70	1.22	13.3
8-10	do	48.0	1.59	3.11	76.2
8-11	do	48.8	1.65	3.05	80.3
8-29	do	52.8	1.53	3.30	80.7
9-8	do	45.6	1.50	2.85	68.4
9-22	do	51.2	1.51	.....	77.2
1931					
5-6	C. E. Franklin	.....	.....	.....	0.0
5-27	do	48.4	1.62	3.22	78.1
6-19	do	48.0	1.65	2.99	79.0
7-27	do	50.0	1.58	3.11	78.3
8-23	do	42.4	1.59	2.65	67.2
9-10	do	47.0	1.67	2.92	78.1
9-27	do	28.0	1.59	1.72	45.0
1932					
11-19	A. E. Johnston	47.0	1.66	.....	78.7
5-23	A. W. Hall	52.4	2.11	3.40	110.8
6-18	do	39.8	1.45	2.47	57.7
7-11	do	48.2	1.85	3.25	89.3
8-8	do	51.2	1.70	3.25	87.4
8-10	do	53.6	1.65	3.35	88.7
9-14	do	50.4	1.46	3.15	73.8

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

DAWSON COUNTY CANAL—D-621, D-624, A-2039, A-2110

Diverted from Platte River—Sec. 18-10-23 W.
Measurements Made at Rating Flume

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
4-22	A. E. Johnston	.....	.....	.....	0.0
5-17	do	.....	.....	.....	.0
6-11	do	84.6	1.69	1.90	142.7
6-29	do	105.5	1.85	2.20	194.2
7-16	do	176.0	2.19	3.34	385.4
7-25	do	218.0	2.19	4.05	476.7
7-29	do	129.0	2.08	2.65	269.0
7-30	do	156.0	2.08	3.05	327.0
8-2	do	213.0	2.23	4.05	475.0
8-3	do	229.0	2.28	4.25	524.0
8-4	do	225.0	2.24	4.25	505.6
8-5	do	231.0	2.21	4.30	509.2
8-6	do	.....	.....	.....	.0
8-7	do	.....	.....	3.53	.....
8-8	do	.....	.....	3.42	.....
8-10	do	165.0	2.13	3.23	353.0
8-12	do	136.0	2.01	2.70	273.7
8-15	do	112.0	1.78	2.30	199.7
8-21	do	215.0	2.27	4.15	488.0
8-22	do	184.0	2.22	3.60	408.0
8-24	do	.....	.....	3.90	498.0
8-31	do	181.0	2.30	3.60	416.0
9-3	do	178.0	2.27	3.50	404.0
9-30	do	86.0	1.87	2.25	161.0
1930					
10-29	A. E. Johnston	65.0	1.44	1.95	94.0
4-22	do	.....	.....	.....	.0
5-5	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
6-7	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-1	do	.....	.....	.....	.0
7-2	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
7-19	do	57.3	1.32	.....	75.5
7-21	do	48.4	1.37	1.75	66.1
7-23	Clarence Raish	97.8	2.14	2.50	208.6
7-25	do	110.9	2.09	2.80	232.0
7-29	A. E. Johnston	124.0	1.94	2.75	240.2
7-30	do	121.0	2.75	2.80	259.2
7-30	do	108.7	1.96	2.60	213.0
7-31	do	129.0	2.15	3.00	277.3
8-4	do	135.0	2.01	3.20	274.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

DAWSON COUNTY CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1930					
8-8	Clarence Raish	177.4	2.17	3.70	385.0
8-13	do	165.0	2.10	3.27	345.2
8-21	A. E. Johnston	103.0	1.98	2.60	204.0
9-8	do	21.4	.61	.....	13.1
9-18	do	77.5	1.70	2.20	131.3
1931					
10-7	A. E. Johnston	.....	.....	.....	0.0
11-12	do	.....	.....	.....	.0
5-12	do	53.0	1.61	1.95	85.0
6-4	do	76.8	1.71	2.17	131.0
6-8	do	103.0	1.96	2.62	202.0
6-23	do	78.0	1.90	2.30	148.0
7-2	do	21.0	1.55	1.42	33.0
7-6	do	113.0	2.00	2.66	226.0
7-13	do	47.0	1.33	1.66	617.0
7-14	do	116.0	1.94	2.75	225.0
7-15	do	103.0	1.84	2.55	188.0
7-16	do	74.0	1.55	2.05	114.4
7-31	do	.....	.....	.....	.0
8-3	do	.....	.....	.....	.0
8-14	do	63.0	1.25	1.99	78.0
8-15	do	84.0	1.51	2.20	127.0
8-17	do	61.0	1.54	2.00	94.0
9-2	do	51.0	1.47	1.94	75.4
9-15	do	119.0	2.09	2.93	249.0
9-16	do	130.0	2.15	3.05	276.0
1932					
10-5	A. E. Johnston	142.0	2.15	3.32	305.0
10-7	do	123.0	1.99	2.88	245.0
10-27	do	53.0	1.03	1.80	54.2
4-13	do	40.5	1.77	1.90	71.9
5-14	do	65.0	1.89	2.35	123.0
5-16	do	72.0	1.83	2.38	131.5
5-28	do	111.0	2.04	2.80	227.5
6-1	do	34.5	1.19	1.70	41.2
6-10	do	80.0	1.82	2.54	145.6
6-30	do	88.0	1.92	2.60	168.9
7-11	do	90.0	1.69	2.58	151.7
7-13	do	122.0	1.74	2.92	212.3
7-20	do	116.0	2.00	3.05	232.6
7-21	do	153.0	2.46	3.62	376.1
7-22	do	160.5	2.34	3.76	375.8
7-23	do	157.0	2.64	3.95	414.3
8-10	do	142.0	2.06	3.45	292.6
8-13	do	90.0	1.81	2.70	162.9
8-31	do	146.0	2.42	3.67	355.7
9-6	do	155.0	2.21	3.52	343.7
9-28	do	121.0	2.14	3.18	259.5
9-29	do	87.0	2.08	2.70	181.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

DAWSON COUNTY CANAL

Diverted from Platte River
Measurements Made at Wasteway into Buffalo Creek for Kearney Canal
Sec. 34-11-22 W.

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
8-2	A. E. Johnston	19.7	1.37	.....	27.0
8-2	do	12.1	1.21	.....	14.7
8-2	do	22.1	1.33	.....	29.4
8-3	do	46.2	1.87	.....	86.4
8-4	do	38.5	.50	.....	58.0
8-5	do	38.6	1.44	.....	55.9
8-6	do	33.2	1.75	.....	58.1
8-9	do	.....	.....	.....	9.5
8-10	do	14.2	.94	.....	13.0
8-12	do	4.7	1.14	.....	5.3
8-17	do	27.6	1.32	1.95	36.5
8-21	do	27.6	1.81	2.50	50.2
8-22	do	33.0	1.82	2.90	59.8
8-24	do	34.0	1.66	2.60	56.1
8-26	do	33.0	1.63	2.48	54.0
8-31	do	34.0	1.49	2.55	51.0
9-3	do	47.0	1.56	3.20	74.0
1930					
7-16	A. E. Johnston	.....	.....	.....	0.0
7-19	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	4.4
8-21	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0
1931					
10-23	A. E. Johnston	.....	.....	.....	0.0
11-12	do	.....	.....	.....	.0

DELAWARE-HICKMAN CANAL—D-157

Diverted from Republican River—Sec. 17-1-37 W.
Measurements Made at Intake

1929					
5-15	C. E. Franklin	.....	.....	.....	0.0
6-1	do	5.4	1.30	.....	7.0
6-13	do	.....	.....	.....	.0
6-30	do	6.4	1.51	.....	9.7
7-14	do	4.6	.82	.....	3.9
8-7	do	5.2	1.62	.....	8.6
8-20	do	5.2	.80	.....	4.2
8-29	do	8.0	1.00	.....	7.9
9-28	do	6.0	1.11	.....	7.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

DELAWARE-HICKMAN CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1930					
5-20	C. E. Franklin	4.6	1.24	.....	5.7
6-5	do	4.2	.88	.....	3.7
6-24	do	3.6	1.28	.....	4.6
7-16	do	4.4	1.39	.....	6.1
8-1	do	4.8	1.67	.....	8.0
8-13	do	8.0	1.10	.....	8.8
8-30	do	6.2	1.37	.....	8.5
9-12	do	.....	.....	.....	.0
9-26	do	.....	.....	.....	.0
1931					
4-26	C. E. Franklin	.....	.....	.....	0.0
5-16	do	4.3	1.34	.....	5.7
6-5	do	12.0	1.51	.....	18.0
6-27	do	5.4	1.40	.....	8.0
7-10	do	4.4	1.06	.....	5.0
7-30	do	.....	.....	.....	.0
8-17	do	7.2	1.60	.....	12.0
9-12	do	2.4	.86	.....	2.1
9-26	do	5.0	1.06	.....	5.3
1932					
5-23	A. W. Hall	2.0	0.90	.....	1.8
7-14	do	5.0	1.80	.....	9.0
8-9	do	.....	.....	.....	.0

DICKINSON CANAL—D-967

Diverted from Lodgepole Creek—Sec. 33-14-47 W.
Measurements Made at Headgate

1929					
5-27	C. E. Franklin	.....	.....	.....	0.0
6-26	do	4.0	0.62	.....	2.5
7-10	do	3.6	.80	.....	2.9
9-15	do	4.0	.57	.....	2.3
1930					
3-5	C. E. Franklin.	.....	.....	.....	0.0
4-16	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-18	do	2.6	.85	.....	2.2
7-8	do	5.6	.84	.....	4.7
7-26	do	.....	.....	.....	.4
8-8	do	.....	.....	.....	.0
9-6	do	2.8	.56	.....	1.5
9-20	do	5.0	.64	.....	3.2

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

DICKINSON CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-4	C. E. Franklin	.....	.....	.....	0.0
6-17	do	2.0	1.39	.....	3.0
7-25	do	2.0	.46	.....	1.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	4.0	.66	.....	3.0

DICKINSON CANAL—D-969
Diverted from Lodgepole Creek—Sec. 26-14-47 W.
Measurements Made at Headgate

1929					
5-27	C. E. Franklin	.....	.....	.....	0.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-16	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-4	C. E. Franklin	.....	.....	.....	0.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
8-12	A. W. Hall	.....	.....	.....	0.0

DODD-McDOWELL CANAL—A-1276
Diverted from Little Cottonwood Creek—Sec. 13-32-53 W.
Measurements Made below Headgate

1930					
9-3	A. E. Johnston	.....	.....	.....	0.0
9-29	do	.....	.....	.....	.0
1931					
11-1	A. E. Johnston	.....	.....	.....	0.0
4-10	do	.....	.....	.....	.0
5-23	Johnston and Rasmussen	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

DODD-McDOWELL CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
6-19	A. E. Johnston	.....	.....	.....	.0
7-22	Johnston and Rasmussen	.....	.....	.....	.0
9-12	A. E. Johnston	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

DOUT CANAL NO. 1—A-1999, A-2000
Diverted from Jim Creek—Sec. 7-33-56 W.
Measurements Made at Headgate

1931					
4-11	Johnston and Rasmussen	1.2	1.25	.....	1.5
5-2	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
6-20	do		.....	.....	.0
1932					
5-3	A. E. Johnston	1.6	0.94	.....	1.5
6-22	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0

DOUT CANAL NO. 2—A-2001, A-2002
Diverted from Jim Creek—Sec. 7-33-56 W.
Measurements Made at Headgate

1931					
5-21	Johnston and Rasmussen	.....	.....	.....	0.0
6-18	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
1932					
5-3	A. E. Johnston	.....	.....	.....	0.0
6-22	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0

DOUT BROTHERS CANAL—D-981
Diverted from Jim Creek—Sec. 7-33-56 W.
Measurements Made at Headgate

1931					
4-11	Johnston and Rasmussen	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
6-20	do	.....	.....	0.42	.2

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

DUNDY COUNTY CANAL—D-118

Diverted from Republican River—Sec. 24-1-39 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-16	C. E. Franklin	.....	.....	.....	0.0
6-1	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
6-30	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
9-28	do	.....	.....	.....	.0
1930					
3-13	C. E. Franklin	.....	.....	.....	1.0
4-23	do	.....	.....	.....	.0
5-7	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
9-26	do	.....	.....	.....	.0
1931					
4-27	C. E. Franklin	.....	.....	.....	0.0
5-17	do	.....	.....	.....	.0
6-6	do	.....	.....	.....	.0
6-27	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
9-26	do	.....	.....	.....	.0
1932					
10-13	C. E. Franklin	.....	.....	.....	0.0

ELLIS CANAL—A-338

Diverted from Antelope Creek—Sec. 9-33-57 W.
Measurements Made at Headgate

1931					
6-17	Johnston and Rasmussen	.....	.....	.....	0.0
7-13	Johnston and Wyant	.....	.....	.....	.0

ELM CREEK CANAL—A-2104

Diverted from Platte River—Sec. 6-8-19 W.
Measurements Made below Headgate

1930					
7-15	A. E. Johnston	17.0	0.53	.....	9.1
7-16	do	16.6	.57	.....	9.4
7-20	do	22.1	.59	.....	12.9
9-18	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ELM CREEK CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-7	A. E. Johnston	.....	.....	.....	0.0
10-22	do	.....	.....	.....	.0
11-13	do	.....	.....	.....	.0
5-11	do	.....	.....	.....	.0
6-3	Johnston and Wyant	.....	.....	.....	.0
6-8	A. E. Johnston	.....	.....	.....	.0
6-23	do	38.0	1.00	2.80	38.5
7-2	do	.....	.....	.....	.0
7-6	do	.....	.....	.....	.0
7-12	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8-15	do	6.0	.51	1.55	3.0
9-15	do	.....	.....	.....	1.0
1932					
10-6	A. E. Johnston	29.0	1.00	2.35	29.0
5-16	do	29.4	1.07	2.46	31.5
5-28	do	23.0	.83	2.08	19.0
9-28	do	20.6	.79	1.85	16.2

EMPIRE CANAL—D-858, A-866
Diverted from North Platte River—Sec. 18-20-51 W.
Measurements Made at Rating Flume

1929					
6-27	A. W. Hall	8.0	0.94	0.60	7.5
7-1	do	7.4	.74	.45	5.5
7-11	do	9.1	1.32	.70	12.0
8-1	do	6.4	1.39	.50	8.9
8-30	do	1.1	.75	.05	.8
9-12	do	.....	.....	.....	.0
1930					
9-23	A. W. Hall	4.7	1.43	0.60	6.7
1931					
10-6	C. E. Franklin	.....	.....	.....	0.0
6-9	A. W. Hall	9.0	1.01	0.83	9.3
6-17	do	13.0	1.01	1.10	13.1
7-7	do	6.0	1.17	.50	7.0
7-23	do	2.2	.78	.20	2.0
8-24	A. E. Johnston	.....	.....	.....	.0
9-4	A. W. Hall	4.2	.88	.40	4.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

EMPIRE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
6-7	F. F. LeFever	13.0	0.85	0.87	11.1
6-11	A. W. Hall	10.2	.85	.73	8.7
6-29	F. F. LeFever	11.0	1.00	.79	11.2
7-28	do	10.0	1.35	.94	13.5
9-12	do	5.0	1.16	.56	5.8

ENTERPRISE CANAL—D-920

Diverted from North Platte River—Sec. 27-23-57 W.
Measurements Made at Rating Flume

1929					
5-22	A. W. Hall	22.7	2.32	0.67	52.9
6-8	do	31.4	1.63	.70	51.2
7-2	do	32.8	1.97	.90	64.7
8-3	do	28.7	1.72	.62	49.5
8-16	do	33.0	1.83	.82	60.6
1930					
5-9	A. W. Hall	17.7	1.10	——	19.5
5-22	do	10.4	1.19	0.20	12.4
6-7	do	17.8	2.03	.40	36.1
6-27	do	26.3	2.49	.66	65.5
7-13	do	32.1	2.01	.85	64.7
7-25	do	20.7	2.15	.45	44.6
8-12	do	24.8	2.17	.65	53.8
1931					
10-2	A. W. Hall	7.3	1.20	——	8.7
4-30	do	25.0	.79	0.85	19.8
5-23	do	36.4	1.30	1.25	47.2
5-26	do	43.3	1.47	1.45	63.6
6-5	do	50.0	1.54	1.60	77.2
6-18	do	36.0	1.52	1.35	54.0
6-26	do	50.0	1.44	1.70	72.0
7-1	do	42.4	1.21	1.29	51.0
7-10	do	39.0	1.15	1.20	45.0
7-24	do	35.4	.88	1.34	31.0
8-6	Hall and LeFever	54.0	1.69	1.80	91.0
8-21	A. W. Hall	51.1	1.64	1.73	84.0
8-27	A. E. Johnston	47.1	1.69	1.65	80.0
9-10	A. W. Hall	39.2	1.46	1.35	58.0
9-24	F. F. LeFever	28.0	1.24	1.00	35.0
1932					
10-1	A. W. Hall	14.0	0.86	0.58	12.0
4-6	A. E. Johnston	.....	.....	.....	.0
4-25	do	——	.....	——	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ENTERPRISE CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1932					
5-7	F. F. LeFever	.....	.....	.25	.0
5-18	do	24.0	.....	.88	34.3
5-24	do	33.0	.....	1.18	52.9
6-2	do	36.0	.....	1.28	64.0
6-9	do	48.0	.....	1.70	89.0
6-15	do	.....	.....	1.41	61.3
6-23	do	30.0	.....	1.29	40.0
7-2	do	43.0	2.02	1.60	87.1
7-13	do	46.0	1.83	1.63	84.3
7-21	do	41.0	.....	1.70	83.0
7-30	do	41.0	1.91	1.63	78.5
8-10	do	.....	.....	1.65	77.6
8-16	do	.....	.....	1.67	78.1
8-25	do	42.0	.....	1.67	76.0
9-7	do	37.0	1.73	1.46	64.1
9-20	do	33.0	1.67	1.29	55.1
9-30	do	36.0	1.80	1.33	64.9

ENTERPRISE CANAL—D-920
Diverted from Tub Springs—Sec. 33-23-55 W.
Measurements Made at Intake

1929					
5-22	A. W. Hall	.....	.....	.....	21.0
7-17	do	.....	.....	.....	20.6
8-15	do	.....	.....	.....	39.3
1930					
5-22	A. W. Hall	.....	.....	.....	12.0
6-7	do	.....	.....	.....	6.9
6-11	do	.....	.....	.....	12.0
6-28	do	.....	.....	.....	47.0
7-18	do	.....	.....	.....	24.0
1931					
5-1	A. W. Hall	.....	.....	.....	6.6
5-14	do	.....	.....	.....	6.6
5-23	do	.....	.....	.....	25.0
6-5	do	.....	.....	.....	23.0
6-18	do	.....	.....	.....	34.4
7-17	do	.....	.....	.....	55.2

ENTERPRISE CANAL—D-920
Diverted from Wet Spotted Tail Creek—Sec. 22-23-56 W.
Measurements Made at Intake

1929					
5-22	A. W. Hall	7.9	1.21	.....	9.6
7-2	do	8.8	1.62	.....	14.3
7-18	do	7.7	2.13	.....	16.4
8-15	do	9.0	1.91	.....	17.3

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ENTERPRISE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
5-22	A. W. Hall	5.3	1.70	.....	9.0
6-7	do	4.3	1.55	.....	6.6
6-13	do	5.0	1.42	.....	7.2
6-28	do	5.6	1.83	.....	10.2
7-26	do	10.4	2.02	.....	20.9
8-12	do	8.5	2.08	.....	17.6
9-10	do	10.1	1.61	.....	16.2
9-24	do	13.3	2.21	.....	29.2
1931					
5-1	A. W. Hall	.....	.....	.....	0.0
5-14	do	3.3	1.60	.....	5.3
5-23	do	5.9	1.45	.....	8.5
5-27	do	4.0	2.16	0.50	8.7
6-5	do	6.2	1.59	.85	9.8
6-18	do	5.0	1.84	.30	9.0
6-26	do	5.0	2.24	.40	11.0
7-1	do	5.0	2.21	.40	10.4
7-9	do	7.0	1.90	.45	13.0
7-24	do	5.0	2.66	.35	13.0
8-7	Hall and LeFever	9.0	.83	.39	7.0
8-25	F. F. LeFever	11.0	.....	.38	13.0
9-10	A. W. Hall	6.0	2.03	.10	12.0
1932					
5-18	F. F. LeFever	5.0	.....	.....	5.7
6-3	do	5.0	.....	.....	8.0
6-16	do	12.0	.....	.....	15.7
6-24	do	7.0	.....	.....	9.0
7-5	do	7.0	1.45	.....	10.2
7-12	do	7.0	1.62	.....	11.4
7-22	do	8.0	.....	.....	12.0
8-2	do	10.0	1.07	.....	10.7
8-15	do	.....	.....	.....	11.5
9-8	do	9.0	1.40	.....	12.6
9-30	do	8.0	1.62	.....	13.1

ENTERPRISE CANAL—D-920

Diverted from Dry Spotted Tail Creek—Sec. 21-23-56 W.
Measurements Made at Headgate

1931					
5-1	A. W. Hall	.....	.....	.....	0.0
5-12	do	.....	.....	.....	.0
5-27	do	9.3	1.17	.....	10.8
6-5	do	.....	.....	.....	.0
6-18	do	10.0	1.58	2.40	15.3
6-26	do	11.0	1.14	2.53	13.0
7-1	do	9.4	1.15	2.34	11.0
7-9	do	15.0	2.75	3.20	41.0
7-25	do	3.0	1.40	.....	4.2

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ENTERPRISE CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1932					
5-23	F. F. LeFever	6.0	0.76	.....	4.6
6-3	do	.....	.....	.....	.0
7-2	do	17.0	.65	.....	11.1

ERNEST CANAL NO. 1—D-514a
Diverted from Niobrara River—Sec. 9-29-56 W.
Measurements Made at Headgate

1929					
6-19	A. E. Johnston	7.9	1.28	.....	10.0
1930					
10-9	A. E. Johnston	7.0	1.05	.....	7.0
9-2	do	6.2	1.80	.....	11.2
9-30	do	6.2	1.58	.....	9.8
1931					
10-31	A. E. Johnston	.....	.....	.....	0.0
4-8	do	6.2	1.63	.....	10.0
5-20	Johnston and Rasmussen	4.6	1.33	.....	6.1
6-17	do	4.0	1.76	.....	7.0
7-23	A. E. Johnston	4.0	.90	0.82	3.3
1932					
6-21	A. E. Johnston	.....	.....	.....	0.0
7-12	do	.....	.....	0.85	.0
8-3	do	5.1	1.25	1.14	6.4
8-16	do	.....	.....	1.50	.0
8-23	do	5.2	.90	1.30	4.7
9-20	do	5.9	.65	1.32	3.8

ERNEST CANAL NO. 2—D-514b
Diverted from Niobrara River—Sec. 9-29-56 W.
Measurements Made at Headgate

1929					
6-19	A. E. Johnston	1.8	0.67	.....	1.2
1930					
10-9	A. E. Johnston	.....	.....	.....	0.0
9-2	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	2.2
1931					
10-31	A. E. Johnston	.....	.....	.....	0.0
4-8	do	5.6	1.14	.....	6.4
5-20	Johnston and Rasmussen	.....	.....	.....	1.6
6-11	do	2.0	.36	.....	1.0
7-23	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ERNEST CANAL NO. 2—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
6-21	A. E. Johnston	4.0	1.65	.....	6.6
7-12	do	.....	.....	.....	.0
8-3	do	.....	.....	.....	.0
8-16	do	.....	.....	0.20	.0
8-23	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0

EXCELSIOR CANAL—D-568
Diverted from Niobrara River—Sec. 10-28-52 W.
Measurements Made at Headgate

1929					
6-19	A. E. Johnston	1.4	0.57	.....	0.8
1930					
10-9	A. E. Johnston	.....	.....	.....	0.0
9-1	do	.....	.....	.....	.0
1931					
10-1	A. E. Johnston	.....	.....	.....	0.0
5-20	Johnston and Rasmussen	.....	.....	.....	.0
6-18	do	3.0	1.49	1.12	5.0
7-23	do	4.2	1.08	1.49	5.0
1932					
6-23	A. E. Johnston	3.8	0.76	0.32	2.9
8-3	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0

FARMERS CANAL—D-10
Diverted from Frenchman River—Sec. 11-3-32 W.
Measurements Made at Headgate

1929					
5-13	C. E. Franklin	.....	.....	.....	0.0
6-10	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.0
6-28	do	.....	.....	.....	.0
7-12	do	6.4	0.47	.....	3.0
8-3	do	9.5	.95	.....	9.1
8-7	do	.....	.....	.....	.0
8-17	do	10.8	.54	.....	5.9
8-29	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
9-27	do	7.6	.79	.....	6.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

FARMERS CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1930					
3-10	C. E. Franklin	.....	.....	.....	0.0
4-20	do	.....	.....	.....	.0
5-5	do	.....	.....	.....	.0
5-18	do	.....	.....	.....	.0
6-4	do	.....	.....	.....	.0
6-22	do	7.8	1.11	.....	8.6
7-1	do	.....	.....	.....	.0
7-12	do	11.1	.55	.....	6.1
7-29	do	.....	.....	.....	.0
8-11	do	10.1	.53	.....	5.3
8-26	do	7.5	.56	.....	4.2
9-9	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
1931					
5-7	C. E. Franklin	.....	.....	.....	0.0
5-28	do	7.0	0.62	.....	4.6
6-19	do	11.0	.28	.....	3.1
7-27	do	.....	.....	.....	.0
8-26	do	9.0	.87	.....	7.7
9-11	do	5.0	.55	.....	2.7
9-17	do	.....	.....	.....	.0
9-27	do	6.0	.65	.....	3.6
1932					
5-23	A. W. Hall	8.2	1.44	.....	11.8
6-19	do	.....	.....	.....	.0
7-12	Hall and Korell	5.5	.87	0.90	4.8
8-8	A. W. Hall	5.2	1.04	1.10	5.4
9-14	do	7.6	.87	.....	6.6

FENDRICH CANAL—A-616

Diverted from Niobrara River—Sec. 32-29-48 W.
Measurements Made at Headgate

1932					
5-4	A. E. Johnston	.....	.....	.....	0.0
6-23	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0

FINCH CANAL—D-964

Diverted from Clear Creek—Sec. 4-15-41 W.
Measurements Made at Headgate

1930					
8-4	A. W. Hall	2.7	2.15	.....	5.8
8-9	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

FINCH CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
6-22	A. W. Hall	.....	.....	.....	0.0
7-9	A. E. Johnston	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
1932					
6-4	A. E. Johnston	.....	.....	.....	0.0
6-8	do	1.0	1.10	.....	1.1
6-25	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
8-6	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0

FOLLETT-KROTTER CANAL—A-705, A-720
Diverted from Frenchman River—Sec. 35-5-34 W.
Measurements Made at Headgate

1929					
5-12	C. E. Franklin	.....	.....	.....	0.0
5-30	do	5.6	2.30	0.90	12.9
6-12	do	5.0	1.70	.80	8.5
6-28	do	3.5	1.66	.....	6.0
7-12	do	6.6	2.12	1.12	14.0
8-26	do	.....	.....	.....	.0
1930					
4-20	C. E. Franklin	6.0	2.00	.....	12.0
5-5	do	.....	.....	.....	.0
5-18	do	.....	.....	.....	.0
6-1	do	1.8	2.39	.....	4.3
6-23	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-9	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
1931					
	C. E. Franklin	7.3	2.52	1.22	18.4
5-27	do	7.0	2.48	1.30	18.4
6-19	do	2.0	1.09	.35	2.3
7-16	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
9-10	do	7.0	1.65	.....	11.9
9-27	do	4.0	2.05	1.40	9.0
1932					
11-18	A. E. Johnston	5.0	2.86	.....	13.7
5-23	A. W. Hall	.8	.75	0.20	.6
6-18	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

FUHRMAN CANAL—D-462
Diverted from Niobrara River—Sec. 29-29-50 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
4-20	A. E. Johnston	.....	.....	.....	0.0
5-27	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
1930					
10-9	A. E. Johnston	.....	.....	.....	0.0
9-1	do	11.8	0.86	.....	10.1
1931					
5-19	A. E. Johnston	.....	.....	.....	0.0
6-15	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
9-26	do	2.0	0.96	0.90	2.3
1932					
10-20	A. E. Johnston	.....	.....	.....	0.0
11-9	do	.....	.....	.....	.0
5-4	do	.....	.....	.....	.0
6-23	do	5.5	0.78	.....	4.3
8-4	do	1.7	1.47	.....	2.5
8-24	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.5

FUHRMAN CANAL, SOUTH SIDE—D-462
Diverted from Niobrara River—Sec. 29-29-50 W.
Measurements Made at Headgate

1931					
7-23	Johnston and Rasmussen	.....	.....	.....	0.0
9-13	A. E. Johnston	.....	.....	.....	.0
9-26	do	.....	.....	.....	.0
1932					
10-20	A. E. Johnston	.....	.....	.....	0.0
11-9	do	.....	.....	.....	.0
5-4	do	.....	.....	.....	.0
6-23	do	1.6	1.06	.....	1.7
8-4	do	9.1	1.37	1.00	12.5
8-24	do	.....	.....	.....	.0
9-21	do	2.2	1.45	.....	3.1

GALLUP CANAL—D-426
Diverted from Chadron Creek—Sec. 15-33-49 W.
Measurements Made at Headgate

1931					
6-20	A. E. Johnston	0.8	0.50	.....	0.4
9-11	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

GALLUP CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-2	A. E. Johnston	.....	.....	.....	0.0
6-18	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

GATCH CANAL—A-1220
Diverted from Springs—Sec. 25-21-54 W.
Measurements Made at Headgate

1929					
8-14	A. W. Hall	2.2	1.30	.....	2.8
1930					
9-5	A. W. Hall	3.2	1.76	.....	5.6
1931					
5-15	A. W. Hall	1.8	1.48	0.60	2.6
1932					
8-17	F. F. LeFever	.....	.....	.....	3.9
9-12	do	.....	.....	.....	.3

GERING CANAL—A-365
Diverted from North Platte River—Sec. 4-23-58 W.
Measurements Made at Rating Flume

1929					
5-20	A. W. Hall	29.8	1.52	1.35	45.2
6-8	do	44.8	1.90	2.00	85.5
6-13	do	78.7	2.40	2.87	188.5
6-22	do	92.1	2.06	3.40	189.4
7-3	do	96.3	2.10	3.60	201.0
7-19	do	79.2	2.15	3.00	170.2
7-27	do	98.0	2.37	3.65	232.8
8-16	do	108.3	2.50	3.80	271.8
8-23	do	92.5	2.43	3.74	224.8
8-30	do	84.0	2.57	3.60	216.0
9-14	do	20.0	1.83	1.65	36.7
1930					
4-25	A. W. Hall	33.0	1.67	1.45	54.0
5-2	do	54.0	2.02	2.15	109.0
5-9	do	55.0	2.26	2.25	124.0
5-21	do	46.0	2.20	1.90	101.0
6-6	do	59.0	2.28	2.40	136.0
6-12	do	72.0	2.22	2.86	159.0
6-27	do	99.0	2.36	3.80	233.0
7-13	do	65.4	2.28	2.90	149.0
7-26	do	63.9	2.26	3.00	144.6
9-10	do	49.0	1.59	2.00	78.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

GERING CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
10-1	A. W. Hall	.....	.....	.....	0.0
5-13	do	41.0	1.51	1.35	63.0
5-23	do	76.0	1.94	2.45	147.0
5-27	do	94.0	2.01	3.00	189.0
6-4	do	110.0	3.06	3.50	238.0
6-18	do	106.0	2.34	3.55	250.0
7-1	do	76.0	2.01	2.52	152.0
7-9	do	77.0	2.02	2.55	154.0
8-6	Hall and LeFever	159.0	2.09	2.55	166.0
8-14	F. F. LeFever	76.2	2.01	2.44	153.0
8-15	do	75.8	1.99	2.44	151.0
8-15	U. S. R. S.	.....	.....	2.11	132.0
9-2	F. F. LeFever	39.0	.....	1.28	60.0
9-9	A. W. Hall	40.3	1.73	1.28	70.0
9-23	F. F. LeFever	63.0	.....	2.04	116.0
9-30	A. W. Hall	66.0	2.02	2.00	133.0
1932					
10-8	F. F. LeFever	54.0	1.78	1.76	97.0
4-23	A. E. Johnston	.....	.....	.....	.0
5-7	F. F. LeFever	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
5-24	do	62.0	.....	1.97	202.0
6-2	do	80.0	.....	2.54	247.0
6-8	A. W. Hall	.....	.....	2.30	226.0
6-8	J. A. Keimig	.....	.....	2.01	194.0
6-15	F. F. LeFever	.....	.....	2.76	277.0
6-23	do	72.0	.....	2.28	213.0
7-2	do	72.0	2.94	2.25	211.8
7-12	do	69.0	2.93	2.17	202.4
7-15	do	52.0	2.84	1.65	147.7
7-15	do	52.0	2.83	1.65	147.4
7-21	do	54.0	.....	1.74	160.0
7-30	do	52.0	2.81	1.66	146.2
8-10	do	.....	.....	1.60	140.3
8-16	do	.....	.....	1.32	115.5
8-26	do	75.6	2.15	1.73	162.3
9-7	do	50.0	2.86	1.58	143.4
9-20	do	19.0	3.05	.65	58.4
9-30	do	30.0	3.26	1.00	97.9

GERING CANAL—A-365

Diverted from North Platte River—Sec. 4-23-58 W.
Measurements Made at Rating Flume—Bad Lands—Sec. 29-22-55 W.

1929					
5-23	A. W. Hall	68.0	1.76	1.35	120.0
6-7	do	70.8	1.92	1.32	135.7
6-14	do	72.5	2.33	1.60	168.8
6-22	do	105.2	1.63	2.48	171.2
7-2	do	110.2	1.64	2.92	180.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

GERING CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
7-13	A. W. Hall	109.4	1.66	2.87	181.9
7-27	do	107.4	1.61	2.90	173.1
8-17	do	124.7	1.63	3.30	203.6
8-23	do	124.0	1.67	3.34	207.9
8-24	do	130.0	1.67	3.55	217.0

GERING CANAL—A-365

Diverted from North Platte River—Sec. 4-23-58 W.
Measurements Made at Rating Flume—Bad Lands—Upper Station
SW¼NW¼ Sec. 29-22-55 W.

1930					
5-2	A. W. Hall	62.0	2.01	2.40	125.0
5-9	do	72.0	2.33	2.65	169.0
5-20	do	46.0	2.02	1.85	92.0
6-11	do	65.0	2.62	2.55	170.0
6-25	do	113.0	1.88	2.92	212.0

GERING CANAL—A-365

Diverted from North Platte River—Sec. 4-28-53 W.
Measurements Made at Rating Flume—Bad Lands—Lower Station
NE¼SE¼ Sec. 29-22-55 W.

1930					
5-22	A. W. Hall	22.3	1.70	0.90	38.0
6-11	do	34.0	1.98	1.40	67.0
6-25	do	76.0	2.78	3.16	211.0

GOTHENBURG DIVERSION CANAL—D-645a

Diverted from Platte River—Sec. 29-12-26 W.
Measurements Made at Rating Flume

1929					
1-7	A. E. Johnston	84.4	1.74	5.40	146.4
1-17	do	99.6	2.04	5.65	203.6
2-20	do	88.5	1.83	5.00	162.5
3-5	do	97.3	2.24	6.10	218.0
3-26	do	73.2	1.93	4.30	141.4
4-5	do	72.0	2.24	4.40	161.0
4-23	do	70.4	2.12	4.35	149.1
5-17	do	66.6	2.00	4.30	133.2
6-11	do	65.8	1.94	4.30	127.9
6-28	do	64.5	2.00	4.30	129.0
7-17	do	95.3	2.23	4.85	212.3
7-25	do	104.4	2.52	5.40	264.0
7-30	do	128.7	2.25	5.60	290.0
8-2	do	121.0	2.92	6.05	354.0
8-5	do	150.0	2.25	5.85	338.0
8-14	do	90.1	2.20	5.10	198.0
8-27	do	145.0	2.16	5.85	315.0
8-30	do	92.6	2.75	5.50	255.0
9-3	do	157.0	2.15	6.00	338.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

GOTHENBURG DIVERSION CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
10-1	A. E. Johnston	89.0	2.64	5.20	235.0
10-29	do	81.0	2.02	4.95	163.0
11-18	do	70.0	1.58	.....	111.0
11-27	do	78.0	1.80	.....	141.0
12-12	do	.....	.....	.....	.0
1-4	do	91.0	.61	5.90	56.0
1-27	do	.....	.....	.....	158.0
3-8	do	69.0	1.93	.....	133.0
4-5	do	52.0	2.16	1.30	113.0
4-21	do	56.0	1.98	1.40	111.0
5-6	do	52.0	1.84	1.30	96.0
5-22	do	61.0	1.82	1.50	109.0
6-7	do	70.0	2.22	1.85	156.0
6-24	do	72.0	2.07	1.80	149.0
7-1	do	72.0	2.35	1.82	169.0
7-3	do	64.0	2.25	1.60	144.0
7-7	do	76.0	2.44	1.90	185.3
7-9	do	56.0	2.33	1.40	130.4
7-10	do	64.0	2.45	1.60	156.9
7-15	do	56.0	2.26	1.40	126.2
7-19	do	96.0	2.55	2.40	245.5
7-21	do	92.0	2.69	2.30	247.8
7-29	do	120.0	2.54	2.98	304.5
7-31	do	124.0	2.79	3.10	346.2
8-13	do	108.0	2.74	2.72	296.0
9-19	do	76.0	2.45	1.90	186.0
1931					
10-6	A. E. Johnston	80.0	2.51	.....	200.0
10-21	do	80.0	2.38	2.00	190.3
10-24	do	80.0	2.43	2.00	194.2
11-12	do	72.0	2.44	1.82	175.4
11-28	do	64.0	.60	1.60	38.6
12-11	do	48.0	1.85	1.72	88.7
1-6	do	41.0	1.18	1.40	48.0
2-10	do	64.0	2.40	.....	154.0
3-26	do	68.0	2.33	1.73	158.0
5-12	do	72.0	2.38	1.80	171.0
6-4	Johnston and Wyant	80.0	2.48	2.02	198.0
6-8	A. E. Johnston	64.0	2.10	1.60	134.0
6-24	do	88.0	2.52	2.20	222.0
7-1	do	28.0	2.25	.71	63.0
7-7	do	10.4	2.54	2.62	264.0
7-14	do	72.0	2.25	1.81	162.0
7-17	do	44.0	2.32	1.08	102.0
7-31	do	10.0	1.25	.25	13.0
8-3	do	16.0	2.06	.38	33.0
8-14	do	80.0	2.37	1.95	190.0
8-15	do	72.0	2.23	1.82	161.0
8-17	do	99.0	2.14	2.45	211.0
9-1	do	60.0	2.16	1.48	130.0
9-2	do	64.0	2.22	1.60	143.0
9-16	do	80.0	2.40	2.05	192.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

GOTHENBURG DIVERSION CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-5	A. E. Johnston	128.0	2.88	3.16	368.0
10-7	do	128.0	2.81	3.10	360.0
10-27	do	79.0	2.94	——	233.0
10-29	do	72.0	2.24	1.80	161.0
11-27	do	80.0	2.12	2.30	170.0
12-19	do	100.0	1.92	2.60	192.0
1-6	do	84.0	1.95	2.10	164.0
1-21	do	118.0	.84	3.05	151.0
2-17	do	75.0	1.83	2.60	138.0
3-16	do	68.0	1.50	1.72	102.0
4-13	do	72.0	2.15	1.70	155.0
4-15	do	82.0	2.26	2.04	185.0
5-13	do	84.0	3.03	2.05	255.0
5-17	do	80.0	3.21	1.95	257.0
5-27	do	72.0	3.06	1.75	220.0
6-1	do	48.0	3.66	1.15	176.0
6-10	do	72.0	3.35	1.52	241.0
6-29	do	60.0	4.13	1.50	249.0
7-11	do	84.0	4.07	2.08	343.0
7-20	do	64.0	4.10	1.59	264.0
7-21	do	44.0	4.21	1.10	186.0
7-23	do	88.0	3.83	2.20	337.0
8-10	do	96.0	3.60	2.38	346.0
8-13	do	85.0	3.70	2.13	314.0
8-31	do	80.0	3.87	2.00	309.0
9-7	do	88.0	3.62	2.18	318.0
9-27	do	80.0	3.72	2.00	297.0
9-30	do	92.0	3.63	2.27	335.0

GOTHENBURG IRRIGATION CANAL—D-645b
Diverted from Platte River—Sec. 29-12-26 W.
Measurements Made at Rating Flume—Sec. 3-11-25 W.

1929					
4-23	A. E. Johnston	.....	.....	.....	0.0
5-17	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-29	do	.....	.....	.....	.0
7-16	do	55.8	1.44	3.10	80.0
7-25	do	61.9	1.84	3.50	114.0
7-29	do	74.0	1.75	4.10	130.0
8-2	do	88.0	1.98	4.90	174.0
8-5	do	80.5	1.80	4.50	146.0
8-10	do	88.0	1.97	4.90	175.0
8-12	do	84.6	2.10	4.70	178.0
8-14	do	86.4	1.68	4.80	146.0
8-23	do	70.0	2.25	3.90	152.0
8-27	do	68.0	2.21	3.80	151.0
8-30	do	66.6	2.19	3.70	146.0
9-3	do	70.0	2.43	3.90	171.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

GOTHENBURG IRRIGATION CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1930					
10-1	A. E. Johnston	59.0	1.18	3.30	70.0
10-29	do	.....	.....	2.00	.0
4-21	do	.....	.....	.....	.0
5-6	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6-7	do	10.9	1.43	.70	15.7
6-24	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-1	do	.....	.....	.....	.0
7-3	do	.....	.....	.....	.0
7-7	do	16.2	2.61	.90	42.4
7-8	do	21.6	2.97	1.20	64.1
7-9	do	52.2	1.37	2.90	71.8
7-15	do	48.6	1.64	2.70	79.9
7-16	do	50.4	2.06	2.80	103.6
7-19	do	48.6	1.65	2.70	80.0
7-21	do	51.3	1.82	2.85	93.4
7-29	do	64.8	2.62	3.60	169.0
7-31	do	66.6	2.72	3.70	181.0
8-13	do	66.6	1.77	3.70	118.0
8-22	do	45.0	.45	2.50	20.4
9-19	do	8.7	1.66	.50	14.4
1931					
10-6	A. E. Johnston	34.2	0.86	1.90	29.4
10-21	do	36.0	.90	2.00	32.3
10-24	do	36.0	.98	2.00	35.4
11-12	do	.....	.....	.....	.0
5-12	do	.....	.....	.....	.0
6-8	do	.....	.....	.....	.0
6-24	do	54.0	1.10	3.00	59.0
7-1	do	.....	.....	3.12	6.0
7-7	do	61.2	1.30	3.43	80.0
7-13	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8-3	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
8-15	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9-1	do	10.0	1.38	.....	13.4
9-16	do	4.3	1.58	.....	7.0
1932					
10-5	A. E. Johnston	68.0	2.94	3.82	201.0
10-7	do	65.0	3.24	3.65	210.0
10-27	do	54.0	1.46	3.00	79.2
10-28	do	67.0	1.02	3.70	67.2

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

GOTHENBURG IRRIGATION CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
4-13	A. E. Johnston	.....	.....	.....	.0
4-15	do	18.0	2.78	1.00	50.2
5-14	do	22.0	3.02	1.20	65.3
5-17	do	20.0	3.21	1.10	63.8
5-27	do	43.0	1.14	2.40	49.5
6-10	Johnston and Follansbee	29.0	1.31	1.03	37.9
6-29	A. E. Johnston	35.0	1.80	1.96	63.0
7-11	do	78.0	2.11	3.45	164.4
7-20	do	44.0	.80	2.42	36.0
7-21	do	64.0	.83	2.40	52.5
7-23	do	67.0	2.36	3.40	157.3
8-10	do	63.0	1.98	3.15	125.4
8-13	do	62.0	1.85	2.95	115.0
8-31	do	70.0	1.66	3.22	117.6
9-7	do	77.0	1.27	3.30	97.7
9-27	do	75.0	1.71	3.25	128.0
9-30	do	75.0	1.80	3.20	134.6

GRAF CANAL—D-788

Diverted from Blue Creek—Sec. 19-16-42 W.
Measurements Made at Rating Flume

1929					
5-22	A. E. Johnston	3.3	0.63	.....	2.1
6-14	do	11.6	1.54	1.70	17.9
6-25	do	15.7	1.48	2.10	23.3
6-25	do	20.5	1.13	2.10	23.2
6-28	A. W. Hall	16.9	1.38	2.10	23.4
6-29	do	19.3	1.55	2.75	29.9
7-19	A. E. Johnston	8.4	1.06	.....	8.8
7-23	do	4.6	.76	.80	3.4
8-2	A. W. Hall	14.6	1.35	2.30	19.7
8-8	do	9.3	1.33	1.50	12.4
8-8	do	14.0	1.40	2.20	19.7
8-9	do	16.7	1.54	2.60	25.9
9-6	A. E. Johnston	.....	.....	.....	.0
1930					
10-4	A. E. Johnston	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
6-3	do	.....	.....	.....	1.5
6-18	do	14.0	1.23	1.60	17.0
7-5	do	13.4	1.60	1.60	21.4
7-11	do	16.1	1.11	1.80	17.9
7-16	do	14.8	1.81	1.80	26.8
7-23	do	15.5	1.48	1.75	22.8
8-9	do	15.7	1.59	1.84	24.9
8-19	do	12.1	1.54	1.50	18.6
8-28	do	.....	.....	.....	.0
9-24	do	13.0	1.30	1.60	16.8

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

GRAF CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
10-28	A. E. Johnston	.....	.....	.....	0.0
5-15	do	.....	.....	.....	.0
6-1	do	21.5	1.56	2.40	33.7
6-12	do	8.0	.83	1.00	7.0
6-23	A. W. Hall	17.0	1.75	2.20	29.0
6-24	J. V. Ruzicka	11.0	.92	1.30	10.0
6-26	A. E. Johnston	9.0	1.62	1.30	15.0
7-6	J. V. Ruzicka	8.3	.94	1.19	8.0
7-9	A. E. Johnston	9.0	1.44	1.30	13.0
7-19	do	16.0	1.74	2.25	27.4
7-27	do	20.3	1.35	2.11	28.0
7-28	do	18.0	1.53	2.15	27.4
8-4	do	16.0	1.67	2.05	26.0
8-11	do	18.2	1.57	2.20	29.0
8-20	do	20.0	1.48	2.20	30.0
9-5	do	19.0	1.53	2.31	29.0
9-19	do	8.3	.54	.90	5.0
9-30	do	8.0	.37	.80	3.0
1932					
10-10	A. E. Johnston	6.0	0.81	0.75	5.0
10-23	do	.....	.....	.....	2.0
11-2	do	.....	.....	.....	.0
4-9	do	.....	.....	.....	.0
4-19	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
5-20	do	11.0	.54	1.30	6.0
5-24	do	19.7	1.26	2.10	24.9
6-4	do	17.6	1.17	2.00	20.8
6-8	do	21.6	1.31	2.24	28.3
6-25	do	14.5	1.24	1.72	18.0
7-6	do	11.9	1.37	1.65	16.3
7-16	do	19.5	1.54	2.30	30.0
7-27	J. V. Ruzicka	17.7	1.34	2.21	23.8
8-6	A. E. Johnston	21.5	1.60	2.59	34.4
8-9	J. V. Ruzicka	18.1	1.55	2.19	28.0
8-16	do	7.5	1.18	1.24	8.9
8-26	A. E. Johnston	17.3	1.41	2.14	24.5
9-10	do	13.6	.97	1.72	13.2
9-23	do	18.8	1.21	2.25	22.9

GUNDERSON CANAL—D-305

Diverted from Lodgepole Creek—Sec. 1-14-52 W.
Measurements Made 1300 Feet below Headgate

1929					
5-9	C. E. Franklin	.....	.....	.....	0.0
5-24	do	10.8	0.60	.....	6.5
6-26	do	11.2	.24	.....	2.8
7-9	do	6.4	.22	.....	1.4
9-14	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

GUNDERSON CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
3-4	C. E. Franklin	----	----	----	0.0
4-14	do	----	----	----	0.0
4-28	do	----	----	----	.0
5-13	do	----	----	----	.0
6-12	do	----	----	----	.0
7-17	do	----	----	----	.0
8-7	do	2.2	0.26	----	.5
8-22	do	----	----	----	.0
9-4	do	----	----	----	.0
9-18	do	----	----	----	.0
1931					
5-3	C. E. Franklin	----	----	----	0.0
5-21	do	----	----	----	.0
6-15	do	----	----	----	.0
7-24	do	----	----	----	.0
8-19	do	----	----	----	.0
9-5	do	----	----	----	.0
9-24	do	----	----	----	.0

GUTHRIE CANAL—D-1036

Diverted from Republican River—Sec. 34-1-7 W.
Measurements Made at Headgate

1931					
3-16	A. E. Johnston	273.0	1.88	----	516.0

HAIGLER CANAL—D-1025

Diverted from Republican River—Sec. 2-1-43 W.

1929					
5-16	C. E. Franklin	----	----	----	0.0
6-1	do	9.0	1.10	1.00	10.0
6-13	do	12.8	1.25	1.40	16.0
6-30	do	13.8	1.55	1.45	21.5
7-14	do	12.8	1.45	----	18.6
8-7	do	16.6	1.38	1.75	23.0
8-29	do	22.0	1.31	2.30	28.5
9-28	do	14.0	1.23	1.50	17.0
1930					
3-13	C. E. Franklin	----	----	----	0.0
4-23	do	----	----	----	.0
5-8	do	6.2	0.97	----	6.0
5-20	do	6.3	1.04	----	6.7
6-5	do	----	----	----	.0
6-24	do	9.7	1.51	1.25	14.6
7-16	do	----	----	----	.0
8-1	do	18.1	1.33	----	24.0
8-14	do	27.8	1.12	----	31.0
8-30	do	5.0	1.32	----	6.6
9-12	do	22.7	1.19	----	27.1
9-26	do	2.6	.93	----	2.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HAIGLER CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
4-27	C. E. Franklin	.....	.....	.....	0.0
5-17	do	7.0	0.48	0.87	3.0
6-6	do	14.0	1.22	1.60	17.4
6-27	do	9.0	1.14	1.10	9.9
7-10	do	13.0	1.38	1.62	17.9
7-30	do	16.0	1.18	1.91	19.1
8-27	do	11.0	1.27	1.35	14.0
9-26	do	14.0	1.18	1.70	17.0
1932					
11-19	A. E. Johnston	7.0	1.01	0.90	7.5

HALE CANAL—D-322

Diverted from Lodgepole Creek—Sec. 36-14-49 W.
Measurements Made at Headgate

1930					
5-14	C. E. Franklin	.....	.....	.....	0.0

HALL CANAL—D-478a, D-478c

Diverted from White River—Sec. 34-32-52 W.
Measurements Made at Rating Flume

1929					
5-1	A. E. Johnston	.....	.....	.....	0.0
5-28	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
1930					
10-11	A. E. Johnston	7.0	1.12	.....	8.0
9-4	do	.....	.....	.....	.0
9-29	do	3.9	.77	.....	3.0
1931					
11-1	A. E. Johnston	7.2	1.10	.....	7.8
4-10	do	.....	.....	.....	.0
5-22	Johnston and Rasmussen	.....	.....	.....	.0
5-22	do	11.0	1.42	.....	15.0
6-19	do	6.0	.88	0.80	4.9
7-22	A. E. Johnston	7.0	1.01	.83	7.3
9-12	do	7.0	.89	.97	6.1
9-26	do	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	11.0	0.81	1.32	8.8
11-7	do	.....	.....	.....	.0
5-2	do	.....	.....	.....	.0
6-20	do	5.7	.81	.58	4.6
8-1	do	8.3	1.01	.....	8.4
8-22	do	.....	.....	.....	.0
9-19	do	5.7	1.05	.80	6.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HANEY CANAL—D-719

Diverted from Lonergan Creek—Sec. 17-15-39 W.
Measurements Made at Intake

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-22	A. E. Johnston	4.1	0.75	.....	3.1
6-14	do	2.5	1.72	.....	4.3
6-26	do	3.4	.94	.....	3.2
7-19	do	2.3	1.10	.....	2.5
1930					
10-3	A. E. Johnston	2.0	1.62	.....	3.0
4-17	do	2.6	.86	.....	2.2
5-9	do	3.4	1.19	.....	4.1
6-4	do	2.7	.81	.....	2.2
7-23	do	3.4	1.29	1.00	4.4
7-25	do	3.4	1.26	.....	4.3
8-2	do	2.7	.84	.80	2.3
8-4	do	3.7	1.30	1.10	4.8
8-7	do	4.4	1.45	.....	6.4
8-11	do	4.4	1.73	1.30	7.6
9-23	do	.....	.....	.....	.0
1931					
10-28	A. E. Johnston	.....	.....	.....	0.0
5-15	do	4.0	1.40	.....	5.7
6-1	do	3.4	2.50	.....	8.5
6-11	do	2.7	1.28	.....	2.9
6-26	do	3.0	1.34	1.00	5.0
6-30	do	3.4	1.32	1.00	5.0
7-9	do	3.4	1.27	1.00	4.3
7-19	do	3.4	1.00	1.01	3.4
7-28	do	3.4	.90	1.02	3.0
8-12	do	2.4	.41	.74	1.0
8-19	do	3.1	1.21	.92	4.0
9-4	do	2.0	1.19	.62	2.2
9-19	do	2.0	1.16	.70	2.0
1932					
10-1	A. E. Johnston	1.0	1.54	1.00	2.2
10-10	do	.....	.....	1.10	2.5
10-23	do	.....	.....	.....	.0
11-2	do	2.0	1.70	1.00	3.4
12-1	do	2.0	1.50	.....	3.0
4-19	do	3.7	1.21	.....	4.5
5-11	do	2.0	1.25	.65	2.5
5-20	do	1.7	1.34	.65	2.3
5-25	do	1.7	1.18	.60	2.0
6-4	do	3.4	1.44	.90	4.9
6-8	do	4.0	1.67	1.00	6.7
6-25	do	2.1	1.38	.90	2.9
7-7	do	3.2	1.47	1.20	4.7
7-16	do	4.0	1.62	1.20	6.5
7-30	J. V. Ruzicka	3.3	1.19	1.00	4.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HANEY CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
8-6	A. E. Johnston	3.8	1.58	1.20	6.0
8-9	J. V. Ruzicka	2.2	2.06	1.16	4.6
8-13	do	4.2	1.74	1.35	7.3
8-27	A. E. Johnston	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	2.8	1.89	.....	5.3

HANNAH CANAL—D-886

Diverted from North Platte River—Sec. 24-18-47 W.
Measurements Made at Headgate

1929					
7-22	A. E. Johnston	.....	.....	.....	0.0
8-13	do	.....	.....	.....	.0
1930					
7-15	A. W. Hall	.....	.....	.....	0.0
7-24	A. E. Johnston	.....	.....	.....	.0
1931					
6-27	A. E. Johnston	2.0	0.60	0.33	1.0
7-10	do	.....	.....	.....	.0
1932					
7-8	F. F. LeFever	3.0	0.70	0.50	2.1
8-17	J. V. Ruzicka	1.0	.24	.28	.2

HARPER CANAL

Diverted from Clear Creek—Sec. 32-16-41 W.
Measurements Made at Headgate

1930					
7-23	A. E. Johnston	2.7	1.42	.....	3.8
8-20	A. W. Hall	.....	.....	.....	.0

HARRIS-COOPER CANAL—D-464a, D-464b, D-464c

Diverted from White River—Secs. 26 and 34-32-52 W.
Measurements Made at Intake

1929					
5-1	A. E. Johnston	.....	.....	.....	0.0
5-29	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
1930					
9-29	A. E. Johnston	.....	.....	.....	0.0
1932					
9-19	A. E. Johnston	.....	.....	.....	0.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HARRIS-NEECE CANAL—D-517

Diverted from Niobrara River—Sec. 3-28-55 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
6-19	A. E. Johnston	.....	.....	.....	13.6
1930					
10-9	A. E. Johnston	7.0	1.66	.....	11.0
9-2	do	.....	.....	.....	.0
1931					
10-1	A. E. Johnston	5.0	1.41	.....	7.0
5-20	Johnston and Rasmussen	4.8	2.49	.....	11.9
6-18	do	4.0	2.32	0.80	9.3
7-23	do	4.0	1.36	.68	5.2
1932					
6-23	A. E. Johnston	.....	.....	.....	0.0
8-3	Johnston and Rasmussen	6.0	1.56	1.00	9.4
8-24	A. E. Johnston	6.0	1.34	1.18	8.1
9-21	do	6.5	1.85	1.26	12.0

HARTZELL CANAL—D-448

Diverted from Little Bordeaux Creek—Sec. 13-33-48 W.
Measurements Made at Headgate

1929					
5-2	A. E. Johnston	.....	.....	.....	0.0
5-29	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
1930					
10-12	A. E. Johnston	1.50	0.60	.....	0.9
9-5	do	.....	.....	.....	.0
9-29	do	.....	.....	.....	.0
1931					
11-3	A. E. Johnston	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
5-26	do	1.7	1.90	.....	3.2
6-21	do	1.0	2.60	.....	3.4
7-24	do	1.0	1.18	.....	1.3
8-7	do	1.0	1.42	.....	2.0
9-11	do	4.0	1.07	.....	4.2
9-25	do	1.0	1.45	.....	1.6
1932					
10-17	A. E. Johnston	1.0	1.45	.....	1.6
11-6	do	1.0	1.64	.....	2.0
4-30	do	.....	.....	.....	2.0
6-18	do	1.5	1.00	.....	1.5
7-30	do	1.6	1.43	.....	2.3
8-20	do	.5	1.20	.....	.6
9-17	do	.4	.85	.....	.3

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HIGH LINE CANAL—A-1682
Diverted from Jim Creek—Sec. 13-33-57 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
4-11	Johnston and Rasmussen	0.8	0.87	.....	0.7
5-2	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
1932					
5-3	A. E. Johnston	0.5	1.40	.....	0.7
6-22	do	.5	.80	0.92	.4
8-2	do	.....	.....	.....	.0

HITSHEW CANAL—A-1260
Diverted from Niobrara River—Sec. 6-28-52 W.
Measurements Made at Intake

1929					
6-19	A. E. Johnston	.....	.....	.....	0.0
1930					
10-9	A. E. Johnston	.....	.....	.....	0.0
9-1	do	2.4	0.20	.....	.4
1931					
10-1	A. E. Johnston	3.1	0.24	.....	0.7
4-10	do	7.3	1.01	.....	7.4
5-20	Johnston and Rasmussen	1.6	1.81	.....	2.8
6-18	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
1932					
6-23	A. E. Johnston	.....	.....	.....	0.0
8-3	Johnston and Rasmussen	.....	.....	.....	.0
8-24	A. E. Johnston	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0

HOLLINGSWORTH CANAL—D-723
Diverted from South Platte River—Sec. 7-13-38 W.
Measurements Made at Rating Flume

1929					
5-22	A. E. Johnston	.....	.....	.....	0.0
6-14	do	3.7	0.67	.....	2.5
6-26	do	5.0	.54	.....	2.7
7-19	do	6.1	.81	.....	4.9
7-23	do	5.1	.56	.....	2.9
9-5	do	8.0	1.10	.....	8.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HOLLINGSWORTH CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
10-3	A. E. Johnston	.....	.....	.....	0.0
4-17	do	5.3	2.06	.....	10.9
5-9	do	.....	.....	.....	.0
6-4	do	.....	.....	.....	.0
7-10	do	6.8	1.25	.....	8.5
7-23	do	6.6	1.11	.....	7.3
7-26	do	5.3	.96	.....	5.0
8-1	do	6.8	1.14	.....	7.7
8-4	do	6.8	1.00	.....	6.8
8-6	do	6.1	1.04	.....	6.3
8-12	do	6.8	1.21	.....	8.2
8-27	do	.....	.....	.....	.0
9-23	do	7.6	1.43	.....	10.8
1931					
5-14	A. E. Johnston	.....	.....	.....	0.0
6-2	do	5.7	1.14	.....	6.4
6-10	do	.....	.....	.....	.0
6-26	do	5.0	1.99	.....	11.0
7-9	do	.....	.....	.....	.0
7-19	do	5.2	1.46	2.00	8.0
7-29	do	4.0	1.16	1.40	5.0
8-5	do	6.0	1.45	1.50	8.9
8-12	do	4.2	1.35	1.52	6.0
8-19	do	5.3	1.47	1.40	8.0
9-4	do	4.0	1.33	1.45	5.0
9-19	do	4.2	1.64	1.50	7.0
1932					
10-1	A. E. Johnston	4.2	1.60	.....	7.0
10-10	do	4.0	1.61	1.70	7.1
10-24	do	.....	.....	.....	.0
11-2	do	.....	.....	.....	.0
4-4	do	.....	.....	.....	.0
4-11	do	4.2	1.30	1.60	5.5
4-19	do	4.4	1.50	1.70	6.6
5-9	do	5.0	2.48	1.80	12.5
5-11	do	6.8	1.27	1.60	8.7
5-20	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6-4	do	9.8	1.31	1.85	12.8
6-9	do	4.3	1.00	1.30	4.3
6-27	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-18	do	5.4	1.26	1.58	6.8
8-8	do	5.7	1.14	1.70	6.5
8-17	J. V. Ruzicka	3.0	.94	1.22	2.9
8-27	A. E. Johnston	5.8	1.22	1.74	7.1
9-10	do	7.1	1.16	1.75	8.3
9-24	do	6.6	1.22	1.75	8.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HOLLOWAY-PHELPS CANAL—D-717

Diverted from White Tail Creek—Sec. 36-15-38 W.
Measurements Made at Intake

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
6-26	A. E. Johnston	2.3	1.60	.....	3.7
7-18	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
1930					
7-11	A. E. Johnston	.....	.....	.....	0.0
7-17	do	5.0	2.44	.....	12.2
7-22	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0
8-4	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-11	do	4.5	2.72	.....	12.2
8-12	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
1931					
10-3	A. E. Johnston	.....	.....	.....	0.0
5-15	do	.....	.....	.....	.0
6-1	do	3.2	1.65	.....	5.3
6-9	do	.....	.....	.....	.0
6-25	do	3.0	1.92	.....	6.0
6-30	Johnston and Frame	3.4	2.20	0.83	8.0
7-8	A. E. Johnston	.2	.40	.32	.1
7-18	do	.4	1.12	.40	.4
8-4	do	2.0	1.27	.75	2.0
8-12	do	2.0	1.97	.82	4.0
8-19	do	3.0	1.68	.95	5.0
9-4	do	1.4	1.00	.89	1.4
9-18	do	1.2	.81	.85	1.0
1932					
10-1	A. E. Johnston	1.0	0.75	0.88	1.0
10-9	do	1.0	.85	.92	1.1
10-24	do	1.0	1.13	.95	1.1
10-31	do	.....	.....	.....	.0
4-11	do	.....	.....	.....	.0
4-18	do	.....	.....	.....	.0
5-11	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6-3	do	.....	.....	.....	.0
6-8	do	1.7	1.00	.70	1.7
6-25	do	.....	.....	.....	.0
7-7	do	1.4	1.00	.71	1.4
7-16	do	1.2	1.17	.68	1.4
8-6	do	.....	.....	.....	.0
8-13	J. V. Ruzicka	1.9	1.93	.71	3.6
8-27	A. E. Johnston	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HOME CANAL—A-65
Diverted from Whistle Creek—Sec. 13-28-54 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
4-10	Johnston and Rasmussen	2.1	0.33	.....	0.7

HOOPER CANAL—D-781
Diverted from Blue Creek—Sec. 6-16-42 W.
Measurements Made at Rating Flume

1929					
5-23	A. E. Johnston	.....	.....	.....	0.0
6-14	do	9.6	2.58	2.00	24.8
6-25	do	9.6	2.96	2.00	28.4
6-28	A. W. Hall	9.4	2.70	1.85	25.4
6-28	do	7.7	2.21	1.50	17.0
7-19	A. E. Johnston	3.0	.40	.60	1.3
8-8	A. W. Hall	10.9	2.81	2.00	30.7
1930					
10-4	A. E. Johnston	.....	.....	.....	0.0
6-3	do	3.5	1.43	.....	5.0
6-20	A. W. Hall	9.6	2.86	1.85	27.0
7-5	do	9.9	2.82	1.90	27.9
7-11	do	8.6	2.62	1.70	22.6
7-23	A. E. Johnston	6.0	1.69	1.15	10.1
7-31	A. W. Hall	7.5	2.45	1.70	18.3
8-9	do	8.2	2.59	1.60	21.2
8-19	do	3.8	.96	.75	3.7
8-28	A. E. Johnston	.....	.....	.....	.0
9-24	do	5.0	1.29	1.00	6.4
1931					
10-28	A. E. Johnston	.....	.....	.....	0.0
5-15	do	.....	.....	.....	.0
6-1	do	9.5	2.67	1.75	25.4
6-12	do	9.0	2.57	1.90	24.0
6-23	A. W. Hall	8.0	2.58	1.70	20.0
6-26	A. E. Johnston	8.0	2.05	1.50	16.0
7-5	J. V. Ruzicka	6.0	1.90	1.24	11.2
7-9	A. E. Johnston	6.0	1.86	1.21	11.2
7-19	do	11.0	2.63	2.10	28.0
7-27	do	4.0	1.12	.80	5.0
7-28	do	5.0	1.04	.80	5.0
8-5	do	8.0	2.26	1.51	17.0
8-11	do	7.0	1.90	1.20	12.4
8-20	do	7.0	2.41	1.45	17.0
9-5	do	7.0	1.96	1.35	14.0
9-19	do	7.0	2.02	1.40	14.1
9-30	do	8.0	2.15	1.50	16.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HOOPER CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1932					
10-23	A. E. Johnston	5.0	1.23	1.10	6.4
11-2	do	------	------	------	.0
4-9	do	------	------	------	.0
4-19	do	8.4	2.27	1.63	19.1
5-10	do	------	------	------	.0
5-20	do	4.0	1.15	.80	4.6
5-24	do	8.0	2.28	1.60	18.2
6-4	do	8.5	1.75	1.47	14.9
6-8	do	8.0	2.11	1.50	16.9
6-25	do	------	------	------	.0
7-6	do	7.5	2.20	1.45	16.5
7-16	do	6.5	2.05	1.26	13.3
7-27	J. V. Ruzicka	6.5	2.15	1.29	13.9
8-6	A. E. Johnston	6.5	2.10	1.23	13.7
8-10	J. V. Ruzicka	6.2	2.24	1.23	13.8
8-16	do	4.4	1.73	.88	7.7
8-26	A. E. Johnston	8.5	2.33	1.68	19.8
9-10	do	6.5	1.75	1.24	11.4
9-23	do	6.7	1.85	1.31	12.3

HOOVER CANAL—D-353

Diverted from Lodgepole Creek—Sec. 12-14-59 W.
Measurements Made at Intake

1929					
5-7	C. E. Franklin	------	------	------	0.0
5-23	do	------	------	------	.0
6-28	do	------	------	------	.0
7-8	do	5.4	0.41	------	2.2
9-17	do	------	------	------	.0
1930					
3-15	C. E. Franklin	------	------	------	0.0
4-24	do	------	------	------	.0
5-9	do	------	------	------	.0
5-24	do	------	------	------	.0
6-11	do	------	------	------	.0
6-28	do	6.0	0.66	------	3.9
7-18	do	4.0	.71	------	2.8
8-7	do	3.8	.65	------	2.4
8-23	do	------	------	------	.0
9-5	do	------	------	------	.0
9-19	do	------	------	------	.0
1931					
5-1	C. E. Franklin	------	------	------	0.0
5-20	do	------	------	------	.0
6-13	do	3.0	0.88	1.22	2.2
7-23	do	2.0	.70	------	1.4
8-16	do	3.0	.65	------	1.7
8-31	do	------	------	------	.0
9-24	do	------	------	------	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HOOVER CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
5-5	A. E. Johnston	.....	.....	.....	0.0
7-7	Hall and Hanna	4.0	0.75	.....	3.0
7-26	A. W. Hall	6.0	.45	.....	2.7
8-19	do	.....	.....	.....	.0
9-10	do	3.5	.40	.....	1.4

HORSE CREEK CANAL—D-159, D-173

Diverted from Horse Creek—Sec. 23-1-39 W.
Measurements Made below Intake

1929					
5-16	C. E. Franklin	.....	.....	.....	0.0
6-1	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
6-30	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-28	do	.....	.....	.....	.0
1930					
3-13	C. E. Franklin	.....	.....	.....	0.0
4-23	do	.....	.....	.....	.0
5-7	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
6-5	do	.....	.....	.....	.0
6-24	do	0.6	1.40	.....	.8
7-16	do	.4	.55	.....	.2
8-1	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
9-26	do	.....	.....	.....	.0
1931					
4-27	C. E. Franklin	.....	.....	.....	0.0
5-17	do	.....	.....	.....	.0
6-6	do	.....	.....	.....	.0
6-27	do	1.0	1.00	.....	1.2
7-10	do	.....	.....	.....	.0
7-30	do	1.0	1.47	.....	1.9
8-27	do	1.0	1.09	.....	1.2
9-12	do	1.0	.54	.....	.6
9-26	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HOWARD CANAL—D-336, A-1645
Diverted from Lodgepole Creek—Sec. 31-14-47 W.
Measurements Made 100 Feet below Intake

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-25	C. E. Franklin	—	—	—	0.0
6-26	do	—	—	—	.0
7-10	do	—	—	—	.0
9-15	do	—	—	—	.0
1930					
3-15	C. E. Franklin	—	—	—	.0
4-16	do	—	—	—	.0
4-30	do	—	—	—	.0
5-14	do	—	—	—	.0
6-19	do	—	—	—	.0
7-7	do	—	—	—	.0
7-26	do	—	—	—	.0
8-8	do	—	—	—	.0
9-6	do	—	—	—	.0
9-20	do	—	—	—	.0
1931					
5-4	C. E. Franklin	—	—	—	0.0
5-22	do	—	—	—	.0
6-17	do	—	—	—	.0
7-25	do	—	—	—	.0
8-21	do	—	—	—	.0
9-8	do	—	—	—	.0
9-25	do	—	—	—	.0
1932					
7-8	Hall and Hanna	—	—	—	0.0

HUGHES CANAL—D-987, A-53
Diverted from Niobrara River—Sec. 1-28-52 W.
Measurements Made at Intake

1929					
6-19	A. E. Johnston	2.6	0.23	—	0.6
1930					
10-9	A. E. Johnston	—	—	—	0.0
9-1	do	—	—	—	.0
1931					
10-1	A. E. Johnston	—	—	—	0.0
5-20	Johnston and Rasmussen	—	—	—	.0
6-18	do	—	—	0.10	.0
7-23	do	3.0	1.24	.90	3.6
1932					
6-23	A. E. Johnston	3.3	0.36	—	1.2
8-3	Johnston and Rasmussen	—	—	—	.0
8-24	A. E. Johnston	—	—	—	.0
9-21	do	—	—	—	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

HURLEY-LILLY-POLLY CANAL—D-354
Diverted from Lodgepole Creek—Sec. 26-15-56 W.
Measurements Made 300 Feet below Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-7	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-25	do	5.3	1.02	1.10	5.4
7-9	do	5.3	1.02	1.10	5.4
8-7	Hall and Hanna	4.7	.50	1.00	2.3
9-17	C. E. Franklin	1.4	.93	.....	1.3
1930					
3-14	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-9	do	4.8	0.79	.....	3.8
5-25	do	5.4	.63	.....	3.4
6-10	do	5.3	1.17	1.13	6.2
6-28	do	4.7	.98	1.05	4.6
8-7	do	3.5	.70	.....	3.8
8-23	do	.....	.....	.....	.0
9-5	do	4.0	.76	.....	3.0
9-19	do	6.6	.64	.....	4.2
1931					
5-1	C. E. Franklin	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-13	do	4.0	0.93	0.89	3.9
7-21	do	4.0	.40	1.04	1.5
8-16	do	7.0	.48	.....	3.1
9-1	do	5.0	.77	1.10	3.9
9-2	do	5.0	.38	.88	1.8
9-23	do	5.0	.83	.96	3.9
1932					
3-31	A. E. Johnston	3.8	1.05	0.80	4.0
5-5	do	.....	.....	.....	.0
6-3	A. W. Hall	.....	.....	.....	.0
7-7	Hall and Hanna	4.0	1.20	.92	4.8
7-27	A. W. Hall	4.5	1.11	1.00	5.0
8-19	do	4.8	1.08	1.02	5.2

ICKES CANAL—D-329
Diverted from Lodgepole Creek—Sec. 28-14-50 W.
Measurements Made at Intake

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-24	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-9	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ICKES CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1930					
3-4	C. E. Franklin	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.0
5-13	do	.....	.....	.....	.0
6-12	do	2.6	0.78	.....	2.0
7-17	do	.....	.....	.....	.0
8-5	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-4	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0
1931					
5-3	C. E. Franklin	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
7-24	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

IMPERIAL POWER CANAL—A-1474

Diverted from Frenchman River—Sec. 25-6-39 W.
Measurements Made in Head Race of Power Plant

1932					
7-10	A. W. Hall	34.3	1.67	7.25	57.6
8-6	do	35.0	1.93	8.50	67.7
9-14	do	39.2	1.34	.....	52.6

INDEPENDENT CANAL—D-343

Diverted from Lodgepole Creek—Sec. 7-14-58 W.
Measurements Made 70 Feet below Intake

1929					
5-7	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
1930					
3-15	C. E. Franklin	.....	.....	.....	0.0
5-9	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.3
6-28	do	2.1	0.76	.....	1.6
7-18	do	1.8	1.06	.....	1.9
8-7	do	2.1	.56	.....	1.2
8-23	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

INDEPENDENT CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-1	C. E. Franklin	.....	.....	.....	0.0
5-20	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7-23	do	2.0	0.42	.....	1.0
8-16	do	3.0	1.03	.....	2.8
9-1	do	3.0	.60	.....	1.5
9-24	do	.....	.....	.....	.0
1932					
6-2	A. W. Hall	.....	.....	.....	0.0
7-7	Hall and Hanna	.....	.....	0.34	2.0
7-26	A. W. Hall	1.7	0.70	.70	1.2
8-19	do	1.6	.94	.65	1.5
9-10	do	2.0	.95	.70	1.9

INMAN CANAL—D-79

Diverted from Frenchman River—Sec. 17-6-40 W.
Measurements Made at Rating Flume

1929					
5-11	C. E. Franklin	5.8	0.38	.....	2.2
5-29	do	10.9	.89	1.15	9.7
6-12	do	10.4	.39	.....	4.1
6-27	do	13.2	.48	.....	6.4
7-11	do	14.4	.51	.....	7.4
8-2	do	16.0	.16	.....	2.6
8-20	do	11.3	.61	.....	7.0
8-26	do	11.5	.80	.....	9.2
8-31	do	.....	.....	.....	.0
8-31	do	8.6	.43	.....	3.7
9-25	do	13.8	.89	.....	12.2
1930					
3-9	C. E. Franklin	.....	.....	.....	0.0
4-19	do	10.4	1.52	1.00	15.8
5-3	do	6.0	1.38	.....	8.3
5-22	do	8.2	1.47	.....	12.1
5-31	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-11	do	11.1	.62	.....	6.9
7-31	do	9.9	1.02	.....	10.1
8-9	do	8.5	.75	.....	6.4
8-29	do	9.6	.45	.....	4.3
9-11	do	8.0	.34	.....	2.7
9-21	do	11.4	.28	.....	3.2

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

INMAN CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
10-13	C. E. Franklin	8.4	0.18	.....	1.5
5-6	do	.....	.....	.....	.0
5-26	do	11.0	.83	.....	9.4
6-19	do	1.0	.62	.....	.5
7-9	do	14.0	.69	.....	10.0
7-27	do	.....	.....	.....	.0
7-31	do	9.0	.70	.....	6.4
8-21	do	.....	.....	.....	.0
8-23	do	11.0	.62	.....	7.0
9-8	do	.....	.....	.....	.0
9-10	do	11.0	.84	.....	9.2
1932					
10-5	C. E. Franklin	.....	.....	.....	0.0
11-18	A. E. Johnston	.....	.....	.....	.0
5-7	do	3.2	1.06	.....	3.4
6-17	A. W. Hall	9.8	.64	.....	6.3
7-9	do	.....	.....	.....	2.0
7-12	Hall and Korell	11.7	.40	.....	4.6
8-5	A. W. Hall	.....	.....	.....	.0
8-11	do	.....	.....	.....	.0
9-13	do	9.6	.40	.....	3.8

JOHNSON CANAL—A-612

Diverted from Lodgepole Creek—Sec. 23-13-45 W.
Measurements Made 600 Feet from Intake

1929					
5-29	C. E. Franklin	.....	.....	.....	0.0
6-27	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
5-30	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8-9	do	4.4	0.82	.....	3.6
8-21	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
8-23	A. E. Johnston	.....	.....	.....	0.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

JORDAN CANAL—A-841, A-1375

Diverted from Monroe Creek—Sec. 13-33-56 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
5-3	A. E. Johnston	1.4	0.79	.....	1.1
6-22	do	1.1	.82	.....	.9

KEARNEY CANAL—D-1023

Diverted from Platte River—Sec. 4-8-18 W.
Measurements Made at Rating Flume—Sec. 33-9-17 W.

1929					
1-8	A. E. Johnston	169.3	1.85	7.05	313.8
1-16	do	125.0	1.62	6.20	203.0
2-7	do	165.0	2.25	7.00	371.0
2-21	do	182.0	2.12	7.60	383.0
3-4	do	161.0	1.94	7.40	313.0
3-25	do	156.0	2.32	5.40	362.0
4-8	do	136.0	2.12	5.05	287.0
4-22	do	156.0	2.24	5.50	349.0
5-17	do	159.0	2.40	5.70	382.0
6-10	do	205.0	2.22	6.15	455.0
6-29	do	207.0	2.17	6.30	450.0
7-15	do	179.0	2.32	5.90	415.0
7-25	do	181.0	2.14	5.90	387.0
7-29	do	128.0	1.82	4.70	234.0
8-3	do	35.0	.34	2.65	12.1
8-4	do	37.0	.48	2.60	18.2
8-5	do	45.5	.74	2.85	34.1
8-6	do	56.4	.91	3.05	51.8
8-21	do	37.8	.92	2.70	35.0
8-22	do	37.8	.92	2.70	35.0
8-24	do	48.8	1.16	2.90	56.8
8-26	do	48.0	1.20	2.90	58.0
8-31	do	52.3	1.23	3.00	65.0
9-2	do	53.0	1.32	3.15	69.2
9-30	do	171.0	2.32	5.95	399.0
1930					
10-28	A. E. Johnston	166.0	2.34	5.85	388.0
11-18	do	121.0	2.04	5.00	247.0
11-26	do	.....	.....	6.50	.....
12-10	do	163.0	2.40	5.75	391.0
1-4	do	.....	.....	.....	*
1-28	do	.....	.....	.....	248.0
2-6	do	.....	.....	.....	.0
3-7	do	124.0	2.20	5.00	273.0
4-4	do	134.0	2.06	5.10	276.0
4-22	do	171.0	2.38	5.90	407.0
5-5	do	183.0	2.38	6.10	434.0
5-21	do	173.0	2.20	5.90	380.0
6-9	do	.....	.....	.....	.0
6-23	do	158.4	2.18	5.50	344.9

*Ice

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

KEARNEY CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
7-2	A. E. Johnston	111.4	2.05	4.70	229.0
7-8	do	39.1	.60	3.05	23.5
7-15	do	22.5	1.06	2.60	23.7
7-16	do	23.7	1.10	2.63	26.0
7-20	do	18.2	.77	2.42	14.1
7-22	do	34.4	1.03	2.95	47.6
7-30	do	31.0	1.29	2.80	40.0
8-14	do	47.1	1.47	3.18	69.2
8-21	do	75.0	1.43	3.70	107.7
9-18	do	159.2	2.14	5.62	341.4
1931					
10-7	A. E. Johnston	152.6	2.17	5.55	331.3
10-22	do	151.2	2.24	5.53	339.9
11-13	do	168.0	2.21	5.75	370.7
11-26	do	144.0	1.74	5.00	250.0
12-11	do	126.7	1.95	4.90	247.0
1-5	do	194.0	2.07	6.70	402.0
2-9	do	163.0	2.26	5.50	358.0
3-25	do	199.0	1.61	5.55	322.0
5-11	do	164.0	2.11	5.62	347.0
6-3	Johnston and Wyant	82.6	1.62	3.95	134.0
6-6	A. E. Johnston	105.0	1.83	4.40	192.0
6-8	do	158.0	2.25	5.90	356.0
6-23	do	87.0	1.76	4.15	153.0
7-2	do	16.0	.85	2.52	13.0
7-3	do	17.0	.88	2.55	15.0
7-6	do	43.0	1.22	3.12	52.0
7-12	do	20.0	.72	2.65	15.0
7-13	do	20.0	.97	——	19.0
7-15	do	15.0	.86	2.48	13.0
7-16	do	16.0	.92	2.52	15.0
7-31	do	.....	.....	2.20	3.0
8-3	do	3.0	.66	2.18	2.0
8-15	do	.....	.....	——	.0
9-15	do	34.0	1.34	2.90	46.0
9-16	do	39.0	1.24	2.94	48.0
1932					
10-6	A. E. Johnston	42.0	1.26	3.03	53.0
10-28	do	165.0	2.02	5.75	333.0
11-27	do	162.0	1.78	5.65	289.0
12-19	do	152.0	2.11	5.40	322.0
1-5	do	128.0	1.49	4.70	191.0
1-20	do	199.0	1.06	——	212.0
2-15	do	189.0	1.87	6.60	366.5
3-14	do	134.0	2.28	5.74	305.0
4-14	do	191.0	1.98	6.25	379.0
5-16	do	189.0	2.34	6.30	441.0
5-28	do	165.0	2.13	5.30	352.0
5-31	do	247.0	2.46	7.20	607.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

KEARNEY CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
6-11	A. E. Johnston	165.0	2.24	5.50	371.0
7-1	do	198.0	2.12	5.55	420.0
7-12	do	43.0	1.15	3.05	49.0
7-21	do	42.0	.88	2.88	36.0
7-22	do	29.0	.98	2.78	28.0
8-11	do	80.0	1.74	3.90	138.0
9-1	do	50.0	1.92	3.45	97.0
9-6	do	59.0	1.41	3.32	83.0
9-28	do	136.5	2.32	5.14	316.7

KEITH-LINCOLN COUNTY CANAL—D-722
Diverted from North Platte River—Sec. 18-14-36 W.
Measurements Made at Rating Flume

1929					
4-25	A. E. Johnston	.....	.....	.....	0.0
5-21	do	21.8	2.78	0.70	60.5
6-13	do	18.8	2.20	.60	41.5
6-27	do	45.1	3.29	1.40	148.0
7-18	do	44.0	3.21	1.45	141.4
7-24	do	39.0	3.31	1.30	129.1
7-31	do	45.0	3.17	1.50	142.0
8-13	do	45.0	3.24	1.50	145.8
8-28	do	36.0	2.94	1.20	106.0
9-5	do	42.0	3.07	1.40	129.0
1930					
10-2	A. E. Johnston	45.0	3.00	1.50	135.0
4-18	do	21.6	1.60	.60	34.6
5-8	do	12.0	1.46	.40	17.5
6-5	do	27.0	2.53	.90	68.0
6-30	do	33.0	2.50	1.10	82.4
7-5	do	27.0	2.23	.90	60.2
7-10	do	30.0	2.52	1.00	75.5
7-14	do	27.0	2.47	.90	66.8
7-17	do	33.0	2.46	1.10	81.2
7-22	do	36.0	2.56	1.20	92.1
7-26	do	30.0	2.71	1.00	81.3
8-1	do	24.0	2.39	.80	57.4
8-2	do	39.0	2.73	1.30	106.5
8-4	do	36.0	2.50	1.20	90.1
8-6	do	33.0	2.32	1.10	76.5
8-12	do	45.0	2.30	1.50	103.6
8-26	do	30.0	2.14	1.00	64.1
9-22	do	30.0	2.25	1.00	67.3
1931					
10-3	A. E. Johnston	30.0	2.31	1.00	69.3
10-27	do	.....	.....	.....	.0
5-14	do	18.0	1.62	.60	29.0
6-2	do	33.0	1.10	1.10	79.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

KEITH-LINCOLN COUNTY CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
6-9	A. E. Johnston	42.0	2.18	1.40	92.0
6-25	do	36.0	2.20	1.20	79.0
6-29	do	27.0	1.98	.90	53.0
7-8	do	36.0	2.28	1.20	82.1
7-18	do	39.0	2.15	1.27	84.0
7-28	do	——	.....	.....	.0
7-30	do	12.0	1.32	.40	16.4
8-4	do	36.0	2.27	1.20	82.0
8-13	do	42.0	2.45	1.40	103.0
8-18	do	33.0	2.17	1.10	72.0
9-3	do	39.0	2.43	1.30	95.0
9-18	do	33.0	2.21	1.10	73.0
1932					
10-2	A. E. Johnston	34.0	2.16	1.10	73.1
10-9	do	30.0	1.96	1.00	59.4
10-24	do	15.0	1.18	.50	18.0
10-31	do	18.0	1.06	.62	19.2
4-11	do	31.0	2.20	1.00	68.2
4-18	do	36.0	2.50	1.20	89.6
5-12	do	24.0	2.20	.85	53.2
5-19	do	26.0	2.10	.80	54.2
5-26	do	30.0	2.10	1.00	62.9
6-3	do	40.0	2.20	1.30	88.4
6-9	do	38.0	2.37	1.20	89.3
6-27	do	17.0	1.30	.55	22.6
7-8	do	39.0	2.26	1.30	89.7
7-18	do	43.0	2.31	1.42	99.7
7-26	J. V. Ruzicka	58.0	2.62	1.99	152.8
8-8	A. E. Johnston	39.0	2.38	1.28	94.4
8-19	J. V. Ruzicka	35.0	2.27	1.18	79.7
8-29	A. E. Johnston	39.0	2.28	1.28	89.0
9-9	do	33.0	2.16	1.08	71.2
9-24	do	29.0	1.95	1.00	57.2

KENT-BURKE CANAL—D-636
Diverted from Pawnee Creek—Sec. 13-13-28 W.
Measurements Made below Headgate

1929					
6-28	A. E. Johnston	——	——	——	0.0
7-17	do	2.4	0.50	0.60	1.2
1930					
6-24	A. E. Johnston	——	——	——	0.0
7-3	do	——	——	——	.0
7-7	do	——	——	——	.0
7-19	do	——	——	——	.0
7-29	do	——	——	——	.0
8-22	do	——	——	——	.0
9-19	do	1.8	0.66	0.60	1.2

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

KENT-BURKE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-7	A. E. Johnston	.....	.....	.....	0.0
10-24	do	.....	.....	.....	.0
6-24	do	0.4	0.40	0.05	.2
7-1	do	1.4	1.28	.15	2.0
7-7	do	2.0	1.61	.40	3.0
7-14	do	2.0	1.50	.45	3.0
7-17	do	2.2	1.35	.50	3.0
7-31	do	2.0	1.37	.40	2.4
8-14	do	.....	.....	.05	.1
9-1	do	.....	.....	.....	.3
1932					
10-5	A. E. Johnston	1.0	0.52	0.10	0.2
10-27	do	.....	.....	.10	1.0
4-13	do	.....	.....	.....	.0
5-17	do	.....	.....	.....	.0
6-1	do	.....	.....	.....	.0
6-29	do	.....	.....	.....	.0
7-11	do	.....	.....	.....	.0
7-20	do	1.1	.27	.20	.3
8-10	do	1.0	.48	.30	.5
8-31	do	1.5	1.47	.60	2.2
9-27	do	1.0	1.30	.50	1.3

KEYSTONE CANAL—A-662b, A-843, A-1003
Diverted from White Tail Creek—Sec. 26-15-38 W.
Measurements Made at Rating Flume, 300 Yards below Headgate

1929					
5-21	A. E. Johnston	.....	.....	.....	0.0
6-13	do	8.3	1.02	2.70	8.5
6-26	do	9.6	1.37	2.90	13.2
7-18	do	12.7	1.19	.....	15.2
9-5	do	.....	.....	.....	.0
1930					
10-3	A. E. Johnston	8.0	0.43	.....	3.0
4-17	do	.....	.....	.....	.0
7-11	do	12.6	1.18	1.80	14.8
7-17	do	7.2	1.24	1.17	8.9
7-22	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-2	do	10.8	1.27	1.68	13.8
8-4	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-12	do	10.9	1.32	1.62	14.3
8-27	do	9.4	1.13	1.45	10.5
9-23	do	11.4	1.01	1.63	11.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

KEYSTONE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-3	A. E. Johnston	10.6	1.03	1.70	10.8
10-27	do	.....	.....	.....	.0
11-8	do	.....	.....	.....	.5
5-15	do	.....	.....	.....	.0
6-1	do	9.3	1.18	1.42	11.0
6-9	do	9.0	1.12	1.60	10.0
6-25	do	9.0	1.35	1.50	12.0
7-8	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-4	do	9.0	1.01	1.45	9.0
8-12	do	7.0	1.14	1.30	8.0
8-19	do	6.0	1.02	1.22	6.0
9-4	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0
1932					
10-1	A. E. Johnston	10.0	1.05	1.72	10.1
10-9	do	9.0	1.02	.....	9.0
10-24	do	8.0	1.08	1.60	9.1
10-31	do	.....	.....	.....	.0
4-11	do	.....	.....	.....	.0
4-18	do	.....	.....	.....	.0
5-11	do	.....	.....	.....	.0
5-20	do	10.7	.83	1.14	8.9
5-25	do	10.9	.90	2.18	9.9
6-3	do	9.1	.99	1.30	9.0
6-8	do	7.7	.92	1.00	7.1
6-25	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-16	do	.....	.....	1.80	.0
8-6	do	3.5	1.03	1.73	3.6
8-9	do	3.5	.90	1.76	3.1
8-27	do	5.3	.85	1.10	4.5
9-24	do	3.4	1.26	1.85	4.3

KILPATRICK RESERVOIR (INTAKE CANAL)—A-1108
Diverted from Frenchman River—Sec. 23-6-40 W.

1930					
1-2	C. E. Franklin	.....	.....	.....	0.0
2-3	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	16.0
3-9	do	.....	.....	.....	10.0
3-21	do	.....	.....	.....	.0
4-19	do	.....	.....	.....	6.8
5-3	do	.....	.....	.....	6.8
5-16	do	.....	.....	.....	3.9
5-31	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	7.3
7-11	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

KILPATRICK RESERVOIR (INTAKE CANAL)—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
8-29	C. E. Franklin	—	—	—	7.2
9-11	do	—	—	—	9.2
9-21	do	—	—	—	4.4
1931					
10-29	C. E. Franklin	—	—	—	2.5
11-12	do	—	—	—	10.1
9-10	do	—	—	—	.0
1932					
10-5	C. E. Franklin	—	—	—	1.9

KIMBALL CANAL—A-897

Diverted from Lodgepole Creek and Kimball Reservoir—Sec. 36-15-57 W.

1929					
5-8	C. E. Franklin	—	—	—	0.0
5-23	do	—	—	—	.0
6-25	do	51.2	1.22	—	62.3
7-8	do	45.8	1.13	—	52.0
9-17	do	—	—	—	.0
1930					
3-14	C. E. Franklin	—	—	—	0.0
4-24	do	—	—	—	.0
5-9	do	39.0	0.69	—	27.0
5-25	do	35.0	.59	—	21.0
6-11	do	51.0	.75	3.10	38.0
6-28	do	48.4	1.43	3.00	69.3
7-18	do	47.0	.95	2.80	44.8
8-7	do	—	—	—	.0
8-23	do	—	—	—	.0
9-5	do	40.4	1.98	2.70	79.0
9-19	do	35.6	1.31	—	46.6
1931					
10-9	C. E. Franklin	—	—	—	0.0
5-1	do	—	—	—	.0
5-20	do	—	—	—	.0
6-13	do	25.0	0.39	1.45	9.8
7-23	do	52.0	.91	3.40	47.8
8-16	do	42.0	1.28	2.70	53.2
9-1	do	—	—	—	.0
9-24	do	—	—	—	.0
1932					
5-5	A. E. Johnston	—	—	—	0.0
6-3	A. W. Hall	—	—	—	.0
7-7	Hall and Hanna	15.6	1.15	—	17.9
7-27	A. W. Hall	10.8	1.41	—	15.2
8-19	do	11.8	1.49	—	17.6
9-10	do	—	—	—	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

KIMBALL CANAL, SOUTH SIDE—A-897

Diverted from Lodgepole Creek and Kimball Reservoir—Sec. 36-15-57 W.

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
7-7	Hall and Hanna	8.5	2.21	.....	18.8
7-27	A. W. Hall	12.8	2.52	3.00	32.4
8-19	do	12.9	2.44	.....	31.5
9-10	do	.....	.....	.....	.0

KING CANAL—A-1440

Diverted from Lawrence Fork—Sec. 15-18-52 W.
Measurements Made at Headgate

1930					
8-22	A. W. Hall	.....	.....	.....	0.0
1931					
7-16	A. W. Hall	2.0	1.05	1.25	2.1
9-17	do	2.0	1.54	1.35	3.7

KINNEY CANAL—D-348, A-718

Diverted from Lodgepole Creek—Sec. 33-15-56 W.
Measurements Made 1000 Feet below Intake

1929					
5-7	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-8	do	2.2	0.79	.....	1.8
8-7	Hall and Hanna	5.2	.45	1.30	2.3
9-17	C E. Franklin	.....	.....	.....	.0
1930					
3-14	C. E. Franklin	.....	.....	.....	0.0
4-24	do	2.4	0.87	.....	2.1
5-9	do	1.2	.20	.....	.2
5-25	do	.....	.....	.....	.0
6-11	do	1.6	1.16	.....	1.8
6-28	do	2.4	.66	.....	1.5
7-18	do	2.6	.47	0.36	1.2
7-25	do	4.2	.67	1.08	2.8
7-25	do	5.2	.87	1.33	4.5
7-25	do	4.0	.34	1.06	1.3
7-25	do	4.4	.65	1.10	2.8
8-7	do	2.4	.58	.....	1.4
8-23	do	.....	.....	.....	.3
9-5	do	1.6	.44	.....	.7
9-19	do	.....	.....	.....	.3
1931					
5-1	C. E. Franklin	.....	.....	.....	0.0
5-20	do	2.3	0.34	.....	.7
6-13	do	.....	.....	.....	.0
7-23	do	2.0	.50	.....	.9
8-16	do	.....	.....	.....	.0
9-1	do	.....	.....	.....	.0
9-23	do	3.0	.64	.....	1.8

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

KINNEY CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
6-2	A. W. Hall	3.7	1.13	0.96	4.2
7-7	do	5.1	.73	1.28	3.7
7-27	do	4.2	.43	1.10	1.8
8-19	do	4.5	.78	1.20	3.5
9-10	do	4.5	.55	1.19	2.5

KRUEGER CANAL NO. 1—D-325
Diverted from Lodgepole Creek—Sec. 29-14-48 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	2.9	1.10	——	3.2
5-25	do	4.7	.94	——	4.4
6-26	do	3.3	1.45	——	3.2
7-10	do	3.8	1.05	——	4.0
9-15	do	1.8	1.11	——	2.0
1930					
3-5	C. E. Franklin	——	——	——	0.0
4-16	do	——	——	——	.0
4-30	do	——	——	——	.0
5-14	do	——	——	——	.0
6-4	do	5.2	1.07	——	5.5
7-7	do	——	——	——	.0
7-26	do	——	——	——	3.0
8-8	do	——	——	——	.0
9-3	do	——	——	——	.0
9-20	do	——	——	——	.0
1931					
5-4	C. E. Franklin	6.0	1.27	——	7.6
5-22	do	5.6	.97	——	5.4
6-17	do	——	——	——	4.4
7-25	do	——	——	——	.0
8-20	do	——	——	——	.0
9-8	do	2.0	.96	——	2.3
9-25	do	3.0	.96	——	2.5
1932					
11-17	A. E. Johnston	4.0	0.71	——	2.9
6-9	A. W. Hall	——	——	——	1.5
6-10	Hall and Gardner	——	——	——	.0
6-21	A. W. Hall	——	——	——	2.1
6-21	do	——	——	——	3.1
7-8	Hall and Gardner	——	——	——	.0
8-18	A. W. Hall	——	——	——	1.5

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

KRUEGER CANAL NO. 2—D-324
Diverted from Lodgepole Creek—Sec. 32-14-48 W.
Measurements Made at Headgate

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
5-10	C. E. Franklin	9.2	1.63	.....	15.0
5-25	do	2.2	1.09	.....	2.4
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-16	do	.....	.....	.....	.0
4-30	do	7.0	0.97	.....	6.8
5-14	do	2.4	2.91	.....	7.0
6-17	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-3	do	3.9	1.01	.....	3.9
9-20	do	.....	.....	.....	.0
1931					
5-4	C. E. Franklin	.....	.....	.....	0.0
5-22	do	2.0	1.14	.....	2.2
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

KRUEGER CANAL NO. 3—D-323
Diverted from Lodgepole Creek—Sec. 32-14-48 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-25	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-15	do	2.3	0.65	.....	1.5
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-16	do	.....	.....	.....	.0
4-30	do	5.9	1.02	.....	6.0
5-14	do	6.4	.70	.....	4.5
6-17	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-30	do	2.7	.40	.....	1.1
8-8	do	.8	1.68	.....	1.3
9-3	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

KRUEGER CANAL NO. 3—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-4	C. E. Franklin	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	3.0	0.63	.....	1.9
8-20	do	4.0	.89	.....	3.1
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
5-6	A. E. Johnston	4.8	1.00	.....	4.8
6-9	Hall and Willis	.....	.....	.....	.0
6-10	A. W. Hall	3.1	.78	.....	2.4

LaBELLE CANAL—D-518, A-60
Diverted from Niobrara River—Sec. 6-28-54 W.
Measurements Made at Headgate

1929					
6-19	A. E. Johnston	.....	.....	.....	7.0
1930					
10-9	A. E. Johnston	5.0	5.36	.....	24.0
9-2	do	.....	.....	.....	.0
1931					
10-1	A. E. Johnston	4.8	1.96	.....	9.4
5-20	do	3.7	3.29	.....	12.3
6-18	Johnston and Rasmussen	2.0	2.54	0.64	6.1
7-23	do	1.0	.92	.15	1.2
1932					
6-23	A. E. Johnston	.....	.....	.....	0.0
8-3	Johnston and Rasmussen	2.5	3.15	0.65	7.9
8-24	A. E. Johnston	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0

LAKOTAH CANAL—D-554
Diverted from Niobrara River—Sec. 1-30-57 W.
Measurements Made at Headgate

1929					
6-19	A. E. Johnston	.....	.....	.....	6.8
1930					
9-2	A. E. Johnston	11.6	0.82	.....	10.3
9-30	do	10.0	.79	.....	7.9
1931					
10-31	A. E. Johnston	10.0	0.86	.....	8.6
5-20	Johnston and Rasmussen	10.0	.84	.....	8.4
6-17	A. E. Johnston	13.0	.43	.....	5.6
7-23	Johnston and Rasmussen	1.0	.37	.....	.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

LAKOTAH CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
6-21	A. E. Johnston	11.1	0.58	.....	6.4
8-3	Johnston and Rasmussen	7.6	.38	.....	2.9
8-23	A. E. Johnston	6.4	.27	.....	1.7
9-20	do	6.0	.37	.....	2.2

LAMORE CANAL—A-327

Diverted from North Platte River—Sec. 34-19-48 W.
Measurements Made at Intake

1929					
5-24	A. E. Johnston	.....	.....	.....	0.0
8-13	C. E. Franklin	.....	.....	.....	.0
1930					
6-20	A. W. Hall	.....	.....	.....	0.0
7-5	do	.....	.....	.....	.0
1931					
5-30	A. E. Johnston	.....	.....	.....	0.0
6-13	do	.....	.....	.....	.0
8-10	do	.....	.....	.....	.0

LAST CHANCE CANAL—D-883

Diverted from Pumpkinseed Creek—Sec. 27-19-50 W.
Measurements Made at Rating Flume

1929					
5-24	A. W. Hall	.....	.....	.....	0.0
1930					
5-20	A. W. Hall	6.0	0.99	0.95	5.9
7-23	do	.....	.....	.....	.0
8-8	do	2.3	.85	1.02	1.9
1931					
6-1	A. W. Hall	6.5	1.55	0.60	10.0
6-11	do	1.0	.46	.00	.4
6-16	do	8.0	1.45	.90	12.0
7-3	do	.....	.....	.....	.0
7-6	do	.....	.....	.....	.0
7-14	do	9.2	.90	.85	8.3
8-25	A. E. Johnston	11.0	.78	1.10	8.4
1932					
11-10	A. E. Johnston	.....	.....	.....	0.0
2-24	do	6.0	2.12	1.00	12.7
4-21	do	1.5	1.13	.05	1.7
5-16	Hall and LeFever	5.0	.....	.84	7.5
6-1	F. F. LeFever	1.0	.....	.20	.7
7-9	do	3.0	1.80	.69	5.4
7-25	do	.....	.....	.20	.5
8-1	do	3.0	1.10	.60	3.3
9-15	do	1.0	.94	.26	.9

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

LIBBY CANAL NO. 1—D-312
Diverted from Lodgepole Creek—Sec. 36-14-47 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-28	C. E. Franklin	.....	.....	.....	0.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-16	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-18	do	1.2	1.93	.....	2.3
7-8	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	1.8	1.44	.....	2.6
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
8-12	A. W. Hall	.....	.....	.....	0.0

LIBBY CANAL NO. 2—D-312
Diverted from Lodgepole Creek—Sec. 36-14-47 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	.....	.....	.....	0.0
6-26	do	0.9	0.60	.....	.5
7-10	do	.....	.....	.....	.0
9-15	do	1.8	.95	.....	1.7
1930					
4-16	C. E. Franklin	.....	.....	.....	0.0
4-30	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

LIBBY CANAL NO. 2—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-5	C. E. Franklin	----	----	----	0.0
5-23	do	----	----	----	.0
6-17	do	----	----	----	.0
8-21	do	----	----	----	.0
9-8	do	----	----	----	.0
9-25	do	----	----	----	.0

LIBBY CANAL NO. 3—D-315

Diverted from Lodgepole Creek—Sec. 36-14-47 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	----	----	----	0.0
6-26	do	----	----	----	.2
7-10	do	0.4	0.85	----	.3
1930					
3-5	C. E. Franklin	----	----	----	0.0
4-16	do	----	----	----	.0
4-30	do	----	----	----	.0
5-14	do	----	----	----	.0
6-18	do	0.6	1.02	----	.6
7-8	do	----	----	----	.0
7-26	do	1.4	.71	----	1.0
8-8	do	----	----	----	.0
9-6	do	----	----	----	.0
9-20	do	----	----	----	.0
1931					
5-5	C. E. Franklin	----	----	----	0.0
5-23	do	----	----	----	.0
6-17	do	----	----	----	.0
7-25	do	----	----	----	.0
8-21	do	----	----	----	.0
9-8	do	----	----	----	.0
9-25	do	----	----	----	.0

LICHTE CANAL—D-479

Diverted from Niobrara River—Sec. 27-29-48 W.
Measurements Made at Headgate

1929					
4-30	A. E. Johnston	----	----	----	0.0
5-27	do	6.3	1.59	0.90	10.0
6-18	do	----	----	----	11.0
6-21	do	----	----	.80	9.2
9-10	do	----	----	----	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

LICHTE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
10-9	A. E. Johnston	.....	.....	.....	0.0
5-13	do	.....	.....	.....	.0
9-27	do	.....	.....	.....	.0
1931					
5-19	A. E. Johnston	.....	.....	.....	0.0
5-27	do	.....	.....	.....	.0
6-15	do	9.0	2.16	1.10	19.7
6-21	do	7.0	2.10	.85	14.7
7-21	do	8.0	1.92	.90	14.8
7-24	do	6.0	1.92	.60	12.3
8-6	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
9-26	do	7.0	1.87	.82	13.1
1932					
10-14	A. E. Johnston	7.0	1.98	0.80	13.9
10-20	do	6.0	1.83	.72	11.4
11-9	do	.....	.....	.....	.0
5-4	do	8.4	2.24	1.05	18.8
6-23	do	10.5	1.27	.....	13.3
8-4	do	.....	.....	.....	.0
8-24	do	5.3	1.68	.....	8.9
9-21	do	3.3	1.45	.....	4.8

LISCO CANAL—D-787, D-856, A-243, A-991
Diverted from North Platte River—Sec. 14-18-47 W.
Measurements Made at Control Gage

1929					
4-27	A. E. Johnston	.....	.....	.....	0.0
5-24	do	.....	.....	.....	.0
6-15	do	35.2	1.76	2.20	62.0
6-24	do	50.6	1.47	2.90	74.4
6-29	A. W. Hall	50.0	1.24	2.93	62.3
7-20	A. E. Johnston	30.9	1.51	1.70	46.7
7-22	do	39.8	1.61	2.20	64.4
7-26	A. W. Hall	41.0	1.72	2.14	70.5
8-2	do	.....	.....	.....	.0
8-9	do	53.4	1.67	2.90	89.5
8-13	C. E. Franklin	50.4	1.82	2.65	92.0
8-28	A. W. Hall	41.6	1.14	2.20	48.0
9-20	do	24.6	1.61	1.23	39.7
1930					
10-5	A. E. Johnston	.....	.....	.....	30.0
7-10	A. W. Hall	1.6	1.38	.....	2.2
7-16	do	5.0	.52	.....	2.6
8-20	do	3.8	.77	.....	2.9

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

LISCO CANAL—D-787, D-856, A-243, A-991
Diverted from North Platte River—Sec. 14-18-47 W.
Measurements Made at 40 Foot Weir

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
4-15	A. E. Johnston	.....	.....	.....	0.0
5-10	do	.....	.....	.....	.0
6-2	do	.....	.....	.....	.0
6-18	do	.....	.....	0.40	34.0
7-5	do	.....	.....	.70	79.0
7-10	do	.....	.....	.80	96.0
7-16	do	.....	.....	.33	26.0
8-3	do	.....	.....	.45	25.0
8-9	do	.....	.....	.33	26.0
8-19	do	.....	.....	.50	47.6
8-29	do	.....	.....	.30	22.0
9-26	do	.....	.....	.25	17.0
1931					
10-9	A. E. Johnston	.....	.....	.....	0.0
5-16	do	.....	.....	0.45	40.6
5-30	do	.....	.....	.....	.0
6-12	do	.....	.....	.60	65.0
6-27	do	.....	.....	.55	55.0
7-10	do	14.0	2.00	.35	28.0
7-20	do	12.0	1.83	.30	22.0
8-10	do	24.0	2.58	.60	63.0
8-21	do	14.0	2.00	.35	28.0
9-6	do	13.0	1.91	.32	24.4
9-21	do	18.0	2.22	.45	41.0
9-28	do	12.4	1.86	.31	23.0
1932					
10-12	A. E. Johnston	6.0	1.33	0.15	8.0
10-22	do	10.0	1.68	.25	17.0
11-3	do	.....	.....	.....	.0
4-8	do	.....	.....	.....	.0
4-20	do	.....	.....	.30	22.1
5-10	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	34.1
5-23	do	.....	.....	.....	34.1
6-6	do	.....	.....	.....	55.7
6-7	Johnston and Follansbee	.....	.....	.....	54.9
6-15	A. E. Johnston	.....	.....	.35	27.9
8-5	do	.....	.....	.55	54.9
8-25	do	.....	.....	.53	48.8
9-12	do	.....	.....	.40	34.1
9-22	do	.....	.....	.30	22.1

LOGAN CANAL—D-902
Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.
Measurements Made at Intake

1929					
7-6	C. E. Franklin	.....	.....	.....	0.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

LOGAN CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
4-25	C. E. Franklin	5.2	1.25	——	6.5
6-10	do	——	——	——	.0
6-27	do	——	——	——	.0
7-30	do	3.0	.63	1.00	1.9
1931					
6-9	A. W. Hall	——	——	——	0.0
7-3	do	——	——	1.05	2.0
1932					
7-9	F. F. LeFever	5.0	0.28	0.72	1.4

LUNDY POWER CANAL—D-1024, A-1224, A-1300, A-1306, A-1307
Diverted from Middle Loup River—Sec. 4-19-19 W.
Measurements Made below Headgate

1929					
7-2	A. E. Johnston	——	——	——	0.0
9-26	do	——	——	——	.0
1930					
	A. E. Johnston	——	——	——	0.0
10-25	do	——	——	——	.0
11-25	do	——	——	——	.0
12-9	do	——	——	——	.0
1-29	do	——	——	——	.0
5-2	do	104.0	3.32	——	346.0
5-14	do	104.0	3.25	——	338.0
8-15	do	101.0	3.32	——	337.0
1931					
10-9	A. E. Johnston	107.0	3.30	——	353.0
11-15	do	——	——	——	.0
12-13	do	104.0	3.78	——	393.0
1932					
2-5	A. E. Johnston	——	——	——	0.0
3-23	do	109.0	3.36	——	366.0

LYNGHOLM CANAL—D-337
Diverted from Lodgepole Creek—Sec. 14-14-51 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	——	——	——	0.0
5-24	do	1.2	3.16	——	3.8
6-26	do	4.0	1.75	——	.7
7-9	do	——	——	0.25	.2
9-14	do	——	——	——	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

LYNGHOLM CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
3-4	C. E. Franklin	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
4-29	do	1.2	2.17	.....	2.6
5-13	do	.....	.....	.....	.0
6-12	do	.9	2.09	.....	2.0
7-17	do	.7	1.14	0.50	.8
8-5	do	1.0	1.00	.....	1.0
8-22	do	1.6	1.37	.....	2.2
9-4	do	.....	.....	.....	.0
1931					
5-3	C. E. Franklin	.....	.....	.....	0.0
5-21	do	1.0	1.00	0.60	1.0
6-15	do	.2	.77	.33	.2
7-24	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-5	do	.3	.30	.....	.1
9-25	do	.....	.....	.....	.5

LYONS CANAL—D-803

Diverted from North Platte River—Sec. 30-17-44 W.
Measurements Made at Rating Flume

1929					
5-23	A. E. Johnston	.....	.....	.....	0.0
6-24	do	27.6	0.53	2.50	14.7
8-2	A. W. Hall	18.7	1.08	1.85	20.2
8-14	C. E. Franklin	26.4	.26	1.40	7.0
1930					
10-4	A. E. Johnston	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
6-3	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-5	do	.....	.....	.....	.5
7-11	do	1.6	1.25	0.20	2.0
7-15	do	.....	.....	.....	.0
7-24	do	17.6	.70	1.65	12.3
8-3	do	3.0	.20	1.20	.6
8-9	do	3.5	.13	1.32	.4
8-19	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
9-24	do	11.4	1.21	1.50	13.8
1931					
10-29	A. E. Johnston	.....	.....	.....	0.0
5-16	do	.....	.....	.....	.0
5-30	do	8.1	1.08	.....	8.7
6-12	do	5.0	1.01	1.20	5.0
6-22	A. W. Hall	20.0	.63	2.01	13.0
6-24	J. V. Ruzicka	25.0	.45	2.30	11.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

LYONS CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
6-27	A. E. Johnston	23.0	.57	2.25	13.3
7-10	do	.....	.....	1.75	5.0
7-20	do	.....	.....	.....	.0
8-10	do	19.0	1.17	3.00	22.3
8-21	do	4.3	.82	1.00	4.0
9-6	do	.....	.....	.....	.0
9-21	do	17.0	1.46	.....	24.3
9-29	do	7.0	.82	.....	5.3
1932					
10-12	A. E. Johnston	.....	.....	.....	2.0
10-22	do	.....	.....	.....	1.0
11-3	do	.....	.....	.....	.0
4-20	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6-6	do	16.4	0.72	1.50	11.9
7-6	do	23.2	1.13	1.81	26.0
7-15	do	15.6	1.12	1.25	17.5
8-5	do	8.7	1.54	.70	13.4
8-10	J. V. Ruzicka	8.6	.88	.87	7.5
8-16	do	6.9	1.42	.64	9.9
8-26	A. E. Johnston	8.5	1.46	.65	12.4
9-22	do	10.1	1.35	.80	13.6

McAULIFFE CANAL—D-814
Diverted from Lodgepole Creek—Sec. 21-13-45 W.
Measurements Made at Headgate

1930					
4-17	C. E. Franklin	.....	.....	.....	0.0
5-30	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
6-17	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

McAULIFFE CANAL—A-1559
Diverted from Lodgepole Creek—Sec. 21-13-45 W.
Measurements Made at Headgate

1929					
	C. E. Franklin	.....	.....	.....	0.0
6-26	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

McAULIFFE CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
7-10	C. E. Franklin	----	----	----	.0
9-16	do	----	----	----	.0
1930					
3-7	C. E. Franklin	----	----	----	0.0
5-1	do	----	----	----	.0
8-9	do	----	----	----	.0
8-21	do	----	----	----	.0
1931					
5-23	C. E. Franklin	----	----	----	0.0
7-18	do	----	----	----	.0
8-21	do	----	----	----	.0
9-8	do	----	----	----	.0

McCARTHY CANAL—D-749
Diverted from White Tail Creek—Sec. 36-15-38 W.
Measurements Made below Headgate

1929					
5-21	A. E. Johnston	2.4	0.87	----	2.1
6-13	do	1.2	.41	----	.0
6-26	do	----	----	----	.0
7-18	do	----	----	----	.0
9-5	do	----	----	----	.0
1930					
10-3	A. E. Johnston	----	----	----	0.0
6-4	do	----	----	----	.0
7-11	do	----	----	----	.0
7-17	do	----	----	----	.0
7-22	do	----	----	----	.0
7-25	do	2.2	0.41	----	.9
8-2	do	----	----	----	.0
8-4	do	.7	1.00	----	.7
8-7	do	.8	.75	----	.6
8-11	do	1.1	1.00	----	1.1
8-12	do	----	----	----	.0
8-27	do	----	----	----	.0
9-23	do	----	----	----	.0
1931					
10-3	A. E. Johnston	----	----	----	0.0
5-15	do	----	----	----	.0
6-1	do	1.4	1.28	----	1.8
6-9	do	2.3	1.44	----	3.3
6-25	do	1.0	1.00	----	1.0
6-30	do	.8	1.00	.60	1.0
7-8	do	1.0	.78	.53	.7
7-18	do	1.0	.56	.64	.5

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

McCARTHY CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
8-4	A. E. Johnston	1.0	.72	.60	.5
8-12	do	2.0	.46	.50	.3
8-19	do	.....	.....	.45	.1
9-4	do	1.0	.50	.75	.3
9-18	do	.....	.....	.....	.0
1932					
10-1	A. E. Johnston	.....	.....	.....	0.0
10-9	do	.....	.....	.....	.0
10-24	do	.....	.....	.....	.0
10-31	do	.....	.....	.....	.0
4-11	do	0.5	0.80	0.85	.4
4-18	do	.9	1.00	.81	.9
5-11	do	1.9	.79	1.05	1.5
5-20	do	.8	.50	.85	.4
5-25	do	1.5	.60	1.10	.9
6-3	do	2.1	1.14	1.25	2.4
6-8	do	1.3	.62	1.07	.8
6-25	do	.....	.....	1.10	.2
7-7	do	.9	1.00	.94	.9
7-16	do	.....	.....	.....	.0
8-6	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.2
9-24	do	.....	.....	.....	.0

McDONALD CANAL—A-644

Diverted from Republican River—Sec. 36-1-38 W.
Measurements Made at Headgate

1929					
5-16	C. E. Franklin	.....	.....	.....	0.0
6-1	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
6-30	do	2.3	0.87	.....	2.0
7-14	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-20	do	1.2	1.00	.....	1.2
8-29	do	.9	.90	.....	.8
9-28	do	.....	.....	.....	.0
1930					
3-13	C. E. Franklin	.....	.....	.....	0.0
4-23	do	1.7	0.65	.....	1.1
5-7	do	1.0	1.70	.....	1.7
5-20	do	.....	.....	.....	.3
6-24	do	.....	.....	.....	.0
7-16	do	1.6	.82	.....	1.3
8-1	do	2.7	.81	.....	2.2
8-12	do	2.2	1.18	.....	2.6
8-30	do	2.2	.63	.....	1.4
9-12	do	.....	.....	.....	.0
9-26	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

McDONALD CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
4-27	C. E. Franklin	.....	.....	.....	0.0
5-16	do	.....	.....	.....	.0
6-5	do	1.0	0.79	.....	1.1
6-27	do	4.0	.83	.....	2.9
7-10	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9-12	do	2.0	.50	.....	1.0
9-26	do	.....	.....	.....	.0
1932					
10-13	C. E. Franklin	.....	.....	.....	0.0

McFADDEN CANAL—A-2142

Diverted from Willow Creek—Sec. 14-14-35 W.
Measurements Made at Headgate

1931					
6-2	A. E. Johnston	1.1	1.77	.....	1.9
6-9	do	.8	1.63	.....	1.3
6-25	do	.2	.70	.....	.1
7-8	do	1.0	2.30	.....	1.6
7-18	do	.....	.....	.....	.0
7-29	do	1.0	.50	.....	.1
8-4	do	1.0	1.50	.....	.6
8-13	do	1.0	1.00	.....	.5
8-18	do	1.0	1.00	.....	.6
9-3	do	.....	.....	.....	.0
9-18	do	1.0	2.30	.....	1.4
1932					
10-2	A. E. Johnston	1.0	1.33	.....	0.8
10-9	do	1.0	1.25	.....	.5
10-24	do	.....	.....	.....	.0
10-31	do	.....	.....	.....	.0
4-11	do	.....	.....	.....	.0
4-18	do	.....	.....	.....	.0
5-12	do	.....	.....	.....	.0
5-19	do	.....	.....	.....	.0
5-26	do	.....	.....	.....	.0
6-3	do	.....	.....	.....	.0
6-9	do	0.4	1.00	.....	.4
6-27	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

McFARLAND CANAL—D-960
Diverted from White Clay Creek—Sec. 35-32-52 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-29	A. E. Johnston	.....	.....	0.30	1.0
6-21	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
1930					
9-4	A. E. Johnston	.....	.....	0.12	0.4
9-29	do	.....	.....	.....	.0
1931					
11-1	A. E. Johnston	.....	.....	.....	0.0
4-13	do	.....	.....	.....	.0
5-23	Johnston and Rasmussen	.....	.....	.....	.0
6-19	A. E. Johnston	.....	.....	0.30	1.1
7-21	do	.....	.....	.30	1.1
9-12	do	.....	.....	.....	.2
9-26	do	.....	.....	.30	1.1
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.6
5-2	do	.....	.....	.....	.1
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	0.15	.3
8-22	do	.....	.....	.20	.6
9-19	do	.....	.....	.25	.8

McGINLEY-STOVER CANAL, NORTH—D-513a
Diverted from Niobrara River—Sec. 25-29-56 W.
Measurements Made below Diversion Dam

1929					
6-19	A. E. Johnston	.....	.....	.....	8.8
1930					
10-9	A. E. Johnston	8.0	1.29	.....	11.0
9-2	do	.....	.....	.....	.0
1931					
10-1	A. E. Johnston	.....	.....	.....	0.0
5-20	Johnston and Rasmussen	.....	.....	.....	.0
6-18	do	9.0	0.90	.....	10.0
7-23	A. E. Johnston	6.0	.47	0.80	2.6
1932					
6-21	A. E. Johnston	7.0	0.51	.....	3.6
8-3	Johnston and Rasmussen	.....	.....	.....	.0
8-23	A. E. Johnston	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

McGINLEY-STOVER CANAL, SOUTH—D-513b
Diverted from Niobrara River—Sec. 25-29-56 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
6-19	A. E. Johnston	.....	.....	.....	0.0
1930					
10-9	A. E. Johnston	.....	.....	.....	0.0
9-2	do	.....	.....	.....	.0
1931					
10-1	A. E. Johnston	.....	.....	.....	0.0
5-20	Johnston and Rasmussen	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-22	do	4.0	1.02	0.90	4.2
1932					
6-21	A. E. Johnston	3.4	0.32	.....	1.1
8-3	Johnston and Rasmussen	.....	.....	.....	.0
8-23	A. E. Johnston	1.2	.33	.....	.5
9-20	do	.....	.....	.....	.0

McINTOSH CANAL—D-351
Diverted from Lodgepole Creek—Sec. 29-15-55 W.
Measurements Made at Headgate

1929					
5-8	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-25	do	3.2	1.19	.....	3.8
7-9	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
1930					
3-14	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-28	do	3.6	1.55	.....	5.6
7-18	do	3.0	1.02	.....	3.1
8-7	do	2.6	1.15	.....	3.0
8-22	do	2.7	.48	.....	1.3
9-5	do	2.8	1.10	.....	3.1
9-19	do	.....	.....	.....	.0
1931					
5-2	C. E. Franklin	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-15	do	2.0	1.14	0.75	2.5
7-23	do	1.0	1.26	.....	1.8
9-3	do	2.0	1.21	.....	2.8
9-24	do	2.0	.65	.....	1.5

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

McINTOSH CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
6-3	A. W. Hall	2.0	1.15	0.62	2.3
7-6	do	2.8	1.03	.67	2.9
7-26	Hall and Hanna	3.4	.53	.80	1.8
8-19	A. W. Hall	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0

McLAUGHLIN CANAL—D-966
Diverted from Lodgepole Creek—Sec. 25-14-48 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-25	do	2.0	1.40	.....	2.8
6-26	do	2.4	.41	.....	1.0
7-10	do	.....	.....	.....	.0
9-14	do	3.3	.97	.....	3.2
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-16	do	.....	.....	.....	.0
4-30	do	3.7	0.93	.....	3.4
5-14	do	.....	.....	.....	.0
6-18	do	3.5	.69	.....	2.4
8-8	do	.....	.....	.....	.0
9-1	do	2.0	1.25	.....	2.5
9-6	do	.....	.....	.....	.4
1931					
10-1	C. E. Franklin	3.4	0.38	.....	1.3
5-4	do	2.2	1.36	.....	3.0
5-22	do	.2	1.05	.....	.2
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.1
8-20	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
3-31	A. E. Johnston	.....	.....	.....	0.0
5-6	do	.....	.....	.....	.0
6-9	Willis and Hall	.....	.....	.....	.0
6-23	A. E. Johnston	3.4	0.33	.....	1.0
7-8	A. W. Hall	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0

McLAUGHLIN CANAL—D-566
Diverted from Niobrara River—Sec. 9-28-52 W.
Measurements Made at Headgate

1929					
6-19	A. E. Johnston	.....	.....	.....	0.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

McLAUGHLIN CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
10-9	A. E. Johnston	.....	.....	.....	0.5
1931					
5-20	Johnston and Rasmussen	5.0	1.03	1.00	4.7
6-18	do	6.0	.80	1.30	4.8
7-23	do	6.0	.55	.80	3.2
1932					
8-3	Johnston and Rasmussen	5.7	0.98	1.45	5.6
8-24	A. E. Johnston	9.5	.46	1.62	4.4
9-21	do	.....	.....	.....	.0

MALTESE CROSS CANAL—A-454
Diverted from Lodgepole Creek—Sec. 36-15-57 W.
Measurements Made at Headgate

1929					
5-8	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
1930					
3-14	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
1931					
5-1	C. E. Franklin	.....	.....	.....	0.0
7-2	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
9-1	do	1.0	0.17	.....	.1
9-24	do	1.0	.70	.....	.5

MARANVILLE CANAL—D-70, D-71
Diverted from Frenchman River—Sec. 12-6-41 W.
Measurements Made at Headgate

1929					
3-21	C. E. Franklin	.....	.....	.....	1.0
5-11	do	.....	.....	.....	4.9
5-29	do	11.9	0.39	.....	4.6
6-12	do	5.2	.71	.....	3.7

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MARANVILLE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
6-27	C. E. Franklin	.....	.....	.....	3.0
7-11	do	9.0	.16	.....	1.5
8-2	do	4.4	.40	.....	1.8
8-20	do	3.8	.23	.....	.9
8-26	do	.....	.....	.....	1.0
8-30	do	9.0	.48	1.00	4.0
8-31	do	.....	.....	.....	.0
9-25	do	.....	.....	.35	.0
1930					
11-16	C. E. Franklin	.....	.....	.....	1.0
12-16	do	.....	.....	.....	1.0
2-3	do	.....	.....	.....	.8
3-9	do	2.1	0.52	.....	1.1
3-21	do	12.6	.32	.....	4.0
4-19	do	.....	.....	.....	.0
5-3	do	9.6	.50	.....	4.8
5-16	do	9.0	.48	.....	4.3
5-31	do	4.6	1.05	.....	4.8
6-20	do	2.1	.52	.....	1.1
7-11	do	7.2	.44	.....	3.2
7-14	do	9.1	2.64	.....	2.4
7-31	do	7.6	.51	.....	3.9
8-9	do	5.4	.28	.....	1.5
8-29	do	8.2	.24	.....	2.0
9-11	do	12.6	.21	.....	2.7
9-21	do	12.6	1.11	.....	1.4
1931					
10-13	C. E. Franklin	12.0	0.12	.....	1.4
10-29	do	.....	.....	.....	1.0
11-12	do	.....	.....	.....	.0
12-2	do	.....	.....	.....	1.0
4-11	do	.....	.....	.....	.0
4-17	do	6.0	.72	.....	4.3
5-6	do	1.8	.83	0.31	1.4
5-26	do	5.0	.69	.74	3.3
6-19	do	4.0	.67	.65	2.4
7-9	do	5.0	.38	1.08	1.8
7-27	do	7.0	.28	1.00	2.0
7-31	do	3.0	.65	.70	1.7
8-23	do	3.0	.47	.84	1.5
9-10	do	3.0	.87	.....	2.6
1932					
10-5	C. E. Franklin	4.0	1.08	0.72	4.3
11-18	A. E. Johnston	4.0	.62	2.52	2.6
5-7	do	7.5	.76	2.30	5.7

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MARANVILLE CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1932					
5-24	A. W. Hall	——	——	——	.0
6-17	do	9.5	.26	2.65	2.5
7-9	do	8.4	.38	2.50	3.2
7-12	Hall and Korell	9.7	.38	2.50	3.7
7-13	do	——	——	——	.0
8-5	A. W. Hall	6.9	.16	2.30	1.1
8-11	do	8.6	.17	2.30	1.5
9-13	do	——	——	2.10	——

MEEKER CANAL—D-4, D-7, D-8, D-9

Diverted from Republican River—Sec. 15-3-31 W.
Measurements Made at Headgate

1929					
5-15	C. E. Franklin	15.7	1.22	1.55	19.0
5-30	do	7.5	.95	.94	7.1
6-10	do	——	——	——	1.0
6-28	do	18.6	1.90	2.10	35.3
7-12	do	17.2	1.81	1.95	31.2
8-3	do	21.2	1.72	2.35	36.6
8-16	do	14.1	1.67	1.63	23.6
8-29	do	16.1	1.53	1.75	24.7
9-27	do	14.0	1.27	1.50	18.0
1930					
3-10	C. E. Franklin	-	——	——	0.0
4-22	do	14.4	1.81	——	26.0
5-5	do	13.2	1.41	1.60	18.7
5-19	do	11.6	1.50	——	17.4
6-4	do	9.0	1.06	——	9.5
6-22	do	14.3	1.94	1.75	27.8
7-12	do	15.5	1.33	1.72	20.6
7-31	do	14.5	1.67	1.65	24.3
8-11	do	9.3	1.18	1.22	11.8
8-26	do	11.7	1.55	1.45	18.1
9-9	do	13.8	1.21	1.50	16.7
9-23	do	7.8	1.23	1.05	9.6
1931					
5-7	C. E. Franklin	15.8	1.27	1.65	20.1
5-28	do	13.0	1.45	1.77	18.9
7-7	do	17.0	1.64	1.86	28.6
8-7	do	22.0	1.55	2.15	33.8
8-26	do	15.0	1.37	1.58	20.4
9-10	do	14.0	1.36	1.47	18.7
9-27	do	18.0	1.63	1.94	29.7

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MEEKER CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
5-20	A. W. Hall	16.7	1.48	1.66	24.8
6-19	do	.....	.....	.....	.0
7-12	Hall and Korell	17.6	1.49	1.96	26.2
8-10	A. W. Hall	9.8	1.44	1.51	14.4
9-15	do	12.5	1.44	1.52	18.0

MEGLEMRE CANAL—A-294, A-853
Diverted from Greenwood Creek—Sec. 3-18-50 W.
Measurements Made at Rating Flume

1929					
5-24	A. W. Hall	1.2	1.25	0.40	1.5
6-25	do	1.5	2.26	.50	3.5
1931					
5-11	A. W. Hall	0.6	1.60	.....	0.9
8-25	A. E. Johnston	1.0	1.43	0.26	1.2
1932					
11-10	A. E. Johnston	.....	.....	.....	0.1
4-8	do	1.8	3.70	0.60	6.6
4-21	do	1.3	2.90	.50	3.8

MEREDITH-AMMER CANAL—D-876
Diverted from Pumpkinseed Creek—Sec. 23-19-50 W.
Measurements Made at Headgate

1929					
7-15	A. W. Hall	1.4	2.42	0.51	3.4
1931					
4-28	A. W. Hall	.....	.....	.....	0.0
6-1	do	6.0	1.63	1.00	9.8
6-11	do	6.0	1.60	1.00	9.6
6-16	do	7.0	1.97	1.10	13.0
7-3	do	6.0	1.75	1.00	11.0
7-6	do	6.0	1.76	1.00	11.0
8-25	A. E. Johnston	5.0	1.60	.78	8.0
9-5	A. W. Hall	4.0	1.28	.61	5.0
1932					
11-10	A. E. Johnston	1.0	0.58	.....	0.7
4-8	do	2.4	1.08	0.40	2.6
4-21	do	3.6	1.22	.60	4.4
5-16	Hall and LeFever	3.0	1.23	.50	3.7
6-1	F. F. LeFever	4.0	1.30	.58	5.2
6-22	do	4.0	1.50	.70	6.0
7-9	do	4.0	1.22	.63	5.0
7-25	do	4.0	2.22	.70	9.0
8-13	do	.....	.....	.46	4.7
9-6	do	5.0	2.22	.81	11.1
9-15	do	4.0	2.50	.74	10.2

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MERIDIAN CANAL—D-459
Diverted from Niobrara River—Sec. 25-29-50 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
4-30	A. E. Johnston	.....	.....	.....	0.0
5-27	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	5.3
9-10	do	.....	.....	.....	.0
1930					
10-9	A. E. Johnston	7.0	0.33	.....	2.0
5-13	do	.....	.....	.....	.0
9-1	do	6.0	1.25	.....	7.5
1931					
5-19	A. E. Johnston	.....	.....	.....	0.0
6-15	do	6.0	1.50	1.90	9.2
7-21	do	6.0	1.52	2.00	9.8
9-13	do	6.0	1.48	2.00	9.5
9-26	do	.....	.....	.....	.0
1932					
10-20	A. E. Johnston	.....	.....	.....	0.0
10-26	do	.....	.....	.....	.0
11-9	do	.....	.....	.....	.0
5-4	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
8-4	do	4.7	0.42	1.45	2.0
8-24	do	6.0	.57	1.85	3.4
9-21	do	6.4	.18	1.60	1.2

METTLEN CANAL—A-292, A-1248
Diverted from Niobrara River—Sec. 4-28-54 W.
Measurements Made at Headgate

1929					
6-19	A. E. Johnston	.....	.....	.....	0.0
1930					
10-9	A. E. Johnston	.....	.....	.....	0.0
9-1	do	.....	.....	.....	.0
1931					
10-1	A. E. Johnston	.....	.....	.....	0.0
5-20	Johnston and Rasmussen	4.0	1.05	.....	4.2
6-18	do	4.0	.66	0.45	2.6
7-23	do	.....	.....	.....	.0
1932					
6-23	A. E. Johnston	6.0	1.01	1.40	6.1
8-3	Johnston and Rasmussen	2.2	.68	.....	1.5
8-24	A. E. Johnston	3.6	.58	.90	2.1
9-21	do	5.6	.81	1.35	4.5

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MIDLAND-OVERLAND CANAL—D-789, D-791
Diverted from North Platte River—Sec. 2-16-44 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-23	A. E. Johnston	4.5	1.09	1.00	4.9
6-14	do	7.6	1.29	1.30	9.8
6-25	do	5.5	1.25	1.30	6.9
7-19	do	6.0	.64	1.30	3.9
8-14	do	12.6	1.03	.....	13.0
1930					
10-4	A. E. Johnston	5.0	0.71	.....	3.0
5-9	do	.....	.....	.....	.0
6-3	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-5	do	14.8	1.30	1.30	19.3
7-11	do	6.3	.75	1.00	4.7
7-15	do	9.4	1.02	1.20	9.6
7-23	do	11.0	.57	1.50	6.3
8-3	do	10.2	.41	1.70	4.2
8-9	do	12.8	.74	2.15	9.5
8-19	do	10.0	.70	1.75	7.0
8-28	do	.....	.....	.....	.0
9-24	do	6.8	1.40	1.10	9.5
1931					
10-28	A. E. Johnston	7.5	0.45	1.20	3.4
5-15	do	.....	.....	.....	.0
5-31	do	3.5	1.41	.....	4.9
6-12	do	1.0	.68	.55	.6
6-22	A. W. Hall	8.0	1.35	1.25	11.0
6-27	A. E. Johnston	16.0	1.54	1.60	25.0
7-9	do	7.4	1.99	1.35	15.0
7-20	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8-11	do	14.2	1.64	1.60	23.4
8-20	do	12.0	1.60	1.60	19.2
9-5	do	5.0	.58	.....	3.0
9-21	do	.....	.....	.....	.0
9-28	do	1.0	1.23	.80	1.3
1932					
10-12	A. E. Johnston	4.0	1.28	1.25	5.0
10-23	do	.....	.....	.....	.0
11-3	do	.....	.....	.....	.0
4-9	do	.....	.....	.....	.0
4-19	do	.....	.....	.....	.1
5-9	do	1.6	.69	.20	1.1
5-21	do	.....	.....	.10	.0
5-24	do	.....	.....	.....	.0
6-4	do	11.0	1.89	1.25	19.7
6-8	do	6.0	1.38	.67	7.6

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MIDLAND-OVERLAND CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1932					
6-25	A. E. Johnston	.....	.....	.....	.0
7-6	do	4.0	1.20	.50	4.7
7-16	do	13.0	1.34	1.60	16.9
8-5	do	15.0	1.67	1.68	25.6
8-10	J. V. Ruzicka	5.0	1.50	.66	8.1
8-16	do	4.0	1.39	.50	5.7
8-26	A. E. Johnston	3.0	1.22	.42	3.3
9-10	do	8.0	.85	.71	6.7
9-23	do	——	.....	.70	5.7

MILLER CANAL—D-740

Diverted from Skunk Creek—Sec. 12-14-37 W.
Measurements Made at Headgate

1929					
6-26	A. E. Johnston	1.1	1.55	.....	1.7
7-18	do	1.2	1.32	——	1.6
1930					
7-11	A. E. Johnston	0.5	0.60	.....	0.3
7-17	do	.3	.34	.....	.1
7-25	do	——	.....	——	.0
8-2	do	1.0	1.10	.....	1.1
8-7	do	1.0	1.30	——	1.3
8-12	do	.....	——	.....	.0
8-27	do	——	——	——	.0
9-23	do	.....	——	.....	.0
1931					
10-3	A. E. Johnston	——	.....	——	0.0
5-15	do	.....	——	.....	.0
6-1	do	——	.....	——	.0
7-18	do	1.0	1.83	.....	2.2
8-12	do	——	.....	——	.0
8-19	do	.....	.....	.....	.0
9-4	do	——	.....	——	.0
1932					
10-31	A. E. Johnston	.....	——	.....	0.0
4-11	do	——	.....	——	.0
5-11	do	.....	——	.....	.0
5-20	do	——	.....	——	.0
5-25	do	1.6	1.50	.....	2.4
6-3	do	2.4	.92	——	2.2
6-25	do	——	——	.....	.0
7-7	do	.4	.75	——	.3
8-6	do	.....	——	.....	.0
8-27	do	——	.....	——	.0
9-24	do	.....	——	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MILLER CANAL, WEST BRANCH—D-740

Diverted from Skunk Creek—Sec. 12-14-37 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
4-17	A. E. Johnston	1.5	1.54	—	2.4
7-11	do	.9	.79	.....	.7
7-17	do	.5	.98	.....	.5
7-25	do	—	—	—	.0
8-2	do	1.3	.91	—	1.2
8-7	do	.9	.95	.....	.9
8-12	do	.9	.85	.....	.8
8-27	do	—	—	—	.0
9-23	do	—	.....	.....	.0
1931					
10-3	A. E. Johnston	—	—	—	0.0
5-15	do	.....	.....	—	.0
6-1	do	0.3	0.84	—	.3
7-18	do	—	—	—	.0
8-12	do	.....	.....	—	.0
8-19	do	2.0	1.24	—	2.4
9-4	do	—	—	—	.0
1932					
10-31	A. E. Johnston	.....	.....	—	0.0
4-11	do	—	—	—	.0
5-11	do	—	.....	.....	.0
5-20	do	0.6	1.33	—	.8
5-25	do	—	—	.....	.0
6-3	do	.6	1.00	.....	.6
6-25	do	—	—	.....	.0
7-7	do	—	—	.....	.0
8-6	do	.....	—	—	.0
8-27	do	.....	—	—	.0
9-24	do	.8	.80	—	1.0

MINATARE CANAL—D-919

Diverted from North Platte River—Sec. 32-22-54 W.
Measurements Made at Headgate

1929					
5-23	A. W. Hall	—	.....	—	0.0
6-7	do	17.3	1.27	1.10	22.0
7-13	do	—	.....	—	.0
7-20	do	50.6	1.74	2.50	88.1
7-29	do	55.2	1.22	2.40	67.7
8-3	do	44.7	1.58	2.00	70.7
1930					
6-21	A. W. Hall	45.0	1.94	2.05	87.7
6-28	do	62.0	1.72	2.40	107.3
9-11	do	37.0	1.53	1.50	56.6

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MINATARE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-4	A. W. Hall	14.0	0.90	0.55	15.6
5-27	do	22.0	1.52	.90	33.4
6-6	do	52.0	1.61	2.00	83.7
6-18	do	44.0	1.80	1.80	80.0
8-8	Hall and LeFever	47.0	1.74	1.35	81.1
8-28	A. E. Johnston	58.0	1.67	—	96.4
9-4	F. F. LeFever	38.0	1.37	.92	52.0
9-11	A. W. Hall	29.0	1.33	.60	38.4
1932					
4-5	A. E. Johnston	.....	—	—	0.0
4-26	do	.....	—	—	.0
5-9	F. F. LeFever	—	—	.....	.0
5-18	do	—	—	.....	1.5
5-25	do	25.0	.....	0.35	31.0
6-4	do	48.0	—	1.35	86.0
6-17	do	44.0	—	1.36	76.0
6-25	do	40.0	.....	1.49	81.0
7-6	do	65.0	1.54	1.87	100.3
7-14	do	65.0	1.71	1.92	111.1
7-26	do	51.0	1.81	1.53	92.4
8-3	do	43.0	1.74	1.29	74.8
8-17	do	—	—	.86	48.3
9-3	do	.....	—	.96	49.7
9-9	do	42.0	1.79	1.33	75.0
9-21	do	33.0	1.36	.96	44.7

MITCHELL CANAL—D-304

Diverted from Lodgepole Creek—Sec. 8-14-51 W.
Measurements Made at Headgate

1929					
5-9	C. E. Franklin	—	.....	—	0.0
5-24	do	—	—	.....	.0
6-26	do	—	.....	—	.0
7-9	do	.....	—	.....	.0
9-14	do	—	.....	—	.0
1930					
3-4	C. E. Franklin	.....	—	.....	0.0
4-28	do	—	.....	—	.0
5-13	do	.....	—	.....	.0
6-12	do	—	.....	—	.0
8-22	do	—	—	.....	.0
9-18	do	—	.....	—	.0
1931					
5-3	C. E. Franklin	.....	—	.....	0.0
5-21	do	—	.....	—	.0
6-15	do	.....	—	.....	.0
7-24	do	—	.....	—	.0
8-19	do	.....	—	—	.0
9-5	do	—	.....	—	.0
9-24	do	.....	—	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MITCHELL CANAL

Diverted from North Platte River—Sec. 10-23-60 W.
Measurements Made at Rating Flume—Wyoming-Nebraska Line

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-20	A. W. Hall	30.3	2.24	0.70	68.0
6-8	do	44.0	2.11	1.00	93.1
6-13	do	50.9	2.36	1.18	119.8
6-22	do	58.7	2.34	1.30	138.0
7-3	do	85.6	2.40	2.05	205.2
7-19	do	58.1	2.62	1.32	152.3
8-16	do	87.1	2.49	2.10	217.5
8-13	F. M. Roush	90.0	2.51	1.96	225.9
8-23	do	91.6	2.62	2.00	240.0
8-27	do	91.0	2.51	2.01	228.0
9-10	do	43.0	2.96	.95	128.0
1930					
4-14	C. E. Franklin	——	.....	——	0.0
5-21	do	.....	——	——	.0
5-26	do	51.2	2.11	0.80	110.0
5-27	do	51.4	2.14	.80	108.0
6-6	do	37.7	3.45	.83	130.0
6-9	do	63.7	2.10	1.05	136.0
6-12	do	63.6	2.08	1.02	134.0
6-16	do	82.0	2.02	1.43	176.0
6-26	do	107.0	2.13	1.99	228.0
6-27	do	92.0	2.54	2.00	233.0
7-22	F. M. Roush	90.6	2.21	1.55	200.0
7-31	do	90.3	2.21	1.55	201.0
8-12	A. W. Hall	821.0	2.29	1.20	188.0
8-14	F. M. Roush	76.0	2.31	1.25	175.0
8-16	do	16.0	2.00	.36	31.0
8-22	do	65.0	2.09	.96	136.0
9-23	do	66.7	1.89	.86	126.0
1931					
10-1	C. E. Franklin	51.1	3.20	1.14	163.5
5-21	A. W. Hall	23.0	2.04	.40	47.0
6-30	F. M. Roush	——	.....	1.49	195.0
9-9	A. W. Hall	82.0	2.32	1.08	191.0
9-23	F. F. LeFever	53.0	2.17	.56	115.0
1932					
4-6	A. E. Johnston	——	.....	——	0.0
4-23	do	.....	.....	——	.0

MITCHELL SUGAR FACTORY CANAL—A-1582

Diverted from Dry Spotted Tail Creek—Sec. 21-23-56 W.
Measurements Made at Intake

1929					
1-17	C. E. Franklin	——	——	——	0.0
7-18	A. W. Hall	——	.....	.....	.0
1930					
12-5	A. E. Johnston	6.0	2.15	——	12.9

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MONROE CANAL—D-506

Diverted from Monroe Creek—Sec. 33-33-56 W.
Measurements Made 200 Yards below Diversion Dam

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
4-11	Johnston and Rasmussen	2.0	1.05	.....	2.1
5-21	do	2.0	.97	.....	2.0
6-16	A. E. Johnston	2.0	1.06	.....	1.7
7-22	Johnston and Rasmussen	.....	.....	.....	.0
1932					
5-3	A. E. Johnston	0.7	2.30	0.50	1.7
6-22	do	.....	.....	.....	.0
8-2	do	.8	.87	.30	.7

MONTAGUE CANAL—A-575

Diverted from Niobrara River—Sec. 27-29-48 W.
Measurements Made at Headgate

1929					
4-30	A. E. Johnston	.....	.....	.....	0.0
5-27	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
6-22	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
1930					
10-9	A. E. Johnston	.....	.....	.....	0.0
5-13	do	.....	.....	.....	.0
9-1	do	.....	.....	.....	.0
9-27	do	.....	.....	.....	.0
1931					
5-19	A. E. Johnston	.....	.....	.....	0.0
5-27	do	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-24	do	.....	.....	.....	.0
8-6	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
9-26	do	4.0	0.39	0.63	1.4
1932					
10-14	A. E. Johnston	4.0	0.35	0.75	1.4
10-20	do	4.0	.39	.90	1.4
11-9	do	.....	.....	.....	.0
5-4	do	3.6	.41	.75	1.5
6-23	do	.....	.....	.....	.0
8-4	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

MONTGOMERY CANAL—D-559
Diverted from Sow Belly Creek—Sec. 21-33-55 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
6-16	Johnston and Rasmussen	3.0	0.32	.....	1.0
1932					
5-3	A. E. Johnston	0.9	0.78	0.26	0.7
6-22	do	1.6	1.00	.38	1.6
8-2	do	——	——	——	.0

MOORE CANAL—A-88
Diverted from Niobrara River—Sec. 9-28-53 W.
Measurements Made at Headgate

1929					
6-19	A. E. Johnston	——	.....	.....	0.0
1930					
10-9	A. E. Johnston	——	——	——	0.0
9-1	do	.....	.....	——	.0
1931					
10-1	A. E. Johnston	——	——	——	0.0
4-10	Johnston and Rasmussen	——	.....	.....	.0
6-18	do	6.0	0.60	1.30	3.4
7-23	do	.....	——	——	.0
1932					
6-23	A. E. Johnston	2.5	1.32	0.30	3.3
8-3	Johnston and Rasmussen	.....	.....	.....	.0
8-24	A. E. Johnston	——	——	.....	.0
9-21	do	2.7	1.92	.55	5.2

MUTUAL CANAL—D-843
Diverted from Pumpkinseed Creek—Sec. 33-19-52 W.
Measurements Made at Headgate

1931					
7-3	A. W. Hall	4.0	0.72	1.10	3.0
7-16	do	6.0	1.00	1.50	6.2
9-5	do	8.0	.68	.....	5.2
1932					
6-22	F. F. LeFever	4.0	.....	1.32	3.0
7-7	do	6.0	0.90	1.78	5.4
7-18	A. W. Hall	2.0	1.60	.55	3.2
7-18	do	5.1	.70	.....	3.6
7-25	F. F. LeFever	7.0	.77	2.00	5.4
8-1	do	6.0	.56	1.98	3.4
8-1	do	4.0	.85	1.16	3.4
8-2	do	7.0	.45	1.96	3.2
8-13	do	——	.....	2.30	4.6
9-15	do	7.0	.45	2.25	3.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

NASLAND CANAL—A-661
Diverted from Lodgepole Creek—Sec. 1-12-45 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
7-11	C. E. Franklin	—	—	—	0.0
1930					
4-17	C. E. Franklin	—	—	—	0.0
5-30	do	—	—	—	.0
6-20	do	—	—	—	.0
7-8	do	—	—	—	.0
9-20	do	—	—	—	.0
1931					
5-5	C. E. Franklin	—	—	—	0.0
5-23	do	—	—	—	.0
6-17	do	—	—	—	.0
7-17	do	—	—	—	.0
8-21	do	—	—	—	.0
9-8	do	—	—	—	.0

NELSON CANAL—D-845
Diverted from Greenwood Creek—Sec. 33-18-50 W.
Measurements Made at Intake

1929					
5-24	A. W. Hall	1.0	1.00	—	1.0
6-10	do	—	—	—	.0
6-25	do	3.7	1.13	—	4.2
7-30	do	2.7	1.35	—	3.7
1930					
8-22	A. W. Hall	—	—	—	0.0
1931					
8-25	A. E. Johnston	—	—	—	0.0
1932					
4-8	A. E. Johnston	—	—	—	0.0
4-21	do	—	—	—	.0

NEUMAN CANAL NO. 1—A-565
Diverted from Lodgepole Creek—Sec. 36-13-45 W.
Measurements Made at Headgate

1929					
5-29	C. E. Franklin	—	—	—	0.0
7-11	do	—	—	—	.0
9-16	do	—	—	—	.0
1930					
3-7	C. E. Franklin	—	—		0.0
4-17	do	—	—	—	.0
5-1	do	—	—	—	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

NEUMAN CANAL NO. 1—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
5-30	C. E. Franklin	—	—	—	.0
6-20	do	—	—	—	.0
7-8	do	—	—	—	.0
7-27	do	—	—	—	.0
8-9	do	2.4	0.74	—	1.8
8-21	do	—	—	—	.0
9-6	do	—	—	—	.0
9-20	do	—	—	—	.0
1931					
5-5	C. E. Franklin	—	—	—	0.0
5-23	do	—	—	—	.0
6-17	do	—	—	—	.0
7-18	do	2.0	0.81	—	1.3
8-21	do	2.0	.25	—	.5
9-8	do	—	—	—	.0
9-25	do	1.0	0.43	—	.3
1932					
7-8	Hall and Gardner	—	—	—	0.0

NEUMAN CANAL NO. 2—A-611
Diverted from Lodgepole Creek—Sec. 26-13-45 W.
Measurements Made at Intake

1929					
5-29	C. E. Franklin	—	—	—	0.0
6-27	do	—	—	—	.0
7-11	do	—	—	—	.0
9-16	do	—	—	—	.0
1930					
3-7	C. E. Franklin	—	—	—	0.0
4-17	do	—	—	—	.0
5-1	do	—	—	—	.0
5-30	do	—	—	—	.0
6-20	do	—	—	—	.0
7-8	do	—	—	—	.0
7-21	do	—	—	—	.0
8-9	do	—	—	—	.0
8-21	do	—	—	—	.0
9-6	do	—	—	—	.0
9-20	do	—	—	—	.0
1931					
5-5	C. E. Franklin	—	—	—	0.0
5-23	do	—	—	—	.0
6-17	do	—	—	—	.0
7-18	do	—	—	—	.0
8-21	do	—	—	—	.0
9-8	do	1.0	0.41	—	.5
9-25	do	2.0	.47	—	.7

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

NINE MILE CANAL—D-925
Diverted from North Platte River—Sec. 18-21-53 W.
Measurements Made at Rating Flume

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
5-24	A. W. Hall	——	——	——	0.0
6-7	do	20.5	1.69	1.30	34.7
6-14	do	31.2	2.26	1.97	70.7
6-22	do	18.6	1.12	1.15	20.9
7-5	do	41.0	1.92	2.65	78.9
7-20	do	32.7	1.86	2.20	60.6
8-10	do	27.0	1.71	1.80	46.3
9-13	do	32.6	1.61	2.05	52.4
1930					
5-20	A. W. Hall	——	——	——	0.0
6-6	do	——	——	——	.0
6-16	do	26.0	1.70	1.80	44.0
6-21	do	32.1	2.08	2.25	67.2
7-2	do	30.8	1.64	2.05	58.5
7-18	do	37.0	1.60	2.30	60.0
9-5	do	29.5	1.62	1.90	48.0
1931					
10-5	A. W. Hall	32.7	1.56	2.28	51.1
5-27	do	20.9	1.13	1.45	23.7
6-6	do	39.4	2.01	2.48	79.5
6-18	do	28.0	1.73	2.00	48.0
7-7	do	35.1	1.90	2.25	67.0
7-23	do	28.3	1.63	2.00	46.2
8-11	do	34.0	2.05	2.40	69.0
8-24	A. E. Johnston	28.3	1.46	1.80	41.2
8-28	do	25.0	1.45	1.72	36.0
9-5	F. F. LeFever	29.4	1.56	2.00	46.0
9-10	do	28.0	1.48	1.84	37.0
1932					
10-2	A. W. Hall	33.0	1.74	2.19	57.0
4-22	A. E. Johnston	——	——	——	.0
5-19	F. F. LeFever	16.0	——	1.43	16.5
5-26	do	15.0	——	1.35	14.9
6-6	do	16.0	——	1.45	21.0
6-21	Follansbee and LeFever	38.0	——	2.73	71.0
6-27	F. F. LeFever	30.0	——	2.16	41.0
7-9	do	26.0	1.39	1.91	36.2
7-26	do	31.0	1.59	2.18	49.4
8-5	do	29.0	1.74	2.14	50.4
8-19	do	——	——	2.17	51.9
9-3	do	30.0	1.79	2.18	53.9
9-12	do	31.0	1.81	2.28	56.3
9-27	do	26.0	1.74	1.98	45.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

NISSEN CANAL—A-606

Diverted from Sand Creek—Sec. 10-15-40 W.
Measurements Made at Intake

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
6-26	A. E. Johnston	1.9	0.95	.....	1.8
1930					
7-23	A. E. Johnston	0.4	1.00	——	0.4
7-25	do	2.1	1.66	.....	3.5
8-2	do	——	.....	.....	.0
8-4	do	——	——	.....	.0
1931					
5-15	A. E. Johnnston	2.2	1.19	——	2.6
6-1	do	.5	1.20	.....	.6
6-11	do	.8	.87	——	.7
6-26	do	.9	1.28	——	1.0
7-9	do	1.0	1.00	.....	1.0
7-19	do	——	.....	——	.0
7-28	do	——	.....	——	.0
8-12	do	.....	——	——	.0
1932					
10-1	A. E. Johnston	.....	——	——	0.0
10-10	do	——	.....	——	.0
4-9	do	1.6	1.06	——	1.7
4-19	do	2.0	1.05	.....	2.1
5-11	do	1.2	1.25	——	1.5
5-20	do	.9	1.10	.....	1.0
5-25	do	1.1	.91	——	1.0
6-4	do	.3	.66	——	.2
6-8	do	.....	——	.....	.0
6-25	do	——	——	.....	.0
7-7	do	.9	1.10	——	1.1
7-16	do	.....	.....	——	.0
8-6	do	——	——	——	.0
8-27	do	.....	.....	——	.0
9-10	do	——	——	——	.0
9-23	do	.....	.....	——	.0

NISSEN CANAL, WEST SIDE—A-606

Diverted from Sand Creek—Sec. 10-15-40 W.
Measurements Made at Headgate

1931					
6-26	A. E. Johnston	0.2	0.60	——	0.1
7-28	do	——	——	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

NISSEN CANAL, WEST SIDE—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-1	A. E. Johnston	.....	.....	.....	0.0
10-10	do	.....	.....	.....	.0
4-9	do	0.6	0.50	.....	.3
4-19	do	.6	.66	.....	.4
5-11	do	.3	.75	.....	.4
5-20	do	.3	.65	.....	.2
5-25	do	.4	1.00	.....	.4
6-4	do	.....	.....	.....	.0
6-8	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-7	do	.7	1.00	.....	.7
7-16	do	.....	.....	.....	.0
8-6	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0

NORMAN CANAL—A-1660

Diverted from White River—Sec. 26-32-52 W.
Measurements Made at Intake

1929					
6-21	A. E. Johnston	.....	.....	.....	0.0
9-11	do	.....	.....	.....	.0
1930					
10-11	A. E. Johnston	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
9-4	do	0.4	1.00	.....	.4
9-29	do	.....	.....	.....	.0
1931					
11-1	A. E. Johnston	.....	.....	.....	0.0
4-13	do	.....	.....	.....	.0
5-22	Johnston and Rasmussen	3.0	1.58	0.70	4.0
6-20	A. E. Johnston	3.0	1.75	.70	5.8
7-22	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	2.0	1.15	.....	2.3
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

NORTH PLATTE CANAL—D-635

Diverted from North Platte River—Sec. 13-14-34 W.
Measurements Made at Rating Flume

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
4-25	A. E. Johnston	.....	.....	.....	0.0
5-21	do	58.5	3.05	2.60	178.6
6-13	do	56.2	3.18	2.50	179.2
6-27	do	85.5	3.84	3.70	326.5
7-18	do	72.9	3.94	3.60	281.1
7-24	do	90.0	3.78	4.00	340.5
7-31	do	85.5	3.79	3.80	324.5
8-13	do	85.5	3.84	3.80	328.9
8-28	do	60.8	3.47	2.60	210.9
9-5	do	54.0	3.08	2.30	166.0
1930					
10-2	A. E. Johnston	34.0	3.23	1.50	101.0
4-18	do	.....	.....	.....	.0
5-8	do	.....	.....	.....	.0
6-5	do	42.0	2.42	1.40	101.0
6-30	do	60.0	2.36	1.98	141.0
7-5	do	63.0	2.17	2.10	137.0
7-10	do	72.0	2.34	2.37	168.0
7-11	do	60.0	2.32	2.00	140.0
7-14	do	90.0	2.74	3.00	247.0
7-17	do	96.0	2.60	3.20	248.0
7-18	do	75.0	2.33	2.50	174.0
7-22	do	48.0	1.95	1.57	94.0
7-26	do	84.0	2.51	2.75	210.5
7-28	do	84.0	2.66	2.70	223.0
8-1	do	81.0	2.65	2.65	214.0
8-2	do	75.0	2.66	2.52	199.0
8-4	do	75.0	2.38	.....	178.0
8-5	do	75.0	2.38	2.52	178.0
8-6	do	72.0	2.45	2.42	176.0
8-7	do	75.0	2.55	2.50	191.0
8-9	do	78.0	2.61	2.59	204.0
8-12	do	76.0	2.52	2.55	192.0
8-26	do	75.0	2.58	2.50	194.0
9-22	do	54.0	2.30	1.82	124.0
1931					
	A. E. Johnston	43.0	2.14	1.60	105.0
11-8	do	.....	.....	.....	.0
5-14	do	66.0	2.44	2.20	161.0
6-2	do	93.0	2.86	3.00	266.0
6-9	do	72.0	2.53	2.42	181.0
6-25	do	15.0	1.39	.50	21.0
6-29	do	57.0	2.22	1.91	126.0
7-8	do	8.0	2.69	2.60	210.0
7-18	do	66.0	2.45	2.18	162.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

NORTH PLATTE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
7-29	A. E. Johnston	57.0	2.59	1.85	148.0
7-30	do	81.0	2.93	2.68	231.0
7-30	do	75.0	2.74	2.48	206.0
8-4	do	75.0	2.63	2.50	197.0
8-13	do	45.0	2.33	1.50	105.0
8-18	do	45.0	2.39	1.50	108.0
9-3	do	69.0	2.62	2.31	181.0
9-18	do	66.0	2.49	2.20	164.0
1932					
10-2	A. E. Johnston	24.0	1.92	0.82	46.1
10-9	do	.....	.....	.....	.0
10-24	do	60.0	2.47	2.00	148.0
10-31	do	.....	.....	.....	.0
4-11	do	.....	.....	.....	.0
4-18	do	.....	.....	.....	.0
5-12	do	82.0	2.46	2.50	202.0
5-19	do	87.0	2.53	2.82	220.0
5-26	do	127.0	3.26	3.60	415.0
6-3	do	80.0	2.61	2.54	209.0
6-9	do	84.0	2.87	2.68	243.0
6-27	do	69.0	2.38	2.20	188.0
7-8	do	74.0	2.62	2.34	194.0
7-18	do	75.0	2.85	2.41	214.0
8-8	do	72.0	2.86	2.32	206.0
8-29	do	71.0	2.90	2.30	206.0
9-9	do	69.0	2.86	2.25	197.0
9-24	do	60.0	3.10	2.05	186.0

NORTHPORT CANAL—A-768

Diverted from North Platte River
Measurements Made at Rating Flume—Sec. 3-23-58 W.

1929					
6-1	A. W. Hall	27.3	5.15	1.95	140.9
6-24	do	39.2	6.67	2.80	261.4
7-1	do	44.8	7.03	3.20	315.4
7-16	do	42.6	7.09	3.05	302.3
8-14	do	38.5	6.20	2.75	242.0
9-16	do	18.2	4.58	1.30	83.3
1930					
5-31	A. W. Hall	.....	4.21	1.00	59.0
6-16	do	26.0	.54	1.85	14.0
1931					
6-8	A. W. Hall	40.6	6.94	2.90	281.7
6-16	do	38.0	6.48	2.70	245.0
6-29	do	35.0	6.37	2.50	223.0
8-28	A. E. Johnston	31.0	6.30	2.20	194.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

NORTHPORT CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
5-20	F. F. LeFever	12.0	.....	0.81	39.2
6-1	do	70.0	.....	1.90	151.0
6-9	do	77.0	.....	2.08	177.0
6-29	do	78.0	.....	2.12	184.0
7-19	do	81.0	2.47	2.26	200.6
7-19	do	81.0	2.50	2.26	202.5
8-20	do	.....	.....	2.42	235.2

NORTH RIVER CANAL—D-787, A-243
Diverted from North Platte River—Sec. 14-18-47 W.
Measurements Made at 40-foot Weir

1929					
4-27	A. E. Johnston	.....	.....	.....	0.0
5-24	do	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
6-24	do	.....	.....	0.65	71.0
6-29	A. W. Hall	.....	.....	.69	63.0
7-20	A. E. Johnston	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
7-26	A. W. Hall	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0
8-9	do	.....	.....	.69	63.0
8-13	C. E. Franklin	.....	.....	.42	37.0
8-28	A. W. Hall	.....	.....	.65	71.0
9-20	do	.....	.....	.....	.0
1930					
10-5	A. E. Johnston	.....	.....	.....	0.0
5-10	do	.....	.....	.....	.0
6-2	do	.....	.....	0.15	7.8
6-30	do	.....	.....	1.98	141.3
7-5	do	.....	.....	.52	51.0
7-10	do	.....	.....	.....	48.0
7-16	do	.....	.....	.55	50.0
8-3	do	.....	.....	.44	16.0
8-9	do	.....	.....	.28	19.0
8-19	do	.....	.....	.59	6.3
8-29	do	.....	.....	.15	7.8
9-26	do	.....	.....	.....	.0
1931					
10-27	A. E. Johnston	.....	.....	.....	0.0
10-29	do	.....	.....	.....	.0
5-16	do	.....	.....	.....	.0
5-30	do	.....	.....	0.65	71.0
6-12	do	.....	.....	.45	42.0
6-27	do	.....	.....	.43	41.0
7-10	do	.....	.....	.....	.0
7-20	do	13.0	1.94	.33	26.0
8-10	do	22.0	2.49	.55	55.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

NORTH RIVER CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
8-21	A. E. Johnston	11.0	1.75	.27	19.0
9-6	do	10.4	1.72	.26	18.0
9-21	do	24.4	2.63	.61	64.2
9-28	do	14.4	2.02	.36	29.2
1932					
10-12	A. E. Johnston	8.0	1.51	0.20	12.0
10-22	do	.....	.....	.....	.0
11-3	do	.....	.....	.....	.0
4-8	do	.....	.....	.....	.0
4-20	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
5-23	do	.....	.....	0.15	7.8
6-6	do	.....	.....	.27	17.6
6-7	Johnston and Follansbee	.....	.....	.....	16.8
7-15	A. E. Johnston	.....	.....	.26	18.5
8-5	do	.....	.....	.60	62.5
8-25	do	.....	.....	.37	25.1
9-12	do	.....	.....	.45	40.7
9-22	do	.....	.....	.42	35.6

NORTH RIVER CANAL—D-787, A-243
Diverted from North Platte River
Measurements Made at 30-foot Cippoletti Weir—Sec. 14-18-47 W.

1929					
5-24	A. E. Johnston	.....	.....	0.65	53.0
6-15	do	.....	.....	.65	53.0
6-24	do	.....	.....	.95	93.0
7-20	do	.....	.....	.40	26.0
7-22	do	.....	.....	.55	41.0
7-26	do	.....	.....	.47	33.0
8-9	do	.....	.....	.....	.0
9-20	do	.....	.....	.65	53.0

NORTH RIVER AND LISCO CANALS—D-787, D-856, A-243, A-991
Diverted from North Platte River—Sec. 14-18-47 W.
Measurements Made One-half Mile below Junction—Sec. 24-18-47 W.

1929					
6-24	A. E. Johnston	80.3	1.78	3.35	143.6
6-29	do	75.0	1.80	3.40	136.0
7-22	do	.....	.....	3.20	.....
7-26	do	55.3	1.25	2.67	69.5
8-9	do	81.0	1.95	3.32	148.3
8-28	do	70.5	1.60	3.00	114.0
9-20	do	31.8	1.10	1.75	35.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

NORTH RIVER AND LISCO CANALS—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
10-5	A. E. Johnston	30.0	0.99	1.65	29.0
8-19	A. W. Hall	75.0	1.34	3.34	100.0
1931					
5-30	A. E. Johnston	15.1	2.83	.....	42.7
6-12	do	19.0	4.00	.....	76.3
6-27	do	20.0	4.40	.....	87.0
7-10	do	10.4	.58	.....	6.0
7-20	do	13.0	2.23	.....	29.0
8-10	do	19.0	4.75	.....	88.3
8-21	do	11.2	2.01	.....	23.0

OASIS CANAL, NORTH—D-567
Diverted from Snake Creek—Sec. 6-24-51 W.

1931					
10-1	A. E. Johnston	.....	.....	.....	0.0
10-30	do	.....	.....	.....	.3
1932					
8-4	A. E. Johnston	.....	.....	.....	0.0
8-16	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0

OASIS CANAL, SOUTH—D-567
Diverted from Snake Creek—Sec. 6-24-51 W.

1931					
10-1	A. E. Johnston	1.0	0.45	.....	0.4
10-30	do	.....	.....	.....	.0
1932					
8-4	A. E. Johnston	.....	.....	.....	0.0
8-16	do	.....	.....	.....	.0
9-13	do	2.1	2.0	.....	4.2

OBERFELDER CANAL—D-306
Diverted from Lodgepole Creek—Sec. 31-14-46 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	.....	.....	.....	0.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

OBERFELDER CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
7-8	Hall and Gardner	.....	.....	.....	0.0
8-12	A. W. Hall	.....	.....	.....	.0

OBERFELDER CANAL—D-307

Diverted from Lodgepole Creek—Sec. 31-14-46 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	.....	.....	.....	0.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.3
9-15	do	.....	.....	.....	.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-20	do	1.1	1.40	.....	1.5
7-26	do	.8	1.00	.....	.8
8-8	do	.5	.60	.....	.3
9-20	do	.....	.....	.....	.0
1931					
5-23	C. E. Franklin	.....	.....	.....	0.0
6-17	do	.....	.....	.....	.0
7-25	do	1.0	0.67	.....	.4
8-21	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

OBERFELDER CANAL—D-333
Diverted from Lodgepole Creek—Sec. 31-14-46 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-28	C. E. Franklin	—	—	—	0.0
6-26	do	—	—	—	.0
7-10	do	—	—	—	.0
9-15	do	—	—	—	.0
1930					
3-7	C. E. Franklin	—	—	—	0.0
4-17	do	—	—	—	.0
4-30	do	3.9	1.10	—	4.3
5-29	do	—	—	—	.0
6-20	do	1.1	1.70	—	1.9
7-8	do	—	—	—	.0
7-26	do	—	—	—	.0
1931					
5-5	C. E. Franklin	—	—	—	0.0
5-23	do	—	—	—	.0
6-17	do	—	—	—	.0
7-25	do	—	—	—	.0
8-21	do	—	—	—	.0
9-8	do	—	—	—	.0
9-25	do	—	—	—	.0

ORCHARD-ALFALFA CANAL—D-627
Diverted from Thirty Mile Wasteway
Measurements Made at 8-foot Weir and 6-foot Weir in Wasteway
Sec. 23-10-24 W.

1929					
8-4	A. E. Johnston	—	—	0.65	11.0
8-4	do	—	—	.30	3.0
8-10	do	—	—	1.10	24.0
8-10	do	—	—	1.30	20.0
8-12	do	—	—	1.00	22.0
8-12	do	—	—	.60	7.0
8-17	do	—	—	.95	20.0
8-17	do	—	—	.00	.0
8-22	do	—	—	1.00	22.0
8-22	do	—	—	1.00	16.0
8-24	do	—	—	.00	.0
8-24	do	—	—	.00	.0

ORCHARD-ALFALFA CANAL—D-627
Diverted from Platte River—Sec. 9-10-24 W.
Measurements Made at Rating Flume

1929					
4-22	A. E. Johnston	—	—	—	0.0
5-17	do	—	—	—	.0
6-11	do	25.2	1.02	2.00	25.0
6-29	do	42.0	1.43	3.00	60.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ORCHARD-ALFALFA CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
7-16	A. E. Johnston	30.4	1.76	2.80	53.7
7-25	do	54.9	1.58	3.90	86.8
7-29	do	52.6	1.78	4.40	94.1
7-30	do	28.2	1.35	2.30	38.3
8-2	do	32.6	1.36	2.50	44.6
8-2	do	36.4	1.59	——	57.9
8-4	do	27.6	1.72	2.65	46.2
8-5	do	37.7	1.51	2.80	57.0
8-10	do	42.0	1.61	3.10	68.0
8-12	do	39.3	1.53	2.95	57.1
8-22	do	33.5	1.44	2.60	43.8
8-24	do	——	——	4.20	112.0
8-31	do	42.0	1.70	3.30	72.0
9-3	do	49.0	1.70	3.65	83.0
9-30	do	——	——	.70	.0
1930					
5-5	A. E. Johnston	——	——	——	0.0
5-21	do	——	——	——	.0
6-7	do	——	——	——	.0
6-23	do	——	——	——	.0
6-26	do	——	——	——	.0
7-1	do	23.0	0.33	2.10	7.6
7-7	do	——	——	1.30	2.0
7-8	do	——	——	.30	.0
7-16	do	——	——	——	.0
7-19	do	——	——	——	.0
7-21	do	——	——	——	.0
7-29	Clarence Raish	53.7	1.30	3.40	41.2
7-29	A. E. Johnston	53.9	1.02	3.50	52.7
7-31	do	56.6	.76	3.70	43.1
8-13	do	62.9	1.30	4.10	81.6
8-21	do	47.8	1.16	3.15	55.3
9-18	do	33.6	1.08	2.20	36.2
1931					
10-6	A. E. Johnston	27.1	0.89	1.80	24.2
10-21	do	——	——	——	.0
11-12	do	——	——	——	.0
5-12	do	——	——	——	.0
6-8	do	20.0	1.70	1.61	34.0
6-23	do	15.0	1.00	.97	15.0
7-6	do	24.0	1.40	1.40	33.0
7-13	do	——	——	——	.0
7-14	do	——	——	——	.0
7-15	do	——	——	——	.0
7-16	do	——	——	——	.0
8-14	do	——	——	——	.0
8-17	do	——	——	——	.0
9-2	do	——	——	——	.0
9-16	do	——	——	——	.0
9-30	do	24.2	1.35	1.10	33.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

ORCHARD-ALFALFA CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-5	A. E. Johnston	38.0	1.54	2.35	58.0
10-7	do	38.0	1.58	2.30	60.0
10-27	do	38.0	1.48	2.25	57.0
4-13	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
5-16	do	12.0	.96	.40	11.4
5-28	do	29.0	1.63	1.70	47.4
6-1	do	18.3	1.17	.95	21.4
6-11	do	18.0	1.25	.90	22.5
6-29	do	33.0	1.29	1.86	42.0
7-11	do	23.0	1.43	1.21	33.6
7-20	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8-10	do	35.0	1.70	2.15	59.9
8-31	do	30.0	1.64	1.80	49.5
9-7	do	33.0	1.74	1.90	56.8
9-27	do	26.0	1.32	1.40	34.1

OSHKOSH CANAL—D-797, A-243
Diverted from North Platte River—Sec. 33-17-44 W.
Measurements Made at Rating Flume

1929					
5-23	A. E. Johnston	.....	.....	.....	0.0
6-24	do	12.9	0.69	1.60	8.9
7-20	do	11.6	.26	1.40	3.1
8-2	A. W. Hall	10.1	.89	1.40	9.0
8-9	do	8.6	.97	1.23	8.4
8-14	C. E. Franklin	8.4	1.19	1.10	10.0
8-28	A. W. Hall	9.1	1.59	1.17	14.3
9-20	do	.....	.....	.....	.0
1930					
10-4	A. E. Johnston	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
6-3	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-5	do	9.0	1.13	1.15	10.2
7-11	do	9.0	1.36	1.25	12.2
7-15	do	9.5	1.65	1.35	15.7
7-24	do	11.7	1.80	1.30	21.0
8-3	do	12.7	1.03	1.65	13.2
8-9	do	14.3	.58	1.85	8.3
8-19	do	.....	.....	1.25	2.0
8-28	do	.....	.....	.....	.0
9-24	do	.....	.....	1.00	.0
1931					
10-29	A. E. Johnston	.....	.....	.....	0.0
5-16	do	.....	.....	.....	.0
5-30	do	3.5	0.46	0.70	1.6
6-12	do	7.0	.25	1.00	2.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

OSHKOSH CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
6-22	A. W. Hall	13.0	.55	1.91	7.0
6-27	A. E. Johnston	18.0	.88	2.20	16.0
7-10	do	.....	.....	.....	5.0
7-12	J. V. Ruzicka	12.1	.50	2.06	6.0
7-20	A. E. Johnston	.....	.....	.....	.0
8-10	do	10.4	1.10	1.10	11.4
8-18	J. V. Ruzicka	13.3	1.61	1.37	21.4
8-21	A. E. Johnston	11.0	1.30	1.00	14.2
9-6	do	2.3	.33	.33	1.0
9-21	do	13.0	1.80	1.22	23.3
9-29	do	13.0	1.55	1.13	20.0
1932					
10-12	A. E. Johnston	.....	.....	0.30	2.0
10-22	do	.....	.....	.....	.0
11-3	do	.....	.....	.....	.0
4-20	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
5-23	do	.....	.....	1.14	16.5
6-6	do	.....	.....	.80	6.2
6-24	do	.....	.....	.70	3.0
7-6	do	.....	.....	1.53	9.3
7-15	do	.....	.....	1.75	7.3
8-5	do	.....	.....	1.12	17.7
8-10	do	.....	.....	1.02	19.5
8-16	do	.....	.....	.15	1.4
8-26	do	.....	.....	.57	7.4
9-22	do	.....	.....	1.12	16.4

OTTER CREEK (CASCADE) CANAL—D-1032, A 1198, A-1240

Diverted from Otter Creek—Sec. 5-15-40 W.
Measurements Made below Headgate

1929					
5-22	A. E. Johnston	8.1	0.89	.....	7.2
6-14	do	11.9	1.99	.....	23.7
6-26	do	11.2	1.62	.....	18.2
7-5	A. W. Hall	7.5	.94	.....	7.1
7-19	A. E. Johnston	5.0	.91	.....	4.6
8-4	do	4.6	1.04	.....	4.8
1930					
10-3	A. E. Johnston	.....	.....	.....	0.0
6-4	do	.....	.....	.....	.0
7-23	do	13.9	1.75	2.30	24.3
7-25	do	3.7	.89	1.50	3.3
8-2	do	11.8	1.73	1.90	20.4
8-7	do	5.0	1.12	1.20	5.6
8-11	do	3.4	.94	1.02	3.2
8-27	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

OTTER CREEK (CASCADE) CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-15	A. E. Johnston	3.5	1.34	0.80	4.6
6-1	do	9.6	2.29	1.80	22.0
6-11	do	2.4	1.04	.70	2.5
6-26	do	3.0	.94	.70	3.0
7-9	do	.....	.....	.....	.0
7-19	do	3.4	1.00	.70	3.4
7-28	do	4.0	1.42	.80	6.0
8-5	do	12.0	2.11	2.00	25.0
8-12	do	6.0	1.74	1.30	11.0
8-19	do	3.0	1.29	1.00	6.3
9-4	do	2.4	.93	.70	2.2
9-19	do	3.0	1.13	.80	3.4
1932					
10-1	A. E. Johnston	8.0	2.02	1.62	17.0
10-10	do	3.0	1.10	.75	4.0
10-23	do	.....	.....	.....	2.0
11-2	do	.....	.....	.....	.0
4-19	do	.....	.....	.80	4.5
5-11	do	.....	.....	.....	.0
5-20	do	.....	.....	.90	4.9
5-25	do	.....	.....	1.10	7.9
6-4	do	.....	.....	.....	.0
6-8	do	.....	.....	2.00	20.3
6-25	do	.....	.....	.90	6.2
7-7	do	.....	.....	1.95	24.0
7-16	do	.....	.....	.70	4.0
7-30	J. V. Ruzicka	.....	.....	2.00	16.9
8-6	A. E. Johnston	.....	.....	2.02	19.3
8-19	J. V. Ruzicka	.....	.....	.73	2.9
8-27	A. E. Johnston	.....	.....	.92	5.5
9-23	do	.....	.....	.60	1.9

OWASCO CANAL—D-347

Diverted from Lodgepole Creek—Sec. 29-15-55 W.
Measurements Made at Headgate

1929					
5-7	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-25	do	2.4	2.20	0.40	5.3
7-9	do	2.4	1.29	.27	3.1
8-6	A. W. Hall	2.8	1.33	.35	3.7
9-17	C. E. Franklin	2.4	1.37	.32	3.3
1930					
3-14	C. E. Franklin	.....	.....	.....	0.0
4-24	do	2.4	0.92	0.28	2.2
5-9	do	2.1	.62	.31	1.3
5-23	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

OWASCO CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
6-10	C. E. Franklin	2.4	1.52	.30	3.6
6-27	do	2.4	1.33	.25	3.1
7-18	do	4.0	2.20	.50	8.8
8-7	do	4.0	2.01	.48	8.3
8-22	do	4.8	1.62	.56	7.8
9-5	do	3.2	1.65	.40	5.3
9-19	do	2.8	1.50	.37	4.2
1931					
10-8	C. E. Franklin	.....	.....	.....	0.0
5-1	do	.....	.....	.....	.0
5-20	do	3.2	2.03	.....	6.5
6-3	do	3.0	1.80	0.39	5.8
7-21	do	5.0	1.28	.63	6.8
8-16	do	.....	.....	.71	.....
9-1	do	6.0	.59	.78	3.8
9-2	do	6.0	.72	.78	4.6
9-23	do	3.0	1.40	.43	4.1
1932					
10-9	C. E. Franklin	.....	.....	.....	0.0
5-5	A. E. Johnston	.....	.....	.....	.0
6-3	A. W. Hall	3.2	2.31	0.45	7.4
7-6	do	3.6	1.66	.40	6.0
7-26	do	2.8	1.96	.38	5.5
8-19	do	4.0	2.30	.50	9.3
9-10	do	3.2	2.31	.50	7.4

OX YOKE CANAL—D-447

Diverted from Ash Creek, East Branch—Sec. 31-32-50 W.
Measurements Made at Headgate

1929					
6-21	A. E. Johnston	.....	.....	.....	0.0
1930					
9-4	A. E. Johnston	.....	.....	.....	0.0
1931					
4-13	A. E. Johnston	.....	.....	.....	0.0
5-22	Johnston and Rasmussen	.....	.....	.....	.0
6-20	A. E. Johnston	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

PAISLEY CANAL—A-515
Diverted from Blue Creek—Sec. 28-17-42 W.
Measurements Made at Rating Flume

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-23	A. E. Johnston	.....	.....	.....	0.0
6-14	do	8.8	1.76	1.00	15.5
6-25	do	6.3	2.70	.50	17.0
6-29	A. W. Hall	7.6	2.33	.65	17.7
7-19	A. E. Johnston	3.9	4.38	.70	17.1
8-8	A. W. Hall	8.0	2.49	.85	19.9
1930					
10-4	A. E. Johnston	5.0	1.34	0.65	6.0
6-3	do	.....	.....	.....	.0
7-11	do	7.8	2.06	.75	16.0
7-23	do	7.2	2.82	.60	20.3
8-9	do	7.3	2.31	.82	16.8
8-28	do	6.2	2.50	.60	15.5
9-24	do	5.8	2.10	.62	12.2
1931					
10-28	A. E. Johnston	.....	.....	.....	0.0
5-15	do	2.0	5.88	0.25	11.7
6-1	do	5.6	2.41	.60	13.5
6-12	do	.....	.....	.....	.0
6-23	A. W. Hall	10.0	1.44	.50	14.0
6-24	do	4.0	3.75	.50	14.0
6-26	A. E. Johnston	4.0	4.13	.50	17.0
7-5	J. V. Ruzicka	4.0	4.10	.50	15.0
7-9	A. E. Johnston	6.0	2.09	.51	13.0
7-19	do	8.0	2.68	.75	21.4
7-19	J. V. Ruzicka	5.0	3.80	.75	19.0
7-27	A. E. Johnston	8.0	2.56	.60	21.0
7-28	do	7.3	2.56	.52	19.0
8-5	do	7.2	3.00	.60	22.0
8-11	do	2.4	3.17	.28	8.0
8-20	do	.....	.....	.....	.0
9-5	do	4.3	2.07	.40	9.0
9-19	do	2.4	3.02	.32	7.3
9-30	do	3.2	3.22	.40	10.3
1932					
10-23	A. E. Johnston	6.0	2.34	1.70	13.1
11-2	do	4.0	2.23	1.45	8.9
4-9	do	.....	.....	.....	.0
4-19	do	.....	.....	.....	.0
5-10	do	10.0	.60	1.20	5.8
5-20	do	10.0	.54	1.30	5.8
5-24	do	13.0	.78	1.62	10.0
6-4	do	13.0	.93	1.60	11.9
6-8	do	12.0	.56	1.46	6.5
6-25	do	10.0	.55	1.40	5.6
7-6	do	15.0	.84	1.95	12.9
7-16	do	14.0	.88	1.80	12.3

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

PAISLEY CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1932					
7-27	J. V. Ruzicka	14.0	.80	1.85	11.5
8-6	A. E. Johnston	----	----	.45	.0
8-14	J. V. Ruzicka	7.0	1.08	.88	7.3
8-16	do	8.0	1.27	1.14	11.3
8-26	A. E. Johnston	10.0	1.05	1.25	10.6
9-10	do	10.0	.83	1.28	8.6
9-23	do	9.0	.47	1.16	4.4

PARKS CANAL—A-1202, A-1440, A-1555
Diverted from Republican River—Sec. 20-1-39 W.
Measurements Made at Headgate

1929					
5-16	C. E. Franklin	----	----	----	0.0
6-1	do	----	----	----	.0
6-13	do	----	----	----	.0
6-30	do	----	----	----	.0
7-14	do	10.5	1.09	----	11.5
8-7	do	----	----	----	.0
8-20	do	10.0	1.24	----	12.7
8-29	do	14.0	1.14	----	15.7
9-28	do	----	----	----	.0
1930					
3-13	C. E. Franklin	----	----	----	0.0
4-23	do	----	----	----	.0
5-7	do	----	----	----	.0
5-20	do	----	----	----	.0
6-5	do	----	----	----	.0
6-24	do	----	----	----	.0
7-16	do	7.0	1.11	----	7.8
8-1	do	2.8	1.03	----	2.9
8-14	do	7.9	1.01	----	8.0
8-30	do	5.4	.78	----	4.2
9-12	do	----	----	----	.0
9-26	do	----	----	----	.0
1931					
4-27	C. E. Franklin	----	----	----	0.0
5-17	do	----	----	----	.0
6-6	do	----	----	----	.0
6-27	do	----	----	----	.0
7-10	do	10.0	0.74	----	7.4
7-30	do	2.0	.90	----	1.3
8-27	do	6.0	1.37	----	8.2
9-26	do	8.0	.76	----	6.2
1932					
11-19	A. E. Johnston	----	----	----	0.0
5-22	A. W. Hall	----	----	----	.0
5-23	do	----	----	----	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

PATRICK CANAL—D-725
Diverted from Sand Creek—Sec. 10-15-40 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
5-9	A. E. Johnston	2.3	1.04	—	2.4
7-23	do	—	—	—	.0
7-25	do	—	—	—	.0
8-2	do	—	—	—	.0
8-4	do	—	—	—	.0
8-7	do	—	—	—	.0
8-27	do	—	—	—	.0
9-23	do	—	—	—	.0
1931					
6-11	A. E. Johnston	0.7	0.85	—	0.6
6-26	do	—	—	—	.0
7-9	do	—	—	—	.0
7-19	do	—	—	—	.0
7-28	do	—	—	—	.0
8-12	do	1.2	1.43	—	2.0
8-19	do	1.0	1.44	—	2.0
9-4	do	2.0	1.19	—	2.0
9-19	do	—	—	—	.0
1932					
10-1	A. E. Johnston	—	—	—	0.0
10-10	do	—	—	—	.0
10-23	do	—	—	—	.0
11-2	do	1.0	1.03	—	.6
4-19	do	—	—	—	1.9
5-11	do	—	—	—	.0
5-20	do	—	—	—	.0
5-25	do	—	—	—	.0
6-4	do	—	—	—	.0
6-8	do	—	—	—	.0
6-25	do	—	—	—	.0
7-7	do	—	—	—	.0
7-16	do	—	—	—	.0
8-6	do	—	—	—	.0
9-10	do	—	—	—	.0
9-23	do	—	—	—	.0

PATRICK CANAL—D-725
Diverted from Sand Creek—Sec. 10-15-40 W.
Measurements Made below Headgate

1929					
6-26	A. E. Johnston	—	—	—	0.0
7-19	do	—	—	—	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

PATRICK CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
5-9	A. E. Johnston	——	——	——	0.0
7-23	do	——	——	——	.0
8-2	do	——	——	——	.0
8-27	do	——	——	——	.0
1931					
6-26	A. E. Johnston	——	——	——	0.0
7-9	do	——	——	——	.0
7-19	do	1.4	1.56	0.75	2.3
7-28	do	3.0	1.90	1.78	5.3
8-12	do	——	——	——	.0
8-19	do	——	——	——	.0
9-4	do	——	——	——	.0
9-19	do	——	——	——	.0
1932					
10-1	A. E. Johnston	——	——	——	0.0
10-10	do	——	——	——	.0
10-23	do	——	——	——	.0
11-2	do	——	——	——	.0
4-19	do	——	——	——	.0
5-11	do	——	——	——	.0
5-20	do	——	——	——	.0
5-25	do	——	——	——	.0
6-4	do	——	——	——	.0
6-8	do	——	——	——	.0
6-25	do	3.4	0.44	1.14	1.5
7-7	do	1.1	.50	.53	.5
7-16	do	1.7	.30	.70	.5
7-30	J. V. Ruzicka	2.7	1.38	1.50	3.8
8-6	A. E. Johnston	——	——	——	.0
8-15	do	1.3	.46	.56	.6
8-27	do	——	——	——	.0
9-10	do	——	——	——	.0
9-23	do	——	——	——	.0

PAXTON-HERSHEY CANAL—D-653

Diverted from North Platte River—Sec. 18-14-33 W.
Measurements Made at Rating Flume

1929					
4-25	A. E. Johnston	——	——	——	0.0
5-21	do	18.4	1.97	1.05	36.3
6-13	do	28.0	2.24	1.70	62.7
6-27	do	40.2	2.30	2.30	92.8
7-18	do	30.6	3.01	2.30	92.2
7-24	do	57.9	2.86	2.90	148.5
7-31	do	46.3	2.31	2.80	107.3
8-13	do	37.2	2.37	2.20	88.2
8-28	do	36.0	2.37	2.10	85.5
9-5	do	30.4	2.33	1.90	70.8

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

PAXTON-HERSHEY CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
10-2	A. E. Johnston	.....	.....	.....	0.0
4-18	do	.....	.....	.....	.0
5-8	do	16.2	1.99	0.90	32.2
6-5	do	22.0	2.25	1.20	49.0
6-30	do	30.6	2.14	1.70	65.6
7-5	do	21.6	2.20	1.20	47.4
7-10	do	7.2	2.24	.40	16.1
7-11	do	5.4	1.46	.30	7.9
7-14	do	45.0	2.48	2.50	111.6
7-17	do	39.6	2.38	2.20	95.1
7-18	do	42.2	2.52	2.40	106.0
7-22	do	41.4	2.46	2.30	102.0
7-26	do	41.4	2.42	2.30	100.0
7-28	do	43.2	2.32	2.40	100.5
8-1	do	41.4	2.36	2.30	97.8
8-2	do	40.5	2.48	2.25	100.5
8-4	do	43.2	2.50	2.46	108.4
8-5	do	43.2	2.45	2.40	105.9
8-6	do	43.2	2.42	2.40	104.6
8-7	do	41.4	2.69	2.30	111.1
8-9	do	42.2	2.49	2.37	105.0
8-12	do	41.4	2.38	2.33	98.6
8-26	do	30.6	2.44	1.70	74.7
9-22	do	21.6	2.19	1.20	47.3
1931					
5-14	A. E. Johnston	18.0	2.10	1.00	39.0
6-2	do	30.6	2.52	1.65	77.0
6-9	do	20.0	2.27	1.10	45.0
6-25	do	31.0	2.42	1.70	74.0
6-29	do	11.0	2.64	.55	28.0
7-8	do	29.0	2.32	1.62	67.0
7-18	do	9.0	1.85	.45	17.0
7-29	do	4.0	1.09	.20	4.0
7-30	do	5.4	1.50	.30	8.4
8-4	do	41.4	2.56	2.30	106.0
8-13	do	41.4	2.38	2.36	99.0
8-18	do	41.4	2.52	2.30	104.0
9-3	do	29.0	2.48	1.61	71.4
9-18	do	27.0	2.20	1.50	59.3
1932					
10-1	A. E. Johnston	.....	.....	.....	0.0
10-2	do	9.0	2.52	0.50	23.0
10-9	do	14.0	2.52	.80	36.3
10-31	do	.....	.....	.....	.0
4-11	do	18.0	2.95	1.02	53.3
4-18	do	20.0	2.64	1.10	52.3
5-12	do	23.0	2.44	1.28	57.1
5-19	do	27.0	2.39	1.48	64.6

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

PAXTON-HERSHEY CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1932					
5-26	A. E. Johnston	34.0	2.74	1.90	94.1
6-3	do	29.0	2.72	1.52	78.8
6-9	do	38.0	2.82	2.00	106.7
6-27	do	18.0	3.10	.95	56.0
7-8	do	38.0	3.10	2.00	117.1
7-18	do	34.0	3.05	1.85	104.5
8-8	do	35.0	2.97	1.85	102.6
8-29	do	31.0	3.32	1.60	101.2
9-9	do	29.0	3.15	1.50	90.9
9-24	do	14.0	3.70	.81	53.1

PAXTON CANAL—A-1874

Diverted from South Platte River—Sec. 1-13-38 W.
Measurements Made at Gaging Station

1929					
9-24	A. E. Johnston	.....	.....	.....	0.0
1930					
10-2	A. E. Johnston	.....	.....	.....	0.0
3-11	do	.....	.....	.....	.0
4-12	do	14.0	1.11	1.60	16.0
4-17	do	9.0	.76	1.25	7.0
5-8	do	.....	.....	.....	.0
6-4	do	24.0	1.86	2.80	45.0
7-10	do	8.4	.37	.....	3.1
7-22	do	9.2	.59	1.40	5.4
7-25	do	6.9	.51	1.25	3.5
8-1	do	6.5	.60	1.25	3.9
8-6	do	4.3	.28	1.12	1.2
8-12	do	7.4	.65	1.30	4.8
8-26	do	30.2	1.77	2.40	53.5
9-22	do	35.9	1.92	2.80	69.1
1931					
10-3	A. E. Johnston	24.8	1.69	2.33	41.9
10-26	do	20.2	1.35	2.00	27.3
11-8	do	21.4	1.21	2.00	25.9
5-14	do	25.0	1.43	2.20	36.0
6-2	do	20.0	1.49	1.96	29.8
6-9	do	18.0	1.34	1.90	23.9
6-25	do	11.0	.49	1.45	5.0
7-8	do	10.0	.91	1.45	9.4
7-18	do	.....	.....	.....	.0
7-29	do	.....	.....	.....	.0
8-4	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
9-3	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

PAXTON CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-1	A. E. Johnston	—	—	—	0.0
10-9	do	—	—	—	.0
10-24	do	8.0	0.48	1.30	4.0
10-31	do	14.0	.94	1.60	12.7
4-2	do	—	—	—	.0
4-11	do	—	—	—	.0
4-18	do	—	—	—	.0
5-9	do	11.2	1.15	1.60	12.9
5-11	do	—	—	—	.0
5-19	do	—	—	—	.0
5-25	do	—	—	—	.0
6-3	do	—	—	—	.0
6-9	Johnston and Follansbee	—	—	—	.0
6-27	A. E. Johnston	—	—	—	.0
7-7	do	—	—	—	.0
9-24	do	—	—	—	.0

PERSINGER CANAL—D-297

Diverted from Lodgepole Creek—Sec. 33-14-46 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	4.5	0.76	—	3.5
6-24	do	3.6	.55	—	2.0
7-10	do	.6	1.83	—	1.1
9-16	do	—	—	—	.5
1930					
3-7	C.E. Franklin	—	—	—	0.0
4-17	do	—	—	—	.0
5-1	do	—	—	—	.0
5-29	do	7.8	.95	—	7.4
6-20	do	5.0	.65	1.60	3.2
7-8	do	4.8	.83	—	4.0
7-26	do	—	—	—	.0
8-8	do	4.7	.60	—	2.8
8-21	do	5.7	.79	—	4.5
9-6	do	5.1	.72	—	3.7
9-20	do	3.5	.54	—	1.9
1931					
5-5	C. E. Franklin	—	—	—	0.0
6-17	do	—	—	—	.0
7-25	do	3.0	0.45	—	1.4
8-21	do	—	—	—	.0
9-8	do	—	—	—	.0
9-25	do	—	—	—	.0
1932					
8-9	A. W. Hall	—	—	—	0.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

PETERS CANAL—D-913
Diverted from Pumpkinseed Creek—Sec. 2-19-56 W.
Measurements Made at Headgate

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
7-6	C. E. Franklin	3.4	1.21	.....	4.1
1930					
4-25	C. E. Franklin	.....	.....	.....	0.0
6-10	do	.....	.....	.....	.0
6-27	do	3.6	0.92	.....	3.3
1931					
8-30	C. E. Franklin	2.0	0.58	.....	1.40

PHELAN CANAL—D-138
Diverted from Rock Creek—Sec. 20-1-39 W.
Measurements Made at Headgate

1929					
5-16	C. E. Franklin	.....	.....	.....	2.7
6-1	do	.....	.....	.....	.8
6-13	do	1.1	0.91	.....	1.0
6-30	do	.....	.....	.....	.5
7-14	do	1.1	.90	.....	1.0
8-7	do	.8	.75	.....	.6
8-20	do	.....	.....	.....	.5
8-29	do	.7	.10	.....	.7
9-28	do	.....	.....	.....	.8
1930					
3-13	C. E. Franklin	.....	.....	.....	0.0
4-23	do	.....	.....	.....	.0
5-7	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.2
7-16	do	.....	.....	.....	.2
8-1	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
8-30	do	.....	.....	.....	.0
9-26	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0
1931					
5-17	C. E Franklin	.....	.....	.....	0.0
6-6	do	1.0	0.75	.....	.6
6-27	do	.....	.....	.....	.0
7-10	do	1.0	.81	.....	.6
7-30	do	3.0	1.09	.....	2.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

PIONEER CANAL, NORTH—D-442a

Diverted from Niobrara River—Sec. 36-29-51 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
4-30	A. E. Johnston	.....	.....	.....	0.0
5-27	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
1930					
10-9	A. E. Johnston	.....	.....	.....	0.0
9-1	do	.....	.....	.....	.0
1931					
5-19	A. E. Johnston	.....	.....	.....	0.0
6-15	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-23	Johnston and Rasmussen	.....	.....	1.10	1.0
9-13	A. E. Johnston	8.0	0.35	1.30	2.8
9-26	do	.....	.....	.....	.0
1932					
10-20	A. E. Johnston	10.0	0.35	1.20	3.3
11-9	do	7.0	.26	1.55	1.7
5-4	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	2.0
8-4	do	.....	.....	.00	.0
8-24	do	.....	.....	.00	.0
9-21	do	12.5	.23	2.00	2.9

PIONEER CANAL—D-442b

Diverted from Niobrara River—Sec. 31-29-50 W.
Measurements Made at Headgate

1929					
4-30	A. E. Johnston	.....	.....	.....	0.0
5-27	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
1930					
10-9	A. E. Johnston	.....	.....	.....	0.0
9-1	do	.....	.....	.....	.0
1931					
7-21	A. E. Johnston	.....	.....	.....	0.0
7-23	do	.....	.....	.....	.0
9-26	do	10.0	0.58	.....	5.8
1932					
10-20	A. E. Johnston	.....	.....	.....	0.0
11-9	do	.....	.....	.....	.0
5-4	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
8-4	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

POMEROY CANAL—D-308, A-723
Diverted from Lodgepole Creek—Sec. 15-14-51 W.
Measurements Made at Headgate

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-24	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-9	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0
1930					
3-4	C. E. Franklin	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
4-28	do	.....	.....	.....	.0
5-13	do	0.8	0.87	.....	.7
6-12	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8-5	do	.....	.....	.....	.2
8-22	do	.....	.....	.....	.0
9-4	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0
1931					
5-3	C. E. Franklin	2.6	0.82	.....	2.1
5-21	do	4.0	.63	.....	3.0
6-15	do	.....	.....	.....	.0
7-24	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-1	do	.....	.....	0.95	1.5
9-5	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

PREMIER CANAL—D-340
Diverted from Lodgepole Creek—Sec. 3-14-58 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-8	do	2.7	1.11	.....	3.0
9-17	do	.....	.....	.....	.0
1930					
3-15	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-28	do	3.5	0.54	.....	1.9
7-18	do	3.0	.90	.....	2.7

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

PREMIER CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
8-7	C. E. Franklin	2.8	.57	.....	1.6
8-23	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
1931					
5-1	C. E. Franklin	.....	.....	.....	0.0
5-20	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
8-16	do	.....	.....	.....	.0
8-31	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0
1932					
6-2	A. W. Hall	.....	.....	.....	0.0
7-7	Hall and Hanna	.....	.....	.....	.0
7-26	A. W. Hall	.....	.....	.....	.0

RALTON CANAL—A-847

Diverted from Lodgepole Creek—Sec. 12-12-45 W.
Measurements Made at Headgate

1929					
7-11	C. E. Franklin	.....	.....	.....	0.0
9-16	do	.....	.....	.....	.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
5-30	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8-9	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
11-17	A. E. Johnston	4.0	0.40	.....	1.7
4-1	do	6.0	.95	.....	5.7

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

RAMSHORN CANAL—D-945
Diverted from North Platte River—Sec. 21-23-57 W.
Measurements Made at Rating Flume

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
5-22	A. W. Hall	.....	.....	.....	0.0
6-8	do	6.6	1.24	0.65	8.2
6-22	do	17.5	.63	1.30	11.0
7-3	do	21.2	.75	1.40	15.9
7-13	do	26.9	.61	1.85	16.5
7-19	do	28.2	.92	2.00	26.1
7-27	do	23.2	.72	1.60	16.9
8-16	do	23.0	1.05	1.50	24.3
1930					
6-13	A. W. Hall	6.0	2.51	0.45	15.1
6-27	do	11.1	2.45	.90	17.1
7-26	do	11.3	1.61	1.20	18.2
8-12	do	12.7	.86	1.25	10.9
9-11	do	3.6	.83	.45	3.0
1931					
10-2	A. W. Hall	.....	.....	.....	0.0
5-27	do	12.6	1.12	1.00	14.1
6-5	do	15.0	2.45	1.42	36.6
6-18	do	10.0	1.05	.84	11.0
7-1	do	23.0	1.10	1.33	25.0
7-10	do	12.2	.68	1.20	8.3
7-24	do	18.0	.95	1.20	17.0
8-6	Hall and LeFever	30.0	.92	1.67	27.2
8-21	A. W. Hall	23.0	.56	1.65	13.0
8-24	F. F. LeFever	18.0	.32	1.44	6.0
8-26	A. E. Johnston	21.0	.53	1.62	11.1
9-10	A. W. Hall	17.4	.40	1.55	7.0
9-24	F. F. LeFever	.....	.....	.....	1.0
1932					
4-25	A. E. Johnston	.....	.....	.....	0.0
5-17	F. F. LeFever	16.5	0.88	1.00	14.5
5-24	do	3.0	.....	.60	1.9
6-2	do	7.0	.....	.75	5.0
6-9	do	25.0	.....	1.48	23.0
6-24	do	27.0	.....	1.85	9.0
7-2	do	30.0	.82	2.00	24.8
7-13	do	31.0	.83	1.96	25.8
7-21	do	32.0	.72	1.69	23.0
7-30	do	31.0	.94	1.85	29.2
8-16	do	32.0	.90	1.65	28.8
8-25	do	32.0	.....	1.56	27.0
9-7	do	22.0	.63	1.20	14.0
9-20	do	13.0	.52	.90	6.8

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

RANDALL CANAL—A-1100
Diverted from Lawrence Fork—Sec. 21-18-52 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
7-16	A. W. Hall	2.0	1.86	——	2.8
1932					
10-5	A. W. Hall	2.0	1.82	——	3.0

RASHER CANAL—D-467, A-534, A-456
Diverted from White River—Sec. 19-32-51 W.
Measurements Made at Headgate

1930					
9-4	A. E. Johnston	——	——	——	0.0
1931					
4-13	A. E. Johnston	——	——	——	0.0
6-19	Johnston and Rasmussen	6.0	0.56	1.00	3.4
7-22	A. E. Johnston	——	——	——	.0
1932					
5-2	A. E. Johnston	——	——		0.0
6-20	do	——	——	——	.0
8-1	do	——	——	——	.0
8-22	do	——	——	——	.0
9-19	do	3.3	1.00	——	3.3

RIVERSIDE CANAL—D-18, A-1674
Diverted from Frenchman River—Sec. 33-4-32 W.
Measurements Made at Headgate

1929					
5-13	C. E. Franklin	——	——	——	0.0
6-10	do	——	——	——	.0
6-28	do	7.0	1.05	——	7.4
7-12	do	——	——	——	.0
8-3	do	9.4	1.20	——	12.0
8-28	do	——	——	——	.0
9-27	do	11.3	.84	——	9.5
1930					
3-10	C. E. Franklin	——	——	——	0.0
4-20	do	——	——	——	.0
5-5	do	——	——	——	.0
5-18	do	——	——	——	.0
6-1	do	——	——	——	.0
6-22	do	9.0	1.41	——	12.6
7-11	do	——	——	——	.0
7-29	do	8.0	1.25	——	10.0
8-11	do	12.8	0.90	——	11.6
8-26	do	6.8	0.90	——	6.1
9-9	do	4.7	0.49	——	2.3
9-23	do	——	——	——	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

RIVERSIDE CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
5-7	C. E. Franklin	.....	.....	.....	0.0
5-28	do	12.0	1.23	.....	14.8
6-19	do	9.0	1.37	.....	12.1
7-16	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8-26	do	8.0	.81	.....	6.4
9-11	do	4.0	1.24	.....	5.2
9-27	do	8.0	1.00	.....	7.9
1932					
6-19	A. W. Hall	.....	.....	.....	0.0
7-12	Hall and Korell	12.3	1.84	1.80	22.7
7-13	do	.....	.....	.....	.0
8-8	A. W. Hall	10.4	1.73	1.50	18.1
9-14	do	11.5	1.94	1.60	22.3

ROBERTS CANAL—A-1241

Diverted from Dry Spotted Tail Creek—Sec. 16-23-56 W.
Measurements Made below Headgate

1929					
7-18	A. W. Hall	.....	.....	.....	0.0
1930					
9-10	A. W. Hall	.....	.....	.....	0.0
1932					
7-2	F. F. LeFever	.....	.....	.....	3.0

RUNGE CANAL NO. 1—D-339

Diverted from Lodgepole Creek—Sec. 20-14-50 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-24	do	.....	.....	.....	.0
6-26	do	3.1	0.97	.....	3.0
7-9	do	2.2	1.30	.....	2.9
9-14	do	.....	.....	.....	.0
1930					
3-4	C. E. Franklin	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.0
5-13	do	.....	.....	.....	.0
6-12	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8-5	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-4	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

RUNGE CANAL NO. 1—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-3	C. E. Franklin	2.5	1.32	.....	3.3
5-21	do	2.0	1.48	.....	2.0
6-15	do	3.0	1.11	.....	2.8
7-24	do	2.0	.21	.....	.5
8-19	do	1.0	.78	.....	1.1
9-5	do	1.0	1.00	.....	1.2
9-25	do	3.0	.47	.....	1.5
1932					
10-12	A. E. Johnston	6.0	1.07	1.10	6.1
10-22	do	4.0	0.86	.80	3.0
11-3	do	.....	.....	.....	.0
4-20	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6-6	do	.....	.....	.....	.0
6-24	do	8.4	.76	1.56	6.4
7-15	do	6.4	.55	1.15	3.5
8-5	do	10.4	.87	1.82	4.1
8-14	J. V. Ruzicka	8.1	.85	1.50	6.1
8-25	A. E. Johnston	7.5	.47	1.32	3.6
9-22	do	6.8	.77	1.40	5.2

RUNGE CANAL NO. 2—D-338
Diverted from Lodgepole Creek—Sec. 20-14-50 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-24	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-9	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0
1930					
3-4	C. E. Franklin	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.0
5-13	do	.....	.....	.....	.0
6-12	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8-5	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-4	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

RUNGE CANAL NO. 2—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-3	C. E. Franklin	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
7-24	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

RUSH CREEK CANAL—D-802

Diverted from North Platte River—Sec. 2-17-46 W.
Measurements Made at Rating Flume

1929					
5-24	A. E. Johnston	.....	.....	.....	0.0
6-24	do	5.8	0.67	1.25	3.9
7-22	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
1930					
4-15	A. E. Johnston	.....	.....	.....	0.0
7-15	do	.....	.....	.....	.0
7-24	do	4.8	0.71	1.00	3.4
8-4	do	4.4	.54	.....	2.4
8-9	do	2.5	.84	.64	2.1
8-24	do	1.0	.93	.30	.9
9-26	do	.7	.43	.....	.3
1931					
10-29	A. E. Johnston	0.9	0.81	.....	0.7
5-16	do	.....	.....	.....	.0
6-12	do	7.0	1.16	1.30	8.0
6-23	do	4.0	.83	.62	3.0
6-27	do	3.0	.64	.45	2.0
7-10	do	2.0	.20	.41	.4
7-20	do	.....	.....	.20	.0
8-10	do	5.4	.60	1.00	3.2
8-21	do	5.2	.69	1.00	4.0
9-6	do	.....	.....	.....	.0
9-21	do	5.0	.96	.90	5.0
9-28	do	4.0	.65	.81	3.0
1932					
10-12	A. E. Johnston	6.0	1.07	1.10	6.1
10-22	do	4.0	.86	.80	3.0
11-3	do	.....	.....	.....	.0

RUTNER CANAL—A-906

Diverted from Lodgepole Creek—Sec. 30-14-47 W.
Measurements Made at Headgate

1929					
5-25	C. E. Franklin	.....	.....	.....	0.0
6-25	do	4.0	1.00	1.00	4.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

RUTNER CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
3-5	C. E. Franklin	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
4-30	do	2.0	1.00	.....	2.0
5-9	do	3.6	.86	.....	3.1
5-14	do	1.2	1.08	.....	1.3
5-25	do	2.8	1.00	.....	2.8
6-20	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-5	do	4.8	.56	.....	2.8
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-4	C. E. Franklin	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-23	do	3.0	0.37	1.25	1.2
7-25	do	.....	.....	.....	.0
8-16	do	5.0	.21	.....	1.0
8-21	do	.....	.....	.....	.0
9-1	do	4.0	1.10	.94	4.2
9-8	do	.....	.....	.....	.0
9-24	do	4.0	.95	1.00	4.2
9-25	do	.....	.....	.....	.0

RUTNER BROTHERS CANAL—A-1645
Diverted from Lodgepole Creek—Sec. 32-14-47 W.
Measurements Made at Headgate

1929					
5-25	C. E. Franklin	.....	.....	.....	0.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
1930					
3-5	C. E. Franklin	.....	.....	.....	0.0
4-16	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

RUTNER BROTHERS CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
5-1	C. E. Franklin	.....	.....	.....	0.0
5-4	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

RUTNER-KINNEY CANAL—D-345, D-350, A-718, A-1828
Diverted from Lodgepole Creek—Sec. 31-15-56 W.
Measurements Made at Headgate

1929					
5-7	C. E. Franklin		.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-8	do	4.0	0.55	1.00	2.2
9-17	do	4.7	.74	.....	3.5
1930					
3-14	C. E. Franklin	.....	.....	.....	0.0
6-28	do	4.4	0.42	.....	1.8
7-18	do	5.2	.68	.....	3.5
8-7	do	4.8	.67	.....	3.2
8-23	do	5.6	.43	.....	2.4
9-19	do	.....	.....	.....	.0
1931					
5-20	C. E. Franklin	.....	.....	.....	0.0
6-13	do	3.0	0.21	0.80	.6

SAND CREEK CANAL, EAST—A-974
Diverted from Gravel Creek—Sec. 9-14-36 W.
Measurements Made below Headgate

1929					
6-26	A. E. Johnston	1.1	1.55	.....	1.7
7-18	do	.....	.....	.....	.0
1930					
7-17	A. E. Johnston	.....	.....	.....	0.0
7-25	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9-23	do	2.4	1.46	.....	3.5

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SAND CREEK CANAL, EAST—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-3	A. E. Johnston	.....	.....	.....	0.0
6-1	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-4	do	.....	.....	.....	.0
1932					
10-31	A. E. Johnston	.....	.....	.....	0.0
5-11	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
8-6	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

SAND CREEK CANAL, WEST—A-974
Diverted from Gravel Creek—Sec. 9-14-36 W.
Measurements Made below Headgate

1929					
6-26	A. E. Johnston	.....	.....	.....	0.0
7-18	do	.....	.....	.....	.0
1930					
7-17	Johnston and Raish	.....	.....	.....	0.0
7-25	A. E. Johnston	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
1931					
10-3	A. E. Johnston	.....	.....	.....	0.0
1932					
10-31	A. E. Johnston	.....	.....	.....	0.0
5-11	do	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0

SCHERMERHORN CANAL—A-418
Diverted from North Platte River—Sec. 16-20-51 W.
Measurements Made at Headgate

1931					
6-12	A. W. Hall	1.0	0.90	.....	0.9
1932					
8-16	Hall and Boodry	0.8	1.62	0.45	1.3
9-15	F. F. LeFever	.....	.....	.39	.4
9-16	do	1.0	4.19	.81	4.2

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SCOTTSBLUFF FACTORY CANAL—A-1592
Diverted from Winters Creek—Sec. 19-22-54 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-23	F. F. LeFever	17.0	.....	.....	12.0
6-4	do	9.0	.....	.....	9.0
6-17	do	11.0	.....	.....	17.0
6-25	do	8.0	.....	.....	12.0
7-6	do	11.0	1.42	0.90	15.7
7-13	do	6.0	.21	.15	1.3
7-13	do	12.0	.86	.86	11.4
7-13	do	10.0	.90	.64	9.0
7-26	do	10.0	1.50	.98	15.0
8-3	do	14.0	1.13	1.55	15.8
8-17	do	.....	.....	1.36	18.7
9-3	do	.....	.....	.....	.2
9-9	do	6.0	1.55	.76	9.3
9-20	do	6.0	1.66	1.15	10.2

SHELDON CANAL—A-493
Diverted from East Ash Creek—Sec. 30-32-50 W.
Measurements Made at Headgate

1931					
5-22	Johnston and Rasmussen	.....	.....	.....	0.0
6-20	A. E. Johnston	3.0	0.81	.....	2.1
9-11	do	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

SHEPHERD CANAL—A-1965
Diverted from Squaw Creek—Sec. 36-34-57 W.
Measurements Made at Headgate

1931					
4-11	Johnston and Rasmussen	0.4	1.25	.....	0.5
5-21	do	.3	.67	.....	.2
6-16	A. E. Johnston	1.0	.93	.....	.3
1932					
5-3	Johnston and Rasmussen	1.7	1.35	.....	2.3
8-2	A. E. Johnston	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SHERIDAN-WILSON CANAL—D-710
Diverted from North Platte River—Sec. 20-14-35 W.
Measurements Made at Headgate—Lower Station

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
5-12	A. E. Johnston	5.2	1.72	0.92	8.9
5-19	do	2.9	1.18	.65	3.5
5-26	do	4.6	1.08	.85	4.9
6-3	do	14.7	1.66	1.90	24.4
6-9	do	9.8	.71	1.62	6.9
6-27	do	12.6	.98	1.74	12.3
7-8	do	14.0	.90	2.10	12.6
7-18	do	21.4	.46	1.76	9.9
7-30	do	23.8	.99	2.94	23.6
8-8	do	20.6	.95	2.80	19.6

SHERIDAN-WILSON CANAL—D-710
Diverted from North Platte River—Sec. 20-14-35 W.
Measurements Made at Rating Flume

1929					
6-27	A. E. Johnston	5.6	0.68	——	3.8
7-18	do	2.4	.58	——	1.4
7-24	do	.1	.42	——	.6
7-31	do	.3	5.70	——	1.8
8-13	do	4.1	5.00	——	2.0
8-28	do	5.2	.40	——	2.0
9-5	do	1.7	.42	——	.7
1930					
10-2	A. E. Johnston	——	——	——	0.0
4-18	do	——	——	——	.0
5-8	do	0.9	1.04	——	1.0
6-5	do	——	——	——	.0
6-30	do	——	——	——	.0
7-5	do	——	——	——	.0
7-10	do	——	——	——	.0
7-11	do	——	——	——	.0
7-14	do	3.0	1.40	0.90	4.2
7-17	do	7.2	1.72	1.24	12.4
7-22	do	13.0	1.51	2.90	19.6
7-26	do	43.9	1.00	3.00	43.8
7-28	do	17.1	1.02	3.30	17.5
8-1	do	11.1	.82	1.55	9.1
8-2	do	12.1	.58	1.70	7.1
8-4	do	14.3	.77	2.00	11.0
8-6	do	12.2	.62	1.85	7.6
8-7	do	12.4	.63	1.82	7.9
8-12	do	23.1	.88	3.05	20.0
8-26	do	12.2	.70	1.90	8.6
9-22	do	4.0	.82	.85	3.3

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SHERIDAN-WILSON CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
10-3	A. E. Johnston	.....	——	——	0.0
10-27	do	——	——	——	.0
11-8	do	.....	.....	.....	.0
5-14	do	——	——	——	.0
6-2	do	5.9	1.83	1.15	10.8
6-9	do	12.0	1.75	1.50	21.0
6-25	do	4.0	.74	.90	3.0
7-8	do	20.0	.20	2.80	4.0
7-18	do	22.0	.46	2.95	10.0
7-29	do	23.0	1.02	3.00	23.2
7-30	do	8.0	.94	.90	7.2
8-4	do	7.2	1.27	1.02	9.2
8-13	do	6.1	.71	.90	4.3
8-18	do	8.4	1.36	1.05	12.0
9-3	do	4.4	1.29	.81	6.0
9-18	do	8.2	1.32	1.00	11.0
1932					
10-2	A. E. Johnston	2.0	0.25	0.65	0.4
10-9	do	.....	.....	.68	.1
10-24	do	——	——	——	.0
10-31	do	.....	.....	.....	.0
4-11	do	4.7	1.76	.85	8.3
4-18	do	8.5	2.07	1.35	17.4
7-18	do	8.1	1.44	.95	11.6
7-30	J. V. Ruzicka	13.4	1.97	1.22	26.4
8-8	A. E. Johnston	11.7	1.26	1.28	14.7
8-13	do	3.6	2.28	.88	8.2
8-19	do	4.4	2.14	1.04	9.4
8-29	do	10.5	1.31	1.00	13.7
9-24	do	5.0	.96	.60	4.8

SHORT LINE CANAL—D-946
Diverted from North Platte River—Sec. 25-21-53 W.
Measurements Made at Headgate

1929					
6-11	A. W. Hall	10.9	1.35	0.50	14.7
7-5	do	28.3	.84	1.35	23.7
7-16	do	17.0	1.53	1.50	26.1
8-3	do	11.8	1.72	1.10	20.4
8-14	do	7.6	1.00	.45	7.6
1930					
5-20	A. W. Hall	——	.....	——	0.0
6-6	do	.....	.....	——	.0
6-21	do	18.8	1.97	1.40	37.0
7-12	do	18.3	1.57	1.20	28.8
7-18	do	19.2	1.38	1.20	26.6

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SHORT LINE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-5	C. E. Franklin	.....	.....	.....	0.0
6-6	A. W. Hall	14.5	1.43	0.90	20.6
6-17	do	17.0	1.52	.80	26.0
7-7	do	22.0	.89	1.15	19.3
8-11	do	.....	.....	.....	.0
8-24	A. E. Johnston	5.0	.88	.35	4.1
1932					
10-3	A. W. Hall	11.0	1.15	1.20	13.0
4-5	A. E. Johnston	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5-11	F. F. LeFever	.....	.....	.....	.0
5-19	do	.....	.....	.....	.0
5-26	do	16.0	.....	1.54	30.3
6-6	do	.....	.....	.....	.5
6-21	Follansbee and LeFever	.....	.....	.29	1.0
6-27	F. F. LeFever	27.0	.....	1.68	38.0
7-9	do	18.0	.40	1.14	7.2
7-16	do	27.0	.92	1.89	24.8
7-26	do	18.0	1.11	1.62	20.1
8-5	do	23.0	1.36	1.90	31.4
8-19	do	.....	.....	1.77	19.9
9-3	do	10.0	.....	1.49	10.4
9-12	do	13.0	1.08	1.68	13.8

SIGNAL BLUFF CANAL—D-807
Diverted from North Platte River—Sec. 16-16-43 W.
Measurements Made at Headgate

1929					
5-23	A. E. Johnston	.....	.....	.....	0.0
6-24	do	14.2	1.04	2.30	14.8
7-20	do	.....	.....	.....	.0
8-2	A. W. Hall	.....	.....	.....	.0
1930					
10-4	A. E. Johnston	.....	.....	.....	0.0
6-3	do	.....	.....	.....	.0
7-11	do	2.0	1.40	.....	2.8
7-24	do	.....	.....	.....	4.0
7-25	do	.....	.....	.....	.0
8-4	do	1.6	.76	.....	2.1
8-28	do	4.2	.83	1.65	3.5
9-24	do	1.9	.53	.....	1.0
1931					
10-29	A. E. Johnston	2.0	1.30	1.50	2.6
5-16	do	.....	.....	.....	.0
5-31	do	4.3	.50	1.60	2.1
6-12	do	10.0	.82	2.05	8.5
6-23	A. W. Hall	11.0	.55	2.25	6.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SIGNAL BLUFF CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
6-27	A. E. Johnston	14.0	.37	2.45	5.0
7-10	do	.....	.....	.....	.0
7-20	do	2.2	.76	1.62	2.0
8-11	do	3.4	.73	1.68	3.0
8-20	do	3.0	.73	1.60	2.0
9-4	do	3.2	1.54	.....	5.0
9-21	do	4.0	.60	1.85	2.2
9-28	do	5.0	.66	1.84	2.3
1932					
10-12	A. E. Johnston	3.0	0.97	1.82	3.0
10-22	do	2.0	.82	1.60	1.3
11-3	do	1.0	.57	1.50	.8
4-20	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6-6	do	5.9	1.06	2.05	6.2
6-7	Johnston and Follansbee	4.8	.88	2.00	4.2
6-24	A. E. Johnston	12.6	1.06	2.60	13.4
7-6	do	11.4	.90	2.65	10.2
7-15	do	.....	.....	.....	.0
7-27	J. V. Ruzicka	3.3	1.21	1.95	4.0
8-5	A. E. Johnston	6.9	.98	2.15	6.8
8-26	do	4.4	1.26	1.95	5.5
9-12	do	4.1	.88	1.90	3.6
9-23	do	5.2	1.54	1.95	7.9

SIMONS CANAL—A-1626

Diverted from White River—Sec. 4-32-51 W.
Measurements Made at Whitney Pipe Line

1929					
6-21	A. E. Johnston	.....	.....	.....	0.0
9-11	do	.....	.....	.....	.0
1930					
10-11	A. E. Johnston	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
9-4	do	.....	.....	.....	.0
9-29	do	.....	.....	.....	.0
1931					
11-1	A. E. Johnston	.....	.....	.....	0.0
4-13	do	.....	.....	.....	.0
5-22	Johnston and Rasmussen	3.0	1.20	0.70	3.0
6-20	A. E. Johnston	1.0	1.10	.....	1.2
7-22	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SIMONS CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	2.7	0.37	.....	1.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

SIX MILE CANAL—D-680
Diverted from Platte River—Sec. 11-11-26 W.
Measurements Made at Rating Flume

1929					
4-22	A. E. Johnston	.....	.....	.....	0.0
5-17	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-29	do	.....	.....	.....	.0
7-16	do	15.4	0.70	2.05	10.9
7-25	do	18.4	.97	2.40	17.8
7-30	do	16.6	.81	2.10	13.4
8-2	do	20.6	.98	2.60	20.3
8-4	do	18.4	.96	2.35	17.3
8-5	do	18.8	1.07	2.35	20.1
8-7	do	.....	.....	2.30	.....
8-10	do	18.8	1.01	2.35	19.1
8-12	do	19.4	1.01	2.40	19.7
8-14	do	14.4	.64	1.80	9.2
8-23	do	17.2	.91	2.20	15.7
8-24	do	.....	.....	2.30	16.0
8-30	do	11.6	.26	1.40	3.2
9-3	do	10.8	.43	1.40	2.5
9-30	do	10.0	.46	1.20	5.0
1930					
5-6	A. E. Johnston	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
6-7	do	.....	.....	.....	.0
7-1	do	.....	.....	.....	.0
7-3	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
7-29	do	21.5	1.40	3.00	30.0
7-31	do	20.0	1.30	2.70	26.0
8-13	do	17.0	1.64	.....	28.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SIX MILE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-6	A. E. Johnston	.....	.....	.....	0.0
10-21	do	.....	.....	.....	.0
11-12	do	.....	.....	.....	.0
5-12	do	.....	.....	.....	.0
6-8	do	4.0	0.89	0.65	3.0
6-23	do	5.0	.90	.75	5.0
7-1	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-13	do	16.4	1.44	2.15	24.0
7-14	do	17.0	.99	1.95	17.0
7-16	do	4.0	.96	.50	4.0
8-14	do	.....	.....	.....	.0
8-17	do	16.4	1.00	2.15	16.4
9-1	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
1932					
10-5	A. E. Johnston	.....	.....	.....	0.0
10-7	do	13.0	0.81	1.50	10.2
10-27	do	.....	.....	.....	.0
10-29	do	.....	.....	.....	.0
4-13	do	.....	.....	.....	1.5
4-15	do	.....	.....	.....	.0
5-13	do	2.1	.80	.28	1.7
5-17	do	.....	.....	.....	.5
5-27	do	.....	.....	.....	.0
6-1	do	9.2	.96	1.05	8.8
6-11	do	13.0	1.15	1.53	14.9
6-29	do	8.4	1.17	.95	9.8
7-11	do	.9	.74	.10	.7
7-20	do	17.4	1.53	2.12	26.7
8-10	do	6.2	1.20	.59	7.4
8-31	do	9.4	1.17	1.00	11.0
9-7	do	3.3	.90	.40	3.0
9-27	do	18.6	1.56	2.24	29.0

SLATTERY CANAL—A-749

Diverted from Dead Horse Creek—Sec. 32-33-49 W.
Measurements Made at Headgate

1929					
6-21	A. E. Johnston	.....	.....	.....	0.0
1930					
7-22	A. W. Hall	0.2	0.77	.....	0.2
9-4	do	.....	.....	.....	.0
1931					
4-13	A. E. Johnston	0.3	0.80	.....	2.4
5-25	do	.....	.....	.....	.0
6-17	Johnston and Rasmussen	.....	.....	.....	.0
6-20	A. E. Johnston	1.0	.34	.....	.3

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SLATTERY CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-19	A. E. Johnston	.....	.....	.....	.0
11-7	do	.....	.....	.....	.0
5-2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

SMEED CANAL—D-341
Diverted from Lodgepole Creek—Sec. 8-14-58 W.
Measurements Made at Headgate

1930					
3-15	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-28	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
1932					
7-7	Hall and Hanna	.....	.....	.....	0.0
9-10	A. W. Hall	.....	.....	.....	.0

SMITH CANAL—A-850
Diverted from Lodgepole Creek—Sec. 12-12-45 W.
Measurements Made at Headgate

1929					
5-25	C. E. Franklin	.....	.....	.....	0.0
6-27	do	.....	.....	.....	.0
1930					
4-17	C. E. Franklin	.....	.....	.....	0.0
5-1	do	.....	.....	.....	.0
5-30	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-8	do	4.4	0.75	.....	3.3
7-27	do	.....	.....	.....	.0
8-9	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SMITH CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
5-3	A. E. Johnston	.....	.....	.....	0.0
6-22	do	7.0	0.71	.....	.5

SODERQUIST CANAL—A-1237
Diverted from Lodgepole Creek—Sec. 36-13-45 W.
Measurements Made at Headgate

1929					
5-25	C. E. Franklin	.....	.....	.....	0.0
7-11	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
5-30	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8-9	do	.....	.....	.....	.0
8-21	do	0.2	0.30	.....	.5
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-21	do	2.0	0.10	.....	.2
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1932					
5-6	A. E. Johnston	.....	.....	.....	0.0

SOEHL CANAL—D-697a
Diverted from Lonergan Creek—Sec. 17-15-39 W.
Measurements Made at Headgate

1929					
6-26	A. E. Johnston	.....	.....	.....	0.0
7-19	do	0.2	.....	.....	3.8
1930					
6-4	A. E. Johnston	.....	.....	.....	0.0
8-2	do	.....	.....	.....	.0
8-4	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-11	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SOEHL CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-15	A. E. Johnston	2.2	1.32	.....	2.9
6-1	do	1.5	2.40	.....	3.6
6-11	do	.....	.....	.....	.0
6-26	do	1.0	1.46	0.65	2.0
6-30	Johnston and Frame	.....	.....	.....	.0
7-9	A. E. Johnston	1.0	1.33	.70	1.2
7-19	do	2.0	1.33	.81	2.3
7-28	do	2.0	1.30	.80	2.1
8-12	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-4	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
1932					
10-1	A. E. Johnston	.....	.....	.....	0.0
10-10	do	.....	.....	.....	.0
4-19	do	.....	.....	.....	.0
5-11	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6-4	do	.....	.....	.....	.0
6-8	Johnston and Follansbee	.....	.....	.....	.0
6-25	A. E. Johnston	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
8-6	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0

SOEHL CANAL—D-697b
Diverted from Lonergan Creek—Sec. 17-15-39 W.
Measurements Made at Headgate

1929					
6-26	A. E. Johnston	.....	.....	.....	0.0
7-19	do	.....	.....	.....	.0
1930					
6-4	A. E. Johnston	.....	.....	.....	0.0
8-2	do	.....	.....	.....	.0
8-4	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-11	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
1931					
5-15	A. E. Johnston	.....	.....	.....	0.0
6-1	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
6-30	Johnston and Frame	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SOEHL CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
7-9	A. E. Johnston	.....	.....	.....	.0
7-19	do	.....	.....	.....	.0
7-28	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-4	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
1932					
10-1	A. E. Johnston	.....	.....	.....	0.0
10-10	do	.....	.....	.....	.0
4-19	do	.....	.....	.....	.0
5-11	do	.....	.....	.....	.0
5-20	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
6-4	do	.....	.....	.....	.0
6-8	Johnston and Follansbee	.....	.....	.....	.0
6-25	A. E. Johnston	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0
8-6	do	.....	.....	.....	.0
8-27	do	.....	.....	.....	.0

SOLDIER CREEK CANAL
Diverted from Soldier Creek
Used on U. S. Military Reservation
Measurements Made below Headgate
Sec. 18-31-52 W.

1930					
5-14	A. E. Johnston	.....	.....	.....	0.0
9-3	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0
1931					
10-31	A. E. Johnston	.....	.....	.....	0.0
4-10	do	.....	.....	.....	.0
5-25	do	2.0	1.47	.....	3.1
6-19	do	1.0	1.07	.....	1.4
7-22	do	1.0	.45	.....	.2
9-12	do	.....	.....	.....	1.0
1932					
10-20	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-4	do	2.0	1.80	.....	3.6
6-21	do	1.3	1.00	.....	1.3
8-2	do	1.4	.43	.....	.6
8-23	do	2.1	1.05	.....	2.2
9-20	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SOW BELLY CANAL—D-533
Diverted from Sow Belly Creek—Sec. 7-32-55 W.
Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-21	Johnston and Rasmussen	.....	.....	.....	0.0
6-16	do	1.0	1.70	.....	1.7
1932					
5-3	A. E. Johnston	.....	.....	.....	0.0
6-22	do	.....	.....	.....	.0
8-2	do	1.8	1.05	.....	1.9
8-24	do	1.7	.88	.....	1.5

SPOHN CANAL—D-801
Diverted from North Platte River—Sec. 13-17-45 W.
Measurements Made at Rating Flume

1929					
5-24	A. E. Johnston	.....	.....	.....	0.0
6-24	do	17.2	0.73	1.75	12.5
7-20	do	.....	.....	.60	2.1
8-2	A. W. Hall	12.6	1.15	1.65	14.6
8-14	C. E. Franklin	5.6	1.03	.90	5.8
1930					
10-4	A. E. Johnston	.....	.....	.....	0.0
4-15	A. W. Hall	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-5	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8-3	do	7.8	1.35	1.10	10.5
8-9	do	.....	.....	.40	.....
8-19	do	.....	.....	.....	.0
8-29	A. E. Johnston	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
1931					
10-29	A. E. Johnston	.....	.....	.....	0.0
5-16	do	.....	.....	.....	.0
5-30	do	.....	.....	.....	.0
6-12	do	6.5	0.95	1.00	6.0
6-22	A. W. Hall	11.0	.77	1.32	8.0
6-27	A. E. Johnston	10.0	.80	1.60	8.0
7-10	do	.....	.....	.....	4.0
7-20	do	.....	.....	1.00	.0
8-10	do	11.4	1.12	1.60	13.0
8-21	do	7.0	1.14	.90	8.0
9-6	do	2.0	.38	.25	1.0
9-21	do	9.0	1.69	1.30	15.0
9-29	do	3.0	.48	.....	1.2

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SPOHN CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1932					
10-12	A. E. Johnston	.....	.....	.....	0.0
10-22	do	.....	.....	.....	.0
11-3	do	.....	.....	.....	.0
4-20	do	.....	.....	.....	.0
5-10	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6-6	do	7.3	0.44	1.00	3.2
6-24	do	16.8	.89	1.78	15.0
7-5	do	9.1	.84	1.10	7.6
7-15	do	6.2	1.01	.80	6.2
8-5	do	8.4	1.27	1.10	10.7
8-14	J. V. Ruzicka	8.5	.91	.92	7.7
8-26	A. E. Johnston	5.3	.99	.77	5.2
9-22	do	5.3	.68	.65	3.6

SPRING CREEK CANAL NO. 1—D-473

Diverted from Spring Creek—Sec. 7-32-51 W.
Measurements Made at Headgate

1929					
6-21	A. E. Johnston	.....	.....	.....	0.6
9-11	do	1.4	0.39	.....	.5
1930					
9-4	A. E. Johnston	.....	.....	.....	0.0
1931					
11-1	A. E. Johnston	.....	.....	.....	0.0
11-8	do	.....	.....	.....	.0
4-11	do	.....	.....	.....	.0
5-21	Johnston and Rasmussen	.....	.....	.....	.6
6-19	A. E. Johnston	.....	.....	.....	.0
7-22	do	1.0	0.76	0.40	.7
9-11	do	1.0	1.30	.....	1.0
9-26	do	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	1.1	1.91	.....	2.1
9-19	do	.....	.....	.....	.0

SPRING CREEK CANAL NO. 2—D-473

Diverted from Spring Creek—Sec. 13-32-51 W.
Measurements Made at Headgate

1929					
6-21	A. E. Johnston	.....	.....	.....	0.0
1930					
8-2	A. E. Johnston	.....	.....	.....	0.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SPRING CREEK CANAL NO. 2—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
11-8	A. E. Johnston	.....	.....	.....	0.0
1932					
5-3	A. E. Johnston	0.4	1.00	.....	0.4
6-22	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0

STAFFORD CANAL—A-2114
Diverted from Willow Creek—Sec. 15-14-35 W.
Measurements Made at Headgate

1930					
7-14	A. E. Johnston	1.2	1.16	.....	1.4
7-22	do	.....	.....	.....	.0
7-28	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0
1931					
10-27	A. E. Johnston	1.4	1.14	.....	1.6
11-8	do	.....	.....	.....	.0
6-2	do	.....	.....	.....	.0
6-9	do	.2	.25	.....	.1
6-25	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-18	do	1.0	1.00	.....	1.1
7-29	do	1.0	1.15	.....	.6
8-4	do	1.0	1.39	.....	.8
8-13	do	1.0	1.15	.....	.6
8-18	do	1.0	1.00	.....	.4
9-3	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0
1932					
10-2	A. E. Johnston	2.0	0.64	.....	1.2
10-9	do	1.0	1.42	.....	1.0
10-24	do	.....	.....	.....	1.1
10-31	do	1.0	2.36	.....	1.7
4-11	do	.5	.40	.....	.2
4-18	do	.9	.67	.....	.6
5-12	do	.....	.....	.....	.0
5-19	do	.....	.....	.....	.0
5-26	do	.....	.....	.....	.0
6-3	do	.....	.....	.....	.0
6-9	do	.5	1.00	.....	.5
6-27	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-8	do	.....	.....	.....	.0
8-29	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

STEAMBOAT CANAL—A-186, A-350
Diverted from North Platte River—Sec. 4-21-54 W.
Measurements Made at Rating Flume

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-23	A. E. Johnston	.....	.....	.....	0.0
6-22	do	1.9	0.42	0.35	.8
1930					
5-20	A. W. Hall	.....	.....	.....	0.0
6-21	do	.....	.....	.....	.0
7-2	do	.....	.....	.....	.0
1931					
5-15	A. W. Hall	.....	.....	.....	0.0
6-6	do	12.5	0.91	1.40	11.4
6-17	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
8-11	do	9.3	.47	1.00	4.4
1932					
4-5	A. E. Johnston	.....	.....	.....	0.0
4-22	do	.....	.....	.....	.0
5-10	F. F. LeFever	.....	.....	.....	.0
5-19	do	.....	.....	.....	.0
6-6	do	9.0	0.54	0.86	5.0
7-14	do	7.0	.34	.74	2.4

STUART CANAL—D-425
Diverted from Little Cottonwood Creek—Sec. 8-32-52 W.
Measurements Made below Headgate

1929					
9-29	A. E. Johnston	.....	.....	.....	0.0
1930					
11-1	A. E. Johnston	.....	.....	.....	0.0
1931					
4-10	A. E. Johnston	.....	.....	.....	0.0
5-23	Johnston and Rasmussen	.....	.....	.....	.0
6-19	A. E. Johnston	1.0	1.00	.....	.3
7-22	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	.....	.....	.....	.0
5-2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

STUART CANAL—A-8

Diverted from Little Cottonwood Creek—Sec. 17-32-52 W.
Measurements Made below Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
6-20	A. E. Johnston	.....	.....	.....	0.0
1930					
9-3	A. E. Johnston	.....	.....	.....	0.0
9-29	do	.....	.....	.....	.0
1931					
11-1	A. E. Johnston	.....	.....	.....	0.0
4-10	do	3.2	1.72	.....	5.5
5-23	Johnston and Rasmussen	.....	.....	.....	.0
6-19	do	1.0	.83	.....	1.1
7-22	do	.....	.....	.....	.0
1932					
11-7	A. E. Johnston	.....	.....	.....	0.0
5-2	do	.....	.....	.....	.0
6-20	do	1.9	0.79	.....	1.5
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

STUART-GOLDEN CANAL—D-425, A-8

Diverted from Little Cottonwood Creek—Sec. 17-32-52 W.
Measurements Made at Headgate

1931					
4-10	A. E. Johnston	.....	.....	.....	0.0
5-23	do	1.8	1.56	.....	2.8
6-19	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
1932					
11-7	A. E. Johnston	.....	.....	.....	0.0
5-2	do	3.8	1.55	.....	5.9
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

STUMPH CANAL—D-1023½

Diverted from East Ash Creek—Sec. 32-32-50 W.
Measurements Made at Headgate

1929					
6-21	A. E. Johnston	.....	.....	.....	0.0
1930					
9-4	A. E. Johnston	.....	.....	.....	0.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

STUMPH CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
4-13	A. E. Johnston	.....	.....	.....	0.0
5-22	Johnston and Rasmussen	3.0	1.18	.....	4.0
6-20	A. E. Johnston	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	1.0	1.50	.....	1.2
11-7	do	1.0	1.22	.....	1.1
5-2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

SUBURBAN CANAL—D-662

Diverted from North Platte River—Sec. 12-14-33 W.
Measurements Made at Rating Flume

1929					
5-21	A. E. Johnston	.....	.....	.....	0.0
6-13	do	17.7	3.92	1.00	69.3
6-27	do	19.6	3.10	.90	59.7
7-18	do	50.9	1.79	1.55	90.8
7-24	do	61.5	1.83	1.80	112.6
7-31	do	67.2	2.03	1.85	136.4
8-13	do	73.0	2.02	1.65	147.9
8-28	do	47.1	1.81	1.35	85.5
9-5	do	52.0	1.70	1.50	87.0
1930					
10-2	A. E. Johnson	.....	.....	.....	0.0
5-8	do	4.7	1.37	0.30	6.4
6-6	do	.....	.....	.....	.0
6-30	do	16.2	2.95	.90	47.8
7-5	do	9.2	1.60	.60	14.7
7-10	do	8.4	2.16	.60	18.2
7-12	do	17.0	2.80	.90	47.8
7-13	do	19.2	3.00	.95	57.4
7-14	do	.....	.....	.....	.0
7-17	do	27.0	3.05	1.38	82.3
7-18	do	30.6	2.89	1.50	88.6
7-22	do	35.8	3.18	1.65	113.7
7-26	do	33.6	2.88	1.60	96.9
7-28	do	31.4	2.81	1.50	88.4
8-1	do	33.6	2.45	1.60	82.4
8-5	do	35.8	2.93	1.70	105.0
8-6	do	33.6	2.60	1.58	87.4
8-7	do	31.4	2.84	1.52	89.1
8-9	do	33.6	2.52	1.61	84.7
8-12	do	35.8	2.74	1.68	98.0
8-26	do	14.8	2.70	.80	40.0
9-22	do	10.8	2.98	.58	32.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SUBURBAN CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-27	A. E. Johnston	.....	.....	.....	0.0
11-8	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-2	do	22.8	3.30	1.15	75.0
6-9	do	29.0	2.83	1.45	83.0
6-25	do	33.0	2.33	1.60	77.0
6-29	do	41.0	3.04	2.00	123.0
7-8	do	31.0	2.84	1.52	88.0
7-18	do	29.4	2.66	1.40	78.3
7-29	do	32.4	2.79	1.55	91.0
8-4	do	32.0	2.64	1.50	85.0
8-13	do	32.0	2.66	1.55	84.1
8-18	do	30.0	2.82	1.52	84.2
9-3	do	32.0	2.19	1.55	69.3
9-18	do	30.4	2.16	1.52	66.0
1932					
10-2	A. E. Johnston	27.0	2.23	1.40	61.0
10-9	do	23.0	1.96	1.20	44.8
10-24	do	.....	.....	.....	.0
10-31	do	.....	.....	.....	.0
4-11	do	.....	.....	.....	.0
4-18	do	.....	.....	.....	.0
5-12	do	.....	.....	.....	.0
5-19	do	22.8	3.08	1.14	70.2
5-26	do	36.0	2.96	1.75	106.8
6-3	do	29.0	3.12	1.48	91.9
6-9	do	26.0	2.68	1.35	69.4
6-27	do	19.0	2.31	1.05	44.4
7-8	do	29.0	2.12	1.52	62.4
7-18	do	36.0	2.26	1.81	82.4
8-8	do	39.0	2.58	1.95	100.1
8-29	do	39.0	2.28	2.00	88.4
9-9	do	39.0	2.45	1.90	94.7
9-24	do	26.0	2.18	1.35	56.8

SUDMAN CANAL—A-1483

Diverted from Lodgepole Creek—Sec. 22-13-45 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	.....	.....	.....	0.0
7-10	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
5-1	do	.....	.....	.....	.0
5-30	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

SUDMAN CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1930					
7-27	C. E. Franklin	.....	.....	.....	.0
8-9	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

THIRTY MILE CANAL—A-1853, A-1976, A-2077
Diverted from Platte River—Sec. 30-12-26 W.
Measurements Made at Headgate

1929					
4-23	A. E. Johnston	.....	.....	.....	0.0
5-18	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-28	do	34.0	2.46	1.70	84.0
7-17	do	56.0	2.62	2.80	147.0
7-25	do	76.0	3.26	3.80	248.0
7-30	do	16.0	4.36	.80	70.0
8-2	do	40.0	4.13	2.00	165.0
8-5	do	56.0	3.83	2.80	215.0
8-7	do	.....	.....	3.15	.....
8-10	do	50.0	3.95	2.50	198.0
8-12	do	68.0	3.53	3.40	240.0
8-14	do	54.0	3.93	2.75	163.0
8-15	do	71.0	1.30	.65	92.0
8-23	do	80.0	3.42	4.00	274.0
8-27	do	66.0	3.61	3.30	239.0
8-30	do	64.0	3.63	3.20	232.0
9-3	do	64.0	3.63	3.20	232.0
1930					
10-1	A. E. Johnston	.....	.....	.....	0.0
11-18	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6-7	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-1	do	.....	.....	.....	.0
7-3	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-9	do	.....	.....	.....	.0
7-29	do	29.0	2.69	1.45	77.9
7-31	do	55.0	2.46	2.75	135.2
8-13	do	38.0	2.70	1.93	102.9
8-22	do	65.0	2.51	3.25	163.8
9-19	do	42.0	2.78	2.10	116.8

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

THIRTY MILE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-6	A. E. Johnston	46.0	2.68	2.30	123.3
10-21	do	40.0	2.52	2.00	101.5
10-24	do	30.0	2.74	1.50	82.0
11-12	do	24.0	2.90	1.20	69.5
11-28	do	.....	.....	.....	.0
5-12	do	.....	.....	.....	.0
6-8	do	26.0	2.92	1.31	77.0
6-24	do	8.0	2.19	.40	18.0
7-1	do	.....	.....	.....	.0
7-7	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9-1	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
1932					
10-5	A. E. Johnston	64.0	2.15	3.20	14.0
10-7	do	70.0	2.24	3.52	156.0
10-27	do	.....	.....	.....	.0
10-29	do	88.0	2.70	4.40	237.0
4-13	do	52.0	3.04	2.62	158.2
4-15	do	62.0	3.10	3.10	192.0
5-13	do	56.0	2.33	2.78	130.5
5-17	do	60.0	2.56	2.98	154.0
5-27	do	32.0	2.58	1.60	82.7
6-1	do	46.0	2.39	2.30	110.0
6-10	do	35.7	3.11	2.10	114.3
6-29	do	50.0	2.80	2.50	140.0
7-11	do	60.0	3.00	3.02	179.6
7-20	do	.....	.....	.....	.0
8-10	do	76.0	3.26	3.76	248.0
8-13	do	34.0	3.04	1.68	103.7
8-31	do	41.0	3.36	2.05	137.9
9-7	do	76.8	2.96	3.20	227.3
9-27	do	30.0	3.02	1.50	90.8
9-30	do	65.0	3.65	3.25	236.5

THOMAS CANAL—A-2057

Diverted from East Ash Creek—Sec. 19-32-50 W.
Measurements Made at Headgate

1931					
4-13	A. E. Johnston	0.6	1.17	.....	0.7
5-22	Johnston and Rasmussen	.....	.....	.....	.0
6-20	A. E. Johnston	.....	.....	.....	.0
1932					
11-7	A. E. Johnston	1.0	0.52	.....	0.3
5-2	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

THOMAS CANAL—A-1748
Diverted from Big Bordeaux Creek—Sec. 34-34-48 W.
Measurements Made at Headgate

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1931					
4-14	A. E. Johnston	0.2	0.35	.....	0.1
5-25	do	1.0	1.31	.....	.6
8-7	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	1.0	0.66	.....	0.2
4-30	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0

THOMAS CANAL—A-1748
Diverted from Big Bordeaux Creek—Sec. 34-34-48 W.
Measurements Made at Intake

1929					
6-20	A. E. Johnston	.....	.....	.....	0.0
1930					
9-5	A. E. Johnston	.....	.....	.....	0.0
1931					
10-3	A. E. Johnston	.....	.....	.....	0.0
6-21	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

THOMAS CANAL—A-627
Diverted from Squaw Creek—Sec. 10-33-57 W.
Measurements Made at Headgate

1931					
6-17	Johnston and Rasmussen	.....	.....	.....	0.0
7-24	A. E. Johnston	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
1932					
10-17	A. E. Johnston	1.0	1.28	.....	0.9
6-20	do	.....	.....	.....	.0

TOBIN CANAL, EAST—D-330
Diverted from Lodgepole Creek—Sec. 28-14-47 W.
Measurements Made at Headgate

1930					
5-14	C. E. Franklin	.....	.....	.....	0.0
7-26	do	2.0	0.75	.....	1.5
8-8	do	2.0	.80	.....	1.6

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

TOBIN CANAL, EAST—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-4	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	2.0	0.65	.....	1.5
9-25	do	.....	.....	.....	.0
1932					
7-8	A. W. Hall	.....	.....	.....	0.0
8-12	do	.....	.....	.....	.0

TOBIN CANAL, WEST—D-330
Diverted from Lodgepole Creek—Sec. 28-14-47 W.
Measurements Made at Headgate

1930					
7-8	C. E. Franklin	1.8	0.22	.....	0.4
1932					
7-8	A. W. Hall	.....	.....	.....	0.0

TRACY CANAL—A-870
Diverted from Lodgepole Creek—Sec. 12-14-59 W.
Measurements Made at Headgate

1929					
5-7	C. E. Franklin	.....	.....	.....	0.5
5-23	do	.....	.....	.....	.5
6-25	do	.....	.....	.....	.5
7-8	do	.....	.....	.....	.1
9-17	do	.....	.....	.....	.0
1930					
3-15	C. E. Franklin	.....	.....	.....	0.0
4-24	do	.....	.....	.....	.0
5-9	do	.....	.....	.....	.0
5-24	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-28	do	2.8	1.00	.....	2.8
7-18	do	3.6	.69	.....	2.5
8-7	do	.....	.....	.....	.4
8-23	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
1931					
5-1	C. E. Franklin	.....	.....	.....	0.0
5-20	do	1.4	0.64	.....	.8
6-13	do	4.0	.81	.....	3.0
7-23	do	.....	.....	.....	.6
8-16	do	1.0	.58	.....	.7
8-31	do	.....	.....	.....	.0
9-24	do	2.0	.48	.....	.9

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

TRACY CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
6-2	A. W. Hall	.....	.....	.....	0.0
7-7	Hall and Hanna	3.3	0.36	.....	1.2
7-26	A. W. Hall	3.3	.76	.....	2.5
8-19	do	2.4	.88	.....	2.1
9-10	do	2.7	.41	.....	1.1

TRINNIER CANAL—D-849, A-1551
Diverted from Greenwood Creek—Sec. 28-18-50 W.
Measurements Made at Headgate

1929					
6-10	A W. Hall	2.1	1.47	.....	3.1
6-25	do	3.2	1.46	.....	4.7
1930					
8-22	A. W. Hall	2.4	0.96	.....	2.3
1931					
8-25	A. E. Johnston	5.0	1.72	1.35	7.9
1932					
4-8	A. E. Johnston	.....	.....	.....	0.0
4-21	do	.....	.....	.....	.0

TRI-STATE CANAL—D-918, A-660, A-768
From North Platte River—Sec. 3-23-58 W.
Measurements Made at Rating Station—Sec. 13-23-58 W.

1929					
5-21	A. W. Hall	220.0	2.74	2.40	602.0
6-13	do	312.0	3.08	3.40	961.0
7-3	do	366.0	3.48	4.40	1276.0
7-13	do	369.0	3.43	4.40	1270.0
8-15	do	373.0	3.10	4.40	1156.0
8-24	do	381.0	3.35	3.50	1278.0
1930					
5-2	A. W. Hall	64.0	2.11	2.14	134.0
5-9	do	157.0	2.46	2.10	385.0
5-21	do	138.0	2.04	1.60	281.0
5-22	do	183.0	2.46	2.20	451.0
6-7	do	364.0	2.10	3.45	763.0
6-12	do	377.0	2.14	3.50	805.0
6-21	do	328.0	3.03	4.05	944.0
6-26	do	391.0	3.18	4.30	1244.0
7-12	do	394.0	3.14	4.35	1235.0
7-18	do	409.0	3.10	4.38	1266.0
9-10	do	374.0	2.72	4.05	1016.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

TRI-STATE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
10-1	A. W. Hall	.....	.....	.....	0.0
5-13	do	66.0	1.88	0.85	124.0
5-23	Hall and Parsons	211.0	2.64	2.60	559.0
5-26	A. W. Hall	223.0	2.47	2.65	552.0
6-4	Hall and Parsons	390.0	2.86	4.35	1116.8
6-10	F. M. Roush	.....	.....	4.35	1216.0
6-18	A. W. Hall	383.0	3.06	4.07	1170.0
6-26	do	390.0	3.08	4.25	1204.0
7-1	Hall and Parsons	397.0	3.08	4.30	1221.0
7-9	do	383.0	3.10	4.20	1186.0
7-17	A. W. Hall	330.0	2.83	3.54	931.0
7-24	do	371.0	3.00	3.92	1117.0
8-5	do	342.0	2.91	3.60	996.0
8-14	F. F. LeFever	349.0	2.75	3.50	976.0
8-15	U. S. G. S.	.....	.....	3.23	872.0
8-17	F. F. LeFever	362.0	2.84	3.76	1030.0
8-20	A. W. Hall	352.0	2.88	3.65	1015.0
8-26	A. E. Johnston	340.0	2.40	3.18	817.0
9-1	F. F. LeFever	320.0	2.49	3.06	795.0
9-9	A. W. Hall	252.0	2.32	2.55	583.0
9-16	F. F. LeFever	225.0	2.33	2.25	525.0
9-23	do	175.0	1.94	1.69	365.0
9-30	A. W. Hall	262.0	1.61	1.95	421.0
1932					
4-[illegible]	A. E. Johnston	.....	.....	.....	0.0
4-25	do	.....	.....	.....	.0
[illegible]	F. F. LeFever	.....	.....	.....	.0
5-17	do	263.0	.....	5.78	605.0
5-20	J. A. Keimig	226.0	2.01	4.90	455.0
5-[illegible]4	F. F. LeFever	288.0	2.33	5.95	671.0
[illegible]-7	J. A. Keimig	308.0	2.40	6.33	742.0
6-[illegible]	F. F. LeFever	.....	.....	6.26	737.0
6-[illegible]	A. W. Hall	368.0	2.51	7.04	925.0
6-8	do	402.0	.....	7.90	1065.0
6-[illegible]	J. A. Keimig	.....	.....	7.54	1045.0
6-[illegible]4	F. F. LeFever	398.0	.....	7.91	1070.0
6-16	do	418.0	.....	8.00	1110.0
6-23	do	402.0	.....	7.76	1090.0
7-1	do	413.0	.....	7.99	1150.0
7-12	do	404.0	.....	7.78	1080.0
7-15	do	397.0	.....	7.78	1080.0
7-15	J. A. Keimig	.....	.....	7.78	1065.0
7-21	F. F. LeFever	402.0	.....	7.76	1090.0
7-30	do	398.0	.....	7.72	1070.0
8-10	do	395.0	2.71	7.66	1070.0
8-16	do	.....	.....	7.57	1050.0
8-25	do	415.0	2.53	7.67	1050.0
9-7	do	409.0	2.50	7.05	1020.0
9-19	do	339.0	2.20	6.23	748.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

TRI-STATE CANAL—D-918, A-660, A-768
From Akers Draw
Measurements Made at Bridge—Sec. 12-23-57 W.

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
7-13	A. W. Hall	49.5	0.26	——	12.9
7-19	do	54.3	.21	5.50	11.4
8-16	do	50.0	.20	4.45	10.2
9-14	do	31.0	.59	2.30	18.5
1930					
5-21	A. W. Hall	9.8	1.42	——	13.9
6-7	do	18.5	.74	——	13.6
6-13	do	23.0	.46	——	10.6
6-27	do	3.9	.31	3.30	12.2
7-12	do	3.6	.23	3.30	8.4
9-24	do	3.8	.34	——	12.9
1932					
5-23	F. F. LeFever	10.0	——	——	10.2
6-6	A. W. Hall	16.4	0.69	——	11.3
6-15	F. F. LeFever	12.0	——	——	10.9
6-24	do	11.0	——	——	12.0
7-12	do	36.0	.38	——	13.7
8-16	do	31.0	.49	——	15.2
9-8	do	31.0	.54	——	16.9
9-20	do	15.0	1.00	——	15.3

TRI-STATE CANAL—D-918, A-660, A-768
From Sheep Creek
Measurements Made at Intake—Sec. 8-23-57 W.

1930					
5-21	A. W. Hall	——	——	——	0.0
6-7	do	37.0	2.04	1.35	75.0
6-12	do	37.1	1.90	1.35	70.4
6-27	do	39.5	1.87	1.48	73.8
7-18	do	47.6	2.31	1.55	110.0
8-12	do	44.8	2.48	1.85	111.4
9-10	do	50.1	2.70	2.20	135.0
1931					
5-13	A. W. Hall	17.0	1.67	0.50	29.0
5-23	do	34.0	1.95	1.10	65.0
6-4	Hall and Parsons	34.0	1.97	1.25	67.0
6-18	A. W. Hall	35.0	2.10	1.25	73.0
6-26	do	39.0	2.21	1.48	87.0
7-1	Hall-Parsons-Glaze	39.0	2.24	1.48	86.0
7-10	A. W. Hall	39.2	2.17	1.48	85.1
7-25	do	39.0	2.29	1.45	89.2
8-5	do	39.1	2.29	1.46	90.0
8-20	do	41.4	2.42	1.60	100.1
8-27	A. E. Johnston	42.0	2.25	1.60	95.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

TRI-STATE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
9-2	F. F. LeFever	45.0	2.51	1.79	113.0
9-10	A. W. Hall	41.0	2.66	1.68	108.0
9-24	F. F. LeFever	48.0	2.53	1.84	118.0
1932					
10-1	A. W. Hall	46.0	2.24	1.59	104.0
4-25	A. E. Johnston	.....	.....	.....	0.0
5-24	F. F. LeFever	37.0	.....	2.36	73.3
6-2	do	39.0	.....	2.35	72.0
6-6	A. W. Hall	39.0	1.63	2.38	63.7
6-14	F. F. LeFever	41.0	.....	2.47	78.0
6-24	do	43.0	.....	2.48	83.0
7-2	do	39.0	2.18	2.48	85.2
7-12	do	44.0	1.96	2.55	86.2
7-21	do	47.0	1.91	2.60	90.0
7-30	do	49.0	2.05	2.75	100.4
8-16	do	33.0	2.57	2.52	84.8
8-25	do	49.0	2.24	2.86	111.0
9-8	do	41.0	2.69	2.85	110.5
9-20	do	44.0	2.60	2.95	114.3

TRI-STATE CANAL—D-918, A-660, A-768
From Lateral No. 1
Measurements Made at Headgate—Sec. 18-23-57 W.

1932					
5-24	F. F. LeFever	.....	.....	.....	0.0
6-2	do	5.0	.....	2.00	4.0
6-6	A. W. Hall	4.6	0.91	2.09	4.2
6-14	F. F. LeFever	.....	.....	1.95	3.2
7-2	do	4.0	1.05	2.00	4.2
7-21	do	3.0	1.33	1.90	4.0
8-16	do	4.0	.77	2.02	3.1
9-7	do	3.0	1.10	1.95	3.3
9-19	do	.....	.....	.....	.0

TRI-STATE CANAL—D-918, A-660, A-768
From Lateral No. 2
Measurements Made at Headgate—Sec. 18-23-57 W.

1932					
5-24	F.F. LeFever	9.0	.....	.....	7.7
6-2	do	13.0	.....	2.50	13.0
6-6	A. W. Hall	6.6	2.14	2.25	14.1
6-14	F. F. LeFever	5.0	.....	1.39	6.1
7-2	do	5.1	1.85	1.78	9.2
7-21	do	5.0	.....	1.59	9.0
8-16	do	9.0	1.21	2.13	10.9
9-7	do	6.0	1.68	1.95	10.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

TRI-STATE CANAL—D-918, A-660, A-768
From Dry Spotted Tail Creek
Measurements Made at Headgate—Sec. 9-23-56 W.

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
8-3	Hall and Parsons	19.0	1.84	.....	36.0
8-27	A. E. Johnston	21.0	1.84	2.00	38.4
9-2	F. F. LeFever	24.0	1.64	.....	39.0
9-10	A. W. Hall	18.0	1.60	1.85	29.0
9-24	F. F. LeFever	15.0	1.48	.....	23.0
1932					
10-1	A. W. Hall	14.0	1.47	1.68	21.2
6-3	F. F. LeFever	.....	.....	.....	.0
6-6	A. W. Hall	.....	.....	.....	.0
6-16	F. F. LeFever	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-5	do	11.0	2.25	1.92	24.8
7-12	do	18.0	1.73	2.35	31.2
7-22	do	20.0	.....	2.42	34.0
8-2	do	19.0	1.67	2.33	31.8
8-15	do	.....	.....	2.10	21.7
8-31	do	18.0	1.87	2.35	33.7
9-8	do	19.0	1.85	2.42	35.2
9-20	do	20.0	1.85	2.49	37.2
9-30	do	.....	.....	1.45	1.5

TRI-STATE CANAL—D-918, A-660, A-768
From Wet Spotted Tail Creek
Measurements Made at Bridge—Sec. 3-23-56 W.

1929					
6-14	A. W. Hall	5.8	1.69	.....	9.8
7-2	do	8.9	1.84	.....	16.4
7-12	do	10.0	1.79	.....	18.0
7-18	do	9.5	1.89	.....	18.0
8-15	do	14.7	2.34	.....	34.4
1930					
5-22	A. W. Hall	7.3	1.78	.....	12.8
6-7	do	7.1	1.61	.....	11.4
6-13	do	7.8	1.48	.....	11.5
6-28	do	10.0	1.80	.....	18.0
7-12	do	12.0	2.08	0.90	25.0
7-26	do	13.0	2.30	1.00	30.0
8-12	do	17.0	2.18	1.13	37.0
9-10	do	17.0	2.30	1.15	39.0
9-24	do	14.0	2.16	1.15	30.0
1931					
1-14	A. E. Johnston	10.7	1.63	0.45	17.5
2-19	do	11.8	1.22	.60	14.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

TRI-STATE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-12	A. W. Hall	6.0	1.17	.55	7.0
5-23	do	6.9	1.27	.60	8.7
6-5	do	7.9	1.49	.63	12.0
6-18	do	6.0	1.41	.60	9.0
6-26	do	7.0	1.40	.65	10.0
7-1	do	9.0	1.45	.78	13.0
7-9	do	8.0	1.73	.80	14.0
7-24	do	10.2	1.78	.90	18.1
8-5	do	8.3	1.98	.96	16.4
8-25	F. F. LeFever	13.0	2.43	1.07	31.0
8-27	A. E. Johnston	19.0	2.00	1.00	37.9
9-10	A. W. Hall	12.3	2.19	1.04	27.0
9-24	F. F. LeFever	11.0	2.26	.98	25.0
1932					
10-1	A. W. Hall	12.0	1.92	0.92	23.0
12-8	A. E. Johnston	9.0	1.95	.68	17.2
2-10	do	10.0	1.55	.70	15.5
4-7	do	7.8	1.29	.75	9.9
4-25	do	7.8	1.86	.56	14.5
5-23	F. F. LeFever	6.0	.....	.....	9.2
6-3	do	5.0	.....	.44	8.0
6-6	A. W. Hall	5.2	1.42	.43	7.4
6-16	F. F. LeFever	11.0	.....	1.01	29.0
6-24	do	10.0	.....	.65	18.0
7-5	do	7.0	1.90	.58	13.3
7-12	do	8.0	2.16	.70	17.3
7-22	do	9.0	.....	.77	21.0
8-2	do	10.0	2.11	.75	21.1
8-15	do	.....	.....	.76	18.2
8-31	do	10.0	2.46	.85	24.6
9-8	do	11.0	2.59	.96	28.5
9-20	do	11.0	2.70	1.05	29.7
9-30	do	12.0	2.66	1.05	31.9

TRI-STATE CANAL—D-918, A-660, A-768
From Tub Springs
Measurements Made at 5-foot Weir—Sec. 27-23-55 W.

1929					
5-22	A. W. Hall	.....	.....	.....	0.0
6-12	do	.....	.....	.....	.0
8-15	do	.....	.....	.....	.0
1931					
7-17	A. W. Hall	17.0	1.84	.....	31.0
7-25	do	16.2	2.06	1.52	33.4
8-5	do	17.0	1.92	1.50	32.2
8-27	A. E. Johnston	17.0	2.25	1.55	37.2
9-11	A. W. Hall	15.0	2.20	1.50	34.0
9-22	F. F. LeFever	13.0	1.90	1.28	25.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

TRI-STATE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
10-2	A. W. Hall	13.0	1.82	1.20	24.1
5-23	F. F. LeFever	.....	.....	.....	.0
6-3	do	.....	.....	.....	.0
6-6	A. W. Hall	.....	.....	.....	.0
6-25	F. F. LeFever	.....	.....	.....	.0
7-5	do	14.0	2.36	1.42	33.0
7-13	do	15.0	2.37	1.47	35.6
7-22	do	14.0	.....	1.53	37.0
8-15	do	.....	.....	1.41	32.2
9-21	do	19.0	2.90	1.78	54.8

TRI-STATE CANAL—D-918, A-660, A-768
From Alliance Drain
Measurements Made at Headgate—Sec. 18-22-53 W.

1931					
8-11	A. W. Hall	15.0	1.23	1.62	18.3
8-26	A. E. Johnston	18.0	1.33	1.70	23.4
1932					
6-6	A. W. Hall	.....	.....	.....	0.0
7-9	F. F. LeFever	16.0	1.44	1.70	23.0
7-26	do	7.0	3.72	1.77	26.1
8-18	do	.....	.....	1.79	26.3
9-27	do	17.0	1.38	1.82	23.4

TRI-STATE CANAL—D-918, A-660, A-768
From Moffat Drain
Measurements Made at Headgate—Sec. 25-22-53 W.

1931					
8-11	A. W. Hall	2.1	1.64	0.56	4.0
8-26	A. E. Johnston	5.0	1.39	.....	7.0
9-11	A. W. Hall	6.0	1.24	.79	7.0
1932					
6-6	A. W. Hall	.....	.....	.....	0.0
7-9	F. F. LeFever	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0

TROGNITZ CANAL—D-365
Diverted from Lodgepole Creek—Sec. 36-14-50 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	1.6	1.00	.....	1.6
5-24	do	1.6	.62	.....	1.0
6-26	do	.....	.....	.....	.6
7-9	do	.1	6.53	.....	.7
9-14	do	.....	.....	.....	.7

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

TROGNITZ CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
3-4	C. E. Franklin	.....	.....	.....	0.0
4-29	do	1.4	0.93	.....	1.3
5-13	do	20.0	.78	.....	1.6
7-17	do	2.4	.67	.....	1.6
8-5	do	2.9	.52	.....	1.5
8-22	do	4.2	.76	.....	3.2
9-4	do	3.4	.65	.....	2.2
9-18	do	4.0	.62	.....	2.5
1931					
5-3	C. E. Franklin	1.0	0.35	.....	0.3
5-21	do	2.0	.70	.....	2.0
6-16	do	3.0	.40	.....	1.0
7-24	do	2.0	.56	.....	.9
8-19	do	3.0	.53	.....	1.5
9-5	do	3.0	.56	.....	1.5
9-25	do	2.0	.56	.....	1.3

UNION CANAL—D-763, A-1575
Diverted from Blue Creek—Sec. 18-16-42 W.
Measurements Made at Rating Flume

1929					
5-23	A. E. Johnston	.....	.....	.....	0.0
6-14	do	13.2	0.89	2.00	11.8
6-25	do	14.6	.86	2.15	12.5
6-28	do	13.3	.82	2.35	10.9
7-19	do	.....	.....	.....	.0
8-8	do	14.3	1.63	2.40	23.3
1930					
6-3	A. E. Johnston	.....	.....	.....	0.0
6-18	A. W. Hall	8.7	0.88	1.55	7.7
7-5	do	14.4	1.44	2.35	20.8
7-11	do	12.0	1.29	2.10	15.5
7-23	do	10.2	1.25	1.85	12.8
7-31	do	8.7	.80	1.80	7.0
8-9	do	12.3	1.00	2.25	12.3
8-19	do	8.1	1.07	1.95	8.7
8-28	A. E. Johnston	6.6	.97	1.62	6.4
9-24	do	12.8	1.25	2.20	16.1
1931					
10-28	A. E. Johnston	.....	.....	.....	0.0
5-15	do	13.0	1.13	2.20	14.7
6-1	do	13.0	1.46	2.10	19.2
6-12	do	10.0	1.21	1.90	12.0
6-23	A. W. Hall	10.0	1.18	2.00	12.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

UNION CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
6-26	A. E. Johnston	11.0	1.03	2.00	11.0
7-6	J. V. Ruzicka	6.2	.81	1.75	5.0
7-9	do	4.0	.63	1.45	2.4
7-9	A. E. Johnston	3.0	.89	1.42	3.0
7-12	J. V. Ruzicka	1.4	3.07	1.17	.4
7-19	A. E. Johnston	12.3	1.28	2.10	16.0
7-27	do	13.0	1.22	2.15	15.3
7-28	do	12.0	1.25	2.15	15.0
8-5	do	8.3	1.04	1.81	9.0
8-11	do	12.0	1.32	2.22	16.0
8-20	do	12.4	1.68	2.30	21.0
9-5	do	11.0	1.28	2.10	14.0
9-19	do	8.0	1.05	2.10	8.4
9-30	do	9.3	1.07	2.25	10.0
1932					
10-23	A. E. Johnston	.....	.....	.....	7.0
11-2	do	9.0	0.85	.....	7.9
4-9	do	.....	.....	.....	.0
4-19	do	.....	.....	.....	.0
5-10	do	.....	.....	0.95	1.5
5-20	do	.....	.....	1.53	6.8
5-24	do	.....	.....	1.60	7.4
6-4	do	.....	.....	2.25	1.8
6-8	Johnston and Follansbee	.....	.....	2.17	15.2
6-25	A. E. Johnston	.....	.....	1.52	3.7
7-6	do	.....	.....	1.82	8.0
7-16	do	.....	.....	2.45	21.0
7-27	J. V. Ruzicka	.....	.....	2.35	11.5
8-6	A. E. Johnston	.....	.....	2.50	10.7
8-6	J. V. Ruzicka	.....	.....	2.57	10.0
8-8	do	.....	.....	2.10	11.8
8-12	do	.....	.....	2.36	19.0
8-16	do	.....	.....	1.84	9.0
8-26	A. E. Johnston	.....	.....	2.25	19.4
9-10	do	.....	.....	2.40	16.1
9-23	do	.....	.....	2.00	9.6

URBACH CANAL—D-308

Diverted from Lodgepole Creek—Sec. 15-14-51 W.
Measurements Made at Headgate

1929					
5-10	C. E. Franklin	.....	.....	.....	0.0
5-24	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7-9	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

URBACH CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
3-4	C. E. Franklin	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
4-28	do	.....	.....	.....	.0
5-13	do	.....	.....	.....	.0
6-12	do	0.4	0.75	.....	.3
7-17	do	.....	.....	.....	.0
8-5	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-4	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0
1931					
5-3	C. E. Franklin	.....	.....	.....	0.0
5-21	do	.....	.....	.....	.0
6-15	do	2.0	0.52	.....	1.0
7-24	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

VICTORIA CANAL—D-210, D-212, D-213, A-1845
Diverted from Victoria Creek—Sec. 1-19-21 W.
Measurements Made at Headgate

1929					
7-2	A. E. Johnston	.....	.....	.....	0.0
1931					
10-9	A. E. Johnston	.....	.....	.....	0.0
11-15	do	.....	.....	.....	.0

WALKER CANAL—A-727, A-857, A-869
Diverted from Lodgepole Creek—Sec. 36-15-57 W.
Measurements Made at Headgate

1929					
5-8	C. E. Franklin	2.9	1.00	.....	2.9
5-23	do	1.6	1.00	.....	1.6
6-25	do	1.1	1.45	.....	1.6
7-8	do	2.0	.78	.....	1.6
1930					
3-14	C. E. Franklin	.....	.....	.....	0.0
4-24	do	1.9	1.19	.....	2.3
5-9	do	.6	0.87	.....	.5
5-25	do	.....	.....	.....	.0
6-11	do	1.5	.41	.....	.6
6-28	do	.....	.....	.....	.2
7-18	do	.....	.....	.....	.0
8-7	do	.....	.....	.....	.0
8-23	do	.....	.....	.....	.0
9-5	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

WALKER CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1932					
3-31	A. E. Johnston	1.2	1.20	—	1.0
5-5	do	1.1	.55	—	.6
6-3	A. W. Hall	—	—	—	.0
7-7	Hall and Hanna	—	—	—	.0
7-26	A. W. Hall	—	—	—	.0
8-19	do	—	—	—	.0

WARBONNETT CANAL NO. 1—D-548

Diverted from Warbonnett Creek—Sec. 21-33-56 W.
Measurements Made at Headgate

1931					
4-11	Johnston and Rasmussen	2.0	1.40	—	2.8
5-21	do	3.0	.84	—	2.7
6-16	do	3.0	.96	—	2.7
7-22	do	—	—	—	.0
1932					
5-3	A. E. Johnston	—	—	—	0.0
6-22	do	0.9	1.00	—	.9
8-2	do	.9	.78	—	.7

WARBONNETT CANAL NO. 2—A-892

Diverted from Warbonnett Creek—Sec. 20-33-56 W.
Measurements Made at Headgate

1931					
4-11	Johnston and Rasmussen	0.5	0.80	—	0.4
5-2	do	—	—	—	.0
6-16	do	—	—	—	.0
7-22	do	—	—	—	.0
1932					
5-3	A. E. Johnston	—	—	—	0.0
6-22	do	—	—	—	.0
8-2	do	—	—	—	.0

WARNEKE CANAL—D-505

Diverted from Niobrara River—Sec. 27-31-57 W.
Measurements Made at Headgate

1929					
6-19	A. E. Johnston	—	—	—	0.0
1930					
9-2	A. E. Johnston	—	—	—	0.0
1931					
5-20	Johnston and Rasmussen	—	—	—	0.0
6-17	do	—	—	—	.0
7-23	do	—	—	—	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

WARNEKE CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1932					
6-21	A. E. Johnston	.....	.....	.....	0.0
8-3	Johnston and Rasmussen	.....	.....	.....	.0
8-23	A. E. Johnston	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0

WEIGAND CANAL—A-563
Diverted from Lodgepole Creek—Sec. 17-13-45 W.
Measurements Made at Headgate

1929					
6-26	C. E. Franklin	.....	.....	.....	0.0
7-10	do	3.4	0.97	.....	3.3
9-16	do	.....	.....	.....	.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-27	do	1.9	0.74	.....	1.4
8-9	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

WEIGAND CANAL—A-1322
Diverted from Lodgepole Creek—Sec. 16-14-45 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	1.6	0.94	.....	1.5
6-26	do	.....	.....	.....	.3
7-10	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

WEIGAND CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1930					
7-27	C. E. Franklin	3.2	0.97	.....	3.1
8-9	do	3.3	.82	.....	2.7
8-21	do	2.4	1.45	.....	3.5
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

WEIGAND CANAL—A-1323
Diverted from Lodgepole Creek—Sec. 16-13-45 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	2.9	1.07	.....	3.1
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

WERTZ BROTHERS CANAL, EAST—A-600
Diverted from Lodgepole Creek—Sec. 12-13-46 W.
Measurements Made at Headgate

1929					
9-16	C. E. Franklin	.....	.....	.....	0.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

WERTZ BROTHERS CANAL, EAST—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

WERTZ BROTHERS CANAL, WEST—A-600
Diverted from Lodgepole Creek—Sec. 12-13-46 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	.....	.....	.....	0.0
6-26	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8-9	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

WESTERN CANAL—A-393, A-1804
Diverted from South Platte River—Sec. 29-13-41 W.
Measurements Made at Rating Flume

1929					
5-3	C. E. Franklin	22.5	2.54	0.90	57.3
5-17	do	.....	.....	.....	.0
6-14	do	19.8	2.03	.79	40.3
6-27	do	13.9	1.76	.62	24.5
7-1	do	15.8	1.69	.61	26.7
7-11	do	15.7	1.58	.59	25.0
7-15	do	18.7	2.03	.74	38.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

WESTERN CANAL—Continued

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
8-10	C. E. Franklin	13.6	1.39	.60	19.0
8-21	do	14.5	1.33	.62	19.3
8-20	do	16.6	1.53	1.80	25.4
9-17	do	10.5	1.11	.44	11.7
1930					
5-2	C. E. Franklin	33.0	2.91	1.30	97.0
5-16	do	.....	.....	.....	.0
5-28	do	.....	.....	.....	.0
6-20	do	24.0	2.65	1.00	62.8
6-25	do	21.0	2.34	.80	49.0
8-2	do	18.0	2.02	.71	35.6
8-21	do	102.0	2.84	3.50	290.0
1931					
10-2	C. E. Franklin	.....	.....	0.50	0.0
10-13	do	.....	.....	.50	.0
5-5	do	35.0	3.00	1.34	106.0
6-18	do	20.4	2.16	.78	44.0
7-17	do	13.9	1.45	.58	20.2
9-9	do	11.9	1.44	.55	17.1
1932					
11-17	A. E. Johnston	33.0	2.50	.....	82.9
4-1	do	43.0	3.46	1.70	147.4
5-6	do	12.0	2.08	.90	24.6
5-18	A. W. Hall	80.0	.81	2.89	64.6
5-24	do	15.0	2.58	1.04	39.8
6-21	do	19.0	2.45	1.14	45.8
7-9	do	14.0	1.99	.94	28.3
8-4	do	15.0	2.14	.99	31.2
8-11	do	13.0	1.68	.91	21.1
9-13	do	12.0	1.99	.93	23.3

WHITE RIVER CANAL—D-477

Diverted from White River—Sec. 35-32-52 W.
Measurements Made at Rating Flume

1929					
5-1	A. E. Johnston	.....	.....	.....	0.0
5-28	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
9-11	do	5.5	0.16	.....	.9
1930					
9-4	A. E. Johnston	5.3	0.55	.....	2.9
9-29	do	.9	.50	.....	.4
1931					
11-1	A. E. Johnston	1.3	1.00	.....	1.3
4-10	do	2.4	1.20	.....	2.9
5-22	Johnston and Rasmussen	10.2	.92	.....	9.3
5-22	do	5.9	.91	.....	5.4
6-19	do	3.0	1.19	0.70	3.1

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

WHITE RIVER CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
7-22	A. E. Johnston	3.0	1.00	.90	2.9
9-12	do	1.0	1.00	.55	1.2
9-26	do	.....	.....	.....	.0
1932					
10-19	A. E. Johnston	5.0	1.40	1.40	7.6
11-7	do	6.0	.93	1.50	5.2
5-2	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
8-1	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0

WHITNEY PIPE LINE—A-1625

Diverted from White River—Sec. 33-32-51 W.
Measurements Made at 8-foot Weir

1929					
1-23	A. E. Johnston	.....	.....	0.55	11.0
5-1	do	.....	.....	.....	.0
5-29	do	.....	.....	.55	10.9
6-21	do	.....	.....	.75	17.5
9-11	do	.....	.....	.....	.0
1930					
10-11	A. E. Johnston	.....	.....	0.80	19.3
2-22	do	44.0	1.50	.....	66.0
3-20	do	.....	.....	.....	.0
1931					
11-1	A. E. Johnston	7.0	1.43	.....	10.0

WHITNEY PIPE LINE—A-1603

Diverted from White River—Sec. 26-32-52 W.
Measurements Made at Gaging Station

1930					
5-14	A. E. Johnston	6.7	1.40	0.45	9.4
9-4	do	8.2	1.93	.85	15.8
9-29	do	10.5	2.26	.80	23.7
1932					
10-19	A. E. Johnston	.....	.....	.....	0.0
11-7	do	14.0	1.91	1.15	27.4
12-14	do	12.0	1.40	.....	16.2
2-2	do	19.0	1.36	1.60	26.5
3-1	do	13.0	1.92	1.00	25.6
3-28	do	13.4	1.80	1.05	24.1
5-2	do	16.9	2.17	1.40	36.8
6-20	do	12.1	1.68	.90	20.3
8-1	do	.....	.....	.....	.0
8-22	do	6.1	1.33	.60	8.1
9-19	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

WICKERSHAM CANAL—A-701
Diverted from Boggy Creek—Sec. 31-33-54 W.
Measurements Made at Headgate

DATE	HYDROGRAPHER	AREA OF SECTION	MEAN VELOCITY	GAGE HEIGHT	DISCHARGE SEC.-FT.
1929					
6-20	A. E. Johnston	.....	.....	.....	0.0
1931					
5-21	Johnston and Rasmussen	.....	.....	.....	0.0
5-21	do	1.0	1.30	.....	1.0
6-16	do	1.0	1.00	.....	.6
1932					
5-3	A. E. Johnston	.....	.....	.....	0.0
6-22	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0

WILD'S CANAL, NORTH—A-904
Diverted from Lodgepole Creek—Sec. 11-13-46 W.
Measurements Made at Headgate

1929					
5-28	C. E. Franklin	2.2	1.09	.....	2.4
6-26	do	.....	.....	.....	.8
7-10	do	.....	.....	.....	.3
9-16	do	.....	.....	.....	.3
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-8	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.3
8-9	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	.....	.....	.....	.0
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	1.0	0.50	.....	.3
9-25	do	.....	.....	.....	.0

WILD'S CANAL, SOUTH—A-904
Diverted from Lodgepole Creek—Sec. 11-13-46 W.
Measurements Made at Headgate

1929					
9-16	C. E. Franklin	.....	.....	.....	0.4

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

WILD'S CANAL, SOUTH—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

WINTERS CREEK CANAL—D-952

Diverted from North Platte River—Sec. 17-22-55 W.
Measurements Made below Headgate

1929					
5-22	A. W. Hall	18.9	1.40	0.80	26.5
6-12	do	20.8	1.31	.80	28.2
7-17	do	27.3	1.70	1.00	46.3
8-15	do	28.5	1.46	1.00	41.6
8-27	do	28.3	1.32	.90	39.0
8-30	do	.....	.....	.....	.0
1930					
6-11	A. W. Hall	.....	.....	0.57*	.....
9-11	do	.....	.....	.45*	.....
1931					
5-27	A. W. Hall	36.9	1.52	1.30	56.0
7-1	do	34.0	1.06	1.90	37.0
7-7	Hall—Feldt—Lackey	37.0	.97	1.98	36.0
7-25	A. W. Hall	28.0	.88	2.00	24.1
8-7	Hall and LeFever	25.2	1.25	2.02	32.0
8-25	F. F. LeFever	22.0	.99	1.76	22.0
8-28	A. E. Johnston	18.4	1.18	.....	22.0
9-11	A. W. Hall	.....	.....	.....	.0
9-22	F. F. LeFever	18.0	.86	1.51	15.0
1932					
10-2	A. W. Hall	.....	.....	.....	0.0
4-6	A. E. Johnston	.....	.....	.....	.0
4-25	do	.....	.....	.....	.0
5-9	F. F. LeFever	.....	.....	.....	2.0
5-23	do	13.0	.....	1.00	23.4
6-3	do	16.0	.....	1.20	22.0
6-17	do	18.0	.....	1.43	17.6
6-24	do	23.0	.....	1.77	17.0
7-5	do	20.0	1.85	1.55	37.1
7-13	do	17.0	2.11	1.32	35.9
7-22	do	.....	.....	.15	1.0
8-2	do	16.0	2.71	1.25	43.4
8-17	do	16.6	.....	1.27	47.8
9-9	do	17.0	1.88	1.06	32.1
9-21	do	15.0	2.28	1.17	34.2

*Over weir

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Continued

WINTERS CREEK CANAL—A-1446

Diverted from Winters Creek—Sec. 19-22-54 W.

Measurements Made at Headgate

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1929					
5-23	A. W. Hall	.....	.....	.....	5.7
6-12	do	.....	.....	.....	52.8
7-5	do	.....	.....	.....	59.1
7-17	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	54.0
8-27	do	.....	.....	.....	48.0
1930					
5-20	A. W. Hall	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0
6-10	do	.....	.....	.....	60.0
6-28	do	.....	.....	.....	68.9
9-11	do	.....	.....	.....	.0
1931					
10-2	A. W. Hall	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6-6	do	.....	.....	.....	45.9
1932					
5-9	F. F. LeFever	.....	.....	.....	0.0
5-18	do	.....	.....	.....	.0
5-25	do	21.0	.....	2.15	26.5
6-4	do	24.0	.....	2.50	37.0
6-17	do	30.0	.....	3.05	59.0
6-25	do	31.0	.....	3.08	56.0
7-6	do	33.0	1.87	3.27	61.8
7-13	do	11.0	.45	1.15	4.6
8-3	do	32.0	2.12	3.29	68.0
8-17	do	.....	.....	1.48	7.2
9-1	do	.....	.....	3.11	60.2
9-9	do	17.0	.77	1.82	13.1
9-21	do	13.0	.61	1.42	8.0

WOLF CANAL—D-813

Diverted from Lodgepole Creek—Sec. 18-13-45 W.

Measurements Made at Headgate

1929					
5-28	C. E. Franklin	.....	.....	.....	0.0
6-26	do	1.8	1.55	.....	2.8
7-10	do	.....	.....	.....	.0
9-16	do	2.3	1.74	.....	4.0
1930					
3-7	C. E. Franklin	.....	.....	.....	0.0
4-17	do	.....	.....	.....	.0
5-1	do	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6-20	do	2.4	3.13	.....	7.5
7-8	do	.....	.....	.....	.0

ACTUAL DISCHARGE MEASUREMENTS OF CANALS—Concluded

WOLF CANAL—Continued

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-Ft.
1930					
7-27	C. E. Franklin	.....	.....	.....	.0
8-9	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-6	do	.....	.....	.....	.0
9-20	do	2.4	1.41	.....	3.4
1931					
5-5	C. E. Franklin	.....	.....	.....	0.0
5-23	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7-25	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9-8	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

WOODRUFF CANAL—D-536
Diverted from Jim Creek—Sec. 14-33-57 W.
Measurements Made at Headgate

1931					
4-11	Johnston and Rasmussen	.....	.....	.....	0.0
5-21	do	0.4	1.20	.....	1.0
6-16	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
1932					
5-3	A. E. Johnston	.....	.....	.....	0.0
6-22	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0

ZIMMERMAN CANAL—A-532
Diverted from Sow Belly Creek—Sec. 34-33-55 W.
Measurements Made at Headgate

1929					
6-20	A. E. Johnston	.....	.....	.....	0.0
1930					
9-3	A. E. Johnston	.....	.....	.....	0.0
9-30	do	1.4	0.92	.....	1.3
1931					
11-1	A. E. Johnston	1.2	1.33	.....	1.6
4-9	do	2.4	1.41	.....	3.3
5-21	Johnston and Rasmussen	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
1932					
5-3	A. E. Johnston	3.0	1.23	0.95	3.8
6-22	do	.....	.....	.....	.0
8-2	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0

DISCHARGE IN SECOND-FEET OF CANALS, 1929

ALFALFA CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	24	30	25	27
2	0	20	27	25	28
3	0	17	32	25	22
4	0	23	10	25	22
5	0	24	10	25	25
6	0	22	5	25	24
7	0	17	5	25	8
8	9	13	5	32	0
9	9	13	5	25	0
10	12	15	5	32	0
11	13	17	5	32	0
12	14	17	5	32	0
13	14	19	5	32	0
14	13	19	5	32	0
15	14	20	5	32	0
16	10	18	19	21	0
17	12	19	19	24	0
18	12	20	19	28	0
19	13	18	19	28	0
20	14	20	19	27	0
21	14	28	19	27	0
22	15	37	19	27	0
23	14	23	19	27	0
24	14	12	19	26	0
25	17	7	19	26	0
26	15	9	5	27	0
27	16	9	11	21	0
28	17	5	18	27	0
29	17	6	18	24	0
30	16	2	18	23	0
31	24	....	26	27	—
Mean	11	17	14	27	22
Max.	24	37	32	32	28
Min.	0	2	5	21	0
A. F.	670	1017	883	1654	309

Area reported, 3,070 acres
Water used, 4,533 A. F.
Per acre, 1.47 A. F.

ALLIANCE CANAL
Diverted from Red Willow Creek

May	June	July	Aug.	Sept.
0	27	45	40	30
0	27	45	40	30
0	27	45	40	30
0	27	45	40	30
0	27	45	40	30
0	27	45	34	30
0	27	45	34	30
0	27	45	34	30
0	27	45	34	30
0	27	54	34	30
0	27	54	34	30
0	27	54	34	30
0	27	54	34	30
0	27	54	34	30
0	33	54	34	0
0	33	54	34	0
0	33	54	34	0
0	33	54	34	0
0	33	54	34	0
0	40	50	34	0
0	40	50	34	0
0	40	50	34	0
0	40	50	34	0
0	40	50	34	0
0	40	45	34	0
0	40	45	34	0
0	40	45	34	0
0	40	45	34	0
0	40	45	34	0
0	....	45	34	—
0	32	49	35	15
0	40	54	40	30
0	27	45	34	0
0	1924	2995	2150	892

Area reported, 3,401 acres
Water used, 7,961 A. F.
Per acre, 2.34 A. F.

ALLIANCE CANAL
Diverted from Bayard Sugar Factory Drain

Date	May	June	July	Aug.	Sept.
1	....	29	15	15	....
2	....	29	15	15	....
3	....	29	15	15	....
4	....	29	15	15	....
5	....	29	15	15	....
6	—	29	20	11	—
7	....	29	20	11	—
8	—	29	20	11	....
9	....	29	20	11	—
10	—	29	20	11	....
11	....	29	29	11	....
12	—	29	29	11	—
13	—	29	29	11	....
14	....	29	29	11	—
15	—	29	29	11	—
16	....	29	29	10	—
17	....	29	29	10	....
18	—	29	29	10	—
19	....	29	29	10	—
20	—	29	29	10	....
21	—	0	20	10	—
22	—	0	20	10	....
23	....	0	20	10	....
24	—	0	20	10	—
25	—	0	20	10	....
26	....	0	20	10	—
27	—	0	20	10	—
28	....	0	20	10	—
29	....	0	20	10	....
30	—	0	20	10	—
31	....	—	20	10	—
Mean	....	19	22	11	....
Max.	....	29	29	15	—
Min.	—	0	20	10	—
A. F.	....	1150	1359	684	....

Area reported, 2,129 acres
Water used, 3,193 A. F.
Per acre, 1.50 A. F.

BEERLINE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
....	0	6	5	—
....	0	6	5	—
....	0	6	5	—
....	0	6	5	—
....	0	6	5	—
—	0	6	4	—
—	0	6	4	—
—	0	6	4	—
—	0	6	4	—
—	0	6	4	—
—	4	6	1	....
—	8	6	1	....
—	12	6	1	—
....	16	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	18	6	1	....
—	—	6	1	....
—	10	6	2	....
—	18	6	5	....
—	0	6	1	—
—	650	369	131	....

Area reported, 2,080 acres
Water used, 1,150 A. F.
Per acre, 0.55 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

BELMONT CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	
1	23	35	105	105	124	
2	23	35	108	105	124	
3	23	35	108	105	124	
4	23	35	124	124	124	
5	23	35	146	105	124	
6	23	35	164	105	40	
7	23	0	178	105	0	
8	23	0	184	105	0	
9	23	0	184	124	0	
10	23	0	184	124	0	
11	23	0	194	124	0	
12	23	48	178	124	0	
13	23	65	170	124	0	
14	23	65	170	124	0	
15	23	65	184	124	0	
16	23	65	178	124	0	
17	23	105	178	124	0	
18	23	105	178	124	0	
19	23	96	178	124	0	
20	23	105	178	124	0	
21	23	105	178	124	0	
22	23	96	178	124	0	
23	23	105	178	124	0	
24	23	105	178	124	0	
25	23	110	0	114	0	
26	23	105	0	114	0	
27	23	96	0	124	0	
28	23	96	0	124	0	
29	23	0	20	124	0	
30	23	0	60	124	0	
31	23	.....	80	124	—	
Mean	23	58	134	120	110	
Max.	23	110	194	124	124	
Min.	23	0	0	105	0	
A. F.	1414	3465	8245	7321	1309	Oct.
**	272	535	369	369	476	386
††	0	28	395	125	6	0

Area reported, 22,000 acres
Water used, 23,607 A. F.
Per acre, 1.07 A. F.

BELMONT CANAL
Diverted from Cedar Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	0	9	6	6	8	13
2	0	9	6	6	8	13
3	0	9	6	6	8	13
4	0	9	6	6	8	13
5	0	9	6	6	8	13
6	0	9	6	6	8	13
7	0	9	6	6	8	13
8	0	9	6	6	8	13
9	0	9	6	6	8	13
10	0	9	6	6	8	13
11	0	9	6	6	8	13
12	0	9	6	6	8	13
13	0	9	6	6	8	13
14	0	9	6	6	8	13
15	0	9	6	6	8	13
16	11	9	6	6	8	0
17	11	9	6	6	8	0
18	11	9	6	6	8	0
19	11	9	6	6	8	0
20	11	9	6	6	8	0
21	11	9	6	6	8	0
22	11	9	6	6	8	0
23	11	9	6	6	8	0
24	11	9	6	6	8	0
25	11	9	6	6	8	0
26	11	9	6	6	8	0
27	11	9	6	6	8	0
28	11	9	6	6	8	0
29	11	9	6	6	8	0
30	11	9	6	6	8	0
31	6	—	6	6	—	0
Mean	11	9	6	6	8	6
Max.	11	9	6	6	8	13
Min.	0	9	6	6	8	0
A. F.	327	535	369	369	476	386

Water used, 2,462 A. F.

BROWN CREEK CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	17	65	33	0
2	0	14	82	33	0
3	0	18	78	33	0
4	0	19	83	33	0
5	0	24	83	33	0
6	0	17	83	33	0
7	0	24	83	33	0
8	0	26	69	33	0
9	0	34	110	33	0
10	0	37	110	33	0
11	0	40	110	33	0
12	0	32	100	33	0
13	0	37	88	33	0
14	0	34	76	34	0
15	0	28	64	37	0
16	0	27	59	31	0
17	0	27	61	30	0
18	0	28	61	31	0
19	0	34	67	34	0
20	0	38	71	34	0
21	0	43	79	30	0
22	0	50	79	30	0
23	0	47	79	30	0
24	0	64	79	30	0
25	0	61	79	30	0
26	0	64	81	20	0
27	0	52	81	20	0
28	0	43	81	20	0
29	0	50	81	20	0
30	0	47	81	20	0
31	0	—	81	20	—
Mean	0	35	80	30	0
Max.	0	64	110	37	0
Min.	0	14	59	20	0
A. F.	0	2134	4927	1845	0

Area reported, 5,950 acres
Water used, 8,906 A. F.
Per acre, 1.50 A. F.

CASTLE ROCK CANAL
Diverted from North Platte River

Date	June	July	Aug.	Sept.	Oct.
1	84	84	84	86	49
2	82	88	82	88	46
3	54	90	84	88	46
4	19	94	84	91	21
5	14	100	84	76	0
6	12	98	84	76	0
7	26	98	84	62	0
8	42	98	84	60	0
9	42	94	84	65	0
10	34	90	90	68	0
11	34	84	92	62	0
12	34	64	90	70	0
13	34	76	92	68	0
14	34	82	104	68	0
15	44	70	104	65	0
16	54	70	104	62	0
17	60	90	96	58	0
18	68	90	98	60	0
19	64	86	98	60	0
20	64	84	98	58	0
21	64	82	108	46	0
22	76	98	114	40	0
23	73	102	96	46	0
24	78	110	102	44	0
25	88	110	98	58	0
26	88	90	86	56	0
27	88	90	78	59	0
28	94	90	82	68	0
29	82	90	76	74	0
30	76	90	78	60	0
31	—	90	86	—	0
Mean	56	89	91	64	40
Max.	94	110	114	91	49
Min.	12	64	76	40	0
A. F.	3384	5498	5601	3852	321

Area reported, 6,133 acres
Water used, 18,656 A. F.
Per acre, 3.04 A. F.

**Cedar Creek. ††Empire Canal.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

CENTRAL CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	21	33	28	33	17
2	0	26	33	30	33	0
3	0	26	33	32	33	0
4	0	0	30	32	27	0
5	0	0	30	30	26	0
6	0	0	28	32	23	0
7	0	0	28	20	20	0
8	0	0	33	27	17	0
9	0	0	33	30	0	0
10	0	0	28	0	0	0
11	0	0	33	30	20	0
12	0	7	33	27	20	0
13	0	0	33	27	17	0
14	0	30	0	27	17	0
15	0	30	5	27	17	0
16	0	30	32	27	17	0
17	0	30	25	27	19	0
18	0	30	25	32	17	0
19	0	30	20	30	17	0
20	0	29	15	32	16	0
21	0	29	24	28	14	0
22	0	29	20	28	14	0
23	0	27	20	28	15	0
24	0	30	20	33	15	0
25	0	29	20	33	17	0
26	0	30	25	33	18	0
27	0	30	25	33	17	0
28	0	33	20	30	17	0
29	21	31	24	26	17	0
30	21	33	28	27	17	0
31	21	....	28	28	—	0
Mean	—	19	25	28	18	0
Max.	21	33	33	33	33	17
Min.	0	0	0	0	0	0
A. F.	125	1170	1555	1733	1090	34

Area reported, 2,240 acres
Water used, 5,707 A. F.
Per acre, 2.55 A. F.

CHIMNEY ROCK CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
....	8	63	60	19
....	8	63	58	19
....	8	63	59	19
....	8	58	37	19
—	8	58	33	17
....	8	53	30	15
....	8	53	33	15
—	8	55	33	14
—	7	53	26	12
—	21	51	33	12
—	26	51	48	10
—	26	51	46	7
....	24	48	46	10
—	35	48	48	15
....	40	48	46	17
....	35	48	44	19
....	35	37	51	17
—	44	33	47	15
....	53	35	43	17
....	55	44	39	17
—	60	40	35	19
—	75	35	31	17
—	68	37	27	15
—	68	28	23	19
—	63	40	24	17
....	68	46	25	17
—	81	53	23	15
....	77	48	28	0
....	77	58	28	0
—	72	68	35	0
....	....	63	30	—
0	39	49	38	14
0	81	63	60	19
0	8	28	23	0
0	2329	3033	2319	841

Area reported, 5,493 acres
Water used, 8,522 A. F.
Per acre, 1.55 A. F.

COZAD CANAL
Diverted from Platte River

Date	June	July	Aug.	Sept.	Oct.
1	0	139	237	58	52
2	0	127	276	0	52
3	0	125	256	0	58
4	0	114	256	0	78
5	0	125	244	0	66
6	0	125	248	0	54
7	0	112	260	0	54
8	0	92	244	0	54
9	0	52	190	0	52
10	0	48	230	0	49
11	58	46	206	0	46
12	48	40	222	0	49
13	20	35	188	0	**
14	16	60	160	19	—
15	0	95	157	58	—
16	0	105	92	58	—
17	0	140	95	52	—
18	0	172	95	38	....
19	18	176	0	38	—
20	12	206	144	30	....
21	8	172	202	32	....
22	7	176	198	32	—
23	7	198	184	40	—
24	20	240	168	38	....
25	32	272	160	46	....
26	32	264	136	54	—
27	46	260	128	52	—
28	70	260	136	46	—
29	52	237	128	43	—
30	92	247	132	52	....
31	—	263	140	....	....
Mean	17	152	178	26	—
Max.	92	265	276	58	78
Min.	0	35	0	0	0
A. F.	1067	9368	10933	1559	1317

	May	June	July	Aug.	Sept.	Oct.
Diverted	0	1067	9368	10933	1559	1317
Wasted	0	0	0	1123	115	0
Net used	0	1067	9368	9810	1444	1317

Area reported, 20,955 acres
Water used, 23,006 A. F.
Per acre, 1.09 A. F.
**Canal closed.

CULBERTSON CANAL
Diverted from Frenchman River

May	June	July	Aug.	Sept.	Oct.
0	20	106	92	95	82
0	20	104	94	95	83
0	18	104	94	90	82
0	18	103	96	96	79
0	18	101	94	96	79
0	17	0	88	90	79
0	10	0	98	76	79
0	14	0	101	72	76
0	22	101	101	79	74
0	20	82	101	82	74
0	22	88	98	82	76
0	20	95	96	82	82
38	27	94	96	84	76
54	37	98	98	84	76
50	37	98	98	79	76
34	38	101	96	76	82
35	48	98	96	76	86
32	65	94	98	76	86
28	82	94	98	80	84
37	98	95	96	81	84
35	103	96	92	79	83
35	104	94	88	79	82
37	103	95	88	79	82
34	96	98	90	78	81
34	104	95	90	79	80
48	104	103	90	84	79
60	106	101	90	84	79
60	108	101	94	82	79
52	106	103	94	82	79
34	104	104	95	82	79
20	—	101	95	.....	76
24	56	89	94	82	80
60	108	104	101	96	86
0	10	0	88	72	74
1501	3350	5449	5821	4917	4907

Area reported, 9,435 acres
Water used, 25,945 A. F.
Per acre, 2.76 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

DAWSON COUNTY CANAL
From Cozad Waste

Date	May	June	July	Aug.	Sept.
1	—	—	—	*	44
2	—	—	—	47	12
3	—	—	—	43	2
4	—	—	—	48	0
5	—	—	—	*	0
6	—	—	—	*	0
7	—	—	—	11	0
8	—	—	—	25	0
9	—	—	—	7	0
10	—	—	—	2	0
11	—	—	—	3	0
12	—	—	—	4	0
13	—	—	—	5	0
14	—	—	—	7	0
15	—	—	—	13	0
16	—	—	—	2	0
17	—	—	—	2	0
18	—	—	—	4	0
19	—	—	—	4	0
20	—	—	—	0	0
21	—	—	—	1	0
22	—	—	—	45	0
23	—	—	—	32	0
24	—	—	—	58	0
25	—	—	—	49	0
26	—	—	—	40	0
27	—	—	—	20	0
28	—	—	—	24	0
29	—	—	—	39	0
30	—	—	—	10	0
31	—	—	—	21	—
Mean	—	—	—	18	2
Max.	—	—	—	58	44
Min.	—	—	—	0	0
A. F.	—	—	—	1123	115

Water used, 1,238 A. F.

DAWSON COUNTY CANAL WASTE
Into Buffalo Creek

May	June	July	Aug.	Sept.
—	—	—	*	—
—	—	—	23	—
—	—	—	86	—
—	—	—	58	—
—	—	—	56	—
—	—	—	58	—
—	—	—	30	—
—	—	—	20	—
—	—	—	10	—
—	—	—	13	—
—	—	—	13	—
—	—	—	5	—
—	—	—	5	—
—	—	—	10	—
—	—	—	20	—
—	—	—	30	—
—	—	—	36	—
—	—	—	50	—
—	—	—	50	—
—	—	—	50	—
—	—	—	50	—
—	—	—	60	—
—	—	—	60	—
—	—	—	56	—
—	—	—	55	—
—	—	—	54	—
—	—	—	53	—
—	—	—	53	—
—	—	—	52	—
—	—	—	52	—
—	—	—	51	—
—	—	—	40	—
—	—	—	86	—
—	—	—	5	—
—	—	—	2418	—

DAWSON COUNTY CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.
1	0	0	255	310	475
2	—	0	236	475	402
3	—	135	270	527	410
4	—	100	236	505	410
5	—	135	292	480	395
6	—	236	255	442	370
7	—	332	270	387	340
8	—	300	270	402	325
9	—	236	260	410	332
10	—	135	245	347	315
11	—	75	260	292	290
12	—	87	255	270	275
13	—	87	277	260	255
14	—	120	255	230	290
15	—	125	294	190	290
16	—	127	380	255	255
17	—	142	395	260	245
18	—	142	475	222	235
19	—	142	450	292	260
20	—	183	450	490	270
21	—	160	465	505	275
22	—	150	480	435	270
23	—	167	487	475	270
24	—	160	487	465	255
25	—	150	475	475	255
26	—	142	465	490	205
27	—	127	380	465	170
28	—	195	332	480	165
29	—	195	270	425	163
30	—	150	332	425	185
31	—	—	315	435	—
Mean	0	158	341	391	288
Max.	0	332	487	527	475
Min.	0	75	236	190	163
A. F.	0	8797	20962	24042	17163
From Cozad Canal				1123	115
				25165	17278
Wasted to Buffalo Creek				2418	
				22747	

Area reported, 77,310 acres
Water used, 69,784 A. F.
Per acre, 0.90 A. F.
*No record.

EMPIRE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
—	0	5	5	1
—	0	5	5	1
—	0	14	4	1
—	0	15	4	2
—	0	7	5	1
—	0	8	5	0
—	0	8	5	0
—	0	8	8	0
—	0	8	8	0
—	0	10	8	0
—	0	12	3	0
—	0	12	0	0
—	0	12	0	0
—	0	12	0	0
—	0	12	0	0
—	0	9	0	0
—	0	9	0	0
—	0	9	5	0
—	0	9	8	0
—	0	6	6	0
—	0	0	5	0
—	0	0	8	0
—	0	3	8	0
—	0	0	7	0
—	0	0	5	0
—	0	0	6	0
—	1	0	3	0
—	1	0	1	0
—	3	0	1	0
—	9	3	1	0
—	—	3	1	—
0	3	6	4	1
0	9	12	8	2
0	0	0	0	0
0	28	395	248	12

Area reported, 2,000 acres
Water used, 683 A. F.
Per acre, 0.34 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

ENTERPRISE CANAL
Diverted from Tub Springs

Date	May	June	July	Aug.	Sept.
1	0	21	21	21	21
2	0	21	21	21	21
3	0	21	21	21	21
4	0	21	21	21	21
5	0	21	21	21	21
6	0	21	21	21	21
7	0	21	21	21	21
8	0	21	21	21	21
9	0	21	21	21	21
10	0	21	21	21	21
11	0	21	21	39	15
12	0	21	21	39	15
13	0	21	21	39	15
14	0	21	21	39	15
15	0	21	21	39	15
16	0	21	21	39	15
17	0	21	21	39	15
18	0	21	21	39	15
19	0	21	21	39	15
20	0	21	21	39	15
21	21	21	21	39	10
22	21	21	21	39	10
23	21	21	21	39	10
24	21	21	21	39	10
25	21	21	21	39	10
26	21	21	21	39	10
27	21	21	21	39	10
28	21	21	21	39	10
29	21	21	21	39	10
30	21	21	21	39	10
31	21	....	21	39	....
Mean	7	21	21	33	15
Max.	21	21	21	39	21
Min.	0	21	21	21	10
A. F.	458	1250	1291	2041	912

Water used, 5,952 A. F.

ENTERPRISE CANAL
Diverted from Wet Spotted Tail Creek

Date	May	June	July	Aug.	Sept.
1	0	12	14	17	17
2	0	12	14	17	17
3	0	12	14	17	17
4	0	12	14	17	17
5	0	12	14	17	17
6	0	12	14	17	17
7	0	12	14	17	17
8	0	12	14	17	17
9	0	12	14	17	17
10	0	12	14	17	17
11	0	12	14	17	17
12	0	12	14	17	17
13	0	12	14	17	17
14	0	12	14	17	17
15	0	12	14	17	17
16	0	12	16	17	18
17	0	12	16	17	18
18	0	12	16	17	18
19	0	12	16	17	18
20	0	12	16	17	18
21	10	12	16	17	18
22	10	12	16	17	18
23	10	12	16	17	18
24	10	12	16	17	18
25	10	12	16	17	18
26	10	12	16	17	18
27	10	12	16	17	18
28	10	12	16	17	18
29	10	12	16	17	18
30	10	12	16	17	18
31	10	....	16	17	—
Mean	10	12	15	17	17
Max.	10	12	16	17	18
Min.	10	12	14	17	17
A. F.	218	714	924	1045	1041

Water used, 3,942 A. F.

ENTERPRISE CANAL
Diverted from Stewart and Morrill Drains

Date	May	June	July	Aug.	Sept.
1	0	2	2	4	5
2	0	2	2	4	5
3	0	2	2	4	5
4	0	2	2	4	5
5	0	2	2	4	5
6	0	2	2	4	5
7	0	2	2	4	5
8	0	2	2	4	5
9	0	2	2	4	5
10	0	2	2	4	5
11	0	2	2	4	5
12	0	2	2	4	5
13	0	2	2	4	5
14	0	2	2	4	5
15	0	2	2	4	5
16	0	2	2	4	5
17	0	2	2	4	5
18	0	2	2	4	5
19	0	2	2	4	5
20	0	2	2	4	5
21	2	2	2	4	5
22	2	2	2	4	5
23	2	2	2	4	5
24	2	2	2	4	5
25	2	2	2	4	5
26	2	2	2	4	5
27	2	2	2	4	5
28	2	2	2	4	5
29	2	2	2	4	5
30	2	2	2	4	5
31	2	—	2	4	....
Mean	2	2	2	4	5
Max.	2	2	2	4	5
Min.	0	2	2	4	5
A. F.	44	119	123	246	297

Water used, 829 A. F.

**Total includes diversions from drains.

ENTERPRISE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
0	50	62	55	52	36
0	45	62	53	50	36
0	45	57	53	52	5
0	40	52	51	45	5
0	37	50	55	55	0
0	37	47	57	62	0
0	53	45	53	51	0
0	53	36	51	45	0
0	53	45	40	47	0
0	53	50	51	45	0
0	53	52	53	42	0
0	53	53	60	45	0
0	53	57	70	42	0
0	50	62	67	37	0
0	50	62	67	35	0
0	50	50	62	33	0
0	50	0	60	33	0
0	50	0	60	32	0
0	50	0	55	35	0
0	53	36	53	32	0
50	53	57	53	32	0
52	53	50	45	33	0
53	53	55	51	33	0
45	53	57	50	33	0
40	53	72	42	33	0
45	60	65	40	33	0
40	57	65	45	30	0
40	62	65	35	32	0
45	62	57	36	35	0
45	62	51	39	36	0
45	....	53	44	....	0
45	51	49	52	40	20
53	62	65	70	62	36
0	37	0	35	30	5
991	3066	3025	3185	2380	162

Area reported, 6,860 acres
Water used, **22,918 A. F.
Per acre, 3.34 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

FRENCH CANAL

Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	20	20	30	32	36
2	20	20	30	32	36
3	20	20	30	32	36
4	20	20	30	32	36
5	20	20	30	32	36
6	20	20	30	30	33
7	20	20	30	30	30
8	20	20	30	30	25
9	20	20	30	30	15
10	20	20	30	30	10
11	20	20	30	32	10
12	20	20	30	34	10
13	20	20	30	36	10
14	20	20	30	36	10
15	20	20	30	36	10
16	20	20	30	35	8
17	20	20	30	34	8
18	20	20	30	33	8
19	20	20	30	33	8
20	20	20	30	33	8
21	20	20	30	33	0
22	20	20	30	34	0
23	20	20	30	35	0
24	20	20	30	36	0
25	20	20	30	36	0
26	20	20	30	37	0
27	20	20	30	38	0
28	20	20	30	37	0
29	20	20	30	36	0
30	20	20	30	35	0
31	20	—	—	35	—
Mean	20	20	30	33	12
Max.	20	20	30	38	36
Min.	20	20	30	30	0
A. F.	1230	1190	1785	2071	760

Area reported, 991 acres
Water used, 7,036 A. F.
Per acre, 0.74 A. F.

GERING CANAL

Diverted from North Platte River

May	June	July	Aug.	Sept.
0	196	231	228	232
0	0	231	228	231
0	0	228	228	232
0	88	228	224	230
0	88	228	224	230
0	88	231	224	232
0	88	232	224	198
0	88	230	231	164
0	146	231	228	120
0	218	232	231	146
0	218	228	230	168
0	224	228	231	88
0	232	231	231	56
0	188	218	228	60
0	192	218	230	60
41	192	218	232	56
41	188	218	232	32
41	188	204	233	0
41	188	204	232	0
41	200	227	231	0
41	212	224	231	0
56	224	224	232	0
72	222	228	232	0
72	218	231	232	0
72	224	232	232	0
72	228	231	232	0
72	230	231	218	0
72	230	231	204	0
88	228	228	231	0
134	228	231	231	0
196	.....	231	232	.....
37	173	226	228	84
196	230	232	232	232
0	0	218	204	0
2284	10421	13920	14057	5028

Area reported, 14,000 acres
Water used, 45,710 A. F.
Per acre, 3.26 A. F.

GERING CANAL, AT BAD LANDS

Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	116	190	192	212
2	0	116	190	165	214
3	0	116	192	192	204
4	0	116	210	192	210
5	0	116	210	194	228
6	0	116	215	196	168
7	0	116	204	194	108
8	0	116	176	170	108
9	0	116	206	186	108
10	0	86	210	194	108
11	0	116	204	194	108
12	0	98	202	204	108
13	0	60	186	196	108
14	0	60	84	204	108
15	0	100	165	186	0
16	0	100	206	184	0
17	0	98	192	200	0
18	0	74	152	202	0
19	0	70	122	212	0
20	0	70	152	220	0
21	0	100	202	212	0
22	0	165	182	204	0
23	120	170	182	206	0
24	120	180	202	220	0
25	120	176	202	224	0
26	100	186	196	220	0
27	100	192	186	202	0
28	100	194	206	224	0
29	100	192	206	206	0
30	100	192	206	216	0
31	100	.....	202	210	—
Mean	106	124	188	200	70
Max.	120	194	215	224	228
Min.	0	60	84	165	0
A. F.	1904	7384	11584	12339	4165

Area reported, 14,000 acres
Water used, 37,376 A. F.
Per acre, 2.66 A. F.

GOTHENBURG IRRIGATION CANAL

Diverted from Platte River

July	Aug.	Sept.	Oct.
0	170	151	75
0	170	151	57
0	172	156	46
0	174	150	46
0	175	152	38
0	175	146	27
0	175	112	27
0	175	27	30
0	175	24	30
20	175	24	27
40	175	11	30
50	175	10	32
60	175	16	34
70	175	16	34
70	156	16	0
74	68	14	0
80	68	14	0
86	80	16	0
92	80	16	0
98	132	15	0
104	132	10	0
110	127	6	0
116	150	127	0
122	148	106	0
127	146	75	0
137	143	75	0
146	150	75	0
157	148	75	0
165	146	75	0
163	143	75	0
167	147	.....	0
121	143	65	38
167	175	156	75
74	68	6	0
3856	9124	3840	1057

Area reported, 24,255 acres
Water used, 17,877 A. F.
Per acre, 0.74 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

GOTHENBURG DIVERSION CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	149	128	134	330	320	235
2	149	128	139	350	325	235
3	149	128	144	350	338	235
4	149	128	149	346	338	235
5	149	128	154	338	338	235
6	149	128	160	336	338	235
7	149	128	165	332	338	235
8	149	128	170	328	338	235
9	149	128	175	322	338	235
10	149	128	180	320	338	235
11	133	128	185	318	300	200
12	133	128	190	312	300	200
13	133	128	195	304	300	200
14	133	128	200	190	300	200
15	133	128	205	198	300	200
16	133	128	210	208	300	200
17	133	128	212	218	300	200
18	133	128	219	228	300	200
19	133	128	226	238	300	200
20	133	128	232	248	300	200
21	128	129	239	258	250	162
22	128	129	246	268	250	162
23	128	129	252	278	250	162
24	128	129	257	288	250	162
25	128	129	264	298	250	162
26	128	129	269	308	235	162
27	128	129	274	315	235	162
28	128	129	279	295	235	162
29	128	129	285	275	235	162
30	128	129	290	290	235	162
31	128	.....	320	305	.....	162
Mean	132	128	214	290	292	198
Max.	149	129	320	350	338	235
Min.	128	128	134	198	235	162
A. F.	8132	7636	13128	17851	17403	12163

Water used, 76,313 A. F.

KEARNEY CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	372	390	87	67	435
2	0	372	385	67	77	440
3	0	372	220	32	67	440
4	0	404	402	27	125	435
5	0	435	390	47	147	435
6	0	415	452	20	290	420
7	0	462	425	0	452	380
8	0	475	425	77	449	322
9	0	472	440	68	452	322
10	395	440	430	57	460	322
11	385	425	420	46	460	335
12	315	420	425	35	457	0
13	315	420	195	20	460	0
14	347	415	172	15	450	0
15	322	415	407	10	440	0
16	360	415	385	5	445	0
17	385	415	402	5	440	0
18	385	430	452	5	435	0
19	372	435	390	10	420	0
20	360	435	380	20	440	0
21	360	435	390	35	445	0
22	360	430	372	35	420	0
23	372	430	380	47	385	0
24	385	425	415	58	380	0
25	420	425	407	58	365	0
26	407	420	322	57	390	0
27	395	420	258	59	370	0
28	385	425	195	61	420	0
29	395	447	257	63	407	0
30	407	425	170	65	415	0
31	407	.....	137	50	.....	0
Mean	374	424	351	40	334	1
Max.	420	475	452	87	460	440
Min.	315	372	137	0	67	0
A. F.	16332	25242	21600	2462	21878	8501

Water used, 98,433 A. F.

2418 second-feet carried to the Dawson County Canal via Buffalo Creek

KEITH-LINCOLN COUNTY CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	44	41	132	138	129
2	40	42	146	144	129
3	46	42	126	138	129
4	46	42	126	144	129
5	40	43	132	144	129
6	50	42	80	140	129
7	50	33	100	136	129
8	58	24	100	130	129
9	62	16	130	130	129
10	46	8	130	124	129
11	50	34	140	120	129
12	46	58	146	114	129
13	46	46	146	150	129
14	40	58	136	138	129
15	46	110	140	138	129
16	34	116	140	126	130
17	18	126	140	94	130
18	50	116	136	94	130
19	50	106	120	95	130
20	58	106	120	96	130
21	58	110	70	97	130
22	62	106	120	98	130
23	50	110	94	99	130
24	46	106	126	100	130
25	34	100	110	101	130
26	40	136	24	103	135
27	50	140	24	104	135
28	50	126	94	106	135
29	34	140	106	108	135
30	40	136	116	112	135
31	40	.....	146	114	.....
Mean	45	80	116	118	130
Max.	62	140	146	144	135
Min.	18	8	24	94	129
A.F.	2824	4798	7133	7289	7755

Area reported, 6,370 acres
Water used, 22,799 A. F.
Per acre, 4.68 A. F.

LISCO CANAL, AT HEADGATE
Diverted from North Platte River

Date	June	July	Aug.	Sept.	Oct.
1	40	50	0	68	30
2	40	50	0	70	30
3	40	50	0	70	30
4	40	50	0	70	30
5	40	50	0	70	30
6	50	50	89	56	30
7	50	50	89	56	30
8	50	50	89	42	30
9	50	50	89	28	30
10	50	50	89	23	30
11	62	45	92	28	20
12	62	45	92	25	20
13	62	45	92	25	20
14	62	45	92	33	20
15	62	45	92	32	20
16	62	45	70	31	20
17	62	45	70	31	20
18	62	45	70	46	20
19	62	45	70	45	20
20	62	45	70	45	20
21	74	64	70	35	0
22	74	64	70	51	0
23	74	64	70	65	0
24	74	64	70	65	0
25	74	64	70	56	0
26	62	71	73	60	0
27	62	71	73	62	0
28	62	71	73	62	0
29	62	0	73	62	0
30	62	0	77	62	0
31	—	0	73	—	0
Mean	58	48	63	49	18
Max.	74	71	92	65	30
Min.	40	0	0	23	0
A.F.	3471	2941	3907	2924	992

Area reported. 2.961 acres
Water used. 14,235 A .F.
Per acre, 5.64 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

LYONS CANAL

Diverted from North Platte River

Date	June	July	Aug.	Sept.
1	0	3	9	5
2	0	5	8	5
3	0	6	11	5
4	0	5	14	5
5	0	6	10	2
6	0	6	2	2
7	0	6	6	2
8	0	6	5	2
9	2	8	8	2
10	1	8	3	2
11	2	6	3	2
12	3	6	4	2
13	2	6	6	2
14	1	5	8	2
15	2	3	7	2
16	3	3	7	2
17	2	3	7	2
18	2	3	7	2
19	2	3	2	2
20	2	3	8	2
21	1	3	2	2
22	1	5	2	0
23	1	2	2	0
24	2	1	2	0
25	3	1	2	0
26	3	1	8	0
27	2	2	14	0
28	1	5	10	0
29	2	6	5	0
30	2	5	5	0
31	—	5	5	....
Mean	1	4	6	2
Max.	3	8	14	5
Min.	0	1	2	0
A.F.	79	270	381	44

Area reported, 2,270 acres
Water used, 774 A. F.
Per acre, 0.34 A. F.

MEEKER CANAL

Diverted from Republican River

May	June	July	Aug.	Sept.	Oct.
0	7	49	43	13	24
0	8	33	45	12	26
0	13	29	43	13	22
0	21	33	39	18	6
18	14	43	36	21	5
18	8	12	36	34	23
17	8	21	41	22	23
18	8	20	47	21	22
18	8	29	45	20	22
17	5	29	41	23	22
16	4	26	43	21	22
14	6	21	37	18	23
13	22	29	34	16	23
10	22	29	29	14	26
13	22	29	24	18	26
20	23	27	22	21	26
20	23	24	23	18	26
20	21	33	29	18	24
18	4	29	31	18	24
18	11	18	33	18	26
18	26	39	34	18	26
17	23	29	29	17	26
18	33	39	27	16	27
18	31	33	26	15	27
18	36	26	22	15	27
18	39	43	24	16	27
16	43	41	24	17	27
14	39	49	31	20	0
20	39	47	22	22	0
9	43	45	16	24	0
7	....	47	14	—	0
14	30	32	31	15	20
20	43	49	47	34	27
7	4	12	14	12	0
874	1210	1985	1964	1105	1226

Area reported, 2,855 acres
Water used, 8,354 A. F.
Per acre, 2.92 A. F.

MIDLAND-OVERLAND CANAL

Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	10	7	13	3
2	0	10	7	13	3
3	0	10	7	13	3
4	0	10	7	13	3
5	0	10	7	13	3
6	0	10	7	13	3
7	0	10	7	13	3
8	0	10	7	13	3
9	0	10	7	13	3
10	0	10	7	13	3
11	0	10	4	13	3
12	0	10	4	13	3
13	0	10	4	13	3
14	0	10	4	13	3
15	0	10	4	13	3
16	5	7	4	13	0
17	5	7	4	13	0
18	5	7	4	13	0
19	5	7	4	13	0
20	5	7	4	13	0
21	5	7	9	8	0
22	5	7	9	8	0
23	5	7	9	8	0
24	5	7	9	8	0
25	5	7	9	8	0
26	5	7	9	8	0
27	5	7	9	8	0
28	5	7	9	8	0
29	5	7	9	8	0
30	5	7	9	8	0
31	5	—	9	8	....
Mean	5	8	7	11	3
Max.	5	10	9	13	3
Min.	0	7	4	8	0
A.F.	159	506	414	690	89

Area reported, 2,040 acres
Water used, 1,858 A. F.
Per acre, 0.91 A. F.

MINATARE CANAL

Diverted from North Platte River

May	June	July	Aug.	Sept.
.....	0	0	70	32
.....	0	0	46	28
.....	0	0	50	32
.....	0	0	60	25
.....	0	0	67	25
.....	0	0	55	28
.....	28	0	62	22
.....	28	0	62	22
.....	28	0	67	22
.....	30	0	67	22
.....	34	0	64	26
.....	40	25	25	26
.....	38	40	50	28
.....	40	70	50	28
.....	40	70	67	25
.....	38	80	67	34
.....	36	86	67	36
.....	34	82	40	40
.....	34	86	46	40
.....	40	90	64	40
.....	46	76	64	48
.....	48	76	62	48
.....	52	66	62	46
.....	55	46	53	48
.....	60	80	50	48
.....	66	80	55	52
.....	74	74	62	55
.....	70	74	67	57
.....	70	78	59	52
.....	70	78	28	36
.....	....	78	28	—
0	36	46	56	36
0	70	90	70	57
0	0	0	25	22
0	2162	2834	3443	2124

Area reported, 7,143 acres
Water used, 10,563 A. F.
Per acre, 1.48 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

MITCHELL CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	148	208	148	220
2	0	148	214	142	220
3	0	0	232	155	266
4	0	50	232	155	220
5	0	100	232	142	208
6	0	100	226	148	148
7	0	100	208	155	126
8	0	100	208	160	100
9	0	100	208	180	100
10	0	100	208	214	100
11	0	126	208	220	100
12	0	126	208	220	96
13	0	126	178	220	100
14	0	126	160	220	90
15	36	126	160	220	40
16	36	138	160	220	84
17	36	148	138	220	84
18	44	148	130	214	126
19	36	148	126	214	138
20	36	148	126	208	130
21	40	155	130	208	126
22	78	155	172	196	126
23	78	142	172	214	126
24	78	148	172	220	126
25	90	155	172	220	126
26	100	174	172	220	100
27	130	174	172	220	100
28	148	202	172	220	100
29	148	208	160	220	100
30	154	208	160	220	100
31	148	.....	155	220	.....
Mean	83	134	180	198	127
Max.	154	208	232	220	266
Min.	0	0	126	142	40
A. F.	2809	7987	11066	12204	7589

Area reported. 14,000 acres
Water used, 41,655 A. F.
Per acre, 2.97 A. F.

NINE MILE CANAL
Diverted from North Platte River

June	July	Aug.	Sept.	Oct.
0	55	49	51	25
0	59	53	51	6
0	63	53	49	3
0	65	51	55	1
0	76	49	56	0
0	76	51	55	0
25	78	49	55	0
27	80	47	55	0
35	78	44	55	0
31	75	49	58	0
29	75	44	58	0
35	65	42	56	0
50	67	42	55	0
52	78	47	55	0
48	83	51	55	0
52	81	53	58	0
46	75	49	58	0
37	67	49	58	0
48	63	51	58	0
39	59	49	60	0
35	48	45	58	0
37	43	45	56	0
35	36	45	54	0
35	31	40	48	0
40	30	54	54	0
43	44	55	55	0
44	56	54	55	0
44	60	56	51	0
48	55	56	49	0
46	54	55	40	0
—	54	59	—	0
32	62	49	54	8
52	83	59	60	25
0	30	40	40	0
1906	3826	3047	3235	69

Area reported, 6,300 acres
Water used, 12,083 A. F.
Per acre, 1.92 A. F.

NORTH PLATTE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	180	302	330	188	101
2	0	181	330	330	200	101
3	0	183	313	330	200	101
4	0	183	308	330	182	101
5	0	184	313	338	170	101
6	0	185	308	350	162	101
7	0	186	279	350	164	101
8	0	188	250	344	142	101
9	0	190	244	350	56	101
10	0	194	240	344	56	101
11	0	194	240	337	55	101
12	0	188	240	330	55	101
13	0	182	240	338	55	101
14	0	194	224	330	55	101
15	0	194	178	293	55	101
16	0	194	220	231	65	0
17	0	194	296	220	65	0
18	0	222	296	214	65	0
19	0	210	296	208	65	.0
20	0	206	296	220	65	0
21	179	250	308	200	75	0
22	179	262	320	200	75	0
23	179	368	325	172	75	0
24	179	194	320	190	75	0
25	179	188	308	190	75	0
26	179	216	290	178	85	0
27	179	256	320	194	85	0
28	179	280	296	194	85	0
29	179	274	313	194	85	0
30	179	274	336	188	85	0
31	179	.....	330	188	....	0
Mean	179	213	286	265	97	101
Max.	179	280	336	350	200	101
Min.	0	180	178	172	55	0
A. F.	3905	12681	17611	16275	5792	3205

Area reported, 14,084 acres
Water used, 57,469 A. F.
Per acre, 4.08 A. F.

NORTH RIVER CANAL
Diverted from North Platte River

May	June	July	Aug.
0	0	78	0
0	0	78	0
0	0	78	0
0	0	78	0
0	0	78	0
0	0	78	78
0	0	78	78
0	0	78	78
0	0	78	78
0	0	78	78
0	0	78	40
0	0	78	40
0	0	78	40
0	0	78	40
0	0	78	40
0	63	78	40
0	63	78	40
0	63	78	40
0	63	78	40
0	63	0	40
71	63	0	40
71	63	0	40
71	63	0	40
71	71	0	40
71	71	0	40
78	73	0	71
78	75	0	71
78	77	0	71
78	78	0	71
78	78	0	71
78	....	0	71
74	68	78	54
78	78	78	71
0	0	0	0
1632	2037	2939	2809

Area reported, 5,979 acres
Water used, 9,417 A. F.
Per acre, 1.47 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

ORCHARD-ALFALFA CANAL
Diverted from Platte River

Date	June	July	Aug.	Sept.
1	*	57	35	70
2	*	60	44	76
3	*	62	77	83
4	*	54	48	73
5	*	64	47	63
6	*	54	77	53
7	*	62	67	43
8	*	74	59	33
9	*	70	41	27
10	*	60	65	15
11	29	54	45	14
12	29	44	48	12
13	29	38	67	10
14	29	43	50	9
15	28	54	45	3
16	28	54	44	11
17	28	55	31	18
18	28	57	24	27
19	28	60	18	32
20	27	57	29	36
21	27	22	32	31
22	27	9	79	24
23	27	7	79	24
24	39	13	79	24
25	39	11	79	24
26	55	10	86	3
27	44	10	83	1
28	60	45	80	2
29	60	84	77	6
30	60	47	74	14
31	—	35	70	—
Mean	36	46	57	25
Max.	60	84	86	83
Min.	27	7	8	0
A.F.	1430	2828	3529	1708

Area reported, 3,596 acres
Water used, 12,629 A. F.
Per acre, 3.60 A. F.

	Aug.	Sept.	Oct.
Total received from Thirty Mile Canal	1313	1178	643

OSHKOSH CANAL
Diverted from North Platte River

June	July	Aug.	Sept.	Oct.
0	8	9	14	1
0	8	9	14	3
0	8	9	13	1
0	8	9	12	1
0	8	8	11	1
0	8	8	10	1
0	8	9	9	1
0	8	9	8	1
0	8	7	7	1
0	8	7	6	0
0	8	7	5	0
0	7	7	4	0
0	6	6	3	0
0	6	7	2	0
4	5	7	1	0
4	5	8	1	0
6	4	8	1	0
5	4	7	1	0
7	3	9	0	0
6	3	10	0	0
7	3	10	0	0
8	4	10	0	0
8	4	10	0	0
9	5	10	1	0
8	5	10	1	0
5	6	14	1	0
1	6	14	1	0
5	7	14	1	0
8	7	14	3	0
8	8	14	1	0
—	8	14	—	0
3	6	9	4	1
9	8	14	14	3
0	3	6	0	0
196	385	583	260	22

Area reported, 2,859 acres
Water used, 1,446 A. F.
Per acre, 0.50 A. F.

PAXTON-HERSHEY CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	84	66	123	80
2	0	76	76	120	80
3	46	72	88	120	82
4	50	76	90	120	68
5	38	76	90	120	72
6	32	58	100	120	66
7	20	56	94	120	60
8	20	52	84	120	74
9	16	58	76	102	60
10	18	58	66	110	60
11	18	54	84	117	56
12	18	56	62	114	54
13	18	62	70	52	48
14	20	62	82	77	44
15	20	62	88	70	44
16	20	62	66	65	40
17	42	66	82	58	15
18	46	70	88	77	2
19	46	94	70	77	2
20	46	116	76	82	2
21	46	120	114	82	2
22	46	116	126	92	2
23	46	116	120	72	2
24	52	112	114	62	2
25	50	112	120	68	2
26	54	110	120	80	2
27	76	90	117	77	2
28	80	92	126	80	2
29	80	76	120	92	2
30	76	66	130	94	2
31	72	—	128	82	—
Mean	36	79	126	92	34
Max.	80	120	130	123	82
Min.	0	54	62	58	2
A.F.	2404	4720	5829	5643	2041

Area reported, 7,474 acres
Water used, 20,637 A. F.
Per acre, 2.76 A. F.
*No record

RAMSHORN CANAL
Diverted from North Platte River

June	July	Aug.	Sept.
0	12	20	9
0	15	18	9
0	16	12	9
0	20	13	9
0	20	12	9
0	17	15	9
0	18	13	9
2	16	13	9
4	18	14	9
6	22	8	9
8	23	5	9
7	18	16	9
7	14	22	9
7	8	18	9
8	9	17	9
10	15	16	0
11	25	16	0
11	25	16	0
12	26	14	0
13	27	13	0
13	21	15	0
12	16	12	0
13	19	12	0
12	23	11	0
14	29	10	0
14	28	10	0
16	17	8	0
18	18	9	0
11	20	9	0
10	17	9	0
—	20	9	—
8	19	16	9
14	29	22	9
0	8	5	0
474	1174	803	268

Area reported, 1,820 acres
Water used, 2,719 A. F.
Per acre, 1.49 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

SHORT LINE CANAL

Diverted from North Platte River

Date	June	July	Aug.
1	15	24	20
2	15	24	20
3	15	24	20
4	15	24	8
5	15	24	20
6	15	24	20
7	15	24	20
8	15	24	20
9	15	24	20
10	15	24	8
11	15	24	8
12	15	24	8
13	15	24	8
14	15	24	8
15	15	24	8
16	15	26	8
17	15	26	8
18	15	26	8
19	15	26	8
20	15	26	8
21	15	26	8
22	15	26	8
23	15	26	8
24	15	26	8
25	15	26	8
26	15	26	8
27	15	26	8
28	15	26	8
29	15	26	8
30	15	26	8
31	—	26	8
Mean	15	25	11
Max.	15	26	20
Min.	15	24	8
A. F.	892	1539	682

Area reported, 2,857 acres
Water used, 3,113 A. F.
Per acre, 1.13 A. F.

SIX MILE CANAL

Diverted from Platte River

July	Aug.	Sept.
*	23	21
*	23	23
*	19	25
*	19	0
*	19	0
9	19	0
9	19	0
19	19	0
16	15	0
13	18	0
13	17	0
5	18	0
8	25	0
8	22	0
7	20	0
13	18	0
20	17	0
19	30	0
18	30	0
23	31	0
22	30	0
9	22	0
12	31	0
13	30	0
16	25	0
10	23	0
16	21	0
16	19	0
14	17	0
13	8	0
20	12	—
14	21	2
23	31	25
0	4	0
716	1262	137

Area reported, 1,810 acres
Water used, 2,115 A. F.
Per acre, 1.17 A. F.

SPOHN CANAL

Diverted from North Platte River

Date	June	July	Aug.
1	0	12	15
2	0	12	15
3	0	12	15
4	0	12	15
5	0	12	15
6	0	12	6
7	0	12	6
8	0	12	6
9	0	12	6
10	0	12	6
11	0	12	6
12	0	12	6
13	0	12	6
14	0	12	6
15	0	12	6
16	12	2	6
17	12	2	6
18	12	2	6
19	12	2	6
20	12	2	6
21	12	2	6
22	12	2	6
23	12	2	6
24	12	2	6
25	12	2	6
26	12	2	6
27	12	2	6
28	12	2	6
29	12	2	6
30	12	2	6
31	—	2	6
Mean	6	7	7
Max.	12	12	15
Min.	0	2	6
A. F.	357	420	458

Area reported, 853 acres
Water used, 1,235 A. F.
Per acre, 1.45 A. F.
*No record

SUBURBAN CANAL

Diverted from North Platte River

July	Aug.	Sept.
52	132	87
52	132	87
52	132	87
52	132	87
52	132	87
52	132	82
52	132	77
52	74	72
52	78	67
52	90	62
52	70	57
52	94	52
52	52	40
52	64	46
52	102	50
52	94	74
52	86	66
108	78	82
108	38	82
108	35	82
108	16	82
108	30	77
108	24	72
126	35	67
126	48	62
126	59	57
126	70	52
126	85	47
126	85	50
126	85	25
132	85	—
82	81	65
132	132	87
52	16	25
5050	4961	3907

Area reported, 7,526 acres
Water used, 15,925 A. F.
Per acre, 2.12 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

THIRTY MILE CANAL, AT RATING FLUME
Diverted from Platte River

Date	June	July	Aug.	Sept.	Oct.
1	*	80	165	237	150
2	*	77	165	232	160
3	*	77	180	237	150
4	*	77	210	230	140
5	*	60	215	231	140
6	*	80	225	207	170
7	*	75	232	167	170
8	*	80	220	137	172
9	*	92	200	100	168
10	*	117	197	97	165
11	*	127	219	210	165
12	*	160	242	137	164
13	*	185	227	145	160
14	*	275	212	145	157
15	*	285	150	157	160
16	*	280	100	175	97
17	*	160	62	165	95
18	*	220	60	155	165
19	*	170	0	127	160
20	*	175	40	120	150
21	5	185	150	100	150
22	12	175	255	97	155
23	25	163	260	100	145
24	32	132	237	70	135
25	60	247	230	95	132
26	12	115	245	125	125
27	60	110	247	160	137
28	77	110	238	157	130
29	75	105	237	157	117
30	72	70	237	157	115
31	.....	127	232	——	5
Mean	43	141	190	154	142
Max.	77	285	260	237	172
Min.	0	60	0	70	5
A. F.	853	8709	11680	9182	8735

Area reported, 17,981 acres
Water used, 36,025 A. F.
Waste, 3,134
Per acre, 2.00 A. F.

THIRTY MILE CANAL WASTE
Into Orchard and Alfalfa Canals

	Aug.	Sept.	Oct.
1	14	6	0
2	14	24	0
3	14	16	6
4	14	25	16
5	14	21	4
6	20	60	8
7	26	40	11
8	32	36	13
9	38	6	12
10	44	6	15
11	36	9	14
12	29	7	30
13	29	22	25
14	29	24	16
15	29	22	10
16	24	30	0
17	20	28	0
18	20	45	8
19	25	38	8
20	30	28	13
21	38	24	11
22	38	18	15
23	44	15	19
24	0	10	14
25	6	8	8
26	3	3	5
27	3	1	11
28	3	2	11
29	2	6	21
30	21	14	0
31	3	—	0
Mean	21	19	10
Max.	44	60	30
Min.	0	1	0
A. F.	1313	1178	643

Water used, 3,134 A. F.

TRI-STATE CANAL
Into Mitchell Spillway

Date	May	June	July	Aug.	Sept.
1	0	0	——	.....	0
2	0	0	——	.....	0
3	0	0	——	.....	0
4	0	0	——	.....	0
5	0	0	——	.....	0
6	0	100	——	.....	100
7	0	100	——	——	200
8	0	100	——	——	250
9	0	150	.....	——	250
10	0	150	.....	——	250
11	0	150	.....	——	250
12	0	150	.....	——	250
13	0	150	.....	.....	200
14	0	150	.....	——	250
15	0	50	.....	——	250
16	0	0	——	——	250
17	0	0	——	——	250
18	0	0	——	——	250
19	200	0	——	.....	250
20	200	0	——	——	100
21	200	0	——	——	0
22	100	0	.....	——	100
23	0	0	——	——	0
24	0	0	——	——	0
25	0	0	——	——	0
26	0	0	——	——	0
27	0	0	——	——	0
28	0	0	——	——	0
29	0	0	——	——	0
30	0	0	——	——	0
31	0	——	——	.....	.....
Mean	175	125	0	0	172
Max.	200	150	0	0	250
Min.	0	0	0	0	0
A. F.	1388	2479	0	0	6843

Water used, 10,710 A. F.
*No record

TRI-STATE CANAL
Into Red Willow Waste

	May	June	July	Aug.	Sept.
1	0	27	——	.....	0
2	0	175	.....	——	0
3	0	127	——	——	0
4	0	145	——	——	0
5	0	184	——	.....	0
6	0	202	——	——	60
7	0	158	——	——	125
8	0	184	.....	——	58
9	0	184	——	——	68
10	0	145	——	——	68
11	0	119	——	.....	172
12	0	107	——	——	215
13	0	93	——	——	185
14	0	70	.....	——	90
15	0	35	——	——	62
16	0	105	——	——	75
17	0	97	——	.....	65
18	0	60	——	——	42
19	200	0	——	——	45
20	159	0	.....	——	30
21	70	0	——	——	0
22	94	0	——	——	0
23	69	0	——	.....	150
24	32	0	——	——	0
25	42	0	——	——	0
26	81	0	——	——	0
27	105	0	——	——	0
28	50	0	——	——	0
29	80	0	——	.....	0
30	43	0	——	——	0
31	15	——	——	.....	——
Mean	87	73	0	0	50
Max.	200	202	0	0	215
Min.	0	0	0	0	0
A. F.	2063	4397	0	0	2995

Water used, 9,455 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

TRI-STATE CANAL WASTE
Into Winters Creek

Date	May	June	July	Aug.
1	.....	.....	.....	.....
2	.....	.....	.....	.....
3	.....	.....	.....	.....
4	.....	.....	.....	.....
5	.....	.....	.....	.....
6	.....	.....	.....	.....
7	.....	.....	.....	.....
8	.....	.....	.....	.....
9	.....	.....	.....	.....
10	.....	.....	.....	.....
11	.....	.....	.....	.....
12	.....	.....	.....	.....
13	.....	.....	.....	.....
14	.....	.....	.....	.....
15	.....	.....	.....	.....
16	.....	.....	.....	.....
17	.....	.....	.....	.....
18	0	.....	.....	.....
19	50	.....	.....	.....
20	50	.....	.....	.....
21	0	.....	.....	.....
22	.....	.....	.....	.....
23	.....	.....	.....	.....
24	.....	.....	.....	.....
25	.....	.....	.....	.....
26	.....	.....	.....	.....
27	.....	.....	.....	.....
28	.....	.....	.....	.....
29	.....	.....	.....	.....
30	.....	.....	.....	.....
31	.....	.....	.....	.....
Mean	3	0	0	0
Max.	50	0	0	0
Min.	0	0	0	0
A. F.	198	0	0	0

Water used, 198 A. F.

TRI-STATE CANAL WASTE
Into Nine Mile Drain

	May	June	July	Aug.	Sept.
1	.....	.....	.....	.....	.....
2	.....	.....	.....	.....	.....
3	.....	.....	.....	.....	.....
4	.....	.....	.....	.....	.....
5	.....	.....	.....	.....	.....
6	.....	.....	.....	.....	.....
7	.....	.....	.....	.....	.....
8	.....	.....	.....	.....	.....
9	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....
11	.....	.....	.....	.....	.....
12	.....	.....	.....	.....	.....
13	.....	.....	.....	.....	.....
14	.....	.....	.....	.....	.....
15	.....	.....	.....	.....	.....
16	.....	.....	.....	.....	.....
17	.....	.....	.....	.....	.....
18	0	.....	.....	.....	.....
19	50	.....	.....	.....	.....
20	50	.....	.....	.....	.....
21	0	.....	.....	.....	.....
22	.....	.....	.....	.....	.....
23	.....	.....	.....	.....	.....
24	.....	.....	.....	.....	.....
25	.....	.....	.....	.....	.....
26	.....	.....	.....	.....	.....
27	.....	.....	.....	.....	.....
28	.....	.....	.....	.....	.....
29	.....	.....	.....	.....	.....
30	.....	.....	.....	.....	.....
31	.....	.....	.....	.....	.....
Mean	5	0	0	0	0
Max.	50	0	0	0	0
Min.	0	0	0	0	0
A. F.	297	0	0	0	0

Water used, 297 A. F.

TRI-STATE CANAL
Diverted from Sheep Creek

Date	May	June	July	Aug.	Sept.
1	0	90	82	91	91
2	0	90	82	91	91
3	0	0	82	91	91
4	0	0	82	91	91
5	0	0	82	91	91
6	0	0	82	91	91
7	0	0	82	91	91
8	0	0	82	91	91
9	0	0	82	91	91
10	0	0	82	91	91
11	0	0	82	91	91
12	0	0	82	91	0
13	0	0	82	91	0
14	0	0	82	91	0
15	0	0	82	91	0
16	0	0	80	91	0
17	0	90	80	91	0
18	0	90	80	91	0
19	0	90	80	91	0
20	0	90	80	91	0
21	0	90	80	91	0
22	0	90	80	91	0
23	0	90	80	91	0
24	90	90	80	91	0
25	90	90	80	91	0
26	90	90	80	91	0
27	90	90	80	91	0
28	90	90	80	91	0
29	90	90	80	91	0
30	90	90	80	91	0
31	90	.....	80	91	.....
Mean	45	48	81	91	33
Max.	90	90	82	91	91
Min.	0	0	80	91	0
A. F.	1428	2856	4978	5595	1985

Water used, 16,842 A. F.

TRI-STATE CANAL
Into Wild Horse Drain

	June	July	Aug.	Sept.
1	0	.....	.....	0
2	0	.....	.....	0
3	15	.....	.....	0
4	0	.....	.....	0
5	0	.....	.....	0
6	25	.....	.....	0
7	25	.....	.....	0
8	25	.....	.....	0
9	25	.....	.....	0
10	25	.....	.....	0
11	25	.....	.....	0
12	0	.....	.....	0
13	0	.....	.....	20
14	0	.....	.....	0
15	0	.....	.....	0
16	0	.....	.....	0
17	0	.....	.....	0
18	0	.....	.....	0
19	0	.....	.....	0
20	0	.....	.....	0
21	0	.....	.....	0
22	0	.....	.....	0
23	0	.....	.....	0
24	0	.....	.....	0
25	0	.....	.....	0
26	0	.....	.....	0
27	0	.....	.....	0
28	0	.....	.....	0
29	0	.....	.....	0
30	0	.....	.....	0
31	.....	.....	.....	.....
Mean	24	0	0	20
Max.	25	0	0	20
Min.	15	0	0	20
A. F.	330	0	0	40

Water used, 370 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

TRI-STATE CANAL
Delivered to Northport Irrigation District

Date	May	June	July	Aug.	Sept.
1	0	150	270	219	192
2	0	149	256	217	192
3	0	150	256	214	184
4	0	150	256	217	180
5	0	150	256	204	192
6	0	125	254	208	178
7	0	132	256	208	178
8	0	132	256	204	135
9	0	132	250	204	120
10	0	127	252	207	120
11	0	131	252	224	120
12	0	130	240	236	120
13	0	127	252	230	85
14	0	130	254	216	100
15	0	130	250	230	100
16	0	127	260	215	70
17	0	162	253	242	72
18	0	173	260	250	72
19	0	210	260	254	70
20	35	185	250	254	80
21	50	194	253	244	76
22	56	195	256	218	0
23	64	212	252	190	0
24	62	220	236	198	0
25	73	220	236	200	0
26	96	222	250	175	0
27	100	230	256	194	0
28	102	236	256	206	0
29	102	250	256	218	0
30	130	256	224	230	0
31	130	.....	219	204	.....
Mean	91	171	251	216	125
Max.	102	256	270	254	192
Min.	0	127	219	175	0
A. F.	1983	10189	15444	13349	5228

Area reported, 11,241 acres
Water used, 46,193 A. F.
Per acre, 4.10 A. F.

TRI-STATE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
0	1040	1270	1270	1300
0	882	1270	1270	1300
0	882	1270	1270	1300
0	882	1270	1270	1300
0	882	1270	1270	1300
0	882	1270	1270	1300
0	882	1270	1270	1164
0	882	1270	1270	1120
0	882	1270	1270	1030
0	882	1270	1270	1040
0	882	1270	1270	950
0	882	1270	1270	950
0	930	1270	1270	790
0	1010	1270	1270	790
0	1010	1270	1270	790
200	1030	1270	1315	790
428	1050	1270	1315	790
598	1080	1270	1315	790
598	1100	1270	1315	790
636	1120	1270	1315	670
636	1150	1270	1315	670
636	1170	1270	1315	670
636	1200	1270	1315	850
730	1200	1270	1315	850
730	1200	1270	1315	850
882	1225	1270	1300	850
882	1225	1270	1146	790
882	1270	1270	1146	670
882	1270	1270	1300	670
850	1270	1270	1300	670
850	.....	1270	1300	.....
691	1041	1270	1280	926
882	1270	1270	1315	1300
200	882	1270	1270	670
21925	31988	78099	78729	55129

Water used, 295,870 A. F.

TRI-STATE CANAL
Diverted from Akers Draw

Date	May	June	July	Aug.	Sept.
1	0	10	13	10	10
2	0	10	13	10	10
3	0	10	13	10	10
4	0	10	13	10	10
5	0	10	13	10	10
6	0	10	13	10	10
7	0	10	13	10	10
8	0	10	13	10	10
9	0	10	13	10	10
10	0	10	13	10	10
11	0	10	13	10	18
12	0	10	13	10	18
13	0	10	13	10	18
14	0	10	13	10	18
15	0	10	13	10	18
16	10	12	11	10	12
17	10	12	11	10	12
18	10	12	11	10	12
19	10	12	11	10	12
20	10	12	11	10	12
21	10	12	11	10	12
22	10	12	11	10	12
23	10	12	11	10	12
24	10	12	11	10	12
25	10	12	11	10	12
26	10	12	11	10	12
27	10	12	11	10	12
28	10	12	11	10	12
29	10	12	11	10	12
30	10	12	11	10	0
31	10	.....	11	10	.....
Mean	5	11	12	10	12
Max.	10	12	13	10	18
Min.	0	10	11	10	0
A. F.	317	654	736	614	710

Water used, 3,031 A. F.

TRI-STATE CANAL
Diverted from Wet Spotted Tail Creek

May	June	July	Aug.	Sept.
0	10	16	18	30
0	10	16	18	30
0	10	16	18	30
0	10	16	18	30
0	10	16	18	30
0	10	16	18	30
0	10	16	18	30
0	10	16	18	30
0	10	16	18	30
0	10	16	18	30
0	10	18	34	30
0	10	18	34	30
0	10	18	34	30
0	10	18	34	30
0	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	10	18	34	30
10	.....	18	34	.....
10	10	17	29	30
10	10	18	34	30
10	10	16	18	30
317	595	1067	1770	1780

Water used, 5,529 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Continued

WESTERN IRRIGATION CANAL

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	.....	46	70	23	32	19	70
2	.....	50	70	20	32	19	70
3	.....	57	57	16	32	19	70
4	.....	46	57	16	27	32	70
5	.....	27	57	16	27	27	70
6	.....	23	55	16	23	38	70
7	.....	20	55	16	23	57	70
8	.....	15	53	23	23	64	70
9	.....	12	53	23	19	80	70
10	.....	10	51	23	23	85	70
11	.....	8	50	23	23	85	70
12	.....	5	50	23	23	95	70
13	.....	0	48	20	16	70	70
14	.....	0	48	27	16	50	70
15	.....	0	46	32	16	38	70
16	.....	0	46	32	16	38	70
17	.....	70	46	46	16	13	70
18	.....	50	46	50	16	10	70
19	.....	32	32	46	23	16	70
20	.....	57	32	32	23	32	70
21	.....	80	32	32	19	23	100
22	120	80	32	27	19	19	100
23	120	64	32	65	18	50	100
24	100	60	32	65	16	60	100
25	95	60	23	65	16	65	100
26	46	60	23	50	16	70	85
27	64	60	23	46	16	70	85
28	50	60	27	38	32	70	85
29	64	60	27	45	27	70	23
30	50	60	27	46	23	70	0
31	.....	60	.....	46	19	.....	0
Mean	79	40	43	34	22	39	70
Max.	120	80	57	65	32	95	100
Min.	46	0	23	16	16	10	0
A. F.	1406	2444	2578	2079	1329	2370	4320

Area reported, 13,480 acres
Water used, 16,526 A. F.
Per acre, 1.23 A. F.

WINTERS CREEK CANAL
Diverted from North Platte River

Date	May	June	July	Aug.
1	0	49	53	45
2	0	49	53	45
3	0	33	49	45
4	0	33	40	45
5	0	37	40	45
6	0	37	40	45
7	0	37	58	45
8	0	40	49	45
9	0	40	49	45
10	0	0	49	45
11	0	0	40	42
12	0	0	33	42
13	0	27	33	42
14	0	27	40	42
15	0	27	40	42
16	0	27	49	42
17	0	44	46	42
18	13	44	46	42
19	13	44	46	42
20	22	44	46	42
21	30	40	46	39
22	30	40	46	39
23	23	40	46	39
24	26	58	46	39
25	26	53	46	39
26	26	53	46	39
27	26	58	46	39
28	30	64	46	0
29	30	58	46	0
30	40	58	46	0
31	40	.....	46	39
Mean	27	35	45	37
Max.	40	64	46	45
Min.	0	0	33	39
A. F.	744	2303	2787	2267

Water used, 8,101 A. F.
*No record

WINTERS CREEK CANAL
Diverted from Winters Creek

May	June	July	Aug.	Sept.
0	53	59	54	*
0	53	59	54	.....
0	53	59	54	.....
0	53	59	54	.....
0	53	59	54	.....
0	53	59	54	.....
0	53	59	54	.....
0	53	59	54	.....
0	53	59	54	.....
0	53	59	54	.....
0	53	59	54	.....
0	53	0	54	.....
0	53	0	54	.....
0	53	0	54	.....
0	53	0	54	.....
0	53	0	54	.....
6	53	0	54	.....
6	53	0	54	.....
6	53	0	54	.....
6	53	0	54	.....
6	53	0	54	.....
6	53	0	48	.....
6	53	0	48	.....
6	53	0	48	.....
6	53	0	48	.....
6	53	0	48	.....
6	53	0	48	.....
6	53	0	48	.....
6	53	0	48	.....
6	53	0	48	.....
6	.....	0	48	.....
6	53	59	51	.....
6	53	59	54	.....
0	53	0	48	.....
190	3154	1170	2951	.....

Water used, 7,465 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1929—Concluded

WHITNEY PIPE LINE

Diverted from White River

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	19	0	0	0	12	7	0	0	12
2	0	19	27	0	0	12	7	0	0	12
3	0	19	27	0	0	12	7	0	0	12
4	0	19	27	0	0	12	7	0	0	12
5	27	19	27	0	0	12	7	0	0	12
6	27	19	0	7	0	12	4	0	0	12
7	27	19	0	7	0	12	4	0	0	12
8	27	19	0	7	0	12	4	0	0	12
9	27	19	0	7	0	40	4	0	0	12
10	27	19	0	7	0	40	4	4	0	12
11	27	19	0	7	0	40	4	4	0	12
12	31	19	0	7	0	40	4	4	0	12
13	31	19	0	19	0	40	35	4	0	16
14	31	19	0	19	0	40	35	4	0	16
15	31	19	0	19	0	40	35	4	0	16
16	31	16	0	19	0	40	35	4	0	16
17	31	16	0	19	0	40	35	4	0	16
18	31	16	0	19	0	40	35	4	0	16
19	27	16	0	19	0	0	35	4	0	16
20	27	16	0	0	0	0	23	4	0	0
21	27	16	0	23	0	0	23	4	0	0
22	27	16	0	23	0	19	23	4	0	0
23	27	19	0	23	0	19	23	4	0	0
24	27	0	0	23	0	19	23	7	0	0
25	27	0	0	23	0	19	23	7	0	0
26	19	0	0	23	12	7	23	7	0	0
27	19	0	0	23	12	7	19	0	0	0
28	19	0	0	0	12	7	19	0	0	0
29	19	....	0	0	12	7	19	0	0	0
30	19	....	0	0	12	7	19	0	0	0
31	19	—	0	....	12	—	19	0	—	0
Mean	22	15	27	12	2	20	18	3	0	14
Max.	31	19	27	23	12	40	35	7	0	16
Min.	0	0	0	0	0	0	4	0	0	0
A. F.	1353	825	214	680	143	1204	1119	153	0	507

Water used, 6,198 A. F.

WHITNEY IRRIGATION DISTRICT RESERVOIR

Daily Contents in Acre Feet

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5700	7300	8650	9100	9100	8650	7300	5900	4200	4200	4300	4550
2	5700	7300	8650	9100	9100	8650	7300	5800	4200	4200	4300	4550
3	5700	7400	8650	9100	9100	8650	7300	5700	4200	4200	4300	4550
4	5700	7500	8700	9100	9100	8650	7300	5700	4200	4200	4300	4550
5	5700	7600	8700	9100	9100	8800	7300	5600	4200	4200	4300	4550
6	5800	7700	8800	9100	9100	8900	7300	5600	4200	4200	4300	4550
7	5900	7800	8900	9100	9100	9000	7300	5600	4200	4200	4300	4550
8	6000	7800	9000	9200	9100	9100	7300	5500	4200	4200	4300	4550
9	6100	7800	9100	9200	9100	9100	7300	5500	4200	4200	4300	4550
10	6200	7800	9100	9300	9100	9100	7300	5400	4200	4200	4300	4550
11	6300	7900	9100	9400	9100	9100	7300	5400	4200	4200	4400	4550
12	6300	7900	9100	9500	9100	9100	7300	5400	4200	4200	4400	4550
13	6300	7900	9100	9550	9100	9100	7300	5300	4200	4200	4400	4550
14	6300	7900	9100	9550	9100	9100	7300	5300	4200	4200	4400	4550
15	6300	8000	9100	9550	9100	9100	7300	5200	4200	4200	4400	4550
16	6300	8000	9100	9550	9100	9000	7200	5200	4100	4200	4400	4550
17	6300	8100	9100	9550	9100	8900	7100	5200	4100	4200	4400	4550
18	6300	8100	9100	9550	9100	8800	7000	5200	4100	4200	4400	4550
19	6300	8200	9100	9550	9100	8700	6900	5300	4000	4200	4400	4550
20	6300	8200	9100	9550	9100	8600	6800	5300	4000	4200	4400	4550
21	6400	8300	9100	9550	8000	8500	6700	5300	3950	4200	4500	4550
22	6500	8300	9100	9550	8900	8400	6600	5400	3950	4200	4500	4550
23	6600	8300	9100	9550	8800	8400	6500	5400	3950	4200	4500	4550
24	6700	8300	9100	9550	8700	8400	6400	5400	3950	4200	4500	4550
25	6800	8300	9100	9550	8650	8300	6300	5200	3950	4200	4500	4550
26	6800	8400	9100	9550	8650	8200	6300	5000	3950	4200	4500	4550
27	6900	8400	9100	9550	8650	8100	6300	4800	3950	4200	4500	4550
28	7000	8500	9100	9400	8650	8000	6200	4600	3950	4200	4500	4550
29	7100	.....	9100	9300	8650	7900	6100	4400	4000	4200	4500	4550
30	7200	.....	9100	9200	8650	7800	6000	4300	4100	4200	4500	4550
31	7300	.....	9100	.....	8650	.....	6000	4200	.....	4200	.....	4550

DISCHARGE IN SECOND-FEET OF CANALS, 1930

ALFALFA CANAL
Diverted from North Platte River

Date	June	July	Aug.	Sept.
1	.....	9	41	2
2	.....	5	48	2
3	.....	12	43	2
4	.....	20	52	2
5	.....	14	0	2
6	.....	21	0	2
7	.....	21	0	2
8	.....	20	0	2
9	.....	20	0	2
10	.....	22	0	2
11	.....	23	47	10
12	.....	30	50	10
13	.....	27	41	10
14	.....	30	20	10
15	.....	39	36	10
16	.....	0	43	10
17	.....	0	52	10
18	.....	0	48	10
19	.....	0	41	10
20	.....	0	40	10
21	.....	0	30	22
22	.....	3	22	22
23	.....	0	14	22
24	**0	0	6	22
25	6	30	4	22
26	4	41	3	22
27	7	45	2	22
28	14	48	2	22
29	13	43	2	22
30	14	41	2	22
31	.....	41	2	.....
Mean	2	19	22	11
Max.	14	48	52	22
Min.	0	0	0	2
A. F.	115	1200	1370	674

Area reported, 3,078 acres
Water used, 3,359 A. F.
Per acre, 1.09 A. F.

ALLIANCE CANAL
Diverted from Bayard Sugar Factory Drain

May	June	July	Aug.	Sept.
.....	.....	26	0	.....
.....	.....	26	0	.....
.....	.....	26	0	.....
.....	.....	26	0	.....
.....	.....	26	14	.....
.....	.....	29	14	.....
.....	.....	29	16	.....
.....	.....	29	18	.....
.....	.....	29	25	.....
.....	.....	28	30	.....
.....	.....	29	31	.....
.....	.....	29	15	.....
.....	.....	31	5	.....
.....	.....	31	15	.....
.....	.....	32	16	.....
.....	0	32	18	.....
.....	0	34	17	.....
.....	0	34	2	.....
.....	0	37	0	.....
.....	0	38	0	.....
.....	24	0	0	.....
.....	24	0	0	.....
.....	24	27	0	.....
.....	24	13	0	.....
.....	24	29	0	.....
.....	26	29	0	.....
.....	26	29	0	.....
.....	26	29	0	.....
.....	0	33	0	.....
.....	0	0	0	.....
.....	.....	0	0	.....
.....	6	25	7	.....
.....	26	38	31	.....
.....	0	0	0	.....
.....	393	1567	468	.....

Area reported, 2,030 acres
Water used, 2,428 A. F.
Per acre, 1.20 A. F.

ALLIANCE CANAL
Diverted from Red Willow Creek

Date	May	June	July	Aug.	Sept.
1	.....	.....	41	30	18
2	.....	.....	41	30	18
3	.....	.....	41	30	18
4	.....	.....	41	30	18
5	.....	.....	41	36	18
6	.....	.....	41	36	18
7	.....	.....	41	32	18
8	.....	.....	41	25	18
9	.....	.....	41	20	18
10	.....	.....	41	10	18
11	.....	.....	27	25	20
12	.....	.....	27	24	20
13	.....	.....	27	24	20
14	.....	.....	27	0	20
15	.....	.....	27	0	20
16	.....	.....	30	0	20
17	.....	.....	30	2	20
18	.....	.....	30	2	20
19	.....	.....	30	0	20
20	.....	.....	0	0	20
21	.....	.....	0	0	32
22	.....	.....	24	0	32
23	.....	.....	29	0	32
24	.....	.....	28	8	32
25	.....	.....	27	16	32
26	.....	.....	27	16	32
27	.....	.....	26	16	32
28	.....	.....	24	0	32
29	.....	.....	24	18	32
30	.....	.....	52	18	32
31	.....	.....	29	18	.....
Mean	.....	.....	31	15	23
Max.	.....	.....	52	36	32
Min.	.....	.....	0	0	18
A. F.	.....	.....	1894	924	1388

Area reported, 4,066 acres
Water used, 4,206 A. F.
Per acre, 1.03 A. F.
**Canal opened

BEERLINE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
.....	0	9	11	7
.....	0	9	11	7
.....	0	9	11	7
.....	0	9	11	7
.....	0	9	11	7
.....	0	9	8	7
.....	0	9	8	7
.....	0	9	8	7
.....	0	9	8	7
.....	0	9	8	7
.....	0	10	8	9
.....	0	10	8	9
.....	0	10	8	9
.....	0	10	8	9
.....	0	10	8	9
.....	0	10	5	9
.....	0	10	5	9
.....	0	10	5	9
.....	0	10	5	9
.....	0	10	5	9
.....	4	11	5	11
.....	8	11	5	11
.....	8	11	5	11
.....	8	11	5	11
.....	8	11	5	11
.....	8	11	5	11
.....	8	11	5	11
.....	8	11	5	11
.....	8	11	5	11
.....	.....	11	5	.....
.....	2	10	7	9
.....	8	11	11	11
.....	0	9	5	7
.....	167	617	426	535

Area reported, 3,880 acres
Water used, 1,745 A. F.
Per acre, 0.45 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

BELMONT CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	45	220	200	6
2	0	45	183	200	6
3	0	45	166	183	6
4	0	39	166	183	6
5	0	68	183	183	6
6	0	56	166	166	10
7	0	56	183	166	10
8	0	56	183	166	10
9	0	68	200	116	10
10	0	56	200	56	10
11	0	56	200	56	10
12	0	56	220	68	17
13	0	56	220	68	17
14	0	68	166	56	17
15	0	68	166	45	17
16	0	35	183	35	26
17	0	26	183	17	26
18	0	17	200	10	45
19	0	17	183	6	45
20	0	17	130	6	35
21	0	56	96	6	26
22	0	96	96	6	35
23	0	96	96	6	56
24	0	183	96	10	116
25	0	68	116	10	116
26	0	112	130	10	96
27	45	148	130	6	84
28	39	183	116	6	96
29	45	200	148	6	96
30	45	200	166	6	96
31	45	.....	183	6	.....
Mean	43	76	163	67	38
Max.	45	200	220	200	116
Min.	0	17	96	6	6
A. F.	434	4546	10064	4094	2285

Area reported, 14,000 acres
Water used, 24,387 A. F.
Per acre, 1.74 A. F.
Diverted from River.....21,423
From Cedar Creek..... 2,964
Total acre-feet.....24,387
Note: Empire Canal not reported

BELMONT CANAL
Diverted from Cedar Creek

May	June	July	Aug.	Sept.
0	13	7	7	11
0	13	7	7	11
0	13	7	7	11
0	13	7	7	11
0	13	7	7	11
0	13	5	7	11
0	13	5	7	11
0	13	5	7	11
0	13	5	7	11
0	13	5	7	11
19	13	5	9	13
19	13	5	9	13
19	13	5	9	13
19	13	5	9	13
19	13	5	9	13
19	9	8	9	13
19	9	8	9	13
19	9	8	9	13
19	9	8	9	13
19	9	8	9	13
13	9	8	11	14
13	9	8	11	14
13	9	8	11	14
13	9	8	11	14
13	9	8	11	14
13	7	7	11	14
13	7	7	11	14
13	7	7	11	14
13	7	7	11	14
13	7	7	11	14
13	.....	7	11	.....
16	10	6	9	12
19	13	8	11	14
0	7	5	7	11
635	621	397	557	754

Water used, 2,964 A. F.

BIRDWOOD CANAL
Diverted from Birdwood Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	.....	0	12	24	14	1
2	.....	0	12	24	14	1
3	.....	0	12	12	14	1
4	.....	0	12	0	20	1
5	.....	0	12	42	14	1
6	.....	0	13	50	9	1
7	.....	0	24	40	14	1
8	.....	0	24	46	14	1
9	.....	0	22	20	12	1
10	.....	0	5	17	14	1
11	.....	0	22	17	14	1
12	.....	0	24	5	14	1
13	.....	0	26	14	14	1
14	.....	0	17	24	14	1
15	.....	0	13	45	14	1
16	.....	0	13	24	14	3
17	.....	0	12	20	14	3
18	.....	0	70	20	14	3
19	.....	0	106	22	14	3
20	.....	8	110	20	14	3
21	.....	13	118	17	14	3
22	.....	14	118	17	14	3
23	.....	14	130	20	14	3
24	.....	13	130	3	14	3
25	.....	13	70	14	14	3
26	.....	12	24	14	10	3
27	.....	12	16	14	8	3
28	.....	12	8	14	8	3
29	.....	12	20	14	6	3
30	.....	12	20	14	6	3
31	.....	.....	20	14	.....	3
Mean	.....	12	39	20	13	2
Max.	.....	14	130	50	20	3
Min.	.....	0	5	0	6	1
A. F.	.....	268	2450	1271	768	125

Area reported, 5,507 acres
Water used, 4,882 A. F.
Per acre, 1.13 A. F.

BROWN CREEK CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
.....	0	73	74	18
.....	0	73	77	18
.....	0	75	78	12
.....	0	78	73	18
.....	0	78	70	8
.....	0	78	78	8
.....	0	56	47	8
.....	0	41	51	10
.....	0	40	45	12
.....	0	41	40	12
.....	0	45	36	7
.....	0	18	15	6
.....	0	28	3	4
.....	26	28	3	4
.....	15	0	3	6
.....	14	0	3	6
.....	11	0	3	6
.....	10	0	6	6
.....	10	62	9	6
.....	23	47	12	6
.....	44	60	18	33
.....	39	60	18	33
.....	19	65	18	33
.....	19	68	15	31
.....	18	65	12	28
.....	26	76	23	12
.....	32	70	21	3
.....	36	74	20	3
.....	36	75	12	3
.....	28	57	15	1
.....	.....	72	18	.....
.....	13	52	29	12
.....	44	78	78	33
.....	0	0	3	1
.....	805	3179	1817	728

Area reported, 6,141 acres
Water used, 6,529 A. F.
Per acre, 1.05 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

CASTLE ROCK CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	.....	13	68	86	56	43
2	.....	13	82	74	56	43
3	.....	13	72	80	56	43
4	.....	13	72	80	56	43
5	.....	13	60	74	72	43
6	.....	13	64	78	72	20
7	.....	10	68	76	72	20
8	.....	11	76	82	72	20
9	.....	13	92	44	72	20
10	.....	13	86	20	72	20
11	.....	13	86	45	72	0
12	.....	10	89	64	72	0
13	.....	6	72	45	72	0
14	.....	8	80	60	72	0
15	.....	6	80	38	72	0
16	.....	6	80	9	64	0
17	.....	9	86	50	64	0
18	.....	18	90	53	64	0
19	.....	30	80	56	64	0
20	.....	52	90	56	64	0
21	.....	44	86	50	64	0
22	.....	34	86	50	64	0
23	.....	30	86	50	64	0
24	.....	28	87	50	64	0
25	.....	30	86	50	64	0
26	.....	40	86	56	64	0
27	.....	38	85	56	64	0
28	.....	46	86	56	64	0
29	.....	44	86	56	64	0
30	.....	40	102	56	64	0
31	.....	.....	86	56	.....	0
Mean	.....	21	83	57	65	10
Max.	.....	46	102	86	72	43
Min.	.....	6	60	9	64	0
A. F.	.....	1303	5028	3483	3919	625

Area reported, 6,155 acres
Water used, 13,703 A. F.
Per acre, 2.22 A. F.
Total acre-feet diverted.....14,358
Waste 605
Net draft 13,703

CASTLE ROCK CANAL WASTE NO. 1
Section 34-21-53

May	June	July	Aug.	Sept.
.....	.....	0	0	.....
.....	.....	0	7	.....
.....	.....	0	9	.....
.....	.....	0	7	.....
.....	.....	0	7	.....
.....	.....	0	7	.....
.....	.....	0	14	.....
.....	.....	0	0	.....
.....	.....	0	37	.....
.....	.....	0	37	.....
.....	.....	7	0	.....
.....	.....	13	0	.....
.....	.....	13	0	.....
.....	.....	14	0	.....
.....	.....	14	0	.....
.....	.....	13	0	.....
.....	.....	0	0	.....
.....	.....	17	0	.....
.....	.....	7	0	.....
.....	.....	14	0	.....
.....	.....	14	0	.....
.....	.....	12	0	.....
.....	.....	14	0	.....
.....	.....	0	0	.....
.....	.....	0	0	.....
.....	.....	26	0	.....
.....	.....	0	0	.....
.....	.....	2	0	.....
.....	.....	0	0	.....
.....	.....	0	0	.....
.....	.....	0	0	.....
.....	.....	6	4	.....
.....	.....	17	37	.....
.....	.....	0	0	.....
.....	.....	357	248	.....

Waste, 605 A. F.

CENTRAL CANAL
Diverted from North Platte River

Date	June	July	Aug.	Sept.	Oct.
1	.....	47	19	25	5
2	.....	47	19	19	5
3	.....	44	21	13	7
4	30	41	30	19	5
5	21	41	44	17	3
6	21	0	37	15	5
7	21	41	30	10	5
8	17	41	30	25	0
9	17	33	28	15	0
10	17	13	18	25	0
11	17	30	27	30	0
12	15	28	0	15	0
13	15	30	11	13	0
14	35	28	23	10	0
15	35	28	0	10	0
16	38	35	0	10	0
17	38	35	0	5	0
18	47	38	0	25	0
19	0	30	0	28	0
20	38	31	19	13	0
21	38	28	15	10	0
22	41	28	15	11	0
23	44	28	13	28	0
24	41	23	19	5	0
25	41	23	17	19	0
26	0	14	21	10	0
27	0	35	25	7	0
28	0	28	19	5	0
29	0	27	19	5	0
30	38	28	28	5	0
31	.....	19	30	.....	0
Mean	33	30	18	14	1
Max.	47	47	44	30	7
Min.	0	0	0	5	0
A. F.	1319	1868	1144	887	69

Area reported, 2,253 acres
Water used, 5,287 A. F.
Per acre, 2.34 A. F.

CHIMNEY ROCK CANAL
Diverted from North Platte River

June	July	Aug.	Sept.
0	83	50	11
0	96	48	11
0	83	33	11
0	88	44	11
0	68	52	11
0	62	38	11
0	79	45	11
0	96	22	11
0	88	22	11
0	90	16	11
0	52	16	11
0	65	14	11
0	68	14	11
0	58	16	11
0	58	14	11
0	58	14	0
0	62	14	0
0	62	15	0
0	58	16	0
0	56	14	0
0	52	13	0
20	52	13	0
30	44	10	0
40	44	15	0
66	42	33	0
80	44	16	0
98	42	10	0
98	40	16	0
62	33	10	0
92	35	10	0
.....	46	10	.....
19	60	21	5
98	96	52	11
0	33	10	0
1162	3697	1335	327

Area reported, 5,614 acres
Water used, 6,521 A. F.
Per acre, 1.16 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

CODY-DILLON CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	.....	.....	0	20	8
2	.....	.....	0	19	8
3	.....	.....	0	19	8
4	.....	.....	0	19	8
5	.....	.....	0	20	8
6	.....	.....	12	20	8
7	.....	.....	12	19	8
8	.....	.....	12	15	8
9	.....	.....	12	15	8
10	.....	.....	8	17	8
11	.....	.....	8	17	10
12	.....	.....	19	25	10
13	.....	.....	17	35	10
14	.....	.....	19	45	10
15	.....	.....	19	55	10
16	.....	.....	25	37	12
17	.....	.....	21	20	12
18	.....	.....	25	15	12
19	.....	.....	25	8	12
20	.....	.....	25	6	12
21	.....	.....	17	8	12
22	.....	.....	17	8	12
23	.....	.....	17	8	12
24	.....	.....	17	8	12
25	.....	.....	17	8	12
26	.....	.....	17	8	0
27	.....	.....	17	8	0
28	.....	.....	17	8	0
29	.....	.....	19	8	0
30	.....	.....	20	8	0
31	.....	.....	21	8	.....
Mean	.....	.....	15	17	8
Max.	.....	.....	25	55	12
Min.	.....	.....	0	8	0
A. F.	.....	.....	902	1059	496

Area reported, 4,774 acres
Water used, 2,457 A. F.
Per acre, 0.52 A. F.

COURT HOUSE ROCK CANAL
Diverted from Pumpkinseed Creek

Apr.	May	June	July	Aug.	Sept.
0	18	14	25	14	8
0	18	14	25	14	8
0	18	14	30	13	8
0	14	14	30	13	8
0	11	14	30	13	8
0	7	16	35	13	8
0	4	16	35	13	8
0	3	16	35	13	8
0	3	16	35	13	8
0	7	16	35	13	8
0	14	18	35	18	0
0	14	18	37	18	0
0	14	18	39	18	0
0	16	18	39	18	0
0	16	18	39	18	0
0	16	20	32	22	0
21	16	22	32	22	0
21	16	22	32	22	0
21	16	23	32	22	0
21	16	20	32	22	0
21	16	19	25	25	0
20	16	19	25	25	0
20	14	19	25	25	0
20	14	20	22	25	0
18	14	20	19	25	0
18	14	20	19	25	0
18	14	22	16	25	0
18	14	23	14	25	0
26	14	23	16	25	0
21	14	25	15	25	0
.....	14	.....	14	25	.....
9	13	18	28	19	3
21	18	25	39	25	8
0	3	14	14	15	0
563	823	1105	1733	1204	159

Area reported, 1,502 acres
Water used, 5,587 A. F.
Per acre, 3.70 A. F.

COZAD CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	.....	0	78	170	13	12
2	.....	0	28	156	13	11
3	.....	0	26	72	18	12
4	.....	0	24	16	24	13
5	.....	0	37	15	22	12
6	.....	0	80	15	20	11
7	.....	0	80	15	16	10
8	.....	0	74	15	16	9
9	.....	0	32	15	15	8
10	.....	0	16	56	14	8
11	.....	0	22	180	13	16
12	.....	0	15	196	13	36
13	.....	0	15	186	11	0
14	.....	0	10	39	15	0
15	.....	0	7	15	24	0
16	.....	0	40	15	30	0
17	.....	0	37	15	35	0
18	.....	0	8	0	30	0
19	.....	0	12	0	26	0
20	.....	0	54	0	24	0
21	.....	0	74	0	21	0
22	.....	0	44	0	23	0
23	.....	0	42	0	18	0
24	.....	0	102	0	10	0
25	.....	10	170	0	16	0
26	.....	26	134	0	26	0
27	.....	26	88	0	28	0
28	.....	26	40	0	27	0
29	.....	24	113	0	19	0
30	.....	84	148	12	12	0
31	.....	.....	174	15	.....	0
Mean	.....	6	59	39	19	5
Max.	.....	84	174	196	35	36
Min.	.....	0	7	0	10	0
A.F.	.....	389	3618	2416	1174	313

Area reported, 20,230 acres
Water used, 7,910 A. F.
Per acre, 0.39 A. F.

DAWSON COUNTY CANAL
Diverted from Platte River

June	July	Aug.	Sept.	Oct.
.....	0	260	115	170
.....	0	285	200	100
.....	0	385	190	75
.....	0	310	270	90
.....	0	320	310	150
.....	0	285	310	140
.....	0	415	180	120
.....	12	480	135	120
.....	16	450	130	100
.....	20	500	120	100
.....	15	380	110	155
.....	15	320	100	285
.....	15	385	95	80
.....	12	320	155	40
.....	15	225	120	20
.....	0	180	130	0
.....	25	200	155	0
.....	55	260	120	0
.....	85	260	110	0
.....	90	250	100	0
.....	80	200	90	0
.....	145	155	75	0
.....	180	155	90	0
.....	225	145	60	0
.....	250	225	60	0
.....	385	200	75	0
.....	385	160	85	0
.....	430	110	90	0
.....	225	110	100	0
.....	210	85	95	0
.....	260	60	.....	0
.....	101	260	132	56
.....	430	500	310	285
.....	0	60	60	0
.....	6248	16017	7884	3461

Area reported, 63,510 acres
Water used, 33,610 A. F.
Per acre, 0.53 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

ENTERPRISE CANAL
Diverted from Wet Spotted Tail Creek

Date	May	June	July	Aug.	Sept.
1	0	7	10	18	16
2	0	7	10	18	16
3	0	7	10	18	16
4	0	7	10	18	16
5	0	7	10	18	16
6	0	7	10	18	16
7	0	7	10	18	16
8	0	7	10	18	16
9	0	7	10	18	16
10	0	7	10	18	16
11	9	7	16	18	16
12	9	7	16	18	16
13	9	7	16	18	16
14	9	7	16	18	16
15	9	7	16	18	16
16	9	7	16	18	16
17	9	7	16	18	16
18	9	7	16	18	16
19	9	7	16	18	16
20	9	7	16	18	16
21	9	10	21	18	29
22	9	10	21	18	29
23	9	10	21	18	29
24	9	10	21	18	29
25	9	10	21	18	29
26	9	10	21	18	29
27	9	10	21	18	29
28	9	10	21	18	29
29	9	10	21	18	29
30	9	10	21	18	29
31	9	.....	21	18	.....
Mean	6	8	16	18	20
Max.	9	10	21	18	29
Min.	0	7	10	18	16
A. F.	375	476	974	1107	1210

Water used, 4,141 A. F.

ENTERPRISE CANAL
Diverted from Tub Springs

Date	May	June	July	Aug.	Sept.
1	0	0	34	58	0
2	0	0	34	58	0
3	0	0	34	58	0
4	0	0	34	58	0
5	0	0	34	58	0
6	0	0	34	59	0
7	0	0	34	62	0
8	0	0	34	0	0
9	0	0	34	0	0
10	0	0	34	55	0
11	24	5	30	55	0
12	24	5	30	57	0
13	24	5	30	57	0
14	24	5	30	0	0
15	24	5	30	0	0
16	24	5	30	0	0
17	24	5	30	0	0
18	24	5	30	0	0
19	24	5	30	0	0
20	24	5	30	40	0
21	24	44	30	41	0
22	24	44	0	42	0
23	24	44	30	42	0
24	24	44	30	46	0
25	24	44	30	50	0
26	24	44	30	57	0
27	24	44	30	35	0
28	24	44	30	20	0
29	24	44	30	22	0
30	24	44	55	20	0
31	24	.....	55	20	.....
Mean	16	16	32	34	0
Max.	24	44	55	62	0
Min.	0	0	0	0	0
A. F.	1000	972	1964	2122	.....

Water used, 6,058 A. F.

ENTERPRISE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	30	57	46	18
2	0	41	57	50	24
3	0	41	57	46	30
4	0	40	57	50	18
5	0	36	57	51	13
6	0	36	68	57	13
7	0	41	68	66	13
8	0	50	57	66	13
9	13	41	57	56	13
10	13	46	56	56	13
11	41	36	54	57	8
12	13	0	54	57	8
13	13	5	56	56	8
14	13	18	57	59	8
15	18	30	56	47	8
16	13	41	50	36	8
17	13	55	57	36	8
18	13	46	46	36	8
19	18	57	38	30	8
20	24	60	41	29	8
21	24	57	57	29	8
22	24	57	56	29	8
23	30	57	30	29	8
24	24	57	38	29	8
25	24	57	41	18	8
26	30	55	57	36	8
27	30	57	56	36	8
28	24	57	30	57	8
29	30	57	50	57	8
30	30	57	49	45	8
31	18	.....	48	32	.....
Mean	16	43	52	45	10
Max.	41	60	68	66	24
Min.	0	0	30	18	8
A. F.	978	2614	3197	2767	651

Area reported, 6,802 acres
Water used—net, 17,562 A. F.
Per acre, 2.58 A. F.

ENTERPRISE CANAL TAIL WASTE

May	June	July	Aug.	Sept.
0	15	10	26	.....
0	15	10	26	.....
0	15	10	9	.....
0	15	10	26	.....
0	15	10	26	.....
0	15	10	26	.....
0	15	10	26	.....
0	12	10	26	.....
0	12	10	27	.....
0	12	10	26	.....
0	12	15	26	.....
0	12	15	26	.....
0	12	15	26	.....
0	12	26	26	.....
0	12	26	26	.....
0	10	26	26	.....
0	10	26	26	.....
0	10	27	26	.....
0	10	26	26	.....
0	10	26	26	.....
10	10	27	26	.....
10	10	26	26	.....
10	10	26	26	.....
10	10	27	26	.....
10	10	27	26	.....
10	10	27	26	.....
10	10	26	26	.....
10	10	27	26	.....
10	10	27	26	.....
10	10	27	26	.....
10	.....	27	26	.....
10	11	20	25	.....
10	15	27	27	.....
0	10	10	9	.....
416	696	1234	1567	.....

Water used, 3,913 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

ENTERPRISE CANAL
Diverted from Stewart and Morrill Drains

Date	May	June	July	Aug.	Sept.
1	0	0.5	2	3	9
2	0	.5	2	3	9
3	0	.5	2	3	9
4	0	.5	2	3	9
5	0	.5	2	3	9
6	0	.5	2	3	9
7	0	.5	2	3	9
8	0	.5	2	3	9
9	0	.5	2	3	9
10	0	.5	2	3	9
11	1	.5	2	9	5
12	1	.5	2	9	5
13	1	.5	2	9	5
14	1	.5	2	9	5
15	1	.5	2	9	5
16	2	.5	3	9	5
17	2	.5	3	9	5
18	2	.5	3	9	5
19	2	.5	3	9	5
20	2	.5	3	9	5
21	2	.5	3	9	5
22	2	.5	3	9	5
23	2	.5	3	9	5
24	2	.5	3	9	5
25	2	.5	3	9	5
26	2	.5	3	9	5
27	2	.5	3	9	5
28	2	.5	3	9	5
29	2	.5	3	9	5
30	2	.5	3	9	5
31	2	.....	2	9	——
Mean	1	0.5	2	7	6
Max.	2	.5	3	9	9
Min.	0	.5	2	3	5
A. F.	73	30	155	434	377

Water used, 1,069 A. F.

GERING CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
102	90	235	164	160
118	100	186	164	160
112	110	194	164	225
130	120	196	164	225
112	130	198	164	225
124	144	201	164	225
124	144	203	104	170
124	150	205	164	165
126	156	208	164	160
132	150	177	164	79
136	156	208	145	106
126	197	150	145	106
118	216	150	132	120
115	222	141	145	120
115	222	145	170	130
112	220	146	144	120
112	226	150	126	130
112	233	148	122	130
112	234	150	108	130
112	234	138	107	130
88	234	150	107	100
88	234	147	107	100
88	234	147	105	100
88	234	149	108	100
88	234	141	92	100
88	234	140	138	50
88	234	142	206	50
88	233	141	150	50
88	234	145	134	50
88	234	152	145	50
88	.....	112	152	——
105	193	160	141	125
136	234	235	206	225
88	90	112	92	50
6629	11490	10191	8783	7470

Area reported, 14,239 acres
Water used, 44,563 A. F.
Per acre, 3.13 A. F.

GERING CANAL—At Bad Lands

Date	May	June	July	Aug.	Sept.
1	100	135	201	170	115
2	100	144	184	155	123
3	100	168	190	166	125
4	100	165	196	160	127
5	100	154	200	154	129
6	150	154	202	160	121
7	150	154	199	162	133
8	150	170	196	180	135
9	170	170	202	170	143
10	172	174	193	162	151
11	176	179	204	148	160
12	168	150	185	155	159
13	164	112	192	157	158
14	162	184	176	160	157
15	162	190	160	160	155
16	145	228	170	147	154
17	142	184	187	133	153
18	126	176	182	119	152
19	126	192	192	116	151
20	122	179	184	120	150
21	122	190	177	127	148
22	150	192	169	129	148
23	156	190	170	130	148
24	162	184	170	127	148
25	159	192	175	124	100
26	168	192	173	125	60
27	168	190	164	126	60
28	176	192	155	117	60
29	179	196	154	108	50
30	154	196	166	99	25
31	154	.....	169	107	—.....
Mean	146	176	181	141	127
Max.	179	228	204	180	160
Min.	100	135	154	99	25
A.F.	8991	10464	11181	8674	7553

Area reported, 14,239 acres
Water used, 46,863 A. F.
Per acre, 3.29 A. F.
†Estimated

GOTHENBURG IRRIGATION CANAL
Diverted from Platte River

May	June	July	Aug.	Sept.	Oct.
0	0	0	170	62	28
0	0	0	170	28	28
0	0	0	158	51	28
0	0	0	158	25	28
0	0	0	115	0	28
0	0	0	110	0	28
0	0	43	125	0	28
0	0	68	125	0	28
0	0	97	170	0	28
0	0	125	195	0	28
0	0	130	165	25	30
0	0	76	105	25	30
0	0	75	105	25	30
0	0	73	72	25	30
0	0	80	53	25	30
0	0	89	53	17	30
0	0	80	65	17	30
0	0	80	80	17	30
0	0	80	72	17	30
0	0	80	47	17	30
0	0	90	17	17	34
0	0	89	17	17	34
0	0	19	69	17	34
0	0	80	85	17	34
0	0	106	97	17	34
0	0	140	76	17	34
0	0	158	65	17	34
0	0	170	65	17	34
0	0	170	70	17	34
0	0	200	70	17	34
0	——	181	70	.....	34
0	0	83	104	†18	†31
0	0	200	195	62	34
0	0	0	17	0	28
0	0	5115	6375	1083	1892

Area reported, 24,255 acres
Wasted to Kearney Canal, 1,553 A. F.
Water used, 12,912 A. F.
Per acre, 1.88 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

GOTHENBURG CANAL WASTE
Into Buffalo Creek

Date	May	June	July	Aug.	Sept.
1	0	0	0	18	0
2	0	0	0	15	0
3	0	0	0	15	0
4	0	0	0	15	0
5	0	0	0	17	0
6	0	0	0	15	0
7	0	0	0	7	0
8	0	0	0	25	0
9	0	0	0	34	0
10	0	0	0	34	0
11	0	0	0	32	0
12	0	0	0	32	0
13	0	0	0	30	0
14	0	0	0	30	0
15	0	0	0	28	0
16	0	0	5	28	0
17	0	0	5	28	0
18	0	0	5	28	0
19	0	0	5	20	0
20	0	0	5	18	0
21	0	0	4	13	0
22	0	0	4	13	0
23	0	0	4	13	0
24	0	0	22	13	0
25	0	0	22	13	0
26	0	0	4	13	0
27	0	0	6	13	0
28	0	0	15	13	0
29	0	0	25	13	0
30	0	0	22	13	0
31	0	.....	18	13	.....
Mean	0	0	11	20	0
Max.	0	0	25	34	0
Min.	0	0	4	7	0
A. F.	0	0	339	1214	0

Water used, 1,553 A. F.

GRAF CANAL
Diverted from Blue Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	19	24	0	0
2	0	0	19	21	0	0
3	0	0	19	17	0	0
4	0	0	19	17	0	0
5	0	0	19	17	0	0
6	0	0	19	17	0	0
7	0	0	19	17	0	0
8	0	0	19	17	0	0
9	0	0	19	25	0	0
10	0	0	19	25	0	0
11	0	0	24	21	17	0
12	0	0	24	21	17	0
13	0	0	24	30	17	0
14	0	0	24	30	17	0
15	0	0	24	34	17	0
16	0	0	24	30	17	0
17	0	0	24	15	17	0
18	0	0	24	1	17	0
19	0	0	24	17	17	0
20	0	0	24	20	17	0
21	0	0	22	25	17	0
22	0	0	22	21	17	0
23	0	0	22	10	17	0
24	0	0	22	0	17	0
25	0	0	30	0	17	0
26	0	0	30	0	17	0
27	0	0	24	0	17	0
28	0	0	20	0	17	0
29	0	0	16	0	17	0
30	0	0	8	0	17	0
31	0	.....	4	0	.....	0
Mean	0	0	†21	15	†17	0
Max.	0	0	30	34	17	0
Min.	0	0	4	0	0	0
A. F.	0	0	1289	936	674	0

Area reported, 2,190 acres
Water used, 2,899 A. F.
Per acre, 1.32 A. F.

GOTHENBURG DIVERSION CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.	Nov.
1	96	156	130	310	144	180	166
2	96	156	130	328	158	186	150
3	96	156	130	298	138	172	166
4	96	156	130	290	138	180	158
5	96	156	130	180	120	158	158
6	96	156	112	242	108	180	158
7	96	156	112	218	126	186	144
8	96	156	112	144	132	180	150
9	96	156	112	180	144	186	132
10	96	156	100	234	158	186	132
11	96	152	84	260	166	165	138
12	96	152	66	275	166	144	150
13	96	152	92	275	112	172	126
14	96	152	118	150	126	194	120
15	96	152	126	194	150	186	144
16	109	152	144	172	166	180	138
17	109	152	138	186	166	180	132
18	109	152	180	180	172	158	132
19	109	152	260	194	172	172	144
20	109	152	250	132	166	172	102
21	109	149	242	158	150	180	84
22	109	149	242	132	158	172	138
23	109	149	242	132	180	172	140
24	109	149	234	132	180	166	150
25	109	149	234	150	172	173	172
26	109	149	275	150	172	180	180
27	109	149	250	150	180	166	150
28	109	149	304	158	150	166	126
29	109	149	354	138	166	172	144
30	109	149	328	112	180	166	180
31	109	.....	328	112	.....	158	.....
Mean	†103	†152	184	192	153	174	143
Max.	109	156	354	328	180	194	180
Min.	96	149	66	112	108	144	84
A. F.	6315	9064	11284	11833	9156	10687	8537

†Estimated

HOLLINGSWORTH CANAL
Diverted from South Platte River

Date	July	Aug.	Sept.
1	8	8	0
2	8	8	0
3	8	8	0
4	8	7	0
5	8	7	0
6	8	6	5
7	8	6	5
8	8	6	5
9	8	6	5
10	8	6	5
11	7	8	5
12	7	8	5
13	7	8	5
14	7	8	5
15	7	8	5
16	7	6	8
17	7	6	8
18	7	6	8
19	7	6	8
20	7	6	8
21	7	4	11
22	7	4	11
23	7	4	11
24	6	4	11
25	6	4	11
26	5	0	11
27	5	0	11
28	5	0	11
29	5	0	11
30	5	0	11
31	5	0	.....
Mean	7	5	7
Max.	8	8	11
Min.	5	0	0
A. F.	422	337	397

Area reported, 354 acres
Water used, 1,156 A. F.
Per acre, 3.25 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

KEARNEY CANAL

Diverted from Platte River

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	375	115	250	195	470	420	235	20	305
2	375	135	250	220	420	430	215	5	310
3	375	160	250	235	410	780	185	5	315
4	375	185	250	275	420	930	180	27	320
5	375	205	250	295	420	400	180	20	290
6	300	205	265	320	380	205	160	0	265
7	230	205	265	330	380	150	140	5	280
8	160	205	230	330	380	105	115	32	305
9	85	205	200	330	380	105	85	0	305
10	85	205	140	340	380	105	65	5	305
11	85	250	140	355	390	150	45	10	315
12	85	300	140	355	400	215	35	20	325
13	85	350	140	340	400	215	35	35	335
14	85	400	140	420	400	235	35	60	340
15	85	450	140	500	367	250	35	87	345
16	105	495	160	580	380	265	30	35	350
17	105	495	180	565	367	275	25	225	350
18	105	495	200	590	380	295	20	355	350
19	105	460	230	580	430	420	15	0	350
20	105	430	230	450	505	380	15	15	350
21	115	400	230	430	380	420	15	35	350
22	115	370	230	400	340	395	15	55	350
23	115	340	230	367	395	330	15	60	350
24	115	300	230	380	410	320	15	305	350
25	115	250	230	410	395	310	15	290	350
26	115	250	200	420	380	300	40	285	330
27	115	250	200	390	420	290	35	275	330
28	115	250	200	410	430	275	15	265	330
29	115	.....	200	430	450	265	20	305	330
30	115	.....	200	470	450	255	20	305	330
31	115	.....	200	.....	450	.....	45	305	.....
Mean	160	300	206	390	405	316	68	111	327
Max.	375	495	265	590	505	930	235	355	345
Min.	85	115	140	195	367	105	15	0	265
A. F.	9818	16582	12694	23321	24911	18823	4165	6835	19458

Water used, 136,607 A. F.

KEITH-LINCOLN COUNTY CANAL

Diverted from North Platte River

Date	Apr.	May	June	July	Aug.	Sept.
1	0	53	58	70	70	70
2	0	44	60	66	84	70
3	0	34	60	66	84	70
4	0	34	63	80	84	70
5	0	34	66	76	94	70
6	0	34	53	84	94	70
7	0	30	53	90	90	70
8	0	34	50	94	90	70
9	0	38	50	90	98	70
10	0	44	53	84	108	70
11	0	30	58	62	116	70
12	0	30	44	76	112	70
13	0	40	30	84	102	70
14	0	40	38	84	90	70
15	0	38	34	76	112	70
16	0	40	34	84	70	70
17	0	53	40	80	84	70
18	0	58	62	80	84	70
19	0	50	66	90	84	70
20	26	44	34	80	84	70
21	26	40	44	76	76	70
22	30	40	44	80	76	70
23	34	44	62	84	76	70
24	34	40	62	90	76	70
25	50	38	40	90	76	70
26	53	34	38	90	76	70
27	40	38	34	84	76	70
28	38	38	58	90	76	70
29	38	38	76	102	76	70
30	40	34	76	98	76	70
31	.....	50	.....	80	76	.....
Mean	37	40	51	83	86	†70
Max.	53	58	76	102	112	70
Min.	0	30	30	62	70	70
A. F.	811	2452	3054	5078	5296	4165

Area reported, 6,318 acres
Water used, 20,856 A. F.
Per acre, 3.31 A. F.
†Estimated

LISCO CANAL

Diverted from North Platte River

	June	July	Aug.	Sept.	Oct.
1	0	27	39	17	8
2	0	27	40	22	14
3	0	40	29	34	17
4	0	86	26	34	10
5	0	78	26	32	0
6	0	76	26	29	0
7	8	95	26	29	0
8	8	78	26	36	0
9	8	22	26	39	0
10	8	28	26	44	0
11	12	34	26	34	0
12	12	22	26	34	0
13	27	34	34	39	0
14	27	27	27	34	0
15	27	27	27	0	0
16	27	22	34	34	0
17	27	17	34	40	0
18	27	17	27	40	0
19	27	17	34	34	0
20	34	22	34	47	0
21	70	22	27	47	0
22	78	22	30	47	0
23	70	22	34	47	0
24	70	47	34	44	0
25	54	47	22	40	0
26	62	40	22	12	0
27	54	40	22	12	0
28	47	34	22	10	0
29	27	34	22	8	0
30	34	37	20	4	0
31	.....	41	16	.....	0
Mean	35	38	28	31	12
Max.	78	95	40	47	17
Min.	0	17	16	0	0
A. F.	1676	2344	1714	1831	97

Area reported, 2,111 acres
Water used, 7,662 A. F.
Per acre, 3.62 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

LYONS CANAL
Diverted from North Platte River

Date	June	July	Aug.	Sept.	Oct.
1	.....	2	0	0	.....
2	.....	2	0	0	.....
3	.....	2	3	0	.....
4	.....	2	0	0	.....
5	.....	2	0	0	.....
6	.....	2	0	0	.....
7	.....	2	0	0	.....
8	.....	2	2	0	.....
9	.....	2	9	0	.....
10	.....	2	2	0	.....
11	.....	0	2	0	.....
12	.....	0	2	0	.....
13	.....	1	2	0	.....
14	.....	1	0	0	.....
15	.....	0	0	0	.....
16	.....	0	0	4	.....
17	.....	0	0	4	.....
18	.....	0	0	7	.....
19	.....	0	0	9	.....
20	.....	0	0	9	.....
21	.....	0	0	9	.....
22	.....	0	0	8	.....
23	.....	0	0	8	.....
24	.....	12	0	7	.....
25	.....	0	0	0	.....
26	.....	5	0	0	.....
27	.....	7	0	0	.....
28	.....	8	0	0	.....
29	.....	8	0	0	.....
30	.....	9	0	0	.....
31	.....	8	0	.....	.....
Mean	.....	2	1	7	.....
Max.	.....	9	9	9	.....
Min.	.....	0	0	0	.....
A. F.	.....	157	44	129	.....

Area reported, 2,270 acres
Water used, 330 A. F.
Per acre, 0.14 A. F.

MEEKER CANAL
Diverted from Republican River

May	June	July	Aug.	Sept.	Oct.
23	24	30	28	27	13
13	21	35	27	25	13
8	17	38	28	23	16
15	11	40	30	10	15
27	10	42	38	15	11
26	6	38	40	17	4
25	6	40	38	17	10
30	6	35	18	18	15
28	5	30	5	16	13
28	6	27	16	16	13
22	9	27	32	18	13
22	8	30	35	17	8
27	5	17	42	17	5
27	5	35	32	16	15
30	6	49	32	17	13
27	18	52	30	17	9
18	18	52	30	16	5
4	21	52	32	15	5
10	27	52	32	13	8
15	17	52	28	12	15
15	18	10	28	11	15
12	17	21	27	10	15
16	27	27	25	9	13
18	23	20	27	13	11
18	27	27	21	7	10
17	34	27	18	10	8
16	35	23	18	15	7
17	35	23	21	15	3
17	27	25	27	15	3
17	30	32	30	15	3
16	.....	30	30	.....	3
19	18	33	28	15	10
30	35	52	42	27	16
4	5	10	5	7	3
1198	1089	2059	1716	916	615

Area reported, 2,935 acres
Water used, 7,593 A. F.
Per acre, 2.58 A. F.

MIDLAND OVERLAND CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	.....	.....	19	0	4
2	.....	.....	19	0	4
3	.....	.....	19	4	4
4	.....	.....	19	4	4
5	.....	.....	19	4	4
6	.....	.....	19	9	4
7	.....	.....	19	9	4
8	.....	.....	19	9	4
9	.....	.....	19	9	4
10	.....	.....	19	9	4
11	.....	.....	5	9	6
12	.....	.....	5	9	6
13	.....	.....	7	9	6
14	.....	.....	9	9	6
15	.....	.....	10	9	6
16	.....	.....	10	7	6
17	.....	.....	10	7	6
18	.....	.....	10	7	6
19	.....	.....	10	7	6
20	.....	.....	10	7	6
21	.....	.....	6	7	8
22	.....	.....	6	7	8
23	.....	.....	6	7	8
24	.....	.....	0	7	10
25	.....	.....	0	7	10
26	.....	.....	0	0	10
27	.....	.....	0	0	10
28	.....	.....	0	0	10
29	.....	.....	0	0	10
30	.....	.....	0	0	10
31	.....	.....	0	0	.....
Mean	.....	.....	13	7	7
Max.	.....	.....	19	9	10
Min.	.....	.....	5	4	4
A. F.	.....	.....	583	341	409

Area reported, 1,104 acres
Water used, 1,333 A. F.
Per acre, 1.20 A. F.

MINATARE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
.....	0	86	92	50
.....	0	92	78	50
.....	0	92	65	50
.....	0	84	75	50
.....	0	80	72	50
.....	0	80	74	50
.....	0	86	68	50
.....	0	100	38	50
.....	0	113	43	50
.....	0	108	48	50
.....	0	116	45	60
.....	0	92	45	60
.....	0	72	45	60
.....	0	74	45	60
.....	0	72	45	60
.....	20	64	45	40
.....	20	78	36	40
.....	40	73	36	40
.....	40	78	36	40
.....	60	92	34	40
.....	84	92	21	20
.....	80	88	8	20
.....	78	86	8	20
.....	80	72	26	20
.....	80	78	24	20
.....	84	78	24	10
.....	98	86	37	10
.....	108	56	50	10
.....	108	52	50	10
.....	96	62	50	10
.....	.....	65	50	.....
.....	71	82	45	40
.....	108	113	92	60
.....	20	52	8	10
.....	2134	5052	2803	2410

Area reported, 9,773 acres
Water used, 12,399 A. F.
Per acre, 1.27 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

MITCHELL CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	60	102	224	190	116
2	60	112	220	196	116
3	64	128	214	190	116
4	62	128	214	192	112
5	60	118	214	192	112
6	62	110	224	192	112
7	58	110	230	189	204
8	60	110	230	180	129
9	62	124	230	172	127
10	58	129	230	164	160
11	58	134	227	160	140
12	60	134	235	158	102
13	62	148	220	158	102
14	64	232	204	152	102
15	74	188	205	100	106
16	0	174	206	92	102
17	0	178	205	128	102
18	0	208	205	128	102
19	0	240	206	128	102
20	0	242	205	128	112
21	0	249	205	128	116
22	0	262	195	128	118
23	22	250	205	128	113
24	90	246	205	128	158
25	84	230	204	129	140
26	96	235	190	145	126
27	106	235	190	152	144
28	110	235	204	112	146
29	112	240	206	127	146
30	112	230	196	96	146
31	112	.....	200	118	.....
Mean	57	182	210	148	124
Max.	112	262	235	196	204
Min.	0	102	190	92	102
A.F.	3507	10832	12986	9084	7396

Area reported, 13,687 acres
Water used, 43,805 A. F.
Per acre, 3.04 A. F.

NINE MILE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
.....	.....	56	11	51
.....	.....	59	13	51
.....	.....	63	13	51
.....	.....	66	11	51
.....	.....	63	12	51
.....	.....	56	13	25
.....	.....	56	16	25
.....	.....	66	20	25
.....	.....	73	25	25
.....	.....	66	30	25
.....	.....	19	31	10
.....	.....	59	33	10
.....	.....	93	35	10
.....	**0	91	36	10
.....	0	94	46	10
.....	49	98	56	0
.....	54	81	66	0
.....	59	76	62	0
.....	63	71	57	0
.....	76	80	56	0
.....	78	82	56	0
.....	68	85	56	0
.....	68	80	54	0
.....	68	71	52	0
.....	68	66	50	0
.....	68	56	42	0
.....	66	56	42	0
.....	63	56	43	0
.....	56	50	43	0
.....	51	51	43	0
.....	.....	12	43	.....
.....	63	66	38	28
.....	78	98	66	51
.....	49	12	11	10
.....	1894	4070	2313	853

Area reported, 7,000 acres
Water used, 9,130 A. F.
Per acre, 1.30 A. F.

NORTH PLATTE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	94	124	214	184
2	0	90	102	214	230
3	0	89	94	214	262
4	0	88	110	208	273
5	0	86	120	204	258
6	0	91	133	194	252
7	0	96	146	184	258
8	0	101	162	184	246
9	0	106	140	178	124
10	0	110	150	184	124
11	0	116	184	188	124
12	0	116	166	200	116
13	0	116	80	196	116
14	0	120	166	196	106
15	0	124	236	196	120
16	0	106	215	196	135
17	0	86	194	258	133
18	0	82	178	246	130
19	0	72	188	236	128
20	0	120	184	258	126
21	0	124	140	258	122
22	0	124	82	252	122
23	0	98	208	258	122
24	0	124	200	278	122
25	0	135	188	250	122
26	0	166	208	222	120
27	0	156	226	194	115
28	0	116	220	200	110
29	86	110	220	208	105
30	90	138	230	220	105
31	106	.....	208	214	.....
Mean	9	110	168	216	152
Max.	106	166	236	278	273
Min.	0	72	80	178	105
A. F.	559	6545	10318	13293	9144

Area reported, 14,084 acres
Water used, 39,859 A. F.
Per acre, 2.83 A. F.
**Canal opened

NORTHPORT CANAL
Diverted from North Platte River and Drains

May	June	July	Aug.	Sept
0	52	240	215	181
0	51	248	221	185
0	52	247	233	183
0	60	247	245	182
0	64	247	245	184
0	58	244	243	181
0	54	241	246	182
0	55	240	251	176
0	57	231	255	190
0	60	230	255	200
0	59	225	255	197
0	57	220	247	197
34	78	225	203	204
48	103	225	177	206
48	110	217	151	212
48	121	210	148	212
20	109	218	128	207
0	139	216	113	210
0	129	207	111	200
0	16	175	110	195
0	79	171	107	203
0	149	180	106	205
0	207	174	103	199
0	186	153	103	190
0	201	157	99	193
30	228	163	103	201
48	237	171	123	197
48	230	200	135	205
55	219	205	153	188
56	228	211	173	134
55	.....	217	185	.....
16	114	210	175	193
56	237	248	255	212
0	16	153	99	134
971	6839	13000	10794	11504

Area reported, 12,110 acres
Water used, 43,108 A. F.
Per acre, 3.55 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

NORTH RIVER CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	.....	8	54	37	15
2	.....	8	69	42	15
3	.....	8	62	37	15
4	.....	8	54	16	15
5	.....	8	47	16	15
6	.....	22	44	25	17
7	.....	34	44	25	47
8	.....	34	44	16	40
9	.....	34	40	16	46
10	.....	34	41	16	46
11	.....	34	49	16	46
12	.....	34	49	16	46
13	.....	28	49	54	46
14	.....	17	49	54	46
15	.....	2	49	54	46
16	.....	0	0	54	0
17	.....	28	0	133	0
18	.....	34	0	47	0
19	.....	28	0	54	0
20	.....	28	0	54	0
21	.....	40	0	54	0
22	.....	54	0	54	0
23	.....	40	0	47	0
24	.....	27	0	43	0
25	.....	27	48	38	0
26	.....	27	48	34	0
27	.....	27	47	22	0
28	.....	27	45	34	0
29	.....	22	43	15	0
30	.....	27	44	15	0
31	.....	.....	42	15	.....
Mean	.....	24	34	37	17
Max.	.....	54	69	133	47
Min.	.....	0	0	15	0
A.F.	.....	1485	2104	2287	994

Area reported, 4,162 acres
Water used, 6,870 A. F.
Per acre, 1.65 A. F.

ORCHARD-ALFALFA CANAL
Diverted from Platte River

May	June	July	Aug.	Sept.	Oct.
.....	.....	30	72	36	24
.....	.....	26	72	36	24
.....	.....	24	72	36	24
.....	.....	22	72	36	24
.....	.....	20	72	36	24
.....	.....	18	69	36	24
.....	.....	15	66	36	24
.....	.....	0	61	36	24
.....	.....	0	58	36	24
.....	.....	0	68	36	24
.....	.....	0	72	36	.....
.....	.....	0	76	36	.....
.....	.....	0	77	36	.....
.....	.....	0	75	36	.....
.....	.....	0	77	36	.....
.....	.....	0	75	36	.....
.....	.....	0	66	36	.....
.....	.....	0	63	36	.....
.....	.....	0	65	36	.....
.....	.....	0	61	36	.....
.....	.....	0	58	36	.....
.....	.....	0	58	36	.....
.....	.....	0	62	36	.....
.....	.....	7	55	36	.....
.....	.....	14	58	36	.....
.....	.....	34	50	36	.....
.....	.....	63	51	36	.....
.....	.....	65	52	36	.....
.....	.....	68	55	36	.....
.....	.....	63	52	36	.....
.....	.....	69	52	.....	.....
.....	.....	17	64	†36	24
.....	.....	69	77	36	24
.....	.....	0	51	36	24
.....	.....	1067	3951	2142	476

Area reported, 8,055 acres
Water used, 7,636 A. F.
Per acre, 0.95 A. F.

OSHKOSH CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	.....	.....	6	22	6
2	.....	.....	10	26	5
3	.....	.....	9	34	5
4	.....	.....	4	36	4
5	.....	.....	10	34	5
6	.....	.....	12	38	9
7	.....	.....	14	41	8
8	.....	.....	12	41	6
9	.....	.....	17	41	6
10	.....	.....	17	44	12
11	.....	.....	14	46	20
12	.....	.....	14	44	10
13	.....	.....	14	44	12
14	.....	.....	14	34	8
15	.....	.....	12	14	6
16	.....	.....	0	10	5
17	.....	.....	0	24	4
18	.....	.....	0	9	4
19	.....	.....	0	9	4
20	.....	.....	0	8	4
21	.....	.....	0	8	5
22	.....	.....	0	8	8
23	.....	.....	1	8	8
24	.....	.....	12	8	8
25	.....	.....	17	9	9
26	.....	.....	20	9	6
27	.....	.....	22	9	2
28	.....	.....	24	9	1
29	.....	.....	24	8	0
30	.....	.....	24	6	0
31	.....	.....	22	7	.....
Mean	.....	.....	11	22	6
Max.	.....	.....	24	46	20
Min.	.....	.....	0	6	0
A.F.	.....	.....	684	1364	377

Area reported, 2,860 acres
Water used, 2,425 A. F.
Per acre, 0.85 A. F.
†Estimated.

PAXTON-HERSHEY CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
0	30	58	102	54	54
0	47	42	100	54	54
0	43	30	92	56	42
0	42	54	92	56	42
0	44	36	102	54	42
38	47	4	102	52	40
34	42	12	102	50	.....
28	30	4	105	44	.....
42	24	10	102	42	.....
47	38	4	102	40	.....
50	42	4	102	38	.....
38	30	4	100	44	.....
30	42	58	100	47	.....
20	64	100	95	44	.....
27	28	98	98	50	.....
33	35	88	98	44	.....
38	18	92	95	40	.....
38	28	100	98	44	.....
35	64	98	100	50	.....
28	64	95	90	47	.....
30	44	98	88	40	.....
28	28	98	85	35	.....
24	35	100	85	35	.....
8	70	100	92	35	.....
6	68	98	82	40	.....
9	35	100	75	40	.....
12	42	92	78	45	.....
33	64	100	73	50	.....
35	72	105	64	56	.....
30	70	105	52	56	.....
10	.....	102	50	.....	.....
24	44	67	90	46	47
50	72	105	105	56	54
0	18	4	50	35	40
1490	2638	4143	5557	2741	543

Area reported, 7,474 acres
Water used, 17,112 A. F.
Per acre, 2.28 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

RAMSHORN CANAL
Diverted from North Platte River

Date	June	July	Aug.
1	0	17	15
2	0	17	12
3	0	17	15
4	0	17	18
5	0	17	12
6	0	15	12
7	0	10	20
8	0	0	20
9	0	0	20
10	0	0	16
11	0	0	16
12	0	0	12
13	15	0	15
14	15	0	13
15	15	0	13
16	16	6	0
17	16	8	0
18	16	10	5
19	16	10	5
20	16	11	5
21	16	10	5
22	16	7	14
23	16	10	14
24	16	7	14
25	16	7	18
26	16	4	18
27	17	4	18
28	17	0	0
29	17	13	0
30	17	13	0
31	.....	13	0
Mean	16	9	13
Max.	17	17	20
Min.	15	4	5
A. F.	575	482	684

Area reported, 2,576 acres
Water used, 1,741 A. F.
Per acre, 0.68 A. F.

RUSH CREEK CANAL
Diverted from North Platte River

June	July	Aug.
.....	0	2
.....	0	2
.....	0	2
.....	0	2
.....	0	2
.....	0	2
.....	0	2
.....	0	2
.....	0	2
.....	0	2
.....	0	1
.....	0	1
.....	0	1
.....	0	1
.....	0	1
.....	0	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	1
.....	3	2
.....	3	1
.....	89	63

Area reported, 620 acres
Water used, 152 A. F.
Per acre, 0.28 A. F.

SHERIDAN-WILSON CANAL
Diverted from North Platte River

June	July	Aug.	Sept.
.....	.....	9	9
.....	.....	7	9
.....	.....	9	9
.....	.....	11	9
.....	.....	9	9
.....	.....	8	5
.....	.....	8	5
.....	.....	8	5
.....	.....	8	5
.....	.....	15	5
.....	**4	20	5
.....	4	20	5
.....	4	20	5
.....	4	20	5
.....	4	20	5
.....	12	15	3
.....	12	15	3
.....	12	15	3
.....	12	15	3
.....	12	15	3
.....	16	9	3
.....	20	9	3
.....	20	9	3
.....	20	9	3
.....	30	9	3
.....	44	9	0
.....	30	9	0
.....	17	9	0
.....	17	9	0
.....	10	9	0
.....	9	9	.....
.....	15	12	5
.....	44	20	9
.....	4	7	3
.....	621	726	248

Area reported, 690 acres
Water used, 1,595 A. F.
Per acre, 2.30 A. F.

SHORT LINE CANAL
Diverted from North Platte River

Date	June	July	Aug.	Sept.
1	.....	24	26	20
2	.....	24	24	20
3	.....	24	24	20
4	.....	24	26	20
5	.....	24	33	20
6	.....	24	21	20
7	.....	24	8	20
8	.....	24	21	20
9	.....	24	21	20
10	.....	0	10	20
11	.....	10	12	0
12	.....	10	18	0
13	.....	13	10	0
14	.....	17	10	0
15	.....	24	10	0
16	.....	25	10	0
17	.....	27	18	0
18	.....	24	13	0
19	.....	34	18	0
20	.....	36	15	0
21	**37	32	26	0
22	37	34	18	0
23	37	34	15	0
24	37	35	15	0
25	37	35	13	0
26	37	37	13	0
27	37	34	15	0
28	37	35	26	0
29	37	34	21	0
30	37	37	21	0
31	.....	18	21	.....
Mean	37	26	18	20
Max.	37	37	33	20
Min.	37	0	8	0
A. F.	734	1589	1095	397

Area reported, 2,981 acres
Water used, 3,815 A. F.
Per acre, 1.28 A. F.

SIGNAL BLUFF CANAL
Diverted from North Platte River

July	Aug.	Sept.
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
3	2	3
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	1
4	3	.....
3	2	2
4	3	3
3	2	1
216	135	119

Area reported, 1,438 acres
Water used, 470 A. F.
Per acre, 0.33 A. F.

SIX MILE CANAL
Diverted from Platte River

June	July	Aug.
.....	.....	20
.....	.....	24
.....	.....	22
.....	.....	12
.....	.....	12
.....	.....	12
.....	.....	12
.....	.....	12
.....	.....	12
.....	.....	12
.....	.....	28
.....	.....	28
.....	.....	28
.....	.....	28
.....	.....	28
.....	.....	28
.....	.....	28
.....	.....	28
.....	.....	28
.....	.....	28
.....	**10	28
.....	20	0
.....	30	0
.....	20	0
.....	21	0
.....	23	0
.....	20	0
.....	21	0
.....	23	0
.....	26	0
.....	24	0
.....	24	22
.....	30	28
.....	10	0
.....	472	908

Area reported, 1,003 acres
Water used, 1,380 A. F.
Per acre, 1.38 A. F.

**Canal opened

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

SPOHN CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	.....	.....	.....	10	.....
2	.....	.....	.....	10	.....
3	.....	.....	.....	10	.....
4	.....	.....	.....	10	.....
5	.....	.....	.....	10	.....
6	.....	.....	.....	4	.....
7	.....	.....	.....	4	.....
8	.....	.....	.....	4	.....
9	.....	.....	.....	4	.....
10	.....	.....	.....	4	.....
11	.....	.....	.....	4	.....
12	.....	.....	.....	4	.....
13	.....	.....	.....	4	.....
14	.....	.....	.....	4	.....
15	.....	.....	.....	4	.....
16	.....	.....	.....	4	.....
17	.....	.....	.....	4	.....
18	.....	.....	.....	4	.....
19	.....	.....	.....	††	.....
20	.....	.....	.....	.....	.....
21	.....	.....	**10	.....	.....
22	.....	.....	10	.....	.....
23	.....	.....	10	.....	.....
24	.....	.....	12	.....	.....
25	.....	.....	12	.....	.....
26	.....	.....	10	.....	.....
27	.....	.....	10	.....	.....
28	.....	.....	10	.....	.....
29	.....	.....	12	.....	.....
30	.....	.....	13	.....	.....
31	.....	.....	13	.....	.....
Mean	.....	.....	12	7	.....
Max.	.....	.....	13	10	.....
Min.	.....	.....	10	4	.....
A.F.	.....	.....	242	202	.....

Area reported, 894 acres
Water used, 444 A. F.
Per acre, 0.50 A. F.

SUBURBAN CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
.....	.....	32	114	38
.....	.....	20	114	38
.....	.....	13	72	38
.....	.....	13	98	38
.....	.....	8	100	38
.....	.....	6	82	40
.....	.....	6	114	40
.....	.....	18	92	40
.....	.....	16	126	40
.....	.....	16	132	40
.....	.....	70	146	40
.....	.....	132	141	40
.....	.....	140	136	40
.....	.....	150	130	40
.....	.....	162	126	40
.....	.....	110	121	28
.....	.....	56	115	18
.....	.....	120	110	8
.....	.....	180	98	8
.....	.....	172	32	16
.....	.....	172	50	22
.....	.....	150	38	19
.....	.....	138	32	18
.....	**38	114	82	32
.....	34	104	50	72
.....	34	104	38	82
.....	40	98	38	82
.....	34	50	38	82
.....	38	38	38	58
.....	34	82	38	32
.....	.....	104	38	.....
.....	36	84	87	38
.....	40	180	146	82
.....	34	6	32	8
.....	500	5145	5314	2315

Area reported, 7,526 acres
Water used, 13,274 A. F.
Per acre, 1.77 A. F.

THIRTY MILE CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	.....	.....	.....	80	128	102
2	.....	.....	.....	36	132	102
3	.....	.....	.....	32	128	108
4	.....	.....	.....	32	128	108
5	.....	.....	.....	32	132	114
6	.....	.....	.....	29	128	118
7	.....	.....	.....	29	138	128
8	.....	.....	.....	29	140	128
9	.....	.....	.....	27	140	122
10	.....	.....	.....	25	140	122
11	.....	.....	.....	22	136	124
12	.....	.....	.....	22	140	124
13	.....	.....	.....	88	140	116
14	.....	.....	.....	152	138	114
15	.....	.....	.....	154	140	110
16	.....	.....	.....	140	140	108
17	.....	.....	.....	160	126	114
18	.....	.....	.....	166	118	116
19	.....	.....	.....	166	114	116
20	.....	.....	.....	156	116	110
21	.....	.....	.....	152	116	108
22	.....	.....	.....	162	118	108
23	.....	.....	.....	162	118	86
24	.....	.....	**26	160	122	82
25	.....	.....	46	152	132	82
26	.....	.....	56	140	118	82
27	.....	.....	60	135	102	80
28	.....	.....	56	130	100	78
29	.....	.....	74	130	102	78
30	.....	.....	80	128	108	80
31	.....	.....	138	126	.....	74
Mean	.....	.....	67	102	129	105
Max.	.....	.....	138	166	140	128
Min.	.....	.....	26	22	100	74
A.F.	.....	.....	1063	6256	7494	6430

Area reported, 18,119 acres
Water used, 21,243 A. F.
Per acre, 1.17 A. F.
**Canal opened
††Canal closed

TOTAL DIVERTED FROM DRAINS INTO TRI-STATE CANAL

May	June	July	Aug.	Sept.
0	100	111	130	161
27	100	111	130	161
27	100	111	131	161
27	100	111	139	161
27	100	111	139	161
27	100	109	133	161
27	100	109	133	161
27	100	109	133	161
27	100	109	133	161
27	100	109	133	161
27	93	131	133	151
27	93	131	152	151
27	93	149	133	151
27	93	147	70	151
27	93	138	48	151
27	93	138	49	151
0	93	138	49	151
0	93	138	49	151
0	93	138	49	151
27	93	138	49	151
27	104	154	49	138
102	104	154	49	138
102	104	154	49	138
102	104	154	49	138
102	104	154	49	138
102	104	152	49	138
102	104	139	159	138
102	104	137	159	138
102	104	155	159	43
102	104	155	159	0
102	.....	159	159	.....
48	99	134	106	142
102	104	154	159	161
0	93	111	48	0
2933	5890	8237	6496	8463

Total, 32,019 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Continued

TRI-STATE CANAL
Diverted from Akers Draw

Date	May	June	July	Aug.	Sept.
1	0	14	12	9	12
2	14	14	12	9	12
3	14	14	12	10	12
4	14	14	12	10	12
5	14	14	12	10	12
6	14	14	10	11	12
7	14	14	10	11	12
8	14	14	10	11	12
9	14	14	10	11	12
10	14	14	10	11	12
11	14	11	8	11	12
12	14	11	8	11	12
13	14	11	8	11	12
14	14	11	8	11	12
15	14	11	8	11	12
16	14	11	8	12	12
17	0	11	8	12	12
18	0	11	8	12	12
19	0	11	8	12	12
20	14	11	8	12	12
21	14	12	8	12	13
22	14	12	8	12	13
23	14	12	8	12	13
24	14	12	8	12	13
25	14	12	8	12	13
26	14	12	8	12	13
27	14	12	9	12	13
28	14	12	9	12	13
29	14	12	9	12	13
30	14	12	9	12	0
31	14	....	9	12	....
Mean	12	12	9	11	12
Max.	14	14	12	12	13
Min.	0	11	8	9	0
A. F.	750	734	561	694	708

Water used, 3,447 A. F.

TRI-STATE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
0	450	1190	1130	1087
200	500	1190	1130	1087
250	550	1190	1120	1087
300	600	1190	1120	887
330	720	1190	1130	887
370	760	1190	1130	987
390	760	1190	1130	987
390	760	1200	1130	1087
390	760	1270	1130	1137
390	760	1230	1130	1137
390	760	1230	1130	1137
390	840	1230	1130	1137
390	720	1230	1130	1137
390	840	1270	1130	1137
390	970	1270	1020	1047
390	1020	1230	920	957
0	1190	1230	970	1024
0	1130	1270	960	934
0	620	1300	950	1047
225	840	1230	920	1092
330	1020	1200	920	1024
415	1130	1230	920	934
415	1130	1190	920	934
415	1130	1230	920	934
440	1190	1130	920	1069
440	1190	1130	920	844
440	1190	1130	920	744
440	1190	1130	970	444
440	1270	1130	1045	394
440	1270	1130	760	0
440	——	1130	760	——
330	908	1203	1019	945
440	1270	1270	1130	1137
0	450	1130	760	0
20290	54070	73945	62500	56210

Total, 267,015 A. F.

TRI-STATE CANAL
Diverted from Sheep Creek

Date	May	June	July	Aug.	Sept.
1	0	75	74	84	110
2	0	75	74	84	110
3	0	75	74	84	110
4	0	75	74	92	110
5	0	75	74	92	110
6	0	75	74	95	110
7	0	75	74	95	110
8	0	75	74	95	110
9	0	75	74	95	110
10	0	75	74	95	110
11	0	70	98	95	100
12	0	70	98	104	100
13	0	70	116	95	100
14	0	70	114	22	100
15	0	70	105	0	100
16	0	70	105	0	100
17	0	70	105	0	100
18	0	70	105	0	100
19	0	70	105	0	100
20	0	70	105	0	100
21	0	74	116	0	95
22	75	74	116	0	95
23	75	74	116	0	95
24	75	74	116	0	95
25	75	74	116	0	95
26	75	74	114	0	95
27	75	74	100	110	95
28	75	74	98	110	95
29	75	74	116	110	0
30	75	74	116	110	0
31	75	....	120	110	—
Mean	24	73	98	57	95
Max.	75	75	120	110	110
Min.	0	70	74	0	0
A. F.	1487	4343	6030	3524	5673

Total, 21,057 A. F.

TRI-STATE CANAL
Diverted from Wet Spotted Tail Creek

May	June	July	Aug.	Sept.
0	11	25	37	39
13	11	25	37	39
13	11	25	37	39
13	11	25	37	39
13	11	25	37	39
13	11	25	37	39
13	11	25	37	39
13	11	25	37	39
13	11	25	37	39
13	11	25	37	39
13	12	25	37	39
13	12	25	37	39
13	12	25	37	39
13	12	25	37	39
13	12	25	37	39
13	12	25	37	39
0	12	25	37	39
0	12	25	37	39
0	12	25	37	39
13	12	25	37	39
13	18	30	37	30
13	18	30	37	30
13	18	30	37	30
13	18	30	37	30
13	18	30	37	30
13	18	30	37	30
13	18	30	37	30
13	18	30	37	30
13	18	30	37	30
13	18	30	37	0
13	—	30	37	....
11	13	27	37	35
13	18	30	37	39
0	11	25	37	0
696	813	1646	2275	2083

Total 7,513 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1930—Concluded

UNION CANAL
Diverted from Blue Creek

Date	June	July	Aug.	Sept.
1	.....	14	12	10
2	.....	16	13	10
3	.....	18	14	10
4	.....	14	17	10
5	.....	19	17	10
6	.....	12	17	10
7	.....	10	17	10
8	.....	12	20	10
9	.....	14	17	10
10	.....	3	17	10
11	.....	3	17	10
12	.....	2	15	10
13	.....	0	17	10
14	.....	7	19	10
15	.....	8	14	10
16	.....	8	14	16
17	.....	7	14	16
18	.....	11	14	16
19	**8	12	14	16
20	8	9	13	16
21	10	7	17	16
22	14	11	17	16
23	8	8	17	16
24	10	8	0	16
25	8	11	0	16
26	12	16	0	16
27	12	17	12	16
28	14	12	12	16
29	12	11	12	16
30	14	10	10	16
31	.....	10	10	.....
Mean	11	10	13	†13
Max.	14	19	20	16
Min.	8	0	0	10
A. F.	258	635	831	773

Area reported, 1,373 acres
Water used, 2,497 A. F.
Per acre, 1.81 A. F.

WESTERN IRRIGATION CANAL
Diverted from South Platte River

Apr.	May	June	July	Aug.	Sept.	Oct.
8	6	0	45	37	10	0
8	6	0	50	37	8	0
12	6	0	57	37	27	7
15	6	0	57	37	27	11
15	6	0	57	37	23	22
12	6	8	50	32	45	8
11	6	23	45	32	70	5
9	6	23	38	27	85	8
9	60	23	32	27	85	22
9	44	27	27	32	77	17
6	23	23	32	32	70	10
6	0	32	50	32	65	7
6	0	32	7	37	50	7
6	0	27	7	37	65	8
6	0	'38	6	50	70	65
6	0	45	5	5	65	32
10	0	45	5	22	13	27
18	0	50	6	29	27	32
20	0	57	6	23	22	45
18	0	64	45	28	17	32
17	0	98	45	28	17	32
15	0	70	45	26	13	32
12	0	57	38	15	8	32
12	0	57	38	0	7	32
11	0	50	38	0	7	32
9	0	45	38	57	6	27
8	0	45	38	57	6	27
7	0	45	45	50	6	45
7	0	45	50	45	6	32
7	0	45	50	17	5	27
.....	0	.....	45	10	.....	32
10	15	35	35	30	33	23
15	60	98	57	57	85	65
6	6	0	5	0	5	0
625	347	2114	2176	1359	1987	1420

Area reported, 13,480 acres
Water used, 10,528 A. F.
Per acre, 0.78 A. F.

WINTERS CREEK CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	.....	18	40	36	18
2	.....	18	43	43	18
3	.....	18	43	43	18
4	.....	13	36	36	18
5	.....	13	18	18	18
6	.....	18	24	18	18
7	.....	18	30	18	18
8	.....	18	43	50	18
9	.....	13	47	50	18
10	.....	13	75	43	18
11	.....	13	98	43	18
12	.....	24	5	36	18
13	.....	30	66	30	18
14	.....	24	43	23	18
15	.....	18	58	18	18
16	.....	13	0	18	10
17	.....	0	0	18	10
18	.....	0	0	18	10
19	.....	66	43	13	10
20	.....	66	43	13	10
21	.....	66	43	13	10
22	.....	36	36	13	10
23	.....	36	0	13	10
24	.....	36	0	13	10
25	.....	36	50	18	10
26	.....	36	43	18	10
27	**18	50	50	30	10
28	24	43	18	30	10
29	30	36	0	36	10
30	0	36	36	18	10
31	0	.....	36	18	.....
Mean	24	27	34	25	†14
Max.	30	66	98	50	18
Min.	18	0	0	13	10
A. F.	143	1636	2116	1561	833

Area reported, 970 acres
Water used, 6,289 A. F.
Per acre, 6.50 A. F.
†Estimated
**Canal opened

WINTERS CREEK CANAL
Diverted from Winters Creek

May	June	July	Aug.	Sept.
.....	0	70	0	.....
.....	0	70	35	.....
.....	0	70	50	.....
.....	0	70	70	.....
.....	0	70	60	.....
.....	20	70	50	.....
.....	20	70	0	.....
.....	20	70	0	.....
.....	20	63	0	.....
.....	20	50	18	.....
.....	30	40	57	.....
.....	30	40	6	.....
.....	30	0	0	.....
.....	30	0	50	.....
.....	30	0	0	.....
.....	30	0	10	.....
.....	30	65	28	.....
.....	30	60	28	.....
.....	30	70	0	.....
.....	30	0	0	.....
.....	45	0	34	.....
.....	45	60	34	.....
.....	45	55	38	.....
.....	45	60	36	.....
.....	45	50	20	.....
.....	70	60	40	.....
.....	70	45	30	.....
.....	70	60	10	.....
.....	70	60	18	.....
.....	70	60	18	.....
.....	.....	20	18	.....
.....	37	48	24	.....
.....	70	70	57	.....
.....	20	0	0	.....
.....	1934	2932	1503	.....

Area reported, 1,770 acres
Water used, 6,369 A. F.
Per acre, 3.60 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931

ALFALFA CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	8	47	3	0	20
2	0	7	24	22	0	21
3	0	0	13	41	0	29
4	0	24	37	62	0	39
5	0	40	16	27	0	46
6	0	53	9	30	0	49
7	0	32	19	34	0	49
8	0	34	28	26	0	50
9	0	49	5	42	0	59
10	0	49	0	59	0	29
11	0	43	0	42	0	28
12	0	37	0	32	0	66
13	0	49	0	23	0	65
14	0	67	0	35	0	77
15	0	62	0	29	0	78
16	0	40	0	9	0	72
17	0	46	0	30	0	70
18	0	49	0	28	0	69
19	0	49	0	0	0	16
20	0	37	0	0	25	0
21	0	26	0	0	24	0
22	0	25	0	0	21	0
23	0	17	0	0	18	0
24	0	32	0	0	28	0
25	0	32	0	0	29	0
26	0	32	0	0	27	0
27	0	25	0	0	29	0
28	0	23	0	11	27	0
29	25	12	0	49	26	0
30	30	28	0	0	22	0
31	15	.....	0	0	.....	0
Mean	23	34	6	11	25	49
Max.	30	67	47	62	29	78
Min.	0	0	0	0	0	16
A. F.	139	2037	393	1257	547	1849

Area reported, 3,060 acres
Water used, 6,222 A. F.
Per acre, 2.3 A. F.

ALLIANCE CANAL
Diverted from Bayard Sugar Factory Drain

June	July	Aug.	Sept.	Oct.
0	0	0	11	0
0	0	0	4	0
0	0	0	5	0
19	0	9	4	0
9	0	47	3	0
0	0	45	3	0
0	45	54	3	0
0	45	56	3	0
16	40	0	3	0
19	44	0	3	0
22	42	0	3	0
22	42	0	4	0
31	42	0	3	0
29	27	11	3	0
27	27	11	16	0
27	0	16	5	0
31	0	24	0	0
36	0	12	0	0
33	0	16	11	0
31	0	16	0	0
35	23	22	0	0
40	24	16	0	0
35	20	8	0	0
30	31	10	14	0
31	0	5	0	0
42	0	5	0	0
45	0	5	0	0
45	0	5	0	0
29	0	10	0	0
0	0	10	0	0
.....	0	10	.....	0
22	14	13	3	0
45	45	56	16	0
0	0	0	0	0
1357	896	839	200	0

Area reported, 2,067 acres
Water used, 3,292 A. F.
Per acre, 1.6 A. F.

ALLIANCE CANAL
Diverted from Red Willow Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	.....	0	57	42	60	.....
2	.....	0	56	0	57	.....
3	.....	0	59	0	58	.....
4	.....	0	58	42	53	.....
5	.....	0	58	49	46	.....
6	.....	30	19	47	59	.....
7	.....	32	17	51	60	.....
8	.....	38	50	50	61	.....
9	.....	42	23	45	58	.....
10	.....	45	43	55	55	.....
11	.....	44	43	54	48	.....
12	.....	47	48	56	42	.....
13	.....	45	53	50	56	.....
14	.....	48	58	50	45	.....
15	.....	42	54	48	60	.....
16	.....	48	49	50	61	.....
17	.....	51	44	55	57	.....
18	.....	49	44	52	55	.....
19	.....	46	49	53	0	.....
20	.....	49	48	56	0	.....
21	.....	51	49	58	51	.....
22	.....	53	50	63	48	.....
23	.....	51	51	60	48	.....
24	.....	54	51	61	45	.....
25	.....	51	0	62	39	.....
26	.....	54	0	61	37	.....
27	.....	56	39	58	26	.....
28	.....	54	41	60	48	.....
29	.....	55	41	55	51	.....
30	.....	57	52	57	50	.....
31	.....	.....	43	57	.....	.....
Mean	.....	39	43	55	47	.....
Max.	.....	57	59	63	61	.....
Min.	.....	0	0	0	0	.....
A.F.	.....	2364	2572	3088	2844	.....

Area reported, 4,028 acres
Water used, 10,968 A. F.
Per acre, 2.72 A. F.

BARBER CANAL
Diverted from Clear Creek

May	June	July	Aug.	Sept.
0	6	7	0	1
0	6	7	0	1
0	6	7	0	1
0	4	8	0	1
0	3	8	7	1
0	3	8	8	1
0	3	8	9	1
0	3	8	10	1
0	6	8	10	1
0	6	8	10	1
0	4	8	10	1
0	2	8	7	1
0	1	8	7	1
0	1	8	7	1
0	1	8	7	1
0	1	8	7	1
0	2	8	7	1
0	4	8	7	1
0	6	8	6	2
0	6	8	8	2
0	6	8	9	2
0	7	8	7	2
0	8	8	5	2
0	9	8	3	2
0	9	0	1	2
0	8	0	1	2
0	8	0	1	2
0	7	0	1	2
0	7	0	1	2
0	7	0	1	2
0	.....	0	1	.....
0	5	6	5	1
0	9	8	10	2
0	1	0	0	1
0	297	375	313	83

Area reported, 855 acres
Water used, 1,068 A. F.
Per acre, 1.25 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

BEERLINE CANAL

Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	**4	0	18	.....
2	0	0	4	0	18	.....
3	0	0	4	0	20	.....
4	0	0	4	0	0	.....
5	0	0	4	0	0	.....
6	0	0	3	0	0	.....
7	0	0	3	0	0	.....
8	0	0	3	0	1	.....
9	0	0	3	0	1	.....
10	0	0	3	0	1	.....
11	0	5	3	0	7	.....
12	0	5	3	0	3	.....
13	0	5	3	0	1	.....
14	0	5	**3	0	1	.....
15	0	5	**3	0	0	.....
16	0	0	**2	0	0	.....
17	0	1	**2	0	0	.....
18	0	2	**2	**3	1	.....
19	0	3	**2	**3	1	.....
20	0	3	**2	0	5	.....
21	0	3	**2	0	5	.....
22	0	3	**2	0	8	.....
23	0	4	**2	0	8	.....
24	0	4	**2	0	8	.....
25	0	4	**2	7	12	.....
26	0	0	**2	7	12	.....
27	0	0	**2	7	12	.....
28	0	0	**2	6	6	.....
29	0	0	**2	6	6	.....
30	0	4	**2	6	6	.....
31	0	.....	**3	0	.....	.....
Mean	0	2	3	1	5	.....
Max.	0	5	4	7	20	.....
Min.	0	0	2	0	0	.....
A. F.	0	119	165	89	319	.....

Area reported, 2,080 acres
Water used, 692 A. F.
Per acre, 0.33 A. F.
Natural ..... 600 A. F.
Storage ..... 92 A. F.
Total ..... 692 A. F.

BELMONT CANAL

Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	30	180	192	134
2	0	44	205	192	120
3	0	98	192	180	114
4	36	136	167	180	120
5	36	145	156	180	140
6	64	145	136	180	135
7	64	156	145	167	134
8	64	145	167	167	132
9	64	156	180	156	118
10	64	156	180	117	104
11	30	145	192	108	98
12	15	156	192	108	100
13	15	167	192	117	94
14	20	167	205	108	98
15	24	167	192	117	90
16	30	167	192	126	80
17	30	180	205	117	90
18	32	192	192	108	80
19	24	205	192	117	50
20	20	192	205	136	50
21	57	180	192	136	62
22	64	156	192	126	24
23	73	180	192	108	36
24	64	192	192	94	44
25	76	205	205	90	43
26	80	216	205	108	43
27	30	205	205	136	44
28	57	205	205	136	47
29	90	192	192	136	20
30	100	192	205	145	22
31	118	.....	205	132	.....
Mean	46	162	189	136	82
Max.	118	216	205	192	140
Min.	0	30	136	90	22
A.F.	2858	9664	11617	8370	4891

Area reported, 20,000 acres
Water used, 38,425 A. F.
Per acre, 1.92 A. F.
Acre-feet from North Platte River 37,400
Acre-feet from Cedar Creek 2,391
Total diversion 39,791
Delivered to Empire Canal 1,366
Net diverted by Belmont Canal 38,425
**Pathfinder storage water

BELMONT FEEDER

Diverted from Cedar Creek

May	June	July	Aug.	Sept.
0	8	6	13	12
0	7	6	13	12
0	7	6	13	12
7	6	6	13	9
7	6	6	13	9
7	5	6	13	9
7	5	7	10	12
7	4	6	10	13
7	1	5	10	13
7	5	4	10	13
8	5	4	15	13
8	5	4	14	12
8	5	3	13	12
8	5	3	12	13
8	5	3	12	14
10	5	3	12	14
10	5	2	11	14
10	5	2	10	14
10	5	2	10	14
10	5	2	11	14
9	5	3	11	8
9	5	3	10	9
9	5	3	9	9
9	5	5	8	9
9	5	5	8	10
8	4	5	10	10
8	4	5	12	10
8	4	3	13	10
8	4	3	13	9
8	6	3	13	9
8	.....	3	13	.....
7	5	4	11	11
10	8	7	15	14
0	1	2	8	9
460	299	246	710	676

Water used, 2,391 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

BIRDWOOD CANAL
Diverted from Birdwood Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	0	20	11	14	23	15
2	0	20	12	19	25	15
3	0	67	16	24	14	15
4	0	37	13	30	14	15
5	0	43	10	31	30	15
6	0	22	5	34	33	16
7	0	13	0	37	33	16
8	0	21	0	11	33	16
9	0	5	0	11	20	16
10	0	11	0	12	22	16
11	0	11	0	12	20	14
12	0	11	20	11	23	14
13	0	11	19	24	25	14
14	18	10	17	24	24	14
15	18	10	8	25	23	14
16	18	13	0	31	16	13
17	18	12	24	35	11	13
18	18	13	31	40	12	13
19	18	20	6	38	13	13
20	18	20	23	38	12	13
21	18	12	23	38	11	11
22	18	11	53	44	11	11
23	18	12	22	20	11	11
24	18	11	33	16	12	11
25	18	16	34	15	17	11
26	18	17	39	15	12	10
27	18	18	39	15	15	5
28	18	22	41	16	15	5
29	18	30	40	15	14	5
30	18	20	40	16	14	5
31	18	.....	12	24	.....	5
Mean	18	18	19	24	18	12
Max.	18	67	41	44	33	16
Min.	18	5	0	11	11	5
A. F.	634	1109	1170	1458	1107	754

Area reported, 5,411 acres
Water used, 6,241 A. F.
Per acre, 1.15 A. F.

BLUE CREEK CANAL
Diverted from Blue Creek

May	June	July	Aug.	Sept.
11	62	26	7	36
11	50	20	6	35
11	40	20	5	35
11	30	26	36	28
11	20	6	32	28
11	21	12	33	32
11	11	15	35	35
11	20	10	36	33
11	0	5	52	35
11	11	5	36	36
11	1	15	47	0
11	0	18	48	0
11	4	36	46	0
11	8	37	44	0
11	13	37	42	22
11	14	37	40	24
11	12	40	47	27
11	11	0	37	29
11	15	0	40	30
11	16	39	36	30
11	18	39	37	29
11	21	13	37	29
11	27	20	41	31
11	36	44	36	37
11	38	22	35	16
11	36	23	36	9
11	42	24	36	2
11	37	24	43	6
11	44	25	37	10
11	37	7	35	8
11	.....	6	35	.....
†11	23	21	36	22
11	22	44	52	37
11	0	0	5	0
676	1378	1291	2208	1333

Area reported, 2,823 acres
Water used, 6,886 A. F.
Per acre, 2.44 A. F.

BROWN CREEK CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	49	52	81	46	.....
2	0	45	66	84	13	.....
3	0	50	60	88	32	.....
4	0	55	40	50	35	.....
5	0	60	20	85	35	.....
6	0	65	69	84	30	.....
7	0	52	69	90	45	.....
8	0	53	65	70	46	.....
9	0	51	61	30	46	.....
10	0	44	47	35	57	.....
11	0	43	64	35	53	.....
12	0	51	55	38	52	.....
13	0	58	55	41	31	.....
14	0	43	41	49	44	.....
15	0	35	20	49	32	.....
16	10	46	61	42	16	.....
17	15	52	60	49	30	.....
18	20	41	58	33	34	.....
19	30	29	73	63	46	.....
20	37	0	79	48	24	.....
21	37	0	85	57	23	.....
22	37	57	87	66	33	.....
23	37	17	87	28	32	.....
24	37	58	87	55	29	.....
25	37	58	87	51	25	.....
26	37	58	103	52	24	.....
27	37	58	87	22	25	.....
28	37	50	87	20	32	.....
29	37	48	84	43	32	.....
30	37	60	50	45	25	.....
31	37	.....	77	49	.....	.....
Mean	17	45	65	52	34	.....
Max.	37	65	103	90	57	.....
Min.	0	0	30	20	13	.....
A. F.	1029	2731	4038	3219	2037	.....

Area reported, 6,111 acres
Water used, 13,054 A. F.
Per acre, 2.14 A. F.

BURKE-KENT CANAL
Diverted from Pawnee Creek

May	June	July	Aug.	Sept.
.....	0	3	0	5
.....	0	3	0	5
.....	0	3	0	5
.....	0	0	0	5
.....	0	0	0	5
.....	0	0	0	4
.....	0	0	0	4
.....	0	0	0	4
.....	0	0	0	4
.....	0	0	0	4
.....	0	0	0	3
.....	0	0	0	3
.....	0	0	0	3
.....	0	0	0	4
.....	0	0	0	4
.....	0	0	0	4
.....	0	0	0	4
.....	0	0	0	4
.....	4	0	0	4
.....	4	0	0	4
.....	4	0	0	0
.....	0	0	0	0
.....	0	0	0	0
.....	0	0	0	0
.....	0	0	0	0
.....	5	0	0	0
.....	5	2	0	0
.....	5	2	0	0
.....	5	2	0	0
.....	5	2	0	0
.....	.....	2	0	.....
.....	1	1	0	3
.....	5	3	0	5
.....	0	0	0	0
.....	73	38	0	162

Area reported, 410 acres
Water used, 273 A. F.
Per acre, 0.67 A. F.

†Estimated

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

CASTLE ROCK CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	79	72	85	84
2	0	85	70	86	83
3	0	91	70	83	82
4	0	97	70	83	82
5	0	103	70	86	81
6	0	87	76	92	81
7	0	86	76	88	77
8	0	93	76	78	77
9	0	86	70	84	74
10	0	85	76	84	76
11	20	88	76	84	76
12	45	88	80	84	77
13	60	82	76	76	81
14	65	77	70	78	70
15	73	80	70	76	82
16	73	72	75	76	16
17	73	84	73	76	72
18	73	72	70	74	76
19	73	88	74	76	55
20	73	84	70	74	71
21	73	88	70	75	58
22	73	92	70	77	56
23	73	68	73	76	63
24	73	70	78	77	58
25	73	62	78	63	39
26	73	64	78	82	34
27	73	61	76	84	28
28	73	58	84	84	34
29	73	58	86	82	34
30	73	76	82	84	26
31	73	—	90	82	—
Mean	†73	80	75	80	63
Max.	73	103	90	92	84
Min.	0	58	70	63	16
A. F.	2838	4768	4612	4937	3775

Area reported, 6.003 acres
Water used, 20,930 A. F.
Per acre, 3.48 A. F.

CENTRAL CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
0	43	36	15	27	17
0	40	35	27	14	17
0	40	37	27	21	17
0	54	37	27	0	0
0	47	37	29	19	0
0	48	39	33	27	0
0	41	39	34	23	0
0	51	36	24	24	0
0	50	39	21	18	0
0	47	36	29	23	0
0	0	37	40	17	0
0	37	34	30	21	0
0	32	34	44	19	0
0	46	35	31	19	0
0	22	34	34	18	0
0	20	33	33	18	0
0	30	34	32	19	0
0	26	34	30	18	0
0	27	33	31	20	0
29	21	36	27	17	0
24	42	33	29	13	0
16	40	27	28	19	0
16	40	34	32	21	0
31	36	33	25	17	0
22	40	34	26	21	0
0	46	34	24	16	0
29	48	33	33	19	0
35	49	29	27	18	0
37	41	34	27	18	0
45	37	27	28	19	0
45	—	19	26	—	0
10	38	34	29	18	2
45	54	39	44	27	17
0	0	19	15	0	0
652	2265	2087	1791	1117	101

Area reported, 2.254 acres
Water used, 8,013 A. F.
Per acre, 3.55 A. F.

CHIMNEY ROCK CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	0	54	65	59
2	0	0	47	65	50
3	0	0	50	65	45
4	0	19	51	65	45
5	0	51	53	65	45
6	0	47	53	69	45
7	0	44	60	50	39
8	0	43	39	65	43
9	0	49	34	50	34
10	0	48	51	46	40
11	0	58	18	43	31
12	0	61	55	36	50
13	0	63	52	46	43
14	0	50	70	32	42
15	0	59	64	34	40
16	0	50	64	24	34
17	0	64	65	40	45
18	0	60	69	40	31
19	0	52	65	26	36
20	0	73	30	28	31
21	0	57	60	33	34
22	0	41	66	39	34
23	0	55	62	38	30
24	0	33	66	45	28
25	0	35	46	44	22
26	0	42	40	44	28
27	0	36	46	44	28
28	0	32	60	44	30
29	0	32	65	49	28
30	0	40	25	48	32
31	0	—	18	46	—
Mean	0	42	52	46	34
Max.	0	64	70	69	59
Min.	0	0	18	24	22
A. F.	0	2547	3170	2832	2225

Area reported, 5,597 acres
Water used, 10,775 A. F.
Per acre, 1.92 A. F.
†Estimated

CLEAR CREEK CANAL
Diverted from Clear Creek

May	June	July	Aug.	Sept.	Oct.
0	2	3	5	2	—
0	2	3	5	0	—
0	2	3	5	0	—
0	2	2	5	0	—
0	2	2	3	2	—
0	0	2	3	2	—
0	0	2	3	2	—
0	1	2	3	2	—
0	2	2	3	2	—
0	2	2	3	2	—
0	2	2	2	2	—
0	1	2	2	1	—
0	1	2	3	1	—
0	1	2	3	1	—
0	1	2	3	1	—
0	1	2	3	1	—
0	1	2	3	1	—
0	1	3	3	1	—
0	1	3	3	1	—
0	1	3	3	1	—
0	1	3	2	1	—
0	1	3	2	1	—
0	1	3	2	1	—
0	1	3	2	1	—
0	1	3	2	1	—
0	1	3	2	1	—
0	1	3	2	1	—
0	3	3	2	1	—
0	3	3	2	1	—
0	3	3	2	1	—
0	—	3	2	—	—
0	1	2	3	1	—
0	3	3	5	2	—
0	0	2	2	0	—
0	83	157	174	69	—

Area reported, 200 acres
Water used, 483 A. F.
Per acre, 2.41 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

CODY-DILLON CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	6	40	29	18	24
2	0	6	38	27	22	24
3	0	6	39	21	25	24
4	0	6	36	27	26	24
5	0	6	33	18	26	24
6	0	9	31	21	28	30
7	0	12	22	37	28	30
8	0	15	16	35	29	30
9	0	16	20	33	29	30
10	0	16	13	28	28	0
11	0	23	12	20	28	0
12	0	23	22	23	28	0
13	0	25	18	33	28	0
14	1	24	6	33	28	0
15	1	20	4	31	28	0
16	1	18	6	23	28	0
17	1	18	8	22	28	0
18	1	20	6	19	21	0
19	1	15	4	11	22	0
20	1	13	4	20	23	0
21	2	9	6	24	23	0
22	2	22	21	29	23	0
23	2	14	25	19	24	0
24	2	18	23	15	8	0
25	2	16	9	2	8	0
26	4	15	13	6	7	0
27	4	6	22	5	6	0
28	4	0	12	25	22	0
29	4	18	13	24	23	0
30	4	22	9	22	23	0
31	4	—	4	23	—	0
Mean	†1	13	17	23	22	8
Max.	4	25	40	37	29	30
Min.	0	0	4	5	6	0
A. F.	81	867	1061	1398	1365	476

Area reported, 4,803 acres
Water used 5,248 A. F.
Per acre, 1.08 A. F.

COURT HOUSE ROCK CANAL
Diverted from Pumpkinseed Creek

May	June	July	Aug.	Sept.	Oct.
0	20	0	15	14	10
0	20	0	12	14	10
0	20	20	10	13	10
0	20	20	10	12	10
0	20	20	10	12	10
0	38	19	12	12	10
0	37	17	11	13	10
0	36	19	11	14	10
0	36	20	16	13	10
0	37	17	14	0	10
0	29	16	14	13	10
0	25	16	14	13	10
0	24	16	13	13	10
0	25	15	13	8	10
0	26	15	13	9	10
0	24	15	12	10	0
0	23	14	12	10	0
0	22	16	13	11	0
0	23	14	13	8	0
0	22	14	11	7	0
10	25	16	11	8	0
10	28	14	15	10	0
10	29	16	18	10	0
10	33	17	17	13	0
10	32	17	14	12	0
10	34	16	12	11	0
10	35	16	13	11	0
10	36	16	13	11	0
10	0	14	13	11	0
10	0	0	12	11	0
10	—	0	12	—	0
†3	25	15	13	11	3
10	38	20	17	14	10
0	0	0	10	0	0
218	1541	883	791	649	297

Area reported, 1,546 acres
Water used, 4,379 A. F.
Per acre, 2.84 A. F.

COZAD CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	66	0	0	0	152
2	0	60	0	0	0	164
3	0	70	0	0	0	166
4	0	90	0	0	146	168
5	0	110	0	0	41	84
6	0	66	0	0	56	54
7	0	65	52	0	46	152
8	0	96	144	0	0	118
9	0	58	109	0	0	128
10	0	68	106	0	0	131
11	0	90	98	0	0	130
12	0	22	94	0	0	134
13	0	16	90	0	0	104
14	0	10	0	0	0	138
15	0	17	0	30	0	130
16	0	32	0	52	0	124
17	0	50	0	60	0	140
18	0	34	0	0	0	146
19	0	51	0	56	88	147
20	0	74	0	158	99	142
21	0	70	0	100	110	148
22	0	68	6	39	176	152
23	0	89	0	0	180	156
24	34	88	0	0	160	152
25	22	62	0	0	154	148
26	42	70	0	0	157	148
27	74	46	0	0	135	68
28	66	36	0	0	130	0
29	56	19	0	0	154	0
30	34	8	0	0	136	0
31	42	—	0	0	—	0
Mean	12	56	23	16	65	85
Max.	74	110	144	158	180	168
Min.	0	8	0	0	0	0
A. F.	734	3374	1386	982	3903	7188

Area reported, 20,617 acres
Water used, 16,752 A. F.
Per acre, 0.81 A. F.
†Estimated

COZAD CANAL TAIL WASTE
Into Dawson County Canal

May	June	July	Aug.	Sept.	Oct.
0	0	0	0	0	.....
0	0	0	0	0	.....
0	0	0	0	0	.....
0	0	0	0	0	.....
0	23	0	0	0	.....
0	0	0	0	0	.....
0	17	0	0	0	.....
0	36	30	0	0	.....
0	23	0	0	0	.....
0	23	0	0	0	.....
0	32	1	0	0	.....
0	21	0	0	0	.....
0	0	0	0	0	.....
0	0	0	0	0	.....
0	0	0	0	0	.....
0	0	0	0	0	.....
0	28	0	0	0	.....
0	17	0	0	0	.....
0	28	0	0	0	.....
0	28	0	0	0	.....
0	23	0	0	0	.....
0	23	0	0	0	.....
0	8	0	0	8	.....
0	0	0	0	12	.....
0	0	0	0	10	.....
0	0	0	0	8	.....
0	0	0	0	6	.....
0	0	0	0	6	.....
0	0	0	0	1	.....
0	0	0	0	0	.....
0	—	0	0	—	.....
0	11	1	0	2	.....
0	36	30	0	12	.....
0	0	0	0	0	.....
0	645	61	0	99	.....

Acre-feet diverted	17,557
Waste to Dawson County Canal	805
Net	16,752

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

CRESCENT LAKE OUTFLOW
Into Blue Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	.....	.....	.....	20	2	.....
2	.....	.....	.....	14	4	.....
3	.....	.....	.....	16	6	.....
4	.....	.....	.....	16	7	.....
5	.....	.....	.....	18	7	.....
6	.....	.....	.....	20	8	.....
7	.....	.....	.....	20	7	.....
8	.....	.....	.....	23	6	.....
9	.....	.....	.....	26	5	.....
10	.....	.....	.....	20	5	.....
11	.....	.....	.....	17	5	.....
12	.....	.....	.....	14	4	.....
13	.....	.....	.....	14	4	.....
14	.....	.....	.....	14	4	.....
15	.....	.....	.....	14	4	.....
16	.....	.....	.....	10	3	.....
17	.....	.....	.....	10	3	.....
18	.....	.....	.....	9	3	.....
19	.....	.....	.....	9	4	.....
20	.....	.....	.....	8	5	.....
21	.....	.....	26	6	3	.....
22	.....	.....	26	6	3	.....
23	.....	.....	26	6	3	.....
24	.....	.....	26	6	3	.....
25	.....	.....	26	6	3	.....
26	.....	.....	33	2	1	.....
27	.....	.....	32	2	1	.....
28	.....	.....	31	2	1	.....
29	.....	.....	20	2	1	.....
30	.....	.....	20	2	1	.....
31	.....	.....	20	2	.....	.....
Mean	.....	.....	26	11	3	.....
Max.	.....	.....	33	26	8	.....
Min.	.....	.....	20	2	1	.....
A.F.	.....	.....	568	702	230	.....

Total 1,500 A. F.

DAWSON COUNTY CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	85	45	15	0	75	325
2	85	175	10	0	80	290
3	85	125	10	0	100	280
4	85	110	10	0	15	310
5	85	345	30	0	10	325
6	85	225	175	30	15	325
7	85	185	175	60	135	255
8	85	200	175	100	160	335
9	85	200	160	130	190	315
10	85	200	95	160	200	280
11	85	210	60	185	190	265
12	85	175	30	135	225	275
13	85	185	60	105	225	290
14	85	200	225	100	195	275
15	85	265	190	150	250	243
16	85	225	125	135	290	250
17	85	225	90	165	290	260
18	85	235	60	250	360	260
19	85	225	40	235	285	245
20	85	175	40	190	245	245
21	85	240	10	15	285	200
22	85	190	10	15	235	200
23	85	150	15	40	210	150
24	85	115	0	190	280	150
25	100	60	0	235	340	100
26	100	20	0	210	330	100
27	85	60	0	165	325	54
28	45	30	0	140	350	0
29	80	20	0	100	350	0
30	70	10	0	135	355	0
31	60	.....	0	135	.....	0
Mean	†84	160	58	113	219	213
Max.	100	345	225	250	360	335
Min.	45	10	0	0	10	0
A.F.	5117	9570	3590	6962	13081	13095

Area reported, 90,256 acres
Water used, 52,220 A. F.
Per acre, 0.58 A. F.
Dawson County Canal:
From Platte River.....51,415
From Cozad Waste..... 805
Total diversion 52,220
†Estimated

CULBERTSON CANAL
Diverted from Frenchman River

May	June	July	Aug.	Sept.	Oct.
0	97	86	80	82	76
0	98	88	88	81	79
0	98	89	91	85	80
0	99	88	95	83	82
0	86	86	96	79	82
0	92	85	85	82	83
0	82	83	59	82	83
0	81	79	52	82	83
0	88	77	51	79	84
0	89	74	55	78	84
0	85	86	60	78	83
0	85	88	64	85	83
0	88	90	57	82	84
0	83	92	55	76	86
0	74	86	52	78	88
0	74	88	52	80	88
0	74	89	64	76	87
45	75	86	55	74	84
57	79	88	55	75	84
55	79	85	90	76	84
65	76	88	94	76	84
68	77	90	92	76	85
67	86	86	72	74	85
72	95	90	83	72	83
74	96	86	92	72	83
79	95	82	90	73	83
83	93	83	89	74	57
92	89	82	88	74	39
95	88	79	86	74	0
95	86	83	83	75	0
95	.....	83	82	.....	0
75	86	85	75	77	73
95	99	92	96	85	88
45	74	74	51	72	0
2067	5129	5246	4576	4627	4495

Area reported, 9,137 acres
Water used, 26,140 A. F.
Per acre, 2.86 A. F.

ELM CREEK CANAL
Diverted from Platte River and Strever Creek

May	June	July	Aug.	Sept.	Oct.
0	0	24	0	17	29
0	0	0	0	17	29
0	0	0	0	17	29
0	0	0	0	17	29
0	0	0	0	17	29
0	0	0	0	0	29
0	0	0	0	0	20
0	0	0	7	0	10
0	0	0	10	0	10
0	0	0	12	0	10
0	0	0	15	0	0
0	0	0	15	0	0
0	0	0	15	0	0
0	0	0	14	0	0
0	0	0	14	3	0
0	0	0	14	11	0
0	0	20	14	11	0
0	0	19	14	14	0
0	0	18	14	22	0
0	0	18	14	14	0
0	0	18	14	17	0
0	0	17	14	15	0
0	0	16	14	19	0
0	0	14	15	22	0
0	0	7	15	21	0
0	0	7	15	22	0
0	24	6	15	22	0
0	24	4	15	22	0
0	8	4	15	22	0
0	7	4	15	29	0
0	.....	0	15	.....	0
0	2	6	11	12	7
0	24	24	15	29	29
0	0	0	0	0	0
0	125	389	662	736	444

Area reported, 15,893 acres
Water used, 2,356 A. F.
Per acre, 0.15 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

EMPIRE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept
1	0	0	10	5	4
2	0	0	10	5	4
3	0	0	8	5	3
4	0	0	8	5	3
5	0	9	6	5	3
6	0	8	4	5	3
7	0	10	5	5	4
8	0	8	5	5	4
9	0	9	5	5	4
10	0	9	5	5	4
11	0	9	5	2	4
12	0	11	5	2	4
13	0	11	6	5	4
14	0	11	6	5	4
15	0	13	7	8	4
16	0	13	7	8	0
17	0	13	6	7	0
18	0	13	6	7	0
19	0	13	6	6	7
20	0	13	6	6	7
21	0	13	4	5	4
22	0	13	4	5	2
23	0	13	1	5	0
24	0	13	1	0	0
25	0	13	1	3	0
26	0	13	3	5	0
27	0	13	3	5	0
28	0	13	3	4	0
29	0	14	5	4	0
30	0	14	5	4	0
31	0	.....	5	4	.....
Mean	0	10	5	5	2
Max.	0	14	10	8	7
Min.	0	0	1	0	0
A. F.	0	605	319	297	145

Area reported, 1,845 acres
Water used, 1,366 A. F.
Per acre, 0.74 A. F.

ENTERPRISE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
20	30	50	83	84	.....
20	40	52	90	80	.....
20	50	49	84	80	.....
20	60	87	89	77	.....
20	67	44	92	63	.....
20	72	44	90	54	.....
20	75	41	90	65	.....
20	67	42	84	65	.....
20	72	54	85	53	.....
20	51	44	84	50	.....
20	77	45	84	52	.....
20	67	33	88	42	.....
20	67	45	88	38	.....
20	60	44	87	36	.....
23	62	45	92	42	.....
23	65	41	98	39	.....
23	54	35	80	41	.....
23	58	60	57	36	.....
28	70	67	90	32	.....
28	75	71	88	32	.....
28	77	53	87	47	.....
35	80	52	85	36	.....
47	53	49	82	28	.....
42	70	58	80	25	.....
37	80	47	80	20	.....
32	82	52	80	16	.....
27	70	63	80	24	.....
22	73	88	79	22	.....
20	54	84	80	18	.....
20	64	90	82	18	.....
20	.....	90	85	.....	.....
24	64	55	85	43	.....
47	82	90	98	84	.....
20	30	33	57	16	.....
1503	3852	3410	5203	2608	.....

Total from River, 16,576 A. F.
Area reported, 7,995 acres
Total used, 27,450 A. F.
Per acre, 3.45 A. F.

ENTERPRISE CANAL
Diverted from Tub Springs

Date	May	June	July	Aug.	Sept
1	0	14	44	17	14
2	0	14	44	17	11
3	0	14	43	16	17
4	0	13	28	17	0
5	0	0	13	16	24
6	0	10	44	17	0
7	0	0	48	25	14
8	0	0	46	25	19
9	0	20	49	24	24
10	0	14	49	25	23
11	0	13	49	25	27
12	0	0	49	26	27
13	0	0	44	26	10
14	0	0	45	26	27
15	0	0	51	26	27
16	0	0	48	25	28
17	0	5	38	25	28
18	0	35	17	26	3
19	0	0	17	26	21
20	0	0	17	25	0
21	0	0	17	26	18
22	0	0	17	26	18
23	25	0	17	25	13
24	25	0	17	26	18
25	25	5	17	24	0
26	24	28	17	24	0
27	24	32	17	24	0
28	24	36	17	24	0
29	24	36	17	24	0
30	18	50	17	24	0
31	12	.....	17	24	.....
Mean	6	11	31	23	13
Max.	25	50	51	26	28
Min.	0	0	13	16	0
A. F.	399	672	1924	1440	815

Water used, 5,250 A. F.

ENTERPRISE CANAL
Diverted from Dry Spotted Tail Creek

May	June	July	Aug.	Sept.	Oct.
0	0	11	0	0	.....
0	0	11	0	0	.....
0	0	12	0	0	.....
0	0	23	0	0	.....
0	0	35	0	0	.....
0	0	37	0	0	.....
0	0	24	0	0	.....
0	0	41	0	0	.....
0	0	41	0	0	.....
0	0	41	0	0	.....
0	0	26	0	0	.....
0	0	11	0	0	.....
0	0	7	0	0	.....
0	0	15	0	0	.....
0	0	13	0	0	.....
0	15	32	0	0	.....
0	15	55	0	0	.....
0	15	67	0	0	.....
0	15	67	0	0	.....
0	15	41	0	0	.....
0	15	41	0	0	.....
0	16	27	0	0	.....
0	16	55	0	0	.....
0	14	15	0	0	.....
0	14	4	0	0	.....
11	13	50	0	0	.....
11	15	8	0	0	.....
11	17	8	0	0	.....
0	20	8	0	0	.....
0	17	8	0	0	.....
0	.....	8	0	.....	.....
1	7	27	0	0	.....
11	20	67	0	0	.....
0	0	4	0	0	.....
65	460	1670	0	0	.....

Water used, 2,195 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

ENTERPRISE CANAL
Diverted from Wet Spotted Tail Creek

Date	May	June	July	Aug.	Sept.
1	0	10	10	12	12
2	5	10	10	11	12
3	5	10	11	11	12
4	5	10	11	11	12
5	5	10	12	9	12
6	5	8	12	7	12
7	5	8	11	7	12
8	5	8	13	7	12
9	5	8	13	7	12
10	5	8	11	7	12
11	5	4	11	9	8
12	5	4	11	9	8
13	5	4	11	9	8
14	5	4	10	9	8
15	5	4	10	9	8
16	6	6	10	11	6
17	6	10	10	11	6
18	6	9	10	11	6
19	6	9	10	11	6
20	6	9	10	11	6
21	7	10	10	13	4
22	7	10	10	13	4
23	8	10	12	13	4
24	8	10	13	13	4
25	8	10	13	13	4
26	9	11	13	13	8
27	9	11	13	13	8
28	9	11	12	13	8
29	9	11	12	13	8
30	9	11	12	13	8
31	9	.....	12	13	.....
Mean	6	8	11	11	8
Max.	9	11	13	13	12
Min.	5	4	10	7	4
A. F.	381	512	692	658	496

Water used, 2,739 A. F.

ENTERPRISE CANAL
Diverted from Stewart Drain

May	June	July	Aug.	Sept.	Oct.
0.0	1.0	0.0	0.0	0.3	.....
.0	1.0	.0	.0	.3	.....
.0	1.0	.0	.0	.3	.....
.0	1.0	.0	.0	.3	.....
.0	1.0	.0	.0	.3	.....
.0	1.0	.0	.0	.3	.....
.0	1.0	.0	.0	.3	.....
.0	1.0	.0	.0	.3	.....
.0	1.0	.0	.0	.3	.....
.0	1.0	.0	.0	.3	.....
.0	1.0	.0	.0	.3	.....
.0	1.0	.0	.0	.3	.....
.5	1.0	.0	.0	.3	.....
.5	1.0	.0	.0	.3	.....
.5	.5	.0	.0	.3	.....
.5	.5	.0	.0	.3	.....
.5	.5	.0	.0	.3	.....
.5	.5	.0	.0	.3	.....
.5	.5	.0	.0	.3	.....
.5	.5	.5	.0	.3	.....
.5	.5	.5	.0	.3	.....
.5	.5	.5	.0	.3	.....
.5	.5	.5	.0	.3	.....
.5	.5	.5	.0	.3	.....
.5	.5	.5	.0	.3	.....
.5	.5	.5	.0	.3	.....
.5	.5	.5	.0	.3	.....
.5	.....	.5	.0	.....	.....
0.3	0.6	0.2	0.0	0.3	.....
.5	1.0	.5	.0	.3	.....
.0	.5	.0	.0	.3	.....
18.0	44.0	10.0	.0	18.0	.....

Water used, 90 A. F.

ENTERPRISE CANAL
Diverted from Morrill Drain

Date	May	June	July	Aug.	Sept.
1	0	0	3	2	3
2	0	0	3	2	3
3	0	0	3	2	3
4	0	0	3	2	3
5	0	0	3	2	3
6	0	0	3	2	3
7	0	0	3	2	3
8	0	0	2	2	3
9	0	0	2	2	3
10	0	0	2	2	3
11	0	0	2	3	3
12	0	0	2	3	3
13	0	0	2	3	3
14	0	3	2	3	3
15	0	3	2	3	3
16	0	3	2	3	3
17	0	3	2	3	3
18	0	3	2	3	3
19	0	3	2	3	3
20	0	3	2	3	3
21	0	3	2	3	3
22	0	3	2	3	3
23	0	3	2	3	3
24	0	3	2	3	3
25	0	3	2	3	3
26	0	3	2	3	3
27	0	3	2	5	3
28	0	3	2	5	3
29	0	3	2	5	3
30	0	3	2	5	3
31	0	.....	2	5	.....
Mean	0	2	2	3	3
Max.	0	3	3	5	3
Min.	0	0	2	2	3
A. F.	0	101	137	184	178

Water used, 600 A. F.

**Pathfinder Reservoir storage water

‡ 115 feet storage

§ 70 feet storage

GERING CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
0	232	**152	155	**57	.....
0	232	**150	156	**59	.....
0	232	**150	154	**57	.....
43	238	**152	156	**57	.....
43	238	**154	‡160	**57	.....
45	238	**150	§156	**59	.....
45	229	**150	**142	**55	.....
45	229	**156	**142	**55	.....
45	220	**156	**142	**55	.....
45	226	**150	**148	**55	.....
45	232	**156	**182	**30	.....
45	229	**150	**142	0	.....
45	220	**156	**150	0	.....
45	220	**154	**150	0	.....
78	220	**153	**147	0	.....
110	220	**154	**126	0	.....
140	238	**151	**126	0	.....
174	243	**154	**126	0	.....
170	270	**152	**128	0	.....
165	250	**156	**126	0	.....
165	252	**156	**126	83	.....
165	229	**152	**0	104	.....
165	198	**151	**0	113	.....
165	236	**154	0	9	.....
165	246	**156	0	3	.....
200	238	**152	0	3	.....
210	238	**154	0	3	.....
193	197	**152	0	3	.....
210	193	**151	0	3	.....
232	**150	**151	0	115	.....
232	.....	**152	**56	.....	.....
110	227	**152	99	34	.....
232	238	**156	182	113	.....
0	150	**150	0	0	.....
6803	13553	**9396	6141	2053	.....

Area reported, 14,000 acres

Water used, 37,940 A. F.

Per acre, 2.70 A. F.

Storage ..... 15,525 A. F.

Natural ..... 22,425 A. F.

Total ..... 37,940 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

GOTHENBURG DIVERSION CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	158	171	65	8	118	330
2	158	171	115	30	134	330
3	158	240	132	33	131	330
4	158	195	173	52	151	337
5	158	247	130	160	180	345
6	158	200	248	105	142	340
7	158	150	283	167	125	345
8	158	155	290	175	173	345
9	158	157	295	191	165	345
10	158	161	303	207	160	345
11	171	150	303	157	185	340
12	171	160	310	155	227	340
13	171	175	227	160	150	340
14	171	136	160	105	240	340
15	171	167	155	150	167	340
16	171	200	180	237	182	233
17	171	227	105	293	185	233
18	171	227	96	156	130	233
19	171	227	88	175	267	233
20	171	186	62	285	247	233
21	171	167	64	250	285	233
22	171	255	65	235	310	233
23	171	240	66	185	325	233
24	171	227	33	190	335	233
25	171	220	27	160	330	233
26	171	200	20	167	330	233
27	171	167	20	193	355	233
28	171	180	20	157	330	233
29	171	90	17	136	342	233
30	171	52	12	150	330	233
31	171	——	65	150	.....	233
Mean	†167	177	133	160	227	284
Max.	171	255	310	293	355	345
Min.	158	52	12	8	118	233
A.F.	10257	10909	8190	9866	13351	17494

Water used for power and irrigation 70,067 A. F.

GRAF CANAL
Diverted from Blue Creek

May	June	July	Aug.	Sept.	Oct.
0	34	33	10	27	3
0	36	18	10	29	3
0	38	17	9	29	3
0	40	19	18	27	3
0	40	8	22	32	3
0	41	8	23	27	5
0	35	9	25	24	5
0	33	17	23	23	5
0	31	9	29	23	5
0	31	9	29	23	5
0	4	5	26	29	0
0	10	0	25	28	0
0	5	0	23	27	0
0	9	0	23	27	0
0	13	17	23	24	0
0	11	18	18	20	0
0	14	18	14	27	0
0	19	17	29	28	0
0	14	28	27	4	0
0	23	0	25	7	0
0	27	17	26	24	0
0	32	11	25	24	0
0	20	10	25	25	0
0	9	11	24	3	0
0	12	22	25	15	0
0	9	23	23	1	0
0	19	25	20	1	0
0	18	23	23	1	0
0	14	23	18	2	0
0	18	11	25	3	0
0	——	14	25	.....	0
0	22	14	22	19	1
0	41	33	29	32	5
0	4	0	9	1	0
0	1307	873	1369	1158	79

Area reported, 2,180 acres
Water used, 4,786 A. F.
Per acre, 2.19 A. F.

HALL CANAL NO. 2
Diverted from White River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	5	3	*	8	9
2	0	5	3	——	9	9
3	0	5	3	——	9	9
4	0	5	6	——	9	9
5	0	5	6	.....	9	9
6	0	5	7	——	9	9
7	0	5	8	——	9	9
8	0	5	9	.....	9	9
9	0	5	9	——	8	9
10	0	5	9	——	9	9
11	0	5	8	.....	8	9
12	0	5	9	——	6	9
13	0	5	10	——	9	9
14	0	5	6	——	9	9
15	0	5	5	——	0	9
16	0	5	5	.....	0	9
17	0	5	6	——	0	9
18	0	5	7	——	0	9
19	0	5	5	——	0	9
20	0	5	6	——	0	9
21	0	6	7	——	0	9
22	15	6	7	.....	0	9
23	15	6	6	——	0	9
24	15	6	5	——	0	9
25	15	7	4	——	0	9
26	15	8	4	——	0	9
27	15	7	5	——	7	9
28	15	6	0	.....	9	9
29	15	5	0	——	9	9
30	15	4	0	——	9	9
31	15	.....	0	——	——	9
Mean	†15	†5	5	.....	5	†9
Max.	15	8	10	——	9	9
Min.	15	4	0	——	0	9
A. F.	297	319	333	——	305	553

Area reported, 880 acres
Water used, 1,807 A. F.
Per acre, 2.05 A. F.
*No record
†Estimated

HANEY CANAL
Diverted from Lonergan Creek

May	June	July	Aug.	Sept.	Oct.
0.0	8.0	4.0	1.0	2.0	2.0
.0	8.0	4.0	1.0	2.0	2.0
.0	8.0	4.0	1.0	2.0	2.0
.0	8.0	4.0	3.0	2.0	2.0
.0	8.0	4.0	3.0	2.0	2.0
.0	8.0	4.0	3.0	1.0	2.5
.0	8.0	4.0	3.0	1.0	2.5
.0	8.0	4.0	3.0	1.0	2.5
.0	8.0	4.0	3.0	1.0	2.5
.0	8.0	4.0	3.0	1.0	2.5
.0	3.0	4.0	1.0	1.0	2.5
.0	3.0	4.0	1.0	1.0	2.5
.0	3.0	4.0	1.0	1.0	2.5
.0	3.0	4.0	1.0	1.0	2.5
6.0	3.0	4.0	1.0	1.0	2.5
6.0	3.0	3.0	1.0	1.0	2.0
6.0	3.0	3.0	3.0	1.0	2.0
6.0	3.0	3.0	4.0	2.0	2.0
6.0	3.0	3.0	4.0	2.0	2.0
6.0	3.0	3.0	4.0	2.0	2.0
6.0	5.0	3.0	4.0	2.0	2.0
6.0	5.0	3.0	4.0	2.0	.0
6.0	5.0	3.0	4.0	2.0	.0
6.0	5.0	3.0	4.0	2.0	.0
6.0	5.0	3.0	4.0	2.0	.0
6.0	5.0	3.0	4.0	2.0	.0
6.0	5.0	3.0	4.0	2.0	.0
6.0	5.0	3.0	3.0	2.0	.0
6.0	5.0	3.0	3.0	2.0	.0
6.0	.....	3.0	3.0	.....	.0
3.0	5.0	3.0	2.0	1.0	1.5
6.0	8.0	4.0	4.0	2.0	2.5
.0	3.0	3.0	1.0	1.0	.0
202.0	317.0	214.0	168.0	95.0	88.0

Area reported, 740 acres
Water used, 1,084 A. F.
Per acre, 1.47 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

HANNAH CANAL

Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	.....	2	0	0	0
2	.....	2	1	0	0
3	.....	2	1	0	0
4	.....	2	1	0	0
5	.....	2	1	0	0
6	.....	†2	0	1	0
7	.....	†2	0	1	0
8	.....	†2	0	1	0
9	.....	†2	0	1	0
10	.....	2	0	1	0
11	.....	2	0	1	0
12	.....	2	0	1	0
13	.....	2	0	1	0
14	.....	2	0	1	0
15	.....	2	0	1	0
16	.....	1	0	1	0
17	.....	1	0	1	0
18	.....	1	0	1	0
19	.....	1	0	1	0
20	.....	1	0	1	0
21	.....	1	0	1	0
22	.....	2	0	1	0
23	.....	2	0	1	0
24	.....	2	0	1	0
25	.....	2	0	1	0
26	.....	1	0	1	0
27	.....	1	0	1	0
28	.....	1	0	1	0
29	.....	1	0	1	0
30	.....	1	0	1	0
31	.....	.....	0	1	.....
Mean	.....	1	0	1	0
Max.	.....	2	1	1	0
Min.	.....	1	0	0	0
A.F.	.....	98	8	51	0

Area reported, 206 acres
Water used, 157 A. F.
Per acre, 0.76 A. F.

HOLLINGSWORTH CANAL

Diverted from South Platte River

May	June	July	Aug.	Sept.	Oct.
0	6	11	5	6	7
0	6	11	5	5	7
0	6	11	5	5	7
0	6	11	6	5	7
0	6	11	8	5	7
0	0	4	8	4	7
0	0	4	0	4	7
0	0	4	0	4	7
0	0	0	0	4	7
0	0	10	0	4	7
0	0	10	7	3	0
0	0	4	6	3	0
0	0	4	6	3	0
0	0	4	6	3	0
0	0	4	6	5	0
0	0	8	8	5	0
0	0	8	8	6	0
0	0	8	8	7	0
0	0	8	8	7	0
0	0	8	8	7	0
0	11	7	8	3	0
0	11	7	8	3	0
0	11	7	8	3	0
0	11	1	8	3	0
0	11	1	8	3	0
0	11	1	6	6	0
0	11	3	6	6	0
0	11	5	6	6	0
0	11	5	6	6	0
0	11	5	6	6	0
0	.....	3	6	.....	0
0	5	6	6	5	2
0	11	11	8	7	7
0	0	1	0	3	0
0	289	393	365	278	139

Area reported, 363 acres
Water used, 1,464 A. F.
Per acre, 4.04 A. F.

HOLLOWAY-PHELPS CANAL

Diverted from White Tail Creek

Date	June	July	Aug.	Sept.	Oct.
1	5.0	0.0	2.0	0.0	1.0
2	5.0	.0	2.0	.0	1.0
3	5.0	.0	2.0	1.0	1.0
4	5.0	.0	2.0	1.0	1.0
5	5.0	.0	2.0	1.0	1.0
6	.0	.0	3.0	1.0	1.0
7	.0	.0	3.0	1.0	1.0
8	.0	.0	3.0	1.0	1.0
9	.0	.0	3.0	1.0	1.0
10	.0	.0	3.0	1.0	1.0
11	2.0	.0	4.0	1.0	1.0
12	2.0	.0	4.0	1.0	1.0
13	2.0	.0	4.0	1.0	1.0
14	2.0	.0	4.0	1.0	1.0
15	2.0	.0	4.0	1.0	1.0
16	4.0	.4	5.0	1.0	1.0
17	4.0	.4	5.0	1.0	1.0
18	4.0	.4	5.0	1.0	1.0
19	4.0	.4	5.0	1.0	1.0
20	4.0	.4	5.0	1.0	1.0
21	6.0	.4	5.0	1.0	1.0
22	6.0	.4	5.0	1.0	1.0
23	6.0	.4	5.0	1.0	1.0
24	6.0	.4	5.0	1.0	1.0
25	6.0	.4	5.0	1.0	1.0
26	6.0	1.0	5.0	1.0	1.0
27	7.0	1.0	5.0	1.0	1.0
28	7.0	1.0	5.0	1.0	1.0
29	8.0	1.0	5.0	1.0	1.0
30	8.0	1.0	5.0	1.0	1.0
31	.....	1.0	.0	.....	1.0
Mean	†4.0	0.3	4.0	†1.0	†1.0
Max.	8.0	1.0	5.0	1.0	1.0
Min.	.0	.0	.0	.0	1.0
A. F.	240.0	20.0	238.0	55.0	1.0

Area reported, 270 acres
Water used, 584 A. F.
Per acre, 2.16 A. F.
†Estimated

HOOPER CANAL

Diverted from Blue Creek

May	June	July	Aug.	Sept.	Oct.
0	10	19	6	19	6
0	15	18	6	22	6
0	21	17	18	15	6
0	17	19	17	14	6
0	13	12	16	12	6
0	18	11	20	14	6
0	12	9	24	14	6
0	16	11	18	10	6
0	16	11	7	10	6
0	18	16	7	10	6
0	39	16	10	7	6
0	21	13	10	8	6
0	17	13	9	8	6
0	18	12	8	9	6
0	19	13	6	5	6
0	16	14	18	12	6
0	16	20	24	13	6
0	16	28	10	13	6
0	16	29	14	15	6
0	16	25	16	14	6
0	16	21	15	14	6
0	16	22	10	14	6
0	18	16	14	14	6
0	15	5	16	18	6
0	16	10	15	18	6
0	17	8	15	16	6
0	21	5	15	14	6
0	21	4	18	15	6
0	19	4	15	16	6
0	11	6	16	16	6
0	.....	6	17	.....	6
0	17	14	14	13	†6
0	39	29	24	22	6
0	10	4	6	5	6
0	1030	859	853	791	368

Area reported, 895 acres
Water used, 3,901 A. F.
Per acre, 4.37 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

INTERSTATE CANAL

Sec. 11-26-65 W.

Diverted from North Platte River

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	947	0	0	0	0	0	0	854	2015	2127	1995	1563
2	896	0	0	0	0	0	0	854	2032	2098	1954	1190
3	892	0	0	0	0	0	0	846	2066	2074	1937	634
4	892	0	0	0	0	0	0	850	2083	2025	1910	290
5	446	0	0	0	0	0	0	891	2100	1971	1851	182
6	0	0	0	0	0	0	0	913	2059	1947	1818	202
7	0	0	0	0	0	0	0	935	2012	1946	1818	182
8	0	0	0	0	0	0	0	956	2012	1913	1770	183
9	0	0	0	0	0	0	0	954	2015	1821	1704	180
10	0	0	0	0	0	0	0	956	1998	1772	1704	182
11	0	0	0	0	0	0	0	956	1981	1808	1704	182
12	0	0	0	0	0	0	0	973	1930	1841	1733	180
13	0	0	0	0	0	0	0	1002	1897	1841	1804	180
14	0	0	0	0	0	0	0	1015	1924	1831	1841	165
15	0	0	0	0	0	0	150	1040	1974	1818	1839	76
16	0	0	0	0	0	0	300	1105	2025	1818	1844	0
17	0	0	0	0	0	0	350	1186	2059	1835	1848	0
18	0	0	0	0	0	0	400	1220	2073	1854	1848	0
19	0	0	0	0	0	0	400	1273	2090	1781	1762	0
20	0	0	0	0	0	0	400	1384	2100	1679	1561	0
21	0	0	0	0	0	0	400	1485	2117	1648	1661	0
22	0	0	0	0	0	0	500	1530	2134	600	1661	0
23	0	0	0	0	0	0	600	1530	2134	1145	1636	0
24	0	0	0	0	0	0	700	1539	2137	1161	1633	0
25	0	0	0	0	0	0	750	1596	2152	1428	1593	0
26	0	0	0	0	0	0	800	1714	2164	1673	1572	0
27	0	0	0	0	0	0	800	1831	2164	1840	1608	0
28	0	0	0	0	0	0	804	1903	2164	1874	1639	0
29	0	0	0	0	----	0	808	1981	2161	1940	1639	0
30	0	0	0	0	----	0	804	2035	2164	1995	1639	0
31	0	----	0	0	----	0	----	2066	----	2018	1645	----
Mean	814	0	0	0	0	0	**561	1270	2064	1778	1747	††371
Max.	947	0	0	0	0	0	808	2066	2164	2098	1995	1563
Min.	446	0	0	0	0	0	150	846	1924	600	1561	76
A.F.	8080	0	0	0	0	0	17780	78100	122850	109330	107450	11050

Total 454,640 A. F.

KEARNEY CANAL

Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	320	197	17	0	0	53
2	320	150	15	0	0	53
3	330	173	18	0	0	53
4	330	150	73	0	0	53
5	330	150	127	0	0	53
6	330	155	52	0	0	53
7	330	192	35	0	0	53
8	340	330	37	0	0	53
9	340	350	48	0	0	68
10	340	324	48	0	0	50
11	347	300	42	0	0	68
12	347	317	25	0	0	75
13	347	412	18	0	10	69
14	347	422	18	0	20	72
15	330	395	17	0	46	137
16	330	382	15	0	48	412
17	330	422	28	0	30	405
18	330	433	23	0	30	405
19	330	417	13	0	46	400
20	320	370	12	0	50	400
21	320	348	7	0	55	400
22	320	305	6	0	48	400
23	320	173	4	0	55	400
24	320	155	3	0	58	400
25	320	70	3	0	58	400
26	312	48	3	0	47	333
27	282	32	2	0	30	333
28	263	28	1	0	88	333
29	257	25	2	0	68	333
30	257	20	2	0	68	333
31	245	----	3	0	----	333
Mean	318	241	23	0	29	224
Max.	347	433	127	0	88	400
Min.	245	20	0	0	0	50
A.F.	19605	14370	1408	0	1695	13851

** 16-day mean

†† 15-day mean

Area reported, 6,360 acres

Estimated for irrigation, 4,600 A. F.

Per acre, 0.72 A. F.

Total diverted, 50,929 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

KEITH-LINCOLN COUNTY CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	10	74	84	55	84	70
2	10	64	69	84	84	73
3	10	55	50	79	89	72
4	10	59	5	84	89	70
5	15	74	3	84	74	68
6	15	69	50	84	79	66
7	15	74	69	46	69	64
8	15	90	74	64	74	62
9	20	69	79	82	79	60
10	20	64	59	84	69	58
11	20	64	64	101	64	56
12	25	35	69	95	69	52
13	25	19	64	74	74	48
14	29	35	69	79	59	44
15	55	46	64	74	59	40
16	50	55	69	74	74	36
17	55	59	69	79	59	32
18	55	64	74	79	69	28
19	55	55	88	74	95	24
20	55	43	74	84	84	20
21	55	31	74	95	84	18
22	64	55	74	22	59	18
23	74	46	55	88	59	18
24	84	55	50	84	74	18
25	69	59	5	74	55	18
26	55	79	5	79	64	19
27	46	95	1	79	59	19
28	50	55	1	69	59	19
29	84	46	1	84	55	19
30	74	64	19	79	64	19
31	79	——	25	59	——	19
Mean	42	59	50	76	71	40
Max.	84	90	88	101	95	73
Min.	10	19	1	22	55	18
A. F.	2574	3475	3086	4703	4221	2473

Area reported, 6,277 acres
Water used, 20,532 A. F.
Per acre, 3.27 A. F.

KENT-BURKE CANAL
Diverted from Pawnee Creek

Date	June	July	Aug.	Sept.	Oct.
1	0	2	3	0	——
2	0	2	3	0	——
3	0	2	3	0	——
4	0	2	3	0	——
5	0	2	3	0	——
6	0	3	3	0	——
7	0	3	3	0	——
8	0	3	3	0	——
9	0	3	3	0	——
10	0	3	3	0	——
11	0	3	2	3	——
12	0	3	2	3	——
13	0	3	2	3	——
14	0	3	2	3	——
15	0	3	2	3	——
16	0	3	2	3	——
17	0	3	2	3	——
18	0	3	2	3	——
19	0	3	2	3	——
20	0	3	1	3	——
21	0	3	1	0	——
22	0	3	1	0	——
23	0	3	1	0	——
24	0	3	1	0	——
25	0	3	1	0	——
26	0	3	1	0	——
27	0	3	1	0	——
28	0	3	1	0	——
29	0	3	1	0	——
30	0	3	1	0	——
31	——	3	1	——	——
Mean	0	3	1	1	——
Max.	0	3	3	3	——
Min.	0	2	1	0	——
A. F.	0	194	60	60	——

Area reported, 560 acres
Water used, 314 A. F.
Per acre, 0.56 A. F.

KEYSTONE CANAL
Diverted from White Tail Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	——	11	0	0	0	10
2	——	11	0	0	0	10
3	——	11	0	11	6	10
4	——	11	0	10	0	10
5	——	11	0	10	0	10
6	——	10	0	9	0	9
7	——	10	0	14	0	9
8	——	10	0	9	0	9
9	——	10	0	9	0	9
10	——	10	0	9	0	9
11	——	10	10	9	0	9
12	——	10	10	8	0	9
13	——	10	11	10	0	9
14	——	10	11	10	0	9
15	——	10	0	10	0	9
16	——	10	0	10	0	9
17	——	13	0	10	0	9
18	——	13	0	7	0	9
19	——	13	0	7	0	9
20	——	13	0	0	0	9
21	——	13	0	0	0	9
22	——	13	0	0	0	9
23	——	13	0	0	0	9
24	——	13	0	0	0	9
25	——	13	0	0	0	9
26	——	13	0	0	0	9
27	——	13	0	0	17	0
28	——	13	0	0	17	0
29	——	8	0	0	13	0
30	——	10	0	0	11	0
31	——	——	0	0	——	0
Mean	——	†11	1	5	2	*8
Max.	——	13	11	14	17	10
Min.	——	8	0	0	0	0
A. F.	——	672	81	321	127	473

Area reported, 1,956 acres
Water used, 1,676 A. F.
Per acre, 6.85 A. F.
†Estimated

LAST CHANCE CANAL
Diverted from Pumpkinseed Creek

Date	June	July	Aug.	Sept.	Oct.
1	10	8	0	9	——
2	10	8	0	9	——
3	10	8	0	9	——
4	10	0	1	9	——
5	10	0	8	9	——
6	14	0	9	5	——
7	14	9	5	6	——
8	15	9	5	6	——
9	21	9	7	9	——
10	21	9	4	9	——
11	14	9	3	1	——
12	10	9	2	4	——
13	10	9	0	6	——
14	16	9	0	12	——
15	23	5	3	5	——
16	23	2	5	5	——
17	23	1	5	2	——
18	23	6	5	2	——
19	23	5	5	2	——
20	23	2	1	2	——
21	20	2	1	2	——
22	16	1	1	2	——
23	17	0	1	1	——
24	24	0	1	1	——
25	24	0	0	1	——
26	24	0	13	2	——
27	24	0	2	1	——
28	24	0	9	1	——
29	15	0	10	1	——
30	8	0	7	1	——
31	——	0	7	——	——
Mean	17	4	4	4	——
Max.	24	9	13	12	——
Min.	28	0	0	1	——
A. F.	1029	238	238	266	——

Area reported, 451 acres
Water used, 1,771 A. F.
Per acre, 3.93 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

LISCO CANAL
Diverted from Cold Water Creek

Date	May	June	July	Aug.	Sept.
1	.....	1	1	1	5
2	.....	1	1	1	5
3	.....	1	1	1	5
4	.....	1	1	1	5
5	.....	1	1	1	5
6	.....	1	1	3	5
7	.....	1	1	5	4
8	.....	1	1	5	4
9	.....	1	1	5	4
10	.....	1	1	6	4
11	.....	1	1	6	5
12	.....	1	1	5	5
13	.....	2	1	4	5
14	.....	2	1	3	6
15	.....	3	1	4	6
16	.....	3	2	5	6
17	.....	2	3	6	7
18	.....	1	3	8	7
19	.....	1	3	7	6
20	.....	1	3	6	5
21	.....	1	3	5	4
22	.....	1	3	5	3
23	.....	1	3	5	3
24	.....	1	3	5	2
25	.....	2	3	5	2
26	.....	3	2	5	2
27	.....	3	1	6	2
28	.....	2	1	7	2
29	.....	1	1	7	2
30	.....	1	1	7	2
31	.....	.....	1	7	.....
Mean	.....	1	2	5	4
Max.	.....	3	3	8	7
Min.	.....	1	1	1	2
A. F.	.....	85	101	291	254

Total, 731 A. F.
From river .....7,834 A. F.
From Cold Water Creek.....731 A. F.
Total .....8,565 A. F.

LISCO CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	27	39	0	27	20
2	0	27	27	0	22	22
3	0	33	18	10	27	21
4	0	33	18	22	31	16
5	0	22	18	27	22	14
6	0	33	18	33	18	12
7	0	46	18	39	18	13
8	0	46	39	39	18	9
9	0	54	33	33	18	12
10	0	27	27	46	22	6
11	0	6	18	39	22	9
12	0	61	18	27	22	9
13	0	61	33	22	22	8
14	0	54	27	25	22	5
15	0	54	22	27	22	3
16	0	54	22	39	22	1
17	0	46	22	39	22	1
18	39	33	22	33	22	1
19	33	27	22	22	27	1
20	39	27	22	22	18	8
21	39	27	18	27	22	13
22	39	46	18	22	22	14
23	39	61	13	27	27	15
24	33	54	18	27	27	12
25	33	61	0	22	20	12
26	33	69	0	27	19	14
27	0	69	0	22	19	6
28	0	61	0	27	16	0
29	0	54	0	27	18	0
30	0	39	0	27	18	0
31	0	.....	0	33	.....	0
Mean	11	43	18	27	21	9
Max.	39	69	39	46	27	22
Min.	0	6	0	0	16	0
A. F.	649	2602	1091	1650	1293	549

Area reported, 2,936 acres
Water used, 8,565 A. F.
Per acre, 2.92 A. F.

LOGAN CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	0	2	3	3
2	0	0	2	3	3
3	0	0	2	3	3
4	0	0	2	3	3
5	0	0	2	3	3
6	0	0	2	3	3
7	0	0	2	3	3
8	0	0	2	3	3
9	0	0	2	3	3
10	0	0	2	3	3
11	0	0	1	3	3
12	0	0	1	3	3
13	0	1	1	3	3
14	0	1	1	3	3
15	0	1	1	3	3
16	0	1	1	3	3
17	0	1	1	3	3
18	0	2	1	2	0
19	0	2	1	2	0
20	0	2	1	2	0
21	0	2	1	2	0
22	0	2	1	2	0
23	0	2	1	0	0
24	0	2	2	0	0
25	0	2	3	0	0
26	0	2	3	0	0
27	0	2	3	0	0
28	0	2	3	0	0
29	0	2	3	0	0
30	0	2	3	0	0
31	0	.....	3	3	.....
Mean	0	1	2	2	2
Max.	0	2	3	3	3
Min.	0	0	1	0	0
A. F.	0	61	111	127	101

Area reported, 207 acres
Water used, 400 A. F.
Per acre, 1.93 A. F.

LYONS CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	2	15	3	3	.....
2	0	7	16	0	2	.....
3	0	8	8	0	2	.....
4	0	9	7	8	2	.....
5	0	4	7	11	2	.....
6	0	3	6	22	2	.....
7	0	4	6	19	2	.....
8	0	10	6	16	2	.....
9	0	7	7	17	2	.....
10	0	5	7	20	2	.....
11	0	5	21	17	2	.....
12	0	4	0	13	2	.....
13	0	4	7	18	2	.....
14	0	4	17	11	2	.....
15	0	4	15	8	2	.....
16	0	4	13	6	2	.....
17	0	5	9	21	2	.....
18	0	8	6	14	2	.....
19	0	9	5	15	2	.....
20	0	14	5	12	4	.....
21	0	9	0	6	12	.....
22	0	10	0	5	10	
23	0	12	0	5	6	.....
24	0	13	0	5	5	.....
25	0	14	0	5	6	.....
26	0	15	0	5	6	.....
27	0	14	0	5	11	.....
28	0	14	0	6	11	.....
29	4	12	0	8	10	.....
30	4	15	0	5	12	.....
31	3	.....	0	5	.....	.....
Mean	3	8	6	10	4	.....
Max.	4	15	21	22	12	.....
Min.	0	2	0	0	2	.....
A. F.	22	492	363	617	262	.....

Area reported, 2,270 acres
Water used, 1,756 A. F.
Per acre, 0.77 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

McFARLAND CANAL
Diverted from White Clay Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	1.0	1.4	1.0	1.0	1.0	3.0
2	1.0	1.4	1.0	1.0	1.0	3.0
3	1.0	1.4	1.0	1.0	1.0	1.0
4	1.0	1.4	1.0	2.6	1.0	1.0
5	1.0	1.4	1.0	2.6	1.0	1.0
6	1.0	1.4	1.0	2.6	1.0	1.0
7	1.0	1.4	1.0	2.6	1.0	1.0
8	3.0	1.4	1.0	2.6	1.0	1.0
9	3.0	1.4	1.0	2.6	1.0	1.0
10	3.0	1.4	1.0	2.6	1.0	1.0
11	3.0	1.4	1.0	2.6	1.0	1.0
12	3.0	1.4	2.6	2.6	1.0	1.0
13	4.0	1.4	2.6	2.6	1.0	1.0
14	4.0	1.4	2.6	2.6	1.0	1.0
15	4.0	1.4	2.6	2.6	1.0	1.0
16	4.0	3.8	2.6	4.0	1.0	1.0
17	4.0	3.8	2.6	4.0	1.0	.0
18	4.0	3.8	2.6	2.6	1.0	.0
19	4.0	3.8	1.0	2.6	1.0	.0
20	4.0	1.0	1.0	2.6	1.0	.0
21	4.0	1.0	2.8	2.6	1.0	.0
22	4.0	1.0	2.8	2.6	1.0	.0
23	4.0	1.0	2.8	1.0	1.0	.0
24	4.0	1.0	2.8	1.0	3.0	.0
25	4.0	1.0	2.8	1.0	3.0	.0
26	4.0	1.0	2.8	1.0	3.0	.0
27	4.0	1.0	2.8	1.0	3.0	.0
28	4.0	1.0	2.8	1.0	3.0	.0
29	4.0	1.0	2.8	1.0	3.0	.0
30	4.0	1.0	1.0	1.0	3.0	.0
31	4.0	.....	1.0	1.0	.....	.0
Mean	3.0	1.6	1.7	2.7	1.5	0.7
Max.	4.0	3.8	2.8	4.0	3.0	1.0
Min.	1.0	1.0	1.0	1.0	1.0	.0
A. F.	194.0	93.0	113.0	126.0	87.0	39.0

Area reported, 90 acres
Water used, 652 A. F.
Per acre, 7.20 A. F.

MEEKER CANAL
Diverted from Republican River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	21	26	24	19	22
2	0	17	24	29	20	22
3	0	13	26	23	19	22
4	0	21	17	24	19	22
5	0	7	20	23	19	21
6	0	10	27	23	17	21
7	20	14	27	20	17	22
8	20	15	27	33	16	22
9	20	16	23	31	15	22
10	19	15	27	17	14	21
11	19	15	26	23	19	18
12	22	15	23	17	22	15
13	23	14	31	18	19	14
14	23	14	31	26	19	13
15	19	15	27	28	19	12
16	16	14	28	28	19	14
17	16	14	35	26	22	16
18	19	24	33	20	20	16
19	19	29	33	20	12	15
20	19	27	31	20	18	15
21	19	26	31	20	18	21
22	20	21	31	26	22	26
23	20	26	29	26	27	27
24	22	24	26	24	28	28
25	22	24	23	22	15	21
26	20	29	27	22	23	15
27	19	28	27	21	28	14
28	20	19	26	21	23	17
29	20	26	24	21	22	12
30	22	27	24	21	22	7
31	22	.....	23	20	.....	8
Mean	16	19	27	23	16	18
Max.	23	29	35	29	28	28
Min.	0	7	17	17	12	7
A. F.	992	1150	1657	1422	1174	1113

Area reported 2,870 acres
Water used 7,503 A. F.
Per acre 2.62 A. F.

MEREDITH-AMMER CANAL
Diverted from Pumpkinseed Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	*	10	11	0	6	1
2	.....	12	10	8	7	1
3	.....	13	10	4	5	1
4	.....	16	10	8	4	1
5	.....	16	10	9	4	1
6	.....	17	10	11	2	1
7	.....	16	9	13	2	1
8	.....	12	10	13	2	1
9	.....	12	9	9	2	1
10	.....	12	9	7	2	5
11	.....	12	8	8	2	5
12	.....	10	8	11	2	5
13	.....	11	8	10	2	4
14	.....	11	12	10	1	5
15	.....	12	12	10	2	5
16	.....	12	13	9	2	10
17	.....	13	13	8	3	9
18	.....	14	12	8	2	6
19	.....	13	12	9	1	5
20	.....	13	12	9	2	2
21	.....	13	12	9	1	3
22	.....	13	13	9	1	3
23	.....	13	13	8	2	3
24	.....	12	5	7	1	3
25	.....	12	0	7	1	3
26	.....	12	0	7	1	3
27	.....	12	0	7	1	2
28	.....	12	0	6	1	0
29	.....	11	0	6	1	0
30	.....	11	0	6	1	0
31	.....	.....	0	6	.....	0
Mean	.....	13	8	8	2	3
Max.	.....	17	13	13	7	10
Min.	.....	10	0	0	1	0
A. F.	.....	750	498	500	130	178

Area reported, 981 acres
Water used, 2,056 A. F.
Per acre, 2.09 A. F.
*No record

MIDLAND-OVERLAND CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	25	18	1	1	5
2	0	30	0	1	1	5
3	0	34	0	0	1	5
4	0	31	0	1	6	5
5	0	9	0	7	4	5
6	0	38	0	15	3	5
7	0	37	0	9	2	5
8	0	33	14	17	17	5
9	0	33	14	20	10	5
10	0	5	16	25	3	5
11	0	5	16	17	2	5
12	0	1	9	16	1	5
13	0	27	9	19	1	5
14	0	23	3	10	1	5
15	0	20	2	9	1	5
16	0	19	0	8	1	0
17	0	14	0	18	3	0
18	0	11	0	12	1	0
19	0	9	0	14	2	0
20	0	8	4	17	2	0
21	0	11	21	17	2	0
22	0	13	1	11	2	0
23	0	12	1	12	2	0
24	0	10	0	10	3	0
25	0	9	1	6	0	0
26	0	18	0	5	6	0
27	0	19	0	3	6	0
28	0	18	0	3	5	0
29	0	18	1	2	3	0
30	0	19	0	1	3	0
31	0	.....	0	2	.....	0
Mean	0	18	4	10	3	5
Max.	0	38	18	25	17	5
Min.	0	1	0	0	0	0
A. F.	0	1109	258	611	188	149

Area reported, 1,660 acres
Water used, 2,309 A. F.
Per acre, 1.85 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

MINATARE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	40	64	98	58
2	0	50	69	114	45
3	0	60	77	86	46
4	0	70	69	98	68
5	0	83	62	83	40
6	0	78	59	65	40
7	0	81	70	71	41
8	0	79	61	71	43
9	0	80	58	59	37
10	0	86	89	74	38
11	0	89	90	64	38
12	0	86	91	59	42
13	0	86	92	62	54
14	0	115	92	61	53
15	0	106	92	68	52
16	0	86	100	71	53
17	0	82	107	77	47
18	0	78	109	65	43
19	0	77	112	70	42
20	0	86	114	72	43
21	33	86	124	78	43
22	33	86	127	84	44
23	33	71	118	83	44
24	33	86	108	74	42
25	33	83	103	79	24
26	33	81	115	70	22
27	33	77	108	72	10
28	33	73	101	73	3
29	33	78	108	78	0
30	33	68	110	77	0
31	33	.....	115	74	.....
Mean	†12	79	94	75	38
Max.	33	115	127	114	68
Min.	0	40	58	59	0
A. F.	720	4735	5780	4621	2291

Area reported, 9,301 acres
Water used, 18,147 A. F.
Per acre, 1.95 A. F.

MITCHELL CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	187	193	198	176	73
2	0	197	194	190	171	84
3	0	208	190	184	167	83
4	0	213	192	175	167	81
5	0	211	192	167	170	80
6	0	211	194	161	166	67
7	0	190	196	178	166	60
8	0	187	194	189	168	60
9	0	201	194	192	175	59
10	56	203	187	192	171	58
11	56	175	186	171	168	57
12	54	175	190	185	170	59
13	54	162	192	190	172	57
14	56	143	193	193	174	54
15	58	142	192	190	178	53
16	58	139	194	189	168	0
17	58	139	194	187	153	0
18	70	152	199	184	136	0
19	89	164	199	193	127	0
20	85	173	196	190	118	0
21	82	143	185	187	107	0
22	108	151	183	187	106	0
23	154	151	190	152	108	0
24	165	150	189	142	97	0
25	190	168	190	189	83	0
26	196	161	187	178	69	0
27	197	159	190	168	46	0
28	199	173	192	174	48	0
29	201	178	196	171	58	0
30	190	192	192	172	62	0
31	185	.....	165	175	.....	0
Mean	116	173	191	180	135	657
Max.	201	213	199	198	178	178
Min.	54	139	165	142	46	53
A. F.	5080	10300	11700	11100	8030	1950

Area reported, 14,000 acres
Water used, 46,210 A. F.
Per acre, 3.30 A. F.

NINE MILE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	8	60	6	48
2	0	8	48	6	51
3	0	8	55	6	48
4	0	9	62	6	48
5	0	11	70	38	49
6	0	80	82	48	49
7	0	76	66	57	53
8	0	74	62	70	50
9	0	76	59	74	47
10	0	78	60	75	42
11	0	79	51	75	40
12	0	87	59	72	43
13	0	74	57	69	43
14	0	67	48	65	46
15	0	68	46	58	46
16	0	66	47	58	47
17	0	55	53	67	43
18	0	58	55	15	46
19	0	43	47	53	48
20	0	39	57	60	38
21	0	44	59	53	48
22	0	50	56	47	48
23	0	110	59	47	48
24	0	53	52	38	55
25	0	58	23	34	56
26	24	59	10	35	55
27	24	57	10	38	55
28	24	57	6	37	53
29	24	57	6	38	54
30	24	77	6	37	55
31	24	.....	6	35	.....
Mean	5	56	46	46	45
Max.	24	110	82	75	56
Min.	0	8	6	6	40
A. F.	286	3344	2850	2810	2900

Area reported, 5,907 acres
Water used, 12,190 A. F.
Per acre, 2.06 A. F.
†Estimated

NORTH PLATTE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
0	290	291	282	202	46
0	306	216	144	182	46
0	296	216	144	190	46
0	331	224	140	154	46
0	331	232	135	168	46
0	216	214	135	156	0
0	209	223	126	176	0
0	216	230	144	176	0
0	191	223	149	180	0
0	186	209	190	164	0
161	285	223	202	182	0
161	290	216	196	192	0
161	262	197	100	182	0
161	118	197	100	174	0
161	100	197	104	164	0
150	91	209	192	164	148
140	87	135	146	154	148
136	100	152	94	159	148
150	73	135	116	170	148
170	73	118	106	162	148
182	78	130	116	140	148
160	230	130	102	122	148
114	223	140	152	113	148
70	350	144	176	122	148
70	350	140	196	154	148
100	311	130	190	113	0
130	250	130	190	122	0
160	186	110	196	118	0
190	321	130	190	109	0
220	180	228	191	112	0
250	.....	174	186	.....	0
†103	217	178	156	156	†55
250	350	230	282	202	148
0	73	110	94	109	0
6341	12952	10994	9580	9275	3392

Area reported, 13,994 acres
Water used, 52,534 A. F.
Per acre, 3.75 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

NORTHPORT CANAL

Diverted from North Platte River and Drains

Date	May	June	July	Aug.	Sept.	Oct.
1	0	200	235	159	167	77
2	0	169	229	174	168	77
3	0	184	209	178	163	73
4	0	191	199	170	163	71
5	0	206	202	118	153	73
6	0	256	196	138	148	70
7	0	272	196	190	158	0
8	0	239	180	174	156	0
9	0	229	170	170	146	0
10	0	231	159	173	134	0
11	0	236	166	184	134	0
12	0	248	176	194	132	0
13	0	247	183	189	135	0
14	0	234	180	187	121	0
15	0	223	177	182	102	0
16	0	232	173	183	105	0
17	0	242	183	203	96	0
18	0	243	168	202	101	0
19	0	221	170	191	101	0
20	0	221	183	187	101	0
21	37	217	200	185	100	0
22	62	210	184	185	96	0
23	65	216	184	196	81	0
24	62	221	168	194	92	0
25	44	211	166	192	111	0
26	38	214	164	184	111	0
27	48	221	142	168	100	0
28	58	218	109	167	100	0
29	78	213	94	168	96	0
30	165	204	99	168	81	0
31	202	.....	133	166	.....	0
Mean	78	214	173	178	121	76
Max.	202	272	235	203	168	77
Min.	0	169	94	118	81	0
A. F.	1704	13228	10665	10947	7244	875

Area reported, 16,131 acres
Water used, 44,663 A. F.
Per acre, 2.76 A. F.

NORTH RIVER CANAL

Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
0	77	70	0	21	27
0	77	0	0	20	27
0	77	0	0	26	27
0	77	0	30	18	27
0	107	0	52	20	27
0	100	0	74	18	27
0	89	0	77	18	27
0	18	68	58	13	27
0	55	48	3	13	27
0	44	48	58	22	27
0	33	0	0	18	12
0	34	0	0	22	12
0	35	18	0	18	12
0	32	19	0	18	12
0	30	20	0	19	12
0	31	15	27	24	0
0	32	21	48	20	0
0	33	17	74	22	0
0	49	17	20	18	0
0	65	24	16	49	0
0	59	18	18	67	0
53	53	0	22	48	0
46	43	0	25	53	0
39	33	0	21	16	0
46	39	0	18	26	0
53	36	0	22	27	0
61	34	0	16	32	0
61	26	0	38	28	0
80	22	0	61	34	0
85	33	0	26	45	0
88	.....	0	18	.....	0
20	49	18	27	26	11
88	107	70	74	67	27
0	18	0	0	13	0
1214	2922	704	1650	1573	654

Area reported, 5,168 acres
Water used, 8,717 A. F.
Per acre, 1.68 A. F.

ORCHARD ALFALFA CANAL

Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	0	0	0	54
2	0	0	0	0	0	54
3	0	3	0	0	0	54
4	0	0	0	0	0	54
5	0	38	0	0	0	54
6	0	38	0	0	0	55
7	0	29	61	0	0	54
8	0	45	68	0	0	54
9	0	44	61	0	0	54
10	0	47	28	0	0	50
11	0	40	9	0	0	55
12	0	45	1	0	0	55
13	0	42	0	0	0	62
14	0	48	0	0	0	60
15	0	23	0	0	0	63
16	0	25	0	0	0	69
17	0	22	0	0	0	70
18	0	22	0	0	0	65
19	0	16	0	0	53	70
20	0	19	0	13	48	70
21	0	26	0	4	46	60
22	0	57	0	0	59	60
23	0	65	0	0	60	60
24	0	69	0	0	53	60
25	0	75	0	41	80	60
26	0	85	0	43	61	57
27	29	85	0	7	59	57
28	29	0	0	0	67	57
29	33	0	0	0	51	57
30	37	0	0	0	53	58
31	45	.....	0	0	.....	57
Mean	6	33	73	4	23	59
Max.	45	85	68	43	80	70
Min.	0	0	0	0	0	50
A F.	343	1999	452	214	1369	3606

Area reported, 8,055 acres
Water used, 7,983 A. F.
Per acre, 0.99 A. F.

OSHKOSH CANAL

Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
.....	0	7	0	1	26
.....	0	3	0	1	2
.....	1	2	0	1	2
.....	1	1	7	1	4
.....	1	1	23	1	4
.....	2	1	22	1	4
.....	2	1	23	1	4
.....	7	1	22	1	4
.....	7	1	35	3	0
.....	7	1	26	1	0
.....	3	1	14	1	0
.....	2	1	22	1	0
.....	2	1	24	1	0
.....	7	1	24	1	0
.....	7	1	24	1	0
.....	7	1	29	1	0
.....	5	0	39	1	0
.....	5	0	35	1	0
.....	5	0	26	1	0
.....	2	0	22	7	0
.....	4	0	25	18	0
.....	7	0	20	20	0
.....	9	0	20	23	0
.....	9	0	33	33	0
.....	10	0	30	29	0
.....	10	0	33	23	0
.....	10	0	19	31	0
.....	10	0	18	29	0
.....	10	0	15	29	0
.....	7	0	1	29	0
.....	.....	0	1	.....	0
.....	5	1	20	9	1
.....	10	7	33	33	26
.....	0	0	0	1	0
.....	315	49	1253	579	99

Area reported, 2,857 acres
Water used, 2,295 A. F.
Per acre, 0.80 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

OTTER CREEK CANAL
Diverted from Otter Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	0	22	2	4	4	17
2	0	22	2	10	4	17
3	0	20	2	15	4	17
4	0	20	2	25	4	17
5	0	16	2	25	4	17
6	0	16	0	0	4	10
7	0	10	0	0	4	10
8	0	10	0	0	4	10
9	0	5	0	0	4	10
10	0	5	0	0	4	4
11	0	2	0	8	4	4
12	0	2	2	12	4	4
13	0	2	2	12	4	4
14	0	2	3	11	5	4
15	5	2	3	11	5	4
16	5	2	4	11	5	4
17	5	2	4	12	5	4
18	5	2	4	12	5	4
19	5	2	3	12	5	4
20	5	2	3	12	5	4
21	5	4	3	4	5	2
22	5	4	3	4	5	2
23	5	4	4	4	5	2
24	5	4	4	4	5	2
25	5	4	3	3	5	2
26	5	4	4	3	8	1
27	5	4	4	3	11	1
28	5	4	4	3	12	1
29	5	5	3	3	14	1
30	5	5	3	3	14	1
31	5	.....	3	3	.....	1
Mean	3	7	2	7	6	6
Max.	5	22	4	25	14	17
Min.	0	2	0	0	4	1
A. F.	159	412	153	454	339	367

Area reported, 1,843 A. F.
Water used, 1,883 A. F.

PAISLEY CANAL
Diverted from Blue Creek

May	June	July	Aug.	Sept.	Oct.
0	9	14	7	9	10
0	9	12	7	3	10
0	9	12	10	3	10
0	9	12	10	3	10
0	10	12	13	9	10
0	10	12	11	9	10
0	10	12	9	7	10
0	10	11	8	7	10
0	10	11	8	7	10
0	10	11	8	7	10
0	10	11	8	7	10
0	0	11	8	9	10
0	11	10	8	6	10
0	11	10	6	6	10
12	10	10	10	6	10
12	10	11	10	7	10
12	10	12	0	7	10
12	10	12	0	7	10
12	12	20	0	7	10
12	12	16	0	10	10
12	12	12	0	10	13
12	12	12	10	10	13
12	12	15	10	10	13
12	12	15	10	14	13
12	11	12	10	14	13
10	11	13	10	14	13
10	12	15	10	10	13
10	12	12	0	10	13
10	12	12	10	10	13
10	12	4	10	10	13
10	.....	4	10	.....	13
6	10	12	7	8	11
12	12	20	13	10	13
0	0	4	0	3	10
381	615	730	458	492	680

Area reported, 1,028 acres
Water used, 3,356 A. F.
Per acre, 3.26 A. F.

PAXTON CANAL
Diverted from South Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	36	30	5	0	0	0
2	36	30	5	0	0	0
3	36	30	5	0	0	0
4	36	30	5	0	0	0
5	36	30	5	0	0	0
6	36	24	5	0	0	0
7	36	24	5	0	0	0
8	36	24	5	0	0	0
9	36	24	5	0	0	0
10	36	24	5	0	0	0
11	36	20	3	0	0	0
12	36	20	3	0	0	0
13	36	20	3	0	0	0
14	36	20	3	0	0	0
15	36	20	3	0	0	0
16	36	10	0	0	0	2
17	36	10	0	0	0	2
18	36	10	0	0	0	2
19	36	10	0	0	0	2
20	36	10	0	0	0	2
21	36	5	0	0	0	4
22	36	5	0	0	0	4
23	36	5	0	0	0	4
24	36	5	0	0	0	4
25	36	5	0	0	0	4
26	36	5	0	0	0	13
27	36	5	0	0	0	13
28	36	5	0	0	0	13
29	36	0	0	0	0	13
30	36	0	0	0	0	13
31	36	.....	0	0	.....	13
Mean	†36	16	2	0	0	3
Max.	36	30	5	0	0	13
Min.	36	5	0	0	0	0
A. F.	2213	932	129	0	0	214

Area reported, 4,900 acres
Water used, 3,488 A. F.
Per acre, 0.71 A. F.
†Estimated

PAXTON HERSHEY CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
0	95	90	42	76	0
0	71	94	76	80	23
0	45	0	88	71	23
0	12	6	90	72	23
0	53	28	86	76	23
0	53	68	84	64	36
0	44	68	106	66	36
0	48	71	102	76	36
0	43	72	99	76	36
0	42	72	97	72	36
0	45	71	102	76	36
0	42	71	97	78	36
39	42	68	99	76	36
39	42	54	102	76	36
46	34	30	102	76	36
42	52	8	102	71	0
31	66	6	104	66	0
46	63	8	102	66	0
52	58	8	99	66	0
62	55	8	78	66	0
80	60	8	102	66	0
86	55	6	99	66	0
88	90	4	97	65	0
94	52	4	99	67	0
104	50	4	99	70	0
102	66	4	99	66	0
96	32	4	99	66	0
102	48	4	99	50	0
106	28	4	97	36	0
106	32	6	94	35	0
96	.....	4	70	.....	0
79	56	30	94	67	15
106	95	94	106	80	36
31	12	0	42	35	0
2810	3011	1851	5774	4032	897

Area reported, 7,474 acres
Water used, 18,375 A. F.
Per acre, 2.45 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

RAMSHORN CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	14	32	7	8
2	0	16	24	3	5
3	0	18	19	23	5
4	0	20	20	24	5
5	0	21	22	40	5
6	0	17	17	25	8
7	0	27	22	23	30
8	0	27	18	32	8
9	0	27	22	25	8
10	0	17	22	16	8
11	0	24	22	27	8
12	0	44	21	26	8
13	0	47	24	26	5
14	0	27	24	26	2
15	0	32	16	27	1
16	0	29	10	27	1
17	0	19	13	25	0
18	0	9	15	3	0
19	0	7	16	25	1
20	0	33	10	20	1
21	0	33	20	12	1
22	0	32	19	35	1
23	0	27	19	19	1
24	0	35	0	6	0
25	0	55	5	5	0
26	14	28	7	18	0
27	14	16	5	5	12
28	14	19	9	5	0
29	14	20	11	5	0
30	14	40	2	5	0
31	14	.....	5	5	.....
Mean	14	26	16	18	4
Max.	14	55	32	40	30
Min.	0	7	0	3	0
A. F.	167	1547	974	1130	262

Area reported, 1,936 acres
Water used, 4,080 A. F.
Per acre, 2.10 A. F.

RUSH CREEK CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
.....	8	1	0	0	4
.....	8	1	0	0	4
.....	8	1	0	0	4
.....	8	1	0	0	4
.....	9	1	0	0	4
.....	9	2	0	0	5
.....	9	2	3	0	5
.....	8	2	3	0	5
.....	8	1	3	0	5
.....	8	1	3	0	5
.....	8	3	3	0	6
.....	8	3	3	0	6
.....	8	3	4	0	6
.....	8	3	4	0	6
.....	7	3	4	0	6
.....	7	2	4	0	4
.....	6	1	4	0	4
.....	5	1	4	0	4
.....	4	1	4	0	4
.....	4	0	4	0	4
.....	3	0	4	5	3
.....	3	0	4	5	3
.....	3	0	4	5	3
.....	6	0	4	5	3
.....	9	0	4	5	3
.....	10	0	3	3	3
.....	2	0	3	3	3
.....	4	0	3	3	3
.....	2	0	3	3	3
.....	1	0	3	3	3
.....	.....	0	3	.....	3
.....	6	1	3	1	4
.....	10	3	4	5	6
.....	1	0	0	0	3
.....	379	65	174	79	254

Area reported, 599 acres
Water used, 951 A. F.
Per acre, 1.59 A. F.

SCHERMERHORN CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	.....	0.0	0.3	0.4	0.0
2	.....	.0	.5	.4	.8
3	.....	.0	.0	.0	.6
4	.....	.0	.0	.0	.0
5	.....	.0	.0	.8	.0
6	.....	.0	.0	.8	.0
7	.....	.0	.0	.8	.0
8	.....	.0	.0	.6	.0
9	.....	.0	.0	.6	.0
10	.....	.0	.0	.6	.0
11	.....	.0	.0	.6	.0
12	.....	.9	.0	.6	.0
13	.....	.9	.0	.6	.0
14	.....	.9	.3	.6	.0
15	.....	.9	.1	.5	.0
16	.....	.9	.0	.5	.0
17	.....	.9	.0	.5	.0
18	.....	.9	.0	.4	.0
19	.....	.9	.0	.4	.0
20	.....	2.0	.0	.0	.0
21	.....	2.0	.0	.0	.0
22	.....	2.0	.3	.0	.0
23	.....	.5	.0	.0	.0
24	.....	.5	.0	.0	.0
25	.....	.5	.0	.0	.0
26	.....	.3	.0	.3	.0
27	.....	.3	.0	.3	.0
28	.....	.3	.1	.3	.0
29	.....	.3	.1	.8	.0
30	.....	.3	.1	.7	.0
31	.....	.....	.1	.6	.....
Mean	.....	0.5	0.2	0.2	0.0
Max.	.....	2.0	.5	.8	.8
Min.	.....	.0	.0	.0	.0
A. F.	.....	34.0	4.0	2.5	3.0

Area reported, 200 acres
Water used, 66 A. F.
Per acre, 0.33 A. F.

SHERIDAN-WILSON CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
.....	11	12	8	3	.....
.....	11	6	9	3	.....
.....	14	13	9	5	.....
.....	17	7	8	7	.....
.....	20	2	8	8	.....
.....	22	7	7	7	.....
.....	24	2	12	7	.....
.....	26	6	9	7	.....
.....	28	7	7	10	.....
.....	29	28	6	5	.....
.....	37	21	7	9	.....
.....	18	28	9	9	.....
.....	21	17	5	9	.....
.....	9	13	5	10	.....
.....	9	13	6	9	.....
.....	9	9	7	11	.....
.....	4	2	5	8	.....
.....	4	21	11	7	.....
.....	11	23	7	9	.....
.....	30	2	7	10	.....
.....	21	2	7	10	.....
.....	18	2	8	10	.....
.....	13	7	8	8	.....
.....	10	7	8	6	.....
.....	7	7	9	7	.....
.....	7	2	10	0	.....
.....	12	2	11	3	.....
.....	18	3	8	3	.....
.....	17	25	7	3	.....
.....	42	25	3	0	.....
.....	.....	6	8	.....	.....
.....	16	11	8	6	.....
.....	37	28	12	11	.....
.....	4	2	3	0	.....
.....	1029	649	474	403	.....

Area reported, 502 acres
Water used, 2,555 A. F.
Per acre, 5.04 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

SHORT LINE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	.....	4	8	26	12
2	.....	8	8	23	13
3	.....	12	6	26	12
4	.....	18	10	26	12
5	.....	24	15	27	13
6	.....	24	18	27	13
7	.....	24	18	24	6
8	.....	24	21	23	5
9	.....	24	21	23	11
10	.....	24	19	22	12
11	.....	24	16	24	12
12	.....	24	16	18	11
13	.....	0	16	0	11
14	.....	17	16	0	12
15	.....	18	16	16	16
16	.....	27	16	0	18
17	.....	26	10	0	18
18	.....	26	14	0	18
19	.....	23	0	0	18
20	.....	23	16	0	18
21	.....	22	19	0	18
22	.....	21	12	6	10
23	.....	16	4	8	11
24	.....	16	0	6	11
25	.....	16	0	6	11
26	.....	0	0	7	1
27	.....	14	0	18	1
28	.....	10	0	18	1
29	.....	9	0	17	4
30	.....	8	0	16	4
31	.....	—	0	10	—
Mean	.....	17	10	13	11
Max.	.....	27	21	27	18
Min.	.....	0	0	0	1
A. F.	.....	1043	625	827	660

Area reported, 2,650 acres
Water used, 3,155 A. F.
Per acre, 1.19 A. F.

SIGNAL BLUFF CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.	Oct.
0	2	7	0	5	2
0	2	7	0	5	2
0	4	7	0	5	2
0	4	7	0	5	2
0	4	7	0	5	2
0	6	7	0	4	3
0	6	7	0	4	3
0	6	0	0	4	3
0	6	0	3	4	3
0	6	0	3	4	3
0	4	1	3	3	3
0	4	8	3	3	3
0	4	8	3	3	3
0	4	8	3	3	3
0	4	8	2	3	3
0	4	6	2	3	2
0	4	4	3	3	2
0	4	2	3	3	2
0	4	2	3	3	2
0	4	2	2	3	2
2	6	2	2	2	1
2	6	2	2	2	1
2	6	2	2	2	1
2	7	2	2	2	1
2	7	2	2	2	1
2	6	2	3	2	1
2	5	2	3	2	1
2	5	2	3	2	1
2	5	2	3	2	1
2	5	2	3	2	1
2	—	2	3	....	1
1	5	4	2	3	2
2	6	8	3	5	3
0	2	0	0	2	1
44	286	238	121	188	121

Area reported, 1,436 acres
Water used, 998 A. F.
Per acre, 0.69 A. F.

SIX MILE CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	0	0	0	10
2	0	0	0	0	0	10
3	0	0	0	0	0	10
4	0	0	0	0	0	10
5	0	1	0	0	0	10
6	0	10	0	0	0	10
7	0	20	0	0	0	10
8	0	4	0	0	0	10
9	0	2	14	0	0	10
10	0	4	21	0	0	10
11	0	26	9	7	0	10
12	0	14	7	3	0	10
13	0	3	15	0	0	10
14	0	2	17	0	0	10
15	0	3	17	7	0	10
16	0	2	14	19	0	0
17	0	1	0	15	0	0
18	0	1	0	7	0	0
19	0	1	0	5	0	0
20	0	1	0	7	0	0
21	0	9	0	3	0	0
22	0	12	0	2	0	0
23	0	6	0	0	0	0
24	0	2	0	13	0	0
25	0	1	0	0	0	0
26	0	0	0	0	0	0
27	0	0	0	0	0	0
28	0	0	0	0	0	0
29	0	0	0	0	0	0
30	0	0	0	0	0	0
31	0	—	0	0	....	0
Mean	0	4	4	3	0	5
Max.	0	26	21	19	0	10
Min.	0	0	0	0	0	0
A. F.	0	248	226	174	0	297

Area reported, 1,760 acres
Water used, 945 A. F.
Per acre, 0.53 A. F.

SPOHN CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
0	0	6	0	0
0	0	5	0	0
0	0	5	0	0
0	0	5	0	0
0	2	5	8	0
0	2	5	8	0
0	2	5	8	0
0	2	4	8	0
0	5	4	10	0
0	5	4	13	0
0	7	3	14	0
0	6	3	12	0
0	6	3	12	0
0	6	3	11	0
0	6	3	11	0
0	6	2	10	0
0	7	2	10	0
0	8	2	9	0
0	8	0	9	0
0	6	0	9	14
0	7	0	8	15
0	8	1	8	14
0	8	2	8	3
0	8	0	9	3
0	8	0	8	2
0	8	0	8	3
0	8	0	8	3
0	8	0	8	3
0	7	0	8	2
0	6	0	8	0
0	—	0	1	—
0	5	2	8	2
0	8	6	14	15
0	0	0	0	0
0	317	143	484	123

Area reported, 1,104 acres
Water used, 1,067 A. F.
Per acre, 0.98 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

STEAMBOAT CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
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	10	0	0	0	.....
6	0	11	0	11	0	.....
7	0	11	0	11	0	.....
8	0	0	0	12	0	.....
9	0	0	0	12	0	.....
10	0	0	0	8	0	.....
11	0	0	0	5	0	.....
12	0	0	0	2	0	.....
13	0	0	0	2	0	.....
14	0	0	0	0	0	.....
15	0	0	0	0	0	.....
16	0	0	0	2	0	.....
17	0	0	0	1	0	.....
18	0	0	0	2	0	.....
19	0	0	0	1	0	.....
20	0	0	0	1	0	.....
21	0	0	0	*	0	.....
22	0	0	0	0	0	.....
23	0	0	0	2	0	.....
24	0	0	0	2	0	.....
25	0	0	0	1	0	.....
26	0	0	0	1	0	.....
27	0	0	0	1	0	.....
28	0	0	0	1	0	.....
29	0	0	0	1	0	.....
30	0	0	0	0	0	.....
31	0	....	0	0	—	.....
Mean	0	1	0	2	0	.....
Max.	0	11	0	12	0	.....
Min.	0	0	0	0	0	.....
A. F.	0	63	0	157	0	.....

Area reported, 531 acres
Water used, 220 A. F.
Per acre, 0.41 A. F.

SUBURBAN CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	75	113	89	79	73
2	0	75	108	97	85	73
3	0	75	0	87	88	73
4	0	74	0	80	99	73
5	0	73	28	78	83	73
6	0	75	59	78	89	59
7	0	75	77	33	66	59
8	0	78	77	78	73	59
9	0	83	73	62	84	59
10	0	66	90	82	80	59
11	0	33	77	95	89	59
12	0	33	66	91	84	59
13	0	59	73	82	97	59
14	0	59	52	82	80	59
15	0	85	73	91	85	59
16	0	90	98	78	85	59
17	0	90	77	83	84	0
18	0	106	77	85	89	0
19	0	108	73	78	89	0
20	0	90	79	85	66	0
21	0	81	85	103	77	0
22	0	81	83	103	59	0
23	0	23	79	106	62	0
24	0	39	77	85	80	0
25	0	90	77	92	48	0
26	0	48	73	85	60	0
27	0	122	38	92	55	0
28	0	127	83	85	67	0
29	0	127	81	92	66	0
30	0	127	81	83	62	0
31	0	.....	83	76	—	0
Mean	0	75	71	85	77	†33
Max.	0	127	113	106	99	73
Min.	0	33	0	33	48	0
A. F.	0	4695	4383	5189	4602	2011

Area reported, 7,184 acres
Water used, 20,880 A. F.
Per acre, 2.91 A. F.

THIRTY MILE CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	16	0	0	0	14
2	0	16	0	0	0	14
3	0	16	0	0	0	14
4	0	16	0	0	0	14
5	0	34	0	0	0	14
6	0	36	0	0	0	156
7	0	90	0	0	0	156
8	0	68	0	0	0	156
9	0	86	0	0	0	156
10	0	114	0	0	0	156
11	0	118	0	0	0	156
12	0	104	0	0	0	156
13	0	118	0	0	0	156
14	0	104	0	0	0	156
15	0	122	0	0	0	156
16	0	90	0	0	0	156
17	0	90	0	0	0	156
18	0	108	0	0	0	156
19	0	108	0	0	0	156
20	18	72	0	0	0	156
21	18	86	0	0	0	0
22	14	46	0	0	0	0
23	24	30	0	0	0	0
24	26	18	0	0	0	0
25	38	18	0	0	0	0
26	36	12	0	0	72	0
27	46	3	0	0	104	0
28	60	2	0	0	96	236
29	40	2	0	0	103	236
30	38	1	0	0	112	236
31	20	....	0	0	.....	236
Mean	12	58	0	0	16	†108
Max.	60	122	0	0	103	236
Min.	0	1	0	0	0	0
A. F.	750	3459	0	0	966	6653

Area reported, 23,129 acres
Water used, 11,828 A. F.
Per acre, 0.51 A. F.
*No record
†Estimated

TRI-STATE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	1020	1205	1025	755	430
2	0	1020	1220	1060	765	400
3	0	1115	1220	1060	755	430
4	0	1115	1185	1060	700	318
5	0	1115	1185	995	680	210
6	0	1125	1185	995	660	0
7	0	1130	1185	995	690	0
8	0	1135	1185	960	685	0
9	0	1140	1185	960	605	0
10	0	1165	1185	960	580	0
11	190	1170	1185	960	565	0
12	210	1165	1185	960	595	0
13	230	1175	1155	960	595	0
14	170	1180	1170	960	565	0
15	330	1190	1110	865	535	0
16	350	1210	1040	820	510	0
17	380	1220	995	835	535	0
18	410	1075	980	995	535	0
19	440	1220	980	1060	535	0
20	465	1240	1155	1025	493	0
21	495	1240	1060	930	493	0
22	520	1240	1060	930	400	0
23	550	1240	1060	930	400	0
24	520	1240	1060	930	440	0
25	550	1205	1025	870	535	0
26	550	1205	1010	870	535	0
27	740	1205	945	835	535	0
28	800	1155	930	835	510	0
29	870	1125	900	780	410	0
30	1000	1220	995	790	440	0
31	1070	.....	995	790	.....	0
Mean	516	1160	1080	939	567	58
Max.	1070	1220	1220	1060	765	430
Min.	0	1020	900	820	380	0
A. F.	21501	69422	67310	57520	33791	3546

Total, 253,090 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

TRI-STATE CANAL
Diverted from Sheep Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	0	72	86	88	114	102
2	0	73	86	89	114	102
3	0	74	86	89	114	102
4	0	74	84	89	108	102
5	0	74	84	88	108	102
6	0	75	82	89	108	0
7	0	75	82	91	108	0
8	0	76	82	91	108	0
9	0	76	84	91	107	0
10	0	77	84	91	107	0
11	29	77	84	91	102	0
12	29	78	85	91	102	0
13	29	78	86	90	102	0
14	33	78	87	90	102	0
15	37	78	87	92	102	0
16	41	77	88	94	102	0
17	45	75	89	96	103	0
18	49	74	86	98	103	0
19	53	78	83	98	103	0
20	57	79	80	98	103	0
21	61	80	77	98	102	0
22	64	82	78	98	102	0
23	64	84	79	98	110	0
24	64	84	81	98	118	0
25	65	84	89	98	102	0
26	66	84	87	99	102	0
27	67	84	86	99	100	0
28	68	83	84	99	100	0
29	69	83	85	99	98	0
30	70	83	87	99	98	0
31	71	.....	88	99	.....	0
Mean	54	78	84	94	105	16
Max.	71	84	89	99	114	102
Min.	0	72	77	88	98	0
A. F.	2243	4659	5189	5788	6252	1012

Total 25,143 A. F.

TRI-STATE CANAL
Diverted from Akers Draw

Date	May	June	July	Aug.	Sept.	Oct.
1	0	12	12	12	14	12
2	0	12	12	12	14	12
3	0	12	12	12	14	12
4	0	12	12	12	14	12
5	0	12	12	12	14	12
6	0	12	12	12	14	0
7	0	12	12	12	14	0
8	0	12	12	12	14	0
9	0	12	12	12	14	0
10	0	12	12	12	14	0
11	9	10	12	12	12	0
12	9	10	12	12	12	0
13	9	10	12	12	12	0
14	9	10	12	12	12	0
15	9	10	12	12	12	0
16	9	10	12	12	12	0
17	9	10	12	12	12	0
18	9	10	12	12	12	0
19	9	10	12	12	12	0
20	9	10	12	12	12	0
21	9	9	12	12	12	0
22	9	9	12	12	12	0
23	9	9	12	12	12	0
24	9	9	12	12	12	0
25	9	9	12	12	12	0
26	9	9	12	12	12	0
27	9	9	13	12	12	0
28	9	9	13	12	12	0
29	9	9	13	12	12	0
30	9	9	13	12	12	0
31	9	.....	13	12	.....	0
Mean	6	10	12	12	13	2
Max.	9	12	12	12	14	2
Min.	9	10	12	12	12	0
A. F.	375	615	748	738	754	119

Total, 3,349 A. F.

TRI-STATE CANAL
Diverted from Dry Spotted Tail Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	*	*	*	0	36	24
2	.....	.....	.....	0	36	24
3	.....	.....	.....	36	36	24
4	.....	.....	.....	36	36	24
5	.....	.....	.....	36	36	0
6	.....	.....	.....	36	36	0
7	.....	.....	.....	36	36	0
8	.....	.....	.....	36	36	0
9	.....	.....	.....	36	36	0
10	.....	.....	.....	36	36	0
11	.....	.....	.....	36	27	0
12	.....	.....	.....	36	27	0
13	.....	.....	.....	36	27	0
14	.....	.....	.....	36	27	0
15	.....	.....	.....	36	27	0
16	.....	.....	.....	36	27	0
17	.....	.....	.....	36	27	0
18	.....	.....	.....	36	27	0
19	.....	.....	.....	36	27	0
20	.....	.....	.....	36	27	0
21	.....	.....	.....	36	27	0
22	.....	.....	.....	36	27	0
23	.....	.....	.....	36	27	0
24	.....	.....	.....	36	27	0
25	.....	.....	.....	36	27	0
26	.....	.....	.....	36	27	0
27	.....	.....	.....	36	27	0
28	.....	.....	.....	36	27	0
29	.....	.....	.....	36	27	0
30	.....	.....	.....	36	27	0
31	.....	.....	.....	36	.....	0
Mean	.....	.....	.....	34	30	3
Max.	.....	.....	.....	36	36	24
Min.	.....	.....	.....	0	27	0
A. F.	.....	.....	.....	2071	1767	190

Total 4,028 A. F.

*No record

TRI-STATE CANAL
Diverted from Wet Spotted Tail Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	0	9	13	17	32	28
2	0	9	11	19	30	28
3	0	9	10	21	28	28
4	0	9	11	23	26	28
5	0	9	12	24	26	28
6	0	8	13	25	24	0
7	0	8	13	26	24	0
8	0	8	14	26	24	0
9	0	8	14	25	24	0
10	0	8	13	24	24	0
11	7	8	13	23	24	0
12	7	8	13	21	24	0
13	7	8	14	20	24	0
14	7	8	14	21	24	0
15	7	8	14	22	24	0
16	7	10	14	23	26	0
17	7	10	14	24	26	0
18	7	8	14	25	26	0
19	7	9	14	25	26	0
20	7	9	14	26	26	0
21	8	9	14	27	24	0
22	8	9	14	28	24	0
23	8	9	15	29	24	0
24	8	9	16	30	23	0
25	8	9	16	30	23	0
26	8	10	16	30	25	0
27	8	11	17	30	27	0
28	8	12	17	30	28	0
29	8	13	16	30	28	0
30	8	13	15	30	28	0
31	8	.....	15	30	.....	0
Mean	5	9	14	25	26	3
Max.	8	13	17	30	32	28
Min.	0	8	10	17	23	0
A. F.	313	545	859	1555	1519	278

Total, 5,069 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Continued

TRI-STATE CANAL
Diverted from Tub Springs

Date	May	June	July	Aug.	Sept.	Oct.
1	*	*	0	32	38	26
2	.....	.....	0	32	38	24
3	.....	.....	0	32	38	24
4	.....	.....	0	32	38	24
5	.....	.....	0	32	38	0
6	.....	.....	0	31	36	0
7	.....	.....	0	31	34	0
8	.....	.....	0	31	34	0
9	.....	.....	0	31	34	0
10	.....	.....	0	31	34	0
11	.....	.....	0	31	34	0
12	.....	.....	0	33	34	0
13	.....	.....	0	35	32	0
14	.....	.....	0	35	32	0
15	.....	.....	0	35	30	0
16	.....	.....	0	35	30	0
17	.....	.....	30	35	32	0
18	.....	.....	30	35	32	0
19	.....	.....	30	35	30	0
20	.....	.....	30	35	28	0
21	.....	.....	30	35	26	0
22	.....	.....	30	35	25	0
23	.....	.....	30	35	24	0
24	.....	.....	30	35	22	0
25	.....	.....	31	35	22	0
26	.....	.....	31	35	24	0
27	.....	.....	31	37	26	0
28	.....	.....	31	38	28	0
29	.....	.....	31	38	30	0
30	.....	.....	31	38	28	0
31	.....	.....	31	38	.....	0
Mean	.....	.....	15	34	31	3
Max.	.....	.....	31	38	38	26
Min.	.....	.....	0	31	22	0
A. F.	.....	.....	904	2098	1847	194

Total, 5,043 A. F.

TRI-STATE CANAL
Diverted from Moffat Drain

Date	May	June	July	Aug.	Sept.	Oct.
1	*	*	*	0	7	6
2	.....	.....	.....	0	7	6
3	.....	.....	.....	0	7	6
4	.....	.....	.....	0	7	6
5	.....	.....	.....	0	7	6
6	.....	.....	.....	0	8	0
7	.....	.....	.....	0	8	0
8	.....	.....	.....	0	8	0
9	.....	.....	.....	0	8	0
10	.....	.....	.....	0	8	0
11	.....	.....	.....	4	7	0
12	.....	.....	.....	4	7	0
13	.....	.....	.....	4	7	0
14	.....	.....	.....	4	7	0
15	.....	.....	.....	4	7	0
16	.....	.....	.....	5	7	0
17	.....	.....	.....	5	7	0
18	.....	.....	.....	5	7	0
19	.....	.....	.....	5	7	0
20	.....	.....	.....	5	7	0
21	.....	.....	.....	5	7	0
22	.....	.....	.....	5	7	0
23	.....	.....	.....	5	6	0
24	.....	.....	.....	5	6	0
25	.....	.....	.....	5	6	0
26	.....	.....	.....	5	6	0
27	.....	.....	.....	6	6	0
28	.....	.....	.....	6	6	0
29	.....	.....	.....	6	6	0
30	.....	.....	.....	6	6	0
31	.....	.....	.....	6	.....	0
Mean	.....	.....	.....	3	7	1
Max.	.....	.....	.....	6	8	6
Min.	.....	.....	.....	0	6	0
A. F.	.....	.....	.....	208	410	59

Total, 677 A. F.

TRI-STATE CANAL
Diverted from Alliance Drain

Date	May	June	July	Aug.	Sept.	Oct.
1	*	*	*	0	22	21
2	.....	.....	.....	0	22	21
3	.....	.....	.....	0	22	21
4	.....	.....	.....	0	22	21
5	.....	.....	.....	0	22	21
6	.....	.....	.....	0	24	0
7	.....	.....	.....	18	24	0
8	.....	.....	.....	18	24	0
9	.....	.....	.....	18	24	0
10	.....	.....	.....	18	24	0
11	.....	.....	.....	20	22	0
12	.....	.....	.....	20	22	0
13	.....	.....	.....	18	22	0
14	.....	.....	.....	18	22	0
15	.....	.....	.....	18	22	0
16	.....	.....	.....	18	21	0
17	.....	.....	.....	19	21	0
18	.....	.....	.....	19	21	0
19	.....	.....	.....	19	21	0
20	.....	.....	.....	19	21	0
21	.....	.....	.....	19	22	0
22	.....	.....	.....	19	22	0
23	.....	.....	.....	19	22	0
24	.....	.....	.....	19	22	0
25	.....	.....	.....	19	22	0
26	.....	.....	.....	23	21	0
27	.....	.....	.....	24	21	0
28	.....	.....	.....	24	21	0
29	.....	.....	.....	24	21	0
30	.....	.....	.....	24	21	0
31	.....	.....	.....	24	.....	0
Mean	.....	.....	.....	16	33	3
Max.	.....	.....	.....	24	24	21
Min.	.....	.....	.....	0	21	0
A. F.	.....	.....	.....	988	1309	208

Total 2,505 A. F.

*No record

UNION CANAL
Diverted from Blue Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	0	19	21	7	12	*
2	0	18	19	12	14	.....
3	0	17	19	6	14	.....
4	0	17	10	1	14	.....
5	0	12	8	8	0	.....
6	0	0	6	5	10	.....
7	0	0	5	2	10	.....
8	0	2	6	9	12	.....
9	0	7	2	4	12	.....
10	0	12	2	3	12	.....
11	0	6	1	18	16	.....
12	0	9	1	21	16	.....
13	0	2	10	22	18	.....
14	0	5	13	21	18	.....
15	15	9	14	19	18	.....
16	15	9	14	10	12	.....
17	15	9	13	15	14	.....
18	15	9	15	24	14	.....
19	15	12	14	21	14	.....
20	15	8	8	20	16	.....
21	15	9	12	20	16	.....
22	15	11	19	14	16	.....
23	15	14	22	12	17	.....
24	15	13	16	12	10	.....
25	15	12	18	9	13	.....
26	16	12	15	12	17	.....
27	17	14	15	12	14	.....
28	18	18	15	15	16	.....
29	19	18	15	15	19	.....
30	19	17	17	12	19	.....
31	19	.....	21	12	.....	.....
Mean	9	16	12	13	14	.....
Max.	19	19	21	22	19	.....
Min.	0	0	0	1	0	.....
A. F.	541	635	726	779	839	.....

Area reported, 1,373 acres
Water used, 3,540 A. F.
Per acre, 2.56 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1931—Concluded

WESTERN CANAL

Diverted from South Platte River

Date	May	June	July	Aug.	Sept.	Oct.	Nov.
1	0	80	47	18	14	58	85
2	0	79	47	22	18	61	85
3	0	110	40	22	18	60	85
4	0	106	61	18	18	62	85
5	110	47	61	14	14	62	81
6	110	61	54	14	14	70	81
7	118	67	47	18	14	85	79
8	121	61	40	14	14	95	81
9	121	61	40	18	14	106	84
10	116	61	33	18	14	63	85
11	110	67	33	22	14	65	0
12	110	61	33	22	11	67	0
13	102	54	33	18	14	67	0
14	100	54	22	18	14	69	0
15	96	47	22	18	14	72	0
16	92	47	22	18	14	73	0
17	89	40	22	18	18	79	0
18	79	40	22	18	18	79	0
19	70	40	22	18	22	80	0
20	67	40	22	18	22	84	0
21	61	40	22	14	22	82	0
22	61	40	22	14	34	85	0
23	54	47	18	18	36	72	0
24	47	40	18	14	43	79	0
25	40	40	18	14	43	75	0
26	40	33	18	14	37	73	0
27	40	40	14	14	40	89	0
28	40	33	14	14	40	88	0
29	85	27	18	14	38	87	0
30	83	27	18	14	50	86	0
31	81	----	18	14	----	85	----
Mean	72	53	30	17	23	79	27
Max.	121	110	61	22	50	106	85
Min.	0	27	14	14	11	58	0
A. F.	4409	3154	1827	1035	1380	4677	1648

Area reported, 12,286 acres
Water used, 18,130 A. F.
Per acre, 1.48 A. F.

WINTERS CREEK CANAL

Diverted from North Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	39	31	20	.....
2	0	0	27	10	20	----
3	0	0	20	20	20	.....
4	0	0	16	28	24	----
5	0	43	13	34	24	----
6	0	44	5	37	24	----
7	0	40	31	34	25	.....
8	0	40	22	30	27	.....
9	0	46	31	6	28	.....
10	0	46	32	30	24	----
11	0	48	30	30	22	----
12	0	42	16	28	20	----
13	0	36	19	28	23	.....
14	0	40	23	24	24	.....
15	0	40	23	22	22	.....
16	25	44	23	6	22	----
17	25	45	23	30	22	----
18	25	46	19	22	22	----
19	25	46	19	20	22	.....
20	25	42	21	20	16	.....
21	25	47	20	23	16	.....
22	25	53	21	24	16	----
23	25	46	19	23	0	----
24	25	53	18	20	17	----
25	25	53	24	23	16	.....
26	56	53	24	24	0	.....
27	56	42	24	24	0	.....
28	56	35	17	20	0	----
29	56	41	17	23	0	----
30	56	35	18	20	0	----
31	56	.....	20	18	----	.....
Mean	†19	38	22	24	17	----
Max.	56	53	39	37	28	----
Min.	25	0	13	6	0	----
A. F.	1162	2273	1337	1452	1055	.....

Area reported, 930 acres
Water used, 7,279 A. F.
Per acre, 7.82 A. F.
†Estimated

WINTERS CREEK CANAL

Diverted from Winters Creek

May	June	July	Aug.	Sept.
.....	0	47	34	31
.....	0	40	0	33
----	0	47	35	33
----	0	41	35	20
----	35	35	35	40
.....	35	44	29	13
.....	35	0	63	43
.....	35	35	67	55
----	35	35	64	57
----	26	35	64	57
----	40	35	63	66
.....	50	35	63	51
.....	52	35	60	50
.....	39	36	48	35
----	39	36	44	35
----	42	35	59	45
----	45	36	42	6
.....	47	34	59	39
.....	48	33	65	25
.....	26	34	60	31
----	29	35	60	28
----	31	34	60	0
----	41	33	60	9
.....	41	34	60	0
.....	41	35	60	0
.....	38	34	56	0
----	34	34	58	0
----	30	36	59	5
----	35	33	68	8
.....	41	33	73	18
.....	.....	35	67	----
----	33	35	54	27
----	52	47	73	66
.....	0	0	0	0
----	1964	2150	3312	1652

Area reported, 3,372 acres
Water used, 9,078 A. F.
Per acre, 2.70 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932

ALFALFA CANAL
Diverted from North Platte River

Date	Apr.	May	June	July	Aug.	Sept.
1	0	18	40	24	55	27
2	0	18	47	0	59	34
3	0	18	47	0	54	41
4	0	15	42	0	50	39
5	0	14	31	0	55	38
6	31	13	50	0	41	37
7	35	13	42	31	36	36
8	29	8	33	34	30	21
9	25	7	40	37	16	6
10	33	10	35	20	2	5
11	32	11	45	29	4	5
12	31	12	32	46	6	2
13	36	13	31	41	0	0
14	85	14	30	54	0	0
15	80	16	30	0	0	0
16	75	18	35	0	0	0
17	83	20	55	0	0	0
18	80	22	52	0	0	0
19	102	24	0	0	0	0
20	130	25	63	0	0	0
21	103	32	17	0	13	0
22	79	36	52	52	27	0
23	55	42	29	59	62	0
24	31	42	32	67	60	0
25	14	34	37	59	21	0
26	13	37	35	52	42	0
27	25	41	30	57	52	0
28	13	36	30	62	57	0
29	10	30	33	54	59	0
30	13	23	32	47	62	0
31	.....	30	.....	58	45	.....
Mean	41	22	37	28	29	9
Max.	130	42	63	67	62	41
Min.	0	7	0	0	0	0
A. F.	2465	1378	2196	1751	1801	577

Area reported, 3,059 acres
Water used, 10,170 A. F.
Per acre, 3.32 A. F.

ALLIANCE CANAL
Diverted from Bayard Sugar Factory Drain

	May	June	July	Aug.	Sept.
1	0	12	0	27	0
2	0	9	25	27	0
3	0	7	27	28	0
4	0	18	22	14	0
5	0	19	28	0	0
6	0	24	31	0	0
7	0	22	28	1	0
8	0	25	31	0	0
9	0	20	32	0	0
10	0	22	32	0	0
11	0	20	32	0	0
12	0	21	22	10	0
13	0	14	22	22	0
14	0	15	25	13	0
15	0	17	38	5	0
16	0	0	39	5	0
17	0	0	0	5	0
18	0	0	0	2	0
19	0	1	0	5	0
20	0	1	0	4	0
21	0	0	37	2	0
22	0	16	22	1	0
23	0	19	28	1	0
24	0	17	31	1	0
25	0	19	32	0	0
26	0	22	25	0	0
27	0	25	26	0	0
28	0	28	23	0	0
29	0	32	42	0	0
30	0	35	0	0	0
31	0	.....	30	0	.....
Mean	0	12	23	6	0
Max.	0	35	42	28	0
Min.	0	0	0	0	0
A. F.	0	952	1448	343	0

Area reported, 2,067 acres
Water used, 2,743 A. F.
Per acre, 1.33 A. F.

ALLIANCE CANAL
Diverted from Red Willow Creek

Date	May	June	July	Aug.	Sept.
1	0	28	60	25	65
2	0	38	68	50	56
3	0	48	76	75	35
4	0	14	79	78	42
5	0	25	80	75	59
6	0	32	76	80	62
7	0	28	57	76	65
8	0	28	58	77	72
9	0	28	15	90	80
10	0	42	41	92	80
11	0	45	51	92	52
12	0	40	55	60	80
13	0	39	66	2	72
14	0	43	75	1	51
15	0	51	73	15	33
16	0	50	73	52	48
17	0	51	70	60	64
18	0	46	68	41	67
19	0	37	68	19	53
20	0	37	76	51	40
21	10	41	72	62	67
22	10	27	75	45	53
23	15	36	54	50	71
24	20	44	40	55	70
25	20	36	62	62	30
26	30	39	58	70	27
27	36	34	60	54	25
28	36	38	60	50	18
29	36	39	69	64	12
30	36	41	34	30	12
31	36	.....	0	47	.....
Mean	26	37	60	55	52
Max.	36	51	80	92	80
Min.	0	14	0	1	12
A. F.	565	2231	3707	3371	3096

Area reported, 4,007 acres
Water used, 12,970 A. F.
Per acre, 3.24 A. F.
†Estimated

BARBER CANAL
Diverted from Clear Creek

	May	June	July	Aug.	Sept.
1	0	0	9	8	0
2	0	0	9	8	0
3	0	7	2	8	0
4	0	6	2	7	0
5	0	1	5	7	0
6	0	1	9	7	0
7	0	1	9	7	0
8	0	1	7	7	0
9	0	1	7	7	0
10	0	1	6	6	0
11	0	1	5	6	0
12	0	1	6	4	9
13	0	1	6	2	5
14	0	1	6	0	0
15	0	1	6	0	0
16	0	1	6	0	0
17	0	1	7	0	0
18	0	1	7	0	0
19	0	1	7	3	0
20	0	1	7	3	0
21	0	1	7	3	0
22	0	1	8	2	0
23	7	1	7	0	4
24	7	1	7	0	4
25	7	1	8	0	4
26	7	1	9	0	4
27	7	1	9	0	0
28	7	1	8	0	4
29	7	1	8	0	4
30	7	8	8	0	4
31	†7	.....	8	0	.....
Mean	†7	1	6	3	1
Max.	7	8	9	8	9
Min.	7	0	2	0	0
A. F.	125	91	410	188	83

Area reported, 755 acres
Water used, 897 A. F.
Per acre, 1.15 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

BAY STATE CANAL
Diverted from Lodgepole Creek

Date	May	June	July	Aug.	Sept.
1	*	*	0	2	2
2	.....	——	0	2	2
3	.....	——	0	2	2
4	.....	——	0	2	2
5	.....	——	0	2	2
6	——	——	0	2	3
7	——	——	0	2	3
8	——	——	0	2	3
9	.....	——	0	3	3
10	——	.....	0	2	3
11	——	——	0	2	2
12	.....	.....	1	2	1
13	.....	——	2	2	0
14	.....	——	2	2	0
15	——	——	0	2	0
16	——	——	0	2	0
17	——	——	0	2	0
18	——	——	0	2	0
19	——	——	0	2	0
20	——	——	0	2	0
21	——	——	0	2	0
22	——	——	0	2	0
23	.....	——	1	2	0
24	.....	.....	1	1	1
25	.....	.....	1	2	1
26	——	.....	1	0	1
27	——	.....	1	0	1
28	——	——	2	0	2
29	——	——	2	0	2
30	.....	.....	2	0	0
31	.....	——	2	0	——
Mean	——	.....	1	2	1
Max.	——	——	2	3	3
Min.	——	.....	0	0	0
A. F.	.....	——	38	99	71

Area reported, 86 acres
Water used, 208 A. F.
Per acre, 2.42 A. F.

BEATTY LATERAL
Diverted from Platte River

May	June	July	Aug.	Sept.
*	2	12	0	13
——	2	11	0	12
——	2	11	0	11
.....	2	8	0	12
——	2	7	0	16
——	2	6	0	16
.....	3	10	2	17
——	3	10	4	16
.....	3	11	5	15
.....	0	11	6	14
——	5	12	7	13
——	6	12	7	10
.....	7	12	5	9
——	7	10	4	9
——	7	10	5	9
.....	8	4	6	7
——	7	3	9	5
——	7	3	13	5
.....	9	6	15	5
——	9	7	19	5
——	8	8	16	4
.....	7	8	17	5
——	7	8	10	7
——	7	9	6	6
.....	6	10	8	6
——	6	8	11	5
——	7	7	9	4
.....	7	4	7	4
——	5	1	9	4
——	8	1	11	4
.....	.....	1	12	——
.....	5	8	7	8
——	9	12	19	17
——	0	1	0	4
——	319	478	442	531

Area reported, 995 acres
Water used, 1,770 A. F.
Per acre, 1.78 A. F.

BEERLINE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	2	13	2	15	3
2	2	13	0	14	2
3	2	9	0	17	2
4	2	7	0	21	4
5	2	5	7	21	5
6	10	3	7	11	6
7	10	3	15	8	7
8	10	2	10	5	7
9	10	2	11	5	7
10	10	1	9	6	7
11	13	2	9	7	7
12	13	11	9	9	8
13	13	18	11	11	9
14	13	3	9	15	9
15	13	9	11	12	9
16	9	8	13	10	7
17	9	7	15	9	6
18	9	7	15	9	6
19	9	11	15	10	6
20	9	10	13	12	5
21	9	9	11	11	5
22	9	8	10	11	5
23	9	6	10	11	5
24	9	9	7	11	7
25	9	7	5	12	9
26	13	2	7	13	8
27	13	2	9	12	7
28	13	2	10	12	7
29	13	1	13	7	7
30	13	2	14	5	7
31	13	——	16	5	.....
Mean	†9	6	9	11	6
Max.	13	13	16	21	9
Min.	2	1	0	5	2
A. F.	581	381	581	668	375

Area reported, 2,080 acres
Water used, 2,586 A. F.
Per acre, 1.24 A. F.
*No record
†Estimated

BELMONT CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
0	72	128	129	115
0	73	144	131	112
20	86	135	134	102
20	81	122	133	112
20	96	143	115	112
25	116	141	129	115
25	131	143	146	115
30	133	148	159	120
30	139	148	156	121
34	159	148	157	122
53	154	151	157	125
53	157	152	150	125
60	155	147	125	118
66	157	150	142	118
66	156	137	155	120
60	164	147	160	119
63	159	126	159	117
65	151	118	142	112
67	120	118	51	112
69	125	115	44	116
71	134	116	28	115
73	125	128	34	109
73	128	134	120	107
73	125	135	121	104
75	129	142	138	102
78	129	141	125	99
75	128	144	106	92
75	131	141	99	115
75	130	115	112	116
73	138	120	125	89
73	.....	125	121	——
53	126	139	123	112
78	164	152	160	125
0	72	115	28	89
3253	7698	8569	7543	6696

Area reported, 14,433 acres
Water used, 34,105 A. F.
Per acre, 2.36 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

BELMONT FEEDER
Diverted from Cedar Creek

Date	May	June	July	Aug.	Sept.
1	5	0	6	0	8
2	5	0	6	0	8
3	5	0	6	0	8
4	5	0	6	0	8
5	5	0	6	0	8
6	5	0	6	0	8
7	5	6	6	0	8
8	5	6	6	0	8
9	5	6	6	0	8
10	5	6	6	0	8
11	5	6	6	0	10
12	5	6	6	0	10
13	5	6	6	3	10
14	5	6	6	3	10
15	5	6	6	3	10
16	5	8	6	4	10
17	5	8	6	4	10
18	5	8	6	5	10
19	5	8	6	6	10
20	5	8	6	6	10
21	6	8	6	6	10
22	6	8	6	6	10
23	6	8	6	6	10
24	6	8	6	6	10
25	6	8	0	6	10
26	6	6	0	8	12
27	6	6	0	8	12
28	6	6	0	8	12
29	6	6	0	8	12
30	6	6	0	8	12
31	6	.....	0	8	.....
Mean	5	5	5	4	9
Max.	6	8	6	8	12
Min.	5	0	0	0	8
A. F.	329	313	285	234	575

Water used, 1,736 A. F.

BICKEL CANAL
Diverted from Lodgepole Creek

May	June	July	Aug.	Sept.
*	*	0	2	3
.....	.....	0	2	3
.....	.....	0	2	3
.....	.....	0	2	3
.....	.....	0	3	3
.....	.....	0	3	3
.....	.....	0	3	3
.....	.....	1	3	1
.....	.....	1	2	1
.....	.....	2	2	1
.....	.....	2	3	1
.....	.....	2	3	1
.....	.....	2	3	0
.....	.....	2	3	0
.....	.....	2	3	0
.....	.....	2	3	0
.....	.....	2	0	0
.....	.....	2	0	2
.....	.....	1	0	2
.....	.....	1	0	2
.....	.....	2	0	2
.....	.....	2	3	3
.....	.....	2	3	3
.....	.....	2	3	3
.....	.....	2	3	3
.....	.....	2	3	0
.....	.....	2	3	0
.....	.....	2	3	0
.....	.....	2	3	0
.....	.....	2	3	.....
.....	.....	1	2	1
.....	.....	2	3	3
.....	.....	0	0	0
.....	.....	87	172	91

Area reported, 72 acres
Water used, 350 A. F.
Per acre, 4.85 A. F.

BIRDWOOD CANAL
Diverted from Birdwood Creek

Date	May	June	July	Aug.	Sept.	Oct.
1	0	14	11	17	22	7
2	0	29	14	17	22	7
3	0	32	13	15	24	0
4	0	28	13	15	23	0
5	0	27	17	15	19	0
6	10	26	18	18	19	0
7	10	21	21	17	18	5
8	10	22	21	18	23	6
9	10	27	21	22	22	7
10	10	17	17	16	20	9
11	10	17	17	16	22	11
12	10	10	22	18	22	9
13	10	16	26	21	19	8
14	10	13	27	9	20	7
15	10	13	23	15	20	9
16	16	13	17	16	19	9
17	16	11	6	17	19	9
18	16	9	12	17	17	9
19	16	12	24	18	20	9
20	16	7	40	18	20	9
21	16	7	38	18	9	9
22	12	8	36	19	9	9
23	12	8	18	30	11	9
24	15	7	0	44	12	9
25	19	2	0	40	11	9
26	61	2	5	37	7	14
27	42	5	8	29	20	14
28	35	6	17	21	18	14
29	30	8	32	21	7	14
30	25	10	30	15	6	14
31	20	.....	26	21	.....	14
Mean	15	14	19	20	17	8
Max.	61	32	40	44	38	14
Min.	0	2	0	9	6	0
A. F.	926	847	1170	1250	1069	514

Area reported, 5,363 acres
Water used, 5,776 A. F.
Per acre, 1.08 A. F.
*No record

BLUE CREEK CANAL
Diverted from Blue Creek

May	June	July	Aug.	Sept.
0	60	15	40	53
0	79	17	42	36
0	71	17	39	19
0	23	23	37	20
0	66	35	37	21
0	70	38	37	24
0	75	55	21	27
0	16	48	43	25
0	42	39	42	23
0	40	33	41	23
0	0	49	40	25
0	0	35	39	26
0	8	46	36	28
0	0	39	0	29
0	13	39	15	31
0	36	28	33	30
0	0	26	36	29
0	0	17	39	32
0	0	11	29	35
0	0	38	20	37
15	0	66	30	39
15	0	42	41	37
15	0	42	35	35
40	0	28	47	35
40	0	36	35	35
40	0	38	15	35
40	0	40	11	36
40	0	53	8	31
40	10	66	13	27
40	9	52	19	13
40	.....	39	35	.....
33	20	37	31	31
40	79	66	47	53
15	0	11	0	13
724	1226	2281	1894	1845

Area reported, 2,971 acres
Water used, 7,970 A. F.
Per acre, 2.68 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

BROWN CREEK CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	3	80	41	34
2	0	19	87	41	32
3	0	35	70	50	39
4	0	30	49	62	42
5	0	56	53	64	34
6	0	63	63	76	31
7	0	64	75	94	32
8	0	80	77	94	29
9	0	78	80	94	35
10	0	64	63	94	39
11	25	77	62	93	41
12	25	63	62	93	44
13	25	55	77	88	44
14	25	48	71	84	44
15	25	42	76	86	49
16	34	50	60	88	48
17	34	60	45	85	48
18	34	35	52	83	47
19	34	22	60	52	47
20	34	33	53	22	47
21	34	24	46	27	47
22	34	12	37	32	43
23	34	33	28	39	42
24	34	28	35	38	42
25	34	34	42	47	42
26	35	56	35	35	38
27	35	62	29	24	38
28	35	77	33	23	38
29	35	80	38	32	38
30	35	87	36	41	38
31	35	.....	35	38	——
Mean	†32	49	55	60	41
Max.	35	87	87	94	49
Min.	25	3	28	22	29
A. F.	1339	2916	3388	3689	2479

Area reported, 6,137 acres
Water used, 13,811 A. F.
Per acre, 2.25 A. F.

CASTLE ROCK CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
0	59	100	77	73
0	57	90	80	70
0	56	82	82	63
0	73	83	83	58
0	69	84	84	60
0	65	83	83	62
0	77	85	81	66
0	71	81	81	69
0	96	83	86	66
0	98	88	88	66
0	100	87	87	63
0	92	88	88	67
0	93	84	84	70
0	86	89	89	70
0	85	88	86	70
50	98	85	85	69
50	84	82	82	69
50	82	83	83	61
50	89	85	85	55
50	95	74	74	59
53	85	68	68	61
53	65	78	78	61
53	66	75	84	61
53	82	73	81	62
53	108	72	93	62
53	109	72	84	62
53	103	73	73	66
53	111	75	69	68
53	116	75	69	66
53	111	75	64	64
53	.....	76	74	—.....
†52	86	81	81	64
53	111	100	89	73
50	56	68	64	55
1652	5120	4990	4980	3846

Area reported, 5,978 acres
Water used, 20,588 A. F.
Per acre, 3.44 A. F.

CENTRAL CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	32	43	31	36
2	0	15	60	58	14
3	0	32	60	41	20
4	0	25	61	23	16
5	0	25	41	41	15
6	0	42	44	54	19
7	0	44	21	63	19
8	0	44	33	35	14
9	0	44	28	26	22
10	15	44	63	31	17
11	5	58	34	22	21
12	0	52	25	58	23
13	0	45	29	55	21
14	0	44	35	41	19
15	0	41	21	51	11
16	0	63	13	32	12
17	0	12	10	27	22
18	0	17	8	35	11
19	0	55	28	64	13
20	0	60	13	52	14
21	0	32	34	37	11
22	2	32	33	35	7
23	21	41	33	32	6
24	11	21	41	45	8
25	30	25	34	63	9
26	28	63	34	63	9
27	15	0	37	34	10
28	26	2	41	37	5
29	32	33	41	34	5
30	52	38	41	54	12
31	37	.....	63	31	——
Mean	9	36	35	42	14
Max.	52	63	63	63	36
Min.	0	0	8	22	5
A. F.	543	2144	2185	2588	875

Area reported, 2,211 acres
Water used, 8,335 A. F.
Per acre, 3.77 A. F.
†Estimated

CHIMNEY ROCK CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
0	18	93	51	42
0	23	0	47	43
0	29	0	52	45
0	39	0	41	42
0	38	106	43	44
0	56	104	43	59
0	58	95	40	60
0	46	60	41	60
0	55	55	64	54
0	55	88	70	49
0	59	82	61	58
0	106	65	55	49
0	83	57	50	49
0	113	65	53	51
0	0	55	54	59
10	0	64	53	58
10	0	88	48	49
10	0	112	45	44
10	0	56	46	44
10	92	67	51	54
17	78	67	51	54
17	67	66	46	46
17	83	64	49	46
17	87	59	55	49
17	83	54	54	45
17	70	45	54	42
17	69	42	47	39
17	83	64	40	40
17	97	63	44	42
17	95	64	56	42
17	----	57	49	----
7	56	51	50	48
†17	113	112	70	60
10	0	0	40	39
470	3336	3882	3080	2892

Area reported, 5,634 acres
Water used, 13,660 A. F.
Per acre, 2.42 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

CLEAR CREEK CANAL
Diverted from Clear Creek

Date	May	June	July	Aug.	Sept.
1	*	0	0	3	0
2	.....	0	0	3	0
3	.....	0	4	0	0
4	.....	4	4	3	0
5	.....	4	2	5	0
6	.....	2	1	3	0
7	.....	1	2	0	0
8	.....	1	2	0	0
9	.....	1	2	4	0
10	.....	0	2	3	0
11	.....	0	1	3	0
12	.....	0	4	3	0
13	.....	0	3	0	0
14	.....	0	3	0	0
15	.....	0	3	0	0
16	.....	0	4	0	0
17	.....	0	4	0	0
18	.....	0	4	0	0
19	.....	0	3	0	0
20	.....	0	3	0	0
21	.....	0	4	0	0
22	.....	0	4	0	0
23	.....	0	3	0	0
24	.....	0	3	0	0
25	.....	0	3	0	0
26	.....	0	3	0	0
27	.....	0	3	0	0
28	.....	0	3	0	0
29	.....	0	0	0	0
30	.....	0	0	0	0
31	.....	—	0	0	—
Mean	.....	1	2	1	0
Max.	.....	4	4	5	0
Min.	.....	0	0	0	0
A. F.	.....	26	148	59	0

Area reported, 200 acres
Water used, 233 A. F.
Per acre, 1.16 A. F.

CODY-DILLON CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	35	26	12	2
2	0	38	22	16	2
3	0	40	24	19	2
4	0	43	24	18	0
5	0	40	23	17	9
6	0	36	26	17	19
7	0	30	26	17	18
8	0	27	26	19	18
9	0	21	33	21	19
10	0	19	33	12	18
11	0	34	28	4	19
12	0	33	27	19	20
13	0	36	21	34	20
14	0	9	21	31	20
15	0	6	16	29	20
16	0	2	29	24	20
17	0	21	31	19	20
18	0	19	27	26	20
19	0	38	32	34	19
20	0	26	40	20	19
21	0	16	40	7	19
22	0	17	39	12	19
23	0	12	39	17	18
24	0	13	40	17	18
25	0	13	39	26	21
26	42	14	39	35	24
27	42	12	40	44	24
28	42	9	42	23	24
29	42	28	30	3	24
30	42	27	19	3	25
31	42	.....	15	2	.....
Mean	8	23	29	19	17
Max.	42	43	42	44	25
Min.	0	2	15	3	0
A. F.	500	1416	1819	1184	1031

Area reported, 4,821 acres
Water used, 5,950 A. F.
Per acre, 1.23 A. F.

COURT HOUSE ROCK CANAL
Diverted from Pumpkinseed Creek

Date	May	June	July	Aug.	Sept.
1	0	16	0	12	11
2	0	16	0	12	11
3	0	15	0	12	11
4	0	14	0	12	11
5	0	14	11	12	11
6	0	14	11	12	11
7	0	13	11	12	11
8	0	13	11	12	11
9	0	13	11	12	11
10	0	13	11	12	11
11	0	14	11	12	11
12	0	14	11	13	11
13	0	13	11	14	11
14	0	14	11	12	11
15	0	14	11	12	11
16	25	14	11	12	11
17	25	11	11	12	11
18	25	11	11	12	11
19	25	11	11	13	11
20	25	11	11	13	11
21	22	11	11	12	11
22	22	11	11	12	11
23	22	11	11	11	11
24	22	11	11	11	11
25	22	12	11	12	11
26	22	12	10	12	11
27	22	16	11	12	11
28	22	0	11	12	11
29	22	0	11	12	11
30	22	0	11	11	11
31	22	—	12	11	—
Mean	†12	11	10	12	11
Max.	25	16	12	14	11
Min.	0	0	10	11	11
A. F.	728	698	589	740	654

Area reported, 1,150 acres
Water used, 3,409 A. F.
Per acre, 2.96 A. F.
*No record
†Estimated.

COZAD CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	36	28	73	140	90	108
2	36	22	80	176	76	113
3	35	22	95	159	88	115
4	48	23	83	149	77	122
5	0	25	91	156	85	128
6	0	27	103	137	86	141
7	0	27	147	98	84	155
8	0	61	154	142	94	155
9	0	64	165	129	94	152
10	0	66	184	108	88	140
11	0	70	182	102	90	119
12	38	21	148	129	94	119
13	68	47	156	121	95	116
14	71	43	142	130	95	125
15	73	41	49	127	101	60
16	88	38	23	139	93	0
17	93	36	17	132	94	0
18	119	20	0	139	99	0
19	153	20	0	138	101	0
20	119	20	0	135	101	0
21	158	17	0	123	101	0
22	167	18	161	126	113	0
23	176	22	188	133	119	0
24	183	8	192	123	110	0
25	179	18	190	89	109	0
26	165	27	124	67	111	0
27	143	33	103	74	113	0
28	107	69	95	61	103	0
29	74	66	134	89	107	0
30	90	101	203	79	107	0
31	113	.....	191	86	.....	0
Mean	82	36	112	120	96	60
Max.	183	101	203	176	119	155
Min.	0	8	0	61	85	0
A. F.	5004	2182	6888	7410	5788	3705

Area reported, 20,617 acres
Water used, 28,406 A. F.
Waste, 2,571
Per acre, 1.46 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

CULBERTSON CANAL

Diverted from Frenchman River

Date	Apr.	May	June	July	Aug.	Sept.
1	0	40	51	120	52	123
2	0	38	30	102	86	128
3	0	37	40	98	88	118
4	0	41	34	95	81	103
5	0	43	26	102	84	118
6	0	43	23	90	82	118
7	0	43	23	87	81	100
8	0	43	24	82	87	100
9	0	47	26	90	91	95
10	0	47	25	82	91	90
11	0	50	24	87	82	97
12	0	54	40	85	107	95
13	0	56	46	78	145	95
14	0	58	44	77	141	90
15	43	70	50	80	145	84
16	54	87	56	80	123	84
17	33	87	51	81	118	82
18	19	95	56	88	116	79
19	31	95	38	83	118	79
20	70	90	34	81	128	83
21	70	95	34	80	128	82
22	62	106	48	80	128	80
23	67	98	74	136	135	79
24	61	106	101	132	128	80
25	59	106	77	134	128	82
26	60	115	32	134	118	77
27	49	92	34	132	103	77
28	41	103	53	141	90	79
29	42	90	78	146	95	79
30	40	58	115	141	100	77
31	----	64	------	23	128	----
Mean	50	71	46	98	107	92
Max.	70	115	115	146	145	128
Min.	31	37	23	23	52	77
A. F.	1587	4358	2751	6044	6599	5460

Area reported, 9,460 acres
Water used, 26,880 A. F.
Per acre, 2.83 A. F.

DAWSON COUNTY CANAL

Diverted from Platte River

Date	May	June	July	Aug.	Sept.
1	70	41	178	360	405
2	70	29	203	304	392
3	70	18	210	250	370
4	70	50	173	218	348
5	70	82	144	264	326
6	100	118	158	320	324
7	100	119	173	376	336
8	100	130	162	242	328
9	100	155	119	188	270
10	100	136	143	204	280
11	140	137	153	229	296
12	143	131	173	254	310
13	129	141	193	162	300
14	123	126	185	122	294
15	116	129	152	213	290
16	105	119	155	324	284
17	121	99	146	300	286
18	127	104	250	290	280
19	101	106	320	280	240
20	101	103	230	250	220
21	91	99	320	178	220
22	87	96	405	155	210
23	103	114	458	119	210
24	146	113	475	162	202
25	232	112	392	224	197
26	211	113	300	202	193
27	230	111	262	170	185
28	246	83	300	220	185
29	202	118	350	360	188
30	184	177	455	405	162
31	92	------	374	405	------
Mean	125	106	248	250	271
Max.	246	177	475	405	405
Min.	70	18	119	119	162
A. F.	7696	6365	15295	15372	16126

Area reported, 89,699 acres
Water used, 68,764 A. F.
Per acre, 0.77 A. F.

DAWSON COUNTY CANAL

Diverted from Cozad Canal Waste

May	June	July	Aug.	Sept.
*	0	14	13	30
------	0	7	18	22
------	0	21	19	14
------	0	28	20	10
------	0	20	16	6
------	0	8	12	8
------	0	25	17	10
------	0	18	22	11
------	0	17	16	13
------	0	12	11	12
------	0	43	21	11
------	0	37	31	13
------	0	9	27	15
------	0	25	23	12
------	0	3	13	10
------	0	0	3	12
------	0	0	4	15
------	0	0	5	15
------	0	0	12	15
------	0	0	20	14
------	0	0	17	14
------	6	0	15	12
------	6	0	19	10
------	14	0	24	16
------	7	20	16	22
------	4	0	8	19
------	6	0	7	16
------	10	0	7	9
------	31	0	18	5
------	5	0	31	5
------	----	0	30	----
------	2	10	16	13
------	31	43	31	30
------	0	0	3	5
------	176	609	1021	765

Water used, 2,571 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

ELM CREEK CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	0	38	20	15
2	0	0	0	38	21	15
3	0	0	0	38	22	15
4	0	0	0	38	25	15
5	0	5	0	42	29	15
6	0	3	0	45	25	15
7	0	0	0	49	22	15
8	0	0	0	53	22	15
9	0	0	0	43	21	15
10	0	0	0	33	28	15
11	15	0	0	30	36	10
12	15	0	0	28	33	10
13	15	0	0	23	31	10
14	15	0	0	18	31	10
15	15	0	0	19	31	10
16	32	0	0	20	30	10
17	32	0	0	26	27	10
18	32	0	17	32	27	10
19	32	0	19	29	27	10
20	32	0	19	26	26	10
21	32	0	19	25	25	10
22	32	0	21	23	22	10
23	32	0	24	20	20	10
24	32	0	12	18	18	10
25	32	0	0	18	16	10
26	19	0	11	17	16	10
27	19	0	23	18	17	10
28	19	0	25	19	15	10
29	19	0	26	20	13	10
30	19	0	40	22	13	10
31	0	....	55	21	....	10
Mean	16	1	10	29	23	12
Max.	32	5	55	53	36	15
Min.	0	0	0	17	13	10
A. F.	972	16	617	1763	1406	714

Area reported, 16,000 acres
Water used, 5,488 A. F.
Per acre, 0.34 A. F.

EMPIRE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	0	11	3	3
2	0	0	11	3	3
3	0	0	8	3	3
4	0	0	5	3	3
5	0	0	7	3	3
6	0	0	10	2	3
7	0	10	10	2	3
8	0	10	14	3	3
9	0	11	10	3	3
10	0	11	14	3	3
11	0	11	14	3	3
12	0	16	14	3	6
13	0	12	14	3	3
14	0	10	14	3	3
15	0	5	13	3	3
16	0	0	13	3	3
17	0	3	14	3	6
18	0	3	12	3	4
19	0	4	10	3	3
20	0	5	8	0	3
21	0	5	7	0	3
22	0	0	10	0	3
23	0	7	13	0	3
24	0	7	13	0	3
25	0	8	13	0	3
26	0	9	14	0	2
27	0	9	16	0	0
28	0	9	13	0	0
29	0	9	14	0	0
30	0	10	13	6	0
31	0	—	13	6	—
Mean	0	6	12	2	3
Max.	0	16	16	6	6
Min.	0	0	5	0	0
A. F.	0	365	725	133	167

Area reported, 1,784 acres
Water used, 1,390 A. F.
Per acre, 0.78 A. F.

ENTERPRISE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	61	70	79	51
2	0	64	76	68	54
3	0	52	70	57	63
4	0	62	70	72	57
5	0	61	65	76	60
6	20	63	66	72	57
7	20	66	63	73	60
8	20	68	59	74	39
9	20	90	70	75	36
10	20	91	75	74	34
11	20	79	76	74	37
12	20	77	86	75	37
13	20	68	86	75	35
14	20	61	83	72	33
15	20	63	71	74	33
16	34	61	75	76	67
17	34	53	75	73	61
18	34	56	76	72	55
19	34	55	77	71	52
20	34	50	78	70	53
21	53	47	74	69	59
22	53	43	70	69	66
23	53	46	69	74	60
24	53	58	72	70	54
25	53	65	73	67	55
26	57	68	74	70	56
27	57	90	72	74	56
28	57	74	72	63	56
29	57	49	71	52	56
30	57	70	78	54	56
31	57	....	78	54	....
Mean	†31	63	73	70	51
Max.	57	91	86	79	67
Min.	0	43	59	52	33
A. F.	1938	3790	4502	4300	3070

Total, 17,600 A. F.
Area reported, 8,085 acres
Water used, 25,678 A. F.
Per acre, 3.18 A. F.
†Estimated

ENTERPRISE CANAL
Diverted from Stewarts Drain

Date	May	June	July	Aug.	Sept.
1	0	1	1	3	2
2	0	1	1	3	2
3	0	1	1	3	2
4	0	1	1	3	2
5	0	1	1	3	2
6	1	1	1	3	2
7	1	1	1	3	2
8	1	1	1	3	2
9	1	1	1	3	2
10	1	1	1	3	2
11	1	1	1	3	2
12	1	1	1	3	2
13	1	1	1	3	2
14	1	1	1	3	2
15	1	0	1	3	2
16	1	0	2	3	2
17	1	0	2	3	2
18	1	0	2	3	2
19	1	0	2	3	2
20	1	0	2	3	2
21	1	0	2	3	2
22	1	0	2	3	2
23	1	0	2	3	2
24	1	0	2	3	2
25	1	0	2	3	2
26	1	0	2	3	2
27	1	0	2	3	2
28	1	0	2	3	2
29	1	0	2	3	2
30	1	0	2	3	2
31	1	....	2	3	—
Mean	1	1	1	3	2
Max.	1	1	2	3	2
Min.	1	0	1	3	2
A. F.	51	28	93	184	119

Total, 475 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

ENTERPRISE CANAL
Diverted from Dry Spotted Tail Creek

Date	May	June	July	Aug.	Sept.
1	0	0	5	0	0
2	0	0	11	0	0
3	0	0	5	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	5	0	0	0	0
22	5	0	0	0	0
23	5	0	0	0	0
24	5	0	0	0	0
25	5	0	0	0	0
26	5	0	0	0	0
27	5	0	0	0	0
28	5	0	0	0	0
29	5	0	0	0	0
30	5	0	0	0	0
31	5	—	0	0	—
Mean	2	0	1	0	0
Max.	5	0	11	0	0
Min.	0	0	0	0	0
A. F.	109	0	42	0	0

Total, 151 A. F.

ENTERPRISE CANAL
Diverted from Morrill Drain

May	June	July	Aug.	Sept.
0	0.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.3	2	3	4
0	.5	2	3	4
0	.5	2	4	4
0	.5	2	4	4
0	.5	2	4	4
0	.5	2	4	4
0	.5	2	4	4
0	.5	2	4	4
0	.5	2	4	4
0	.5	2	4	4
0	.5	2	4	4
0	.5	2	4	4
0	.5	2	4	4
0	.5	2	4	4
0	.....	2	4	—
0	0.4	2	4	4
0	.5	2	3	4
0	.3	2	4	4
0	24	123	216	238

Total, 601 A. F.

ENTERPRISE CANAL
Diverted from Wet Spotted Tail Creek

Date	May	June	July	Aug.	Sept.
1	0	8	10	11	13
2	0	8	10	11	13
3	0	8	10	11	13
4	0	8	10	11	13
5	0	8	10	11	13
6	6	8	10	11	13
7	6	8	10	11	13
8	6	8	10	11	13
9	6	8	10	11	13
10	6	8	10	11	13
11	6	16	11	12	13
12	6	16	11	12	13
13	6	16	11	12	13
14	6	16	11	12	13
15	6	16	11	12	13
16	6	16	11	12	13
17	6	16	11	12	13
18	6	16	11	12	13
19	6	16	11	12	13
20	6	16	11	12	13
21	6	9	12	13	13
22	6	9	12	13	13
23	6	9	12	13	13
24	6	9	12	13	13
25	6	9	12	13	13
26	6	9	12	13	13
27	6	9	12	13	13
28	6	9	12	13	13
29	6	9	12	13	13
30	6	9	12	13	13
31	6	—	12	13	—
Mean	6	11	11	12	13
Max.	6	16	12	13	13
Min.	0	8	10	11	13
A. F.	309	655	678	740	799

Total, 3,181 A. F.

ENTERPRISE CANAL
Diverted from Tub Springs

May	June	July	Aug.	Sept.
0	24	47	2	2
0	20	41	13	13
0	15	8	20	0
0	11	10	20	0
0	14	9	20	0
0	16	18	20	0
0	16	17	20	0
0	19	17	19	17
0	22	17	19	24
0	23	16	20	21
0	19	15	20	6
0	0	20	21	0
0	0	22	21	0
0	9	16	10	7
0	11	17	1	11
0	0	11	12	14
0	18	4	22	7
0	9	0	22	0
0	0	1	22	14
0	0	10	21	29
0	0	15	21	15
0	0	22	21	20
0	39	22	21	14
0	37	22	19	8
0	48	21	19	3
0	50	21	17	0
0	48	21	17	0
0	45	20	9	0
0	44	18	0	0
0	33	18	0	0
0	....	10	0	....
0	19	17	16	7
0	50	47	21	29
0	0	0	0	0
0	1170	1043	1011	446

Total, 3,670 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

GERING CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	262	216	142	150
2	0	257	217	144	147
3	0	254	222	145	151
4	0	255	214	140	152
5	0	194	209	144	150
6	0	188	210	143	145
7	0	192	213	147	144
8	0	220	213	0	142
9	0	220	209	0	142
10	0	194	212	38	147
11	0	190	214	145	152
12	0	192	202	138	147
13	0	183	198	149	111
14	0	185	183	148	145
15	0	219	139	136	104
16	0	234	33	127	137
17	0	228	159	130	138
18	0	219	159	140	53
19	0	220	0	42	0
20	0	228	0	149	0
21	25	232	144	140	0
22	50	226	144	142	89
23	150	222	149	145	86
24	202	230	149	142	90
25	202	214	109	147	84
26	200	214	0	155	94
27	200	210	149	150	96
28	200	211	56	147	0
29	200	214	149	144	0
30	200	215	44	149	0
31	200	.....	82	149	—
Mean	166	217	176	144	122
Max.	200	262	222	155	152
Min.	0	183	0	0	0
A. F.	3628	12936	10824	8866	7263

Area reported, 14,204
Water used, 43,517
Per acre, 3.06

GOTHENBURG DIVERSION CANAL
Diverted from Platte River

Apr.	May	June	July	Aug.	Sept.
100	350	174	249	342	265
100	335	184	252	335	282
100	314	211	271	338	272
100	321	207	226	338	272
100	321	184	258	328	272
100	314	227	258	308	288
100	308	226	271	342	265
100	300	220	288	336	295
100	300	227	310	350	295
100	300	226	310	328	295
155	308	214	332	301	265
155	295	216	342	304	301
155	288	220	335	299	308
170	288	229	321	310	226
185	282	178	314	295	265
180	264	184	301	295	282
180	257	214	335	308	265
180	250	208	232	295	282
180	250	202	226	265	282
180	250	196	249	258	282
200	270	196	233	265	282
250	292	196	325	265	288
200	308	190	328	282	272
380	308	190	305	271	272
380	240	208	320	271	282
365	172	219	335	265	282
357	226	195	335	282	310
365	232	173	342	241	305
350	239	235	335	265	314
265	243	248	342	275	331
.....	256	.....	282	283	.....
201	279	206	295	300	264
365	350	248	342	350	331
100	172	173	226	241	226
12375	17219	12291	18173	18526	15775

Water used, 94,359

GRAF CANAL
Diverted from Blue Creek

Date	May	June	July	Aug.	Sept.
1	0	17	13	28	23
2	0	14	11	27	27
3	0	21	12	21	21
4	0	21	18	24	20
5	0	17	15	25	20
6	0	17	15	32	14
7	0	18	17	37	14
8	0	28	19	24	13
9	0	19	24	34	13
10	0	24	24	27	13
11	0	33	24	21	19
12	0	0	25	21	18
13	0	5	25	0	16
14	0	5	26	0	16
15	0	14	29	13	16
16	6	13	30	11	19
17	6	0	33	8	19
18	6	0	27	15	18
19	6	0	26	23	17
20	6	0	27	19	17
21	25	0	22	18	17
22	25	0	27	20	20
23	25	0	31	13	23
24	25	0	24	20	21
25	25	18	27	26	20
26	20	8	27	28	20
27	20	13	24	2	21
28	20	11	23	0	21
29	20	8	27	19	21
30	20	3	21	18	21
31	20	—	27	26	—
Mean	9	11	23	19	15
Max.	25	33	33	37	27
Min.	0	0	11	0	13
A. F.	545	648	1428	1190	1107

Area reported, 2,190 acres
Water used, 4,919 A. F.
Per acre, 2.24 A. F.

HANEY CANAL
Diverted from Lonergan Creek

May	June	July	Aug.	Sept.
2	5	3	15	4
2	5	3	7	4
2	5	5	2	4
2	5	5	4	5
2	5	5	7	5
2	7	6	6	5
2	7	6	7	5
2	7	7	6	6
2	7	8	5	6
2	7	8	5	6
2	7	8	6	7
2	4	8	6	7
2	4	8	7	7
2	8	8	7	7
2	0	9	8	8
2	0	6	8	9
2	4	8	9	9
2	4	8	9	10
2	7	6	11	10
2	0	5	11	10
2	0	5	11	6
2	4	5	11	2
2	4	6	12	5
2	3	6	12	11
2	3	6	12	11
2	3	7	12	11
2	3	7	12	11
2	5	7	9	12
2	3	5	6	12
2	3	4	3	12
2	—	9	3	—
2	4	6	8	7
2	8	9	15	12
2	0	3	2	4
123	256	390	494	450

Area reported, 500 acres
Water used, 1,713 A. F.
Per acre, 3.42 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

HANNAH CANAL

Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	*	0	2	0	1
2	.....	0	2	0	1
3	.....	0	3	0	1
4	.....	0	3	0	1
5	.....	0	3	0	1
6	.....	0	3	0	1
7	.....	0	3	0	1
8	.....	0	0	0	1
9	.....	0	0	0	1
10	.....	0	0	0	1
11	.....	0	0	0	1
12	.....	3	0	0	1
13	.....	3	0	0	1
14	.....	3	0	0	1
15	.....	0	0	0	1
16	.....	0	0	1	1
17	.....	0	0	1	0
18	.....	0	0	1	0
19	.....	0	0	1	0
20	.....	0	0	1	0
21	.....	0	0	1	0
22	.....	0	0	1	0
23	.....	0	0	1	0
24	.....	0	0	1	0
25	.....	0	0	1	0
26	.....	0	0	1	0
27	.....	0	0	1	0
28	.....	0	0	1	0
29	.....	1	0	1	0
30	.....	2	0	1	0
31	.....	....	0	1	....
Mean	.....	†0.4	†0.6	†0.5	†0.5
Max.	.....	3.0	3.0	1.0	1.0
Min.	.....	.0	.0	.0	.0
A. F.	.....	24.0	37.0	32.0	32.0

Area reported, 206 acres
Water used, 125 A. F.
Per acre 0.61 A. F.

HARRIS-COOPER CANAL

Diverted from White River

Date	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	0.2	*
2	.....	.....	.....	.....	.2	.....
3	.....	.....	.....	.....	.2	.....
4	.....	.....	.....	.....	.7	.....
5	.....	.....	.....	1.1	.7	.....
6	.....	.....	.....	1.1	.7	.....
7	.....	.....	.....	1.1	.7	.....
8	.....	.....	.....	.2	.7	.....
9	.....	.....	.....	.2	.7	.....
10	.....	.....	.....	.2	.7	.....
11	.....	.....	.....	.2	.7	.....
12	0.4	.....	.....	.2	.7	.....
13	.4	.....	.....	.1	.7	.....
14	.4	.....	.....	1.1	.7	.....
15	.4	.....	.....	1.1	.7	.....
16	.4	.....	.....	1.1	.7	.....
17	.4	.....	.....	1.7	.7	.....
18	.7	.....	.....	1.7	.5	.....
19	.7	.....	.....	1.7	.6	.....
20	.7	.....	.....	1.7	.6	.....
21	2.4	.....	.....	1.7	.....	.....
22	2.4	.....	.....	1.7	.....	.....
23	2.4	.....	.....	1.7	.....	.....
24	2.4	.....	.....	1.7	.....	.....
25	.6	.....	.....	1.7	.....	.....
26	.6	.....	.....	.3	.....	.....
27	.6	.....	.....	.8	.....	.....
28	*	.....	.....	1.4	.....	.....
29	.....	.....	.....	.2	.....	.....
30	.....	.....	.....	.2	.....	.....
31	.....	.....	.....	.....	.....	.....
Mean	0.5	.....	.....	0.9	0.4	.....
Max.	2.4	.....	.....	1.7	.7	.....
Min.	.4	.....	.....	.2	.2	.....
A. F.	32.0	.....	.....	54.0	24.0	.....

HOLLINGSWORTH CANAL

Diverted from South Platte River

Date	May	June	July	Aug.	Sept.
1	7	3	0	0	4
2	7	6	0	4	4
3	7	9	0	8	4
4	7	13	0	7	4
5	7	4	0	6	4
6	12	4	0	6	3
7	12	4	0	6	3
8	12	4	0	5	5
9	12	4	0	5	7
10	12	7	5	4	8
11	9	3	5	4	8
12	9	3	5	4	8
13	9	3	5	5	7
14	9	3	5	5	6
15	9	3	5	6	6
16	4	3	6	4	6
17	4	4	6	3	6
18	4	5	5	4	6
19	4	8	5	6	6
20	0	4	4	5	5
21	0	3	4	5	5
22	0	3	5	4	6
23	0	3	6	3	7
24	0	3	8	3	8
25	0	4	5	3	8
26	0	0	3	5	8
27	0	0	4	7	8
28	12	0	5	6	8
29	12	0	6	5	0
30	13	0	8	4	10
31	8	—	4	4	—
Mean	6	4	4	5	6
Max.	13	13	8	8	10
Min.	0	0	0	0	0
A. F.	398	232	226	289	353

Area reported, 362 acres
Water used, 1,498 A. F.
Per acre, 4.13 A. F.
*No record
†Estimated

HOLLOWAY-PHELPS CANAL

Diverted from White Tail Creek

Date	May	June	July	Aug.	Sept.
1	0	2	0	1	0
2	0	2	0	1	0
3	0	2	0	1	0
4	0	2	1	1	0
5	0	2	1	1	0
6	0	2	1	0	0
7	0	2	1	1	0
8	0	2	1	1	0
9	0	2	1	0	0
10	0	1	1	2	0
11	0	0	1	4	0
12	0	0	1	4	0
13	0	0	1	4	0
14	0	0	1	2	0
15	0	0	1	0	0
16	0	0	1	0	0
17	0	0	1	0	0
18	0	0	1	0	0
19	0	0	1	0	0
20	0	0	1	0	0
21	0	0	1	0	0
22	0	0	1	0	0
23	0	0	1	0	0
24	0	0	1	0	0
25	0	0	1	4	0
26	0	0	1	0	0
27	0	0	1	0	0
28	0	0	1	0	0
29	0	0	1	0	0
30	0	0	1	0	0
31	0	....	1	0	....
Mean	0	1	1	1	0
Max.	0	2	1	4	0
Min.	0	0	0	0	0
A. F.	0	38	56	54	0

Area reported, 270 acres
Water used, 148 A. F.
Per acre, 0.55 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

HOOPER CANAL
Diverted from Blue Creek

Date	May	June	July	Aug.	Sept.
1	0	17	13	13	19
2	0	19	13	13	18
3	0	13	14	13	18
4	0	15	14	13	13
5	0	13	15	13	13
6	0	17	16	13	13
7	0	13	15	13	13
8	0	15	14	14	13
9	0	16	12	12	13
10	0	16	11	11	14
11	0	11	13	10	13
12	0	22	14	10	13
13	0	2	14	1	13
14	13	5	14	3	13
15	13	7	15	10	13
16	13	6	13	7	11
17	13	6	13	8	13
18	1	10	13	9	13
19	0	4	11	8	13
20	2	3	9	5	13
21	4	1	11	5	13
22	8	1	16	10	13
23	16	1	13	14	14
24	18	2	13	15	13
25	18	4	13	14	14
26	17	4	11	16	14
27	17	2	13	7	14
28	17	13	13	11	15
29	17	16	17	11	16
30	17	16	17	11	16
31	17	....	16	14	....
Mean	7	9	13	10	13
Max.	18	19	16	16	19
Min.	0	1	9	1	11
A. F.	438	575	831	649	807

Area reported, 877 acres
Water used, 3,300 A. F.
Per acre, 3.76 A. F.

KEARNEY CANAL
Diverted from Platte River

May	June	July	Aug.	Sept.
360	388	541	509	95
360	392	451	375	92
360	396	523	351	90
360	345	314	356	90
360	295	420	215	90
350	280	526	151	85
350	310	364	149	73
350	325	364	150	63
350	348	257	264	53
350	302	167	177	59
332	372	129	141	65
340	441	53	130	71
340	135	55	130	77
325	388	57	142	91
317	405	36	141	106
405	396	19	134	110
364	408	13	125	115
380	295	12	123	110
449	396	17	123	104
396	380	27	122	110
325	348	38	101	115
229	466	22	96	110
154	415	19	94	106
112	413	85	86	117
205	417	95	76	129
298	483	151	72	234
302	534	86	71	340
275	506	22	65	326
262	472	22	55	385
250	405	53	45	385
607	——	325	70	——
330	381	170	156	133
607	534	541	509	385
112	135	12	45	53
20260	22720	10440	9600	7930

Area reported, 6,360 acres
Water used, †8,500 A F.
Per acre, 1.33 A. F.

KEITH-LINCOLN CO. CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	40	91	81	156	82
2	40	94	81	94	77
3	40	97	128	85	77
4	40	102	113	91	85
5	40	92	106	93	86
6	53	82	124	93	86
7	53	76	139	113	78
8	53	71	91	93	78
9	53	92	101	84	71
10	53	104	93	89	60
11	53	86	75	89	70
12	53	78	93	45	85
13	53	78	104	2	78
14	53	67	122	73	87
15	53	94	95	73	95
16	54	131	118	77	100
17	54	131	80	70	100
18	54	113	104	80	73
19	54	126	98	82	69
20	54	140	95	84	65
21	62	38	94	88	65
22	62	122	93	77	65
23	62	114	89	82	62
24	62	109	86	82	59
25	62	102	130	91	60
26	62	20	153	88	60
27	62	23	71	95	53
28	62	56	124	92	47
29	62	56	128	89	71
30	62	103	150	86	95
31	62	.....	150	89	....
Mean	54	89	97	82	74
Max.	62	140	153	156	100
Min.	40	20	71	2	47
A. F.	3336	5332	6563	5206	4441

Area reported, 6,300 acres
Water used, 24,878 A. F.
Per acre, 3.94 A. F.
*No record
†Estimated

KENT-BURKE CANAL
Diverted from Pawnee Creek

May	June	July	Aug.	Sept.
*	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	2	1
.....	——	1	2	——
.....	0	1	1	1
.....	0	1	2	1
.....	0	0	1	1
.....	0	42	66	60

Area reported, 560 acres
Water used, 168 A. F.
Per acre, 0.30 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

KEYSTONE CANAL

Diverted from White Tail Creek

Date	May	June	July	Aug.	Sept.
1	0	9	0	4	4
2	0	9	0	4	4
3	0	9	0	4	4
4	0	8	0	4	4
5	0	7	0	4	4
6	0	7	0	4	4
7	0	7	0	4	4
8	0	7	0	4	3
9	0	7	0	3	3
10	0	7	0	3	3
11	0	6	0	3	3
12	0	6	0	3	3
13	0	6	0	4	4
14	0	6	3	4	4
15	0	6	6	4	4
16	9	6	6	4	4
17	9	6	6	4	4
18	9	6	6	4	3
19	9	6	6	4	3
20	9	0	6	4	4
21	9	0	6	4	4
22	10	0	6	4	4
23	10	0	6	4	4
24	10	0	6	4	4
25	10	0	6	4	4
26	10	0	6	4	4
27	10	0	6	4	4
28	10	0	6	4	4
29	10	0	6	5	4
30	10	0	6	5	4
31	10	—	6	5	—
Mean	5	4	3	4	4
Max.	10	9	6	5	4
Min.	0	0	0	3	3
A. F.	305	260	208	244	224

Area reported, 2,475 acres
Water used, 1,241 A. F.
Per acre, 0.50 A. F.

LAST CHANCE CANAL

Diverted from Pumpkinseed Creek

May	June	July	Aug.	Sept.
4	4	0	10	1
4	4	0	4	1
4	4	0	4	1
4	4	0	4	1
4	4	0	4	1
6	4	0	3	4
6	4	2	1	8
6	1	2	0	6
6	7	4	0	4
6	6	5	0	4
0	3	4	0	4
0	3	1	0	4
0	1	6	0	4
0	1	6	4	3
0	1	5	4	3
4	0	1	4	4
3	0	1	5	4
2	0	1	7	6
2	0	1	7	6
3	0	1	7	6
2	0	1	7	6
2	0	1	8	6
2	0	1	7	6
5	0	1	7	6
8	0	1	8	7
1	0	0	8	7
1	0	2	8	7
1	0	3	4	4
5	0	10	2	3
8	0	10	3	3
4	—	10	3	....
3	2	3	4	4
8	7	10	10	8
0	0	0	0	0
204	101	159	264	258

Area reported, 451 acres
Water used, 986 A. F.
Per acre, 2.18 A. F.

LISCO CANAL

Diverted from North Platte River

Date	Apr.	May	June	July	Aug.	Sept.
1	0	0	39	0	56	34
2	0	0	36	0	66	34
3	0	0	44	0	69	30
4	0	0	57	0	73	31
5	0	0	62	43	57	34
6	0	0	48	57	56	34
7	0	0	47	56	50	31
8	0	0	51	37	48	30
9	0	0	54	40	51	30
10	0	0	41	54	50	29
11	0	0	37	57	41	27
12	0	17	22	60	40	26
13	0	17	36	50	35	27
14	0	15	26	27	26	27
15	0	8	15	26	25	27
16	22	20	11	27	24	22
17	22	16	21	25	23	22
18	22	19	27	27	24	22
19	22	25	23	25	51	25
20	22	22	12	26	62	29
21	30	29	20	25	56	26
22	34	24	26	26	54	24
23	6	31	25	17	9	19
24	6	34	40	0	47	17
25	6	34	53	0	54	22
26	0	43	44	0	57	24
27	0	41	54	0	0	19
28	0	44	72	0	0	19
29	0	43	90	7	0	19
30	0	55	95	29	0	22
31	—	45	—	29	29	....
Mean	6	19	41	25	56	26
Max.	34	55	95	60	73	34
Min.	0	0	11	0	0	17
A. F.	381	1154	2436	1527	3465	1551

Area reported, 2,936 acres
Water used, 11,794 A. F.
Per acre, 4.00 A. F.
*No record

LOGAN CANAL

Diverted from North Platte River

May	June	July	Aug.	Sept.
*	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	0	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	1
.....	0	1	1	....
.....	0	1	1	1
.....	0	1	1	1
.....	0	0	1	1
.....	0	46	62	60

Area reported, 160 acres
Water used, 168 A. F.
Per acre, 105 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

LYONS CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	21	19	14	12
2	0	28	20	14	12
3	0	24	20	14	12
4	0	19	20	14	13
5	0	17	24	14	14
6	0	12	19	12	15
7	0	13	23	12	16
8	0	12	20	13	14
9	0	21	21	10	13
10	0	24	22	7	12
11	0	21	20	7	12
12	0	18	18	8	12
13	0	16	19	4	12
14	0	16	20	4	12
15	0	16	18	4	12
16	0	15	18	9	12
17	0	18	15	9	13
18	0	18	14	9	13
19	0	18	19	9	13
20	0	19	19	9	13
21	0	19	19	11	18
22	0	19	20	14	14
23	0	19	18	13	13
24	0	17	13	13	12
25	16	16	13	13	10
26	20	16	13	13	10
27	23	22	15	12	12
28	25	19	22	12	11
29	26	19	22	12	11
30	24	23	15	12	11
31	23	—	13	12	—
Mean	5	18	18	11	12
Max.	26	28	24	14	16
Min.	0	12	13	4	10
A. F.	311	1097	1134	660	752

Area reported, 2,264 acres
Water used, 3,954 A. F.
Per acre, 1.50 A. F.

MEEKER CANAL
Diverted from Republican River

Apr.	May	June	July	Aug.	Sept.
0	25	17	36	23	43
0	17	16	39	24	23
0	24	15	46	23	23
0	20	15	40	19	23
0	20	16	39	21	23
0	28	22	41	20	25
0	23	24	50	24	25
0	23	23	47	21	21
0	22	18	44	18	17
0	28	13	42	18	19
0	24	13	27	28	19
0	26	19	26	28	23
0	30	15	38	26	21
0	29	17	34	25	20
0	22	18	33	30	18
25	24	15	35	41	16
25	28	16	35	25	14
25	26	20	28	36	14
25	25	30	28	36	17
25	23	15	25	26	17
25	27	21	26	26	17
30	23	20	34	23	17
40	22	19	18	21	18
30	26	27	23	21	18
38	32	27	31	30	18
32	20	26	34	32	19
33	16	30	28	28	19
32	15	34	26	30	16
31	12	32	37	30	17
30	14	33	27	25	17
—	16	—	12	25	—
14	23	21	33	26	19
40	32	34	50	41	25
0	12	13	12	18	14
885	1408	1242	2041	1593	1144

Area reported, 2,830 acres
Water used, 8,313 A. F.
Per acre, 2.94 A. F.

MEREDITH-AMMER CANAL
Diverted from Pumpkinseed Creek

Date	Apr.	May	June	July	Aug.	Sept.
1	3	5	5	8	2	11
2	3	5	5	9	2	12
3	3	5	5	9	11	13
4	3	5	5	8	11	12
5	3	5	5	8	11	11
6	3	6	4	8	10	13
7	3	6	4	6	8	13
8	3	5	4	6	8	13
9	3	5	5	6	8	14
10	3	5	5	7	6	13
11	3	5	6	11	6	11
12	3	5	6	11	5	11
13	3	5	6	12	5	13
14	3	4	6	12	5	13
15	3	4	6	9	5	12
16	4	4	2	0	5	11
17	4	4	1	0	5	11
18	4	5	6	0	5	11
19	5	5	7	0	5	11
20	5	5	6	0	8	11
21	5	5	6	4	8	12
22	4	5	6	9	7	12
23	4	5	6	10	8	12
24	3	6	6	11	10	12
25	2	6	6	9	15	12
26	3	6	7	8	13	11
27	3	6	7	8	13	12
28	3	6	7	12	11	13
29	3	6	7	16	11	12
30	4	6	8	17	11	12
31	—	6	—	14	13	—
Mean	3	5	5	8	8	12
Max.	5	6	7	17	15	14
Min.	0	4	1	0	2	11
A. F.	200	319	327	492	498	714

Area reported, 981 acres
Water used, 2,550 A. F.
Per acre, 2.60 A. F.

MIDLAND-OVERLAND CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
0	17	0	19	6
0	17	13	19	6
0	17	11	19	6
0	17	8	19	5
0	17	31	24	5
0	12	32	29	4
0	8	31	11	4
0	6	18	11	4
0	4	19	9	3
0	3	30	8	7
0	8	29	16	8
0	1	30	16	9
0	1	30	6	10
0	3	30	6	7
0	4	30	5	4
0	3	30	5	4
0	4	30	4	4
0	3	27	4	3
0	1	24	4	3
0	1	24	5	4
0	1	25	5	6
0	1	28	5	6
0	1	28	5	6
0	0	28	5	6
0	0	28	4	6
8	1	24	4	7
8	1	31	6	9
8	1	31	6	10
8	1	32	6	11
8	1	32	6	11
8	—	32	6	—
1	5	26	9	6
8	17	32	29	11
0	0	0	4	3
96	307	1579	589	365

Area reported, 1,944 acres
Water used, 3,509 A. F.
Per acre 1.80 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

MIDLAND-OVERLAND CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	0	9	3	0
2	0	0	9	3	0
3	0	0	9	3	0
4	0	0	9	3	0
5	0	0	9	3	0
6	0	5	9	2	0
7	0	5	9	2	0
8	0	5	9	2	0
9	0	5	9	2	0
10	0	5	9	2	0
11	0	5	4	2	0
12	0	5	4	2	0
13	0	5	4	2	0
14	0	5	4	2	0
15	0	5	4	2	0
16	0	5	4	0	0
17	0	5	4	0	0
18	0	5	4	0	0
19	0	5	4	0	0
20	0	5	4	0	0
21	0	0	3	0	0
22	0	0	3	0	0
23	0	0	3	0	0
24	0	0	3	0	0
25	0	0	3	0	0
26	0	0	3	3	0
27	0	0	3	3	0
28	0	0	3	3	0
29	0	0	3	3	0
30	0	0	3	3	0
31	0	....	3	3	—
Mean	0	3	5	2	0
Max.	0	5	9	3	0
Min.	0	0	3	0	0
A. F.	0	149	319	105	0

Water used, 573 A. F. exclusive of lateral above rating flume.

MINATARE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
0	61	113	75	92
0	64	113	75	54
0	67	118	75	51
0	79	118	76	45
0	86	112	77	44
0	79	102	79	44
0	76	100	81	45
0	66	118	87	47
0	63	97	93	76
0	68	98	95	75
1	79	98	98	74
1	89	100	92	74
1	74	105	86	75
1	71	112	76	77
1	70	100	67	73
1	81	102	60	70
1	76	98	54	65
1	75	94	54	61
1	76	92	54	51
1	80	90	53	42
31	80	88	52	43
31	82	86	56	50
31	74	93	61	77
31	83	101	71	40
31	78	96	82	46
31	76	91	67	52
31	91	88	52	51
31	104	86	55	51
31	109	86	59	51
31	109	87	63	51
31	....	81	67	....
11	78	99	71	58
31	109	118	98	92
0	61	81	52	40
696	4693	6075	4348	3465

Area reported, 9,302 acres
Water used, 19,277 A. F.
Per acre, 2.06 A. F.

MUTUAL CANAL
Diverted from Pumpkinseed Creek

Date	May	June	July	Aug.	Sept.
1	3	5	5	3	3
2	3	5	5	3	3
3	3	5	5	3	3
4	3	5	5	3	3
5	3	5	5	3	3
6	3	5	5	3	3
7	3	5	5	3	3
8	3	5	5	3	3
9	3	5	5	3	3
10	3	5	5	3	3
11	3	5	5	5	3
12	3	5	5	5	3
13	3	5	5	5	3
14	3	5	5	5	3
15	3	5	5	5	3
16	3	3	5	5	3
17	3	3	5	5	3
18	3	3	5	5	3
19	3	3	5	5	3
20	3	3	5	5	3
21	3	3	5	5	3
22	3	3	5	5	3
23	3	3	5	5	3
24	3	3	5	5	3
25	3	3	5	5	3
26	3	3	5	5	3
27	3	3	5	5	3
28	3	3	5	5	3
29	3	3	5	5	3
30	3	3	5	5	3
31	3	—	5	5	....
Mean	3	4	5	4	3
Max.	3	5	5	5	3
Min.	3	3	5	3	3
A. F.	184	238	307	268	178

Area reported, 455 acres
Water used, 1,175 A. F.
Per acre, 2.58 A. F.

NINE MILE CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
10	28	68	59	57
10	29	66	59	56
10	30	70	66	51
10	26	63	81	49
10	25	72	57	47
10	24	72	51	44
10	19	74	44	41
10	32	66	40	43
10	33	40	38	39
10	34	45	35	38
15	38	40	44	38
15	44	35	52	43
15	54	68	64	48
15	64	93	71	48
15	72	93	33	48
16	67	85	29	56
16	74	85	33	54
16	70	86	39	61
16	76	80	48	62
16	71	74	50	57
15	72	66	50	52
15	84	62	50	51
15	86	60	50	51
15	59	60	51	81
15	44	60	50	43
15	59	58	59	45
23	43	59	66	46
24	52	61	61	44
24	61	57	56	41
25	60	54	59	38
26	....	56	57	—
14	51	68	52	49
26	86	93	81	62
10	19	35	29	38
926	3035	4022	3177	2920

Area reported, 5,873 acres
Water used, 15,022 A. F.
Per acre, 2.56 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

NORTH PLATTE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	50	218	208	207	198
2	50	225	218	208	195
3	50	210	216	209	195
4	50	245	220	209	195
5	50	236	220	210	195
6	100	244	220	211	192
7	100	235	195	210	195
8	100	232	194	212	198
9	100	241	208	214	195
10	100	253	210	217	195
11	200	218	218	213	198
12	200	220	217	203	195
13	200	192	219	212	190
14	200	191	225	212	187
15	200	199	211	210	187
16	220	210	218	212	187
17	220	191	215	211	187
18	220	191	215	212	187
19	220	191	213	211	180
20	220	174	211	207	177
21	220	174	210	203	177
22	220	173	210	200	177
23	220	199	211	203	176
24	220	198	213	203	176
25	220	196	176	200	175
26	415	195	212	201	174
27	300	190	208	203	173
28	200	191	209	203	173
29	200	202	211	199	172
30	200	210	209	199	171
31	200	------	201	197	------
Mean	176	208	210	204	186
Max.	415	253	225	217	198
Min.	50	173	176	197	171
A. F.	10840	12385	12974	12538	11052

Area reported, 14,026 acres
Water used, 59,789 A. F.
Per acre, 4.25 A. F.

NORTHPORT CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
27	157	202	222	206
27	153	229	212	222
27	147	234	114	213
27	143	238	165	207
27	161	218	231	206
27	157	195	224	207
27	163	198	217	207
27	176	206	207	217
27	172	210	192	213
27	195	198	196	215
27	212	202	218	222
27	196	213	220	213
27	181	220	242	207
27	175	222	230	202
27	184	222	227	200
27	206	213	227	210
27	213	197	238	206
27	176	194	240	204
27	150	190	236	201
27	136	186	232	162
12	143	212	247	153
15	147	204	240	133
20	135	213	220	119
53	146	222	212	157
84	153	213	217	187
89	153	204	254	202
105	131	197	266	184
116	136	201	268	206
114	136	222	231	176
103	206	232	209	53
122	------	229	206	------
86	169	210	221	190
122	213	238	268	222
12	135	186	114	53
1706	10095	12964	13615	11325

Area reported, 16,130 acres
Water used, 49,705 A. F.
Per acre, 3.08 A. F.

NORTH RIVER CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	10	0	14	39
2	0	12	0	16	37
3	0	10	0	23	35
4	0	10	0	41	38
5	0	8	30	62	41
6	0	19	32	35	42
7	0	22	31	35	43
8	0	29	31	35	41
9	0	26	24	35	40
10	0	25	29	36	38
11	0	26	34	43	37
12	0	31	29	50	40
13	0	20	30	29	37
14	0	0	19	8	35
15	0	0	17	12	37
16	0	0	27	17	36
17	0	0	24	16	35
18	0	0	20	15	35
19	0	0	16	25	35
20	0	0	25	36	33
21	9	0	34	35	31
22	9	0	23	35	36
23	9	23	13	32	18
24	9	15	0	31	21
25	9	11	0	30	25
26	9	8	0	34	22
27	9	0	0	0	20
28	9	0	0	0	19
29	9	0	0	0	18
30	0	0	11	0	18
31	9	---	12	0	---
Mean	3	10	16	25	32
Max.	9	31	34	62	43
Min.	0	0	0	0	18
A. F.	196	605	1013	1547	1948

Area reported, 1,360 acres
Water used, 5,309 A. F.
Per acre, 3.90 A. F.

ORCHARD-ALFALFA CANAL
Diverted from Platte River

May	June	July	Aug.	Sept.
10	21	68	64	49
10	20	72	66	49
10	20	77	76	50
10	22	84	70	56
10	24	69	70	55
10	20	77	71	48
10	35	68	71	44
10	26	69	71	55
10	16	75	55	55
10	20	75	63	55
11	26	77	62	53
11	27	75	49	47
11	29	76	23	44
11	50	77	19	54
11	44	75	23	48
11	34	74	63	42
11	6	73	60	37
11	49	73	56	37
11	35	74	40	37
11	4	75	38	35
30	40	74	40	34
30	34	74	49	34
30	42	37	44	35
30	31	60	12	35
30	37	86	6	35
30	35	80	4	34
40	34	48	4	34
47	37	54	0	33
30	41	19	16	32
20	55	71	52	32
20	—	69	54	—
17	30	69	45	42
47	55	86	76	56
10	4	19	0	32
1085	1313	4274	2759	2555

Area reported, 7,179 acres
Water used, 14,626 A. F.
Per acre, 2.04 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

OSHKOSH CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	14	9	7	3
2	0	13	9	7	8
3	0	15	9	6	9
4	0	16	9	14	9
5	0	15	9	15	8
6	0	15	9	12	8
7	0	11	9	6	8
8	0	15	9	11	9
9	0	15	9	18	10
10	0	15	9	20	10
11	0	15	7	17	9
12	0	15	7	15	9
13	0	12	7	11	10
14	0	6	7	2	11
15	0	6	7	2	10
16	0	6	7	1	5
17	0	6	7	5	0
18	0	6	7	6	0
19	0	7	7	9	0
20	0	7	7	10	4
21	0	7	7	9	12
22	0	9	15	8	17
23	25	9	15	8	15
24	24	9	15	7	13
25	26	18	5	8	13
26	26	20	2	8	12
27	27	19	3	8	13
28	27	21	15	11	13
29	24	15	6	15	13
30	23	14	6	16	14
31	15	....	7	10	....
Mean	7	12	8	10	9
Max.	27	21	15	20	17
Min.	0	0	5	1	0
A. F.	430	736	508	599	545

Area reported, 2,860 acres
Water used, 3,070 A. F.
Per acre, 1.07 A. F.

OTTER CREEK CANAL
Diverted from Otter Creek

May	June	July	Aug.	Sept.
0	0	4	18	2
0	0	5	18	2
0	0	5	19	3
0	0	5	19	3
0	16	5	20	2
0	17	8	20	2
0	18	10	20	2
0	20	15	20	2
0	20	14	21	2
0	20	14	21	2
0	0	15	21	2
0	9	17	14	2
0	8	18	6	2
0	9	18	4	2
0	9	5	3	2
5	9	4	3	2
5	10	5	3	2
5	11	2	3	2
5	13	2	3	2
5	10	3	3	1
8	5	3	4	1
8	5	3	3	1
8	5	3	3	2
8	6	4	3	2
8	6	10	4	2
4	15	17	4	2
4	3	17	5	1
4	4	18	4	0
4	4	17	3	0
4	4	17	3	0
4	—	17	3	....
3	8	10	9	2
8	20	18	21	3
0	0	4	3	1
176	508	595	591	103

Area reported, 1,470 acres
Water used, 1,973 A. F.
Per acre, 1.34 A. F.

PAISLEY CANAL
Diverted from Blue Creek

Date	May	June	July	Aug.	Sept.
1	6	10	13	13	8
2	6	10	13	14	8
3	6	11	13	13	8
4	6	11	13	13	7
5	6	10	13	6	7
6	6	8	13	0	7
7	6	7	12	7	8
8	6	5	5	14	8
9	6	5	5	10	8
10	6	4	11	8	8
11	6	0	11	6	8
12	6	0	11	6	7
13	6	10	11	6	7
14	6	5	11	6	7
15	6	5	11	8	6
16	6	5	12	11	6
17	6	6	11	10	6
18	6	3	8	9	6
19	6	4	7	9	7
20	6	2	8	9	7
21	10	2	10	8	7
22	10	5	10	8	7
23	10	6	10	8	7
24	10	6	10	8	7
25	10	6	10	8	6
26	10	10	11	9	6
27	10	10	12	9	7
28	10	0	12	10	7
29	10	0	13	10	7
30	10	10	13	10	7
31	10	—	13	9	—
Mean	7	6	11	9	7
Max.	10	11	13	14	8
Min.	6	0	5	0	6
A. F.	456	349	666	545	422

Area reported, 1,008 acres
Water used, 2,438 A. F.
Per acre, 2.43 A. F.

PATRICK CANAL
Diverted from Sand Creek

May	June	July	Aug.	Sept.
0	0	1.0	0.0	0
0	0	1.0	.0	0
0	0	1.0	.0	0
0	0	1.0	.0	0
0	0	1.0	.0	0
0	0	.5	.0	0
0	0	.5	.0	0
0	0	.5	.0	0
0	0	.5	.0	0
0	0	.5	.0	0
0	0	.5	.6	0
0	0	.5	.6	0
0	0	.5	.6	0
0	0	.5	.6	0
0	0	.5	.6	0
0	1	.5	.6	0
0	1	.5	.6	0
0	1	.5	.6	0
0	1	.5	.6	0
0	1	.5	.6	0
0	1	.5	.6	0
0	1	.5	.0	0
0	1	.5	.0	0
0	1	.5	.0	0
0	1	.5	.0	0
0	1	4.0	.0	0
0	1	4.0	.0	0
0	1	4.0	.0	0
0	1	4.0	.0	0
0	1	4.0	.0	0
0	....	4.0	.0	—
0	0.5	1.0	0.2	0
0	1	4.0	.6	0
0	0	0.5	.0	0
0	30	79	12	0

Area reported, 150 acres
Water used, 121 A. F.
Per acre, 1.24 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

PAXTON-HERSHEY CANAL
Diverted from North Platte River

Date	Apr.	May	June	July	Aug.	Sept.
1	0	43	72	83	84	95
2	0	42	54	86	81	90
3	0	40	67	77	87	86
4	0	42	66	76	83	86
5	0	46	101	78	81	85
6	0	46	83	79	90	87
7	0	48	85	86	83	90
8	0	52	93	93	97	90
9	0	51	101	75	104	90
10	0	51	96	89	97	90
11	53	56	69	90	91	90
12	53	58	58	91	88	77
13	53	55	48	99	71	81
14	53	55	45	101	73	92
15	50	56	52	103	79	84
16	50	58	72	101	83	67
17	48	60	74	101	87	60
18	51	68	59	100	87	56
19	51	66	49	100	88	57
20	48	60	47	99	93	58
21	48	69	46	98	97	56
22	48	83	46	101	104	52
23	48	83	47	100	95	52
24	47	99	48	101	96	53
25	47	118	48	102	110	53
26	51	122	51	101	110	54
27	50	97	55	101	88	56
28	47	88	66	102	88	52
29	46	86	72	103	101	53
30	46	84	70	104	101	52
31	—	83	—	101	97	—
Mean	33	67	64	94	91	71
Max.	53	122	101	104	110	95
Min.	0	40	45	75	71	52
A. F.	1960	4096	3848	5794	5581	4253

Area reported, 7,474 acres
Water used, 25,532 A. F.
Per Acre, 3.41 A. F.

RAMSHORN CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	10	20	30	6
2	0	5	25	19	5
3	0	13	21	8	4
4	0	14	22	4	3
5	0	12	22	0	3
6	0	6	20	16	4
7	0	12	24	33	14
8	0	6	22	33	22
9	0	22	24	33	17
10	0	33	25	35	13
11	2	8	27	36	16
12	10	16	24	37	19
13	10	11	25	39	17
14	10	14	24	37	15
15	10	24	27	35	10
16	12	5	27	28	6
17	15	4	27	30	6
18	10	7	27	19	5
19	8	19	27	8	5
20	7	15	28	20	6
21	5	12	23	33	7
22	4	11	24	30	8
23	3	9	24	27	8
24	2	9	23	27	9
25	3	12	24	27	4
26	3	4	26	25	0
27	4	1	26	23	0
28	5	1	27	25	0
29	7	2	28	27	0
30	9	22	29	17	0
31	9	—	29	7	—
Mean	5	12	25	25	8
Max.	15	33	29	39	22
Min.	0	1	20	0	0
A. F.	294	688	1529	1523	460

Area reported, 1,400 acres
Water used, 4,494 A. F.
Per acre, 3.21 A. F.

RUSH CREEK CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	*	0	4	7	1
2	—	0	4	2	1
3	—	0	3	6	1
4	—	0	4	10	3
5	—	0	3	9	6
6	—	0	3	7	6
7	—	0	2	5	6
8	—	2	2	4	4
9	—	5	2	4	1
10	—	5	3	3	1
11	—	6	3	3	1
12	—	6	5	3	1
13	—	6	5	4	1
14	—	5	4	6	1
15	—	5	4	6	1
16	—	6	5	5	2
17	—	7	5	5	3
18	—	7	6	4	4
19	—	8	8	4	6
20	—	8	8	5	6
21	—	8	7	5	6
22	—	7	7	5	5
23	0	7	8	5	4
24	0	6	9	4	4
25	0	6	11	4	5
26	0	6	11	4	5
27	0	6	10	4	6
28	0	5	10	2	6
29	0	5	10	2	6
30	0	5	11	3	6
31	0	—	12	2	—
Mean	0	5	6	5	4
Max.	0	8	12	10	6
Min.	0	0	2	2	1
A. F.	0	272	375	282	216

Area reported, 554 acres
Water used, 1,145 A. F.
Per acre, 2.07 A. F.
*No record.

SCHERMERHORN CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	5	0	0	5
2	0	5	0	0	5
3	0	5	0	0	5
4	0	5	0	0	5
5	0	5	0	0	5
6	0	5	0	0	5
7	0	5	0	0	5
8	0	5	0	0	5
9	0	5	0	0	5
10	0	5	0	0	5
11	0	4	0	0	5
12	0	4	0	0	5
13	0	4	0	5	5
14	0	4	0	5	4
15	0	4	0	2	4
16	0	4	0	2	5
17	0	4	0	2	5
18	0	4	0	2	4
19	0	4	0	0	4
20	0	4	0	0	3
21	0	3	0	0	5
22	0	3	0	0	5
23	0	3	0	0	4
24	0	3	0	0	4
25	0	3	0	0	3
26	0	3	0	0	2
27	0	3	0	0	3
28	0	3	0	0	3
29	0	3	0	0	2
30	0	3	0	0	2
31	0	—	0	0	—
Mean	0	4	0	1	4
Max.	0	5	0	5	5
Min.	0	3	0	0	2
A. F.	0	238	0	35	252

Area reported, 385 acres
Water used, 525 A. F.
Per acre, 1.36 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

SCOTTSBLUFF FACTORY CANAL
Diverted from Winters Creek

Date	May	June	July	Aug.	Sept.
1	*	9	14	7	6
2	.....	9	14	11	12
3	——	9	15	15	0
4	.....	9	15	13	12
5	——	9	16	12	6
6	——	10	16	12	0
7	.....	11	15	12	6
8	——	11	13	7	13
9	——	12	12	3	9
10	——	13	10	8	11
11	——	13	9	12	5
12	.....	14	8	6	0
13	——	15	7	0	0
14	.....	15	7	7	11
15	——	16	8	15	9
16	——	17	9	17	8
17	.....	17	9	20	4
18	.....	17	10	10	0
19	——	16	11	0	4
20	——	15	11	10	8
21	——	15	12	20	8
22	.....	14	13	22	8
23	——	13	13	25	4
24	.....	12	14	12	0
25	——	12	15	0	0
26	——	12	15	15	0
27	.....	12	13	31	4
28	——	13	11	23	8
29	——	13	10	16	10
30	——	13	9	8	13
31	——	....	8	0	....
Mean	.....	13	12	12	6
Max.	——	17	16	31	13
Min.	——	9	7	0	0
A. F.	.....	766	718	732	355

Water used, 2,571 A. F.

SHERIDAN-WILSON CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
17	11	15	16	14
17	12	14	13	14
17	14	17	10	14
17	5	17	11	13
17	5	16	12	13
12	5	17	13	14
12	7	17	14	14
12	10	13	17	13
12	8	14	10	13
12	7	11	10	13
10	9	10	11	13
9	11	8	11	13
7	11	17	10	13
7	19	20	10	12
6	17	21	10	11
5	11	21	10	10
5	15	6	10	9
5	15	10	10	8
3	17	10	11	7
3	19	11	11	6
5	18	11	12	7
5	18	10	12	9
5	17	11	11	8
5	12	12	12	7
5	14	20	13	7
5	14	20	12	7
8	12	19	10	7
12	16	17	13	6
12	16	17	16	6
12	16	18	15	5
12	——	17	14	——
9	13	14	12	10
17	19	21	17	14
3	5	6	10	5
571	756	877	734	607

Area reported, 675 acres
Water used, 3,545 A. F.
Per acre, 5.25 A. F.

SHORT LINE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	*	0	34	12	5
2	.....	12	44	6	10
3	——	25	54	0	10
4	——	24	69	13	8
5	.....	28	71	26	8
6	——	1	76	28	7
7	——	1	26	31	4
8	——	17	8	29	1
9	.....	18	7	27	7
10	——	22	7	24	14
11	——	16	8	21	14
12	.....	16	21	15	14
13	——	16	80	9	15
14	.....	16	74	6	16
15	.....	20	23	4	16
16	——	23	25	8	17
17	——	16	25	12	17
18	——	12	26	16	16
19	——	15	24	21	13
20	0	8	22	14	9
21	0	1	22	8	8
22	0	0	22	8	7
23	10	0	22	7	10
24	20	25	22	8	13
25	30	33	22	10	11
26	30	29	22	10	9
27	34	38	16	11	4
28	30	34	11	5	0
29	39	20	12	0	0
30	41	19	13	0	0
31	44	.....	13	0	——
Mean	9	17	30	13	9
Max.	44	38	80	31	17
Min.	0	0	7	0	0
A. F.	563	1002	1827	772	561

Area reported, 2,939 acres
Water used, 4,725 A. F.
Per acre, 1.61 A. F.
*No record

SIGNAL BLUFF CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
*	4	10	5	7
——	8	11	5	7
.....	7	11	5	7
——	6	11	5	7
——	6	11	7	7
.....	6	10	6	7
——	4	10	5	7
——	8	10	4	5
——	8	10	3	4
.....	8	8	2	4
——	9	5	3	5
.....	10	8	4	4
——	8	8	2	4
.....	9	0	0	5
——	6	0	0	6
——	6	0	0	6
——	0	0	0	7
.....	0	0	0	8
.....	0	0	0	9
——	10	0	0	9
——	13	0	3	10
——	13	1	6	9
.....	7	3	6	8
0	13	4	6	8
0	13	5	6	9
0	13	5	6	9
0	13	4	7	9
0	13	4	8	11
0	9	5	6	13
0	11	5	4	13
0	——	5	5	——
0	8	5	4	7
0	13	11	8	13
0	0	0	0	4
0	478	325	236	444

Area reported, 1,436 acres
Water used, 1,483 A. F.
Per acre, 1.03 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

SIX MILE CANAL
Diverted from Platte River

Date	May	June	July	Aug.	Sept.
1	0	10	13	22	19
2	0	8	14	22	20
3	0	6	31	9	26
4	0	3	22	9	18
5	0	1	9	9	9
6	0	9	4	20	5
7	0	7	2	9	3
8	0	3	0	9	0
9	0	1	0	7	0
10	0	1	0	7	0
11	0	15	1	0	0
12	0	13	0	0	0
13	2	12	0	0	0
14	2	12	7	0	0
15	2	6	12	0	0
16	2	8	9	0	0
17	0	10	8	0	0
18	0	12	9	0	0
19	0	9	15	0	0
20	0	17	23	0	0
21	0	16	22	0	0
22	0	16	17	4	0
23	0	15	24	9	0
24	0	12	20	11	0
25	0	13	13	11	0
26	0	16	9	19	0
27	0	15	13	16	19
28	0	9	23	29	9
29	0	10	28	28	5
30	0	16	21	17	4
31	0	——	26	11	——
Mean	0	10	13	9	5
Max.	2	17	31	29	26
Min.	0	1	0	0	0
A. F.	0	597	785	551	272

Area reported, 1,039 acres
Water used, 2,205 A. F.
Per acre, 2.12 A. F.

SPOHN CANAL
Diverted from North Platte River

	May	June	July	Aug.	Sept.
	*	5	8	11	6
	——	6	9	12	6
	.....	5	9	10	6
	——	5	7	8	6
	——	4	8	11	6
	——	3	7	12	6
	——	6	9	10	5
	——	8	8	8	5
	.....	9	6	8	5
	——	9	7	7	5
	.....	8	8	7	5
	——	12	6	6	5
	.....	9	6	7	5
	——	14	6	8	5
	——	13	6	7	5
	.....	13	7	6	5
	.....	15	7	6	4
	.....	15	7	6	4
	——	15	7	6	3
	.....	15	6	7	3
	.....	15	6	7	3
	——	16	6	6	4
	0	16	6	6	4
	0	15	6	5	4
	0	13	5	5	3
	0	10	6	5	3
	0	10	8	5	3
	1	11	8	6	3
	3	9	9	6	3
	4	7	10	6	3
	5	.....	11	6	——
	0	10	7	7	4
	5	16	11	12	6
	0	3	5	5	3
	26	617	446	448	264

Area reported, 920 acres
Water used, 1,801 A. F.
Per acre, 1.96 A. F.

SUBURBAN CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	58	61	81	91
2	0	71	67	72	73
3	0	84	57	73	76
4	0	38	63	66	79
5	0	78	81	66	78
6	0	74	67	63	77
7	0	71	63	75	81
8	0	79	64	94	85
9	0	72	63	43	95
10	0	71	63	56	68
11	0	66	55	58	73
12	0	73	62	49	78
13	30	71	58	56	70
14	30	64	67	61	63
15	30	58	81	45	64
16	70	63	66	61	65
17	70	68	55	84	67
18	70	57	79	51	59
19	70	63	70	85	60
20	70	52	62	50	62
21	80	63	65	51	63
22	80	57	71	62	65
23	80	47	76	74	60
24	80	46	81	80	56
25	80	55	74	86	58
26	107	56	58	87	60
27	107	44	62	89	53
28	107	58	67	94	46
29	107	44	83	99	48
30	107	83	99	104	50
31	107	——	90	110	.....
Mean	48	61	69	72	67
Max.	107	84	99	110	95
Min.	0	38	55	43	46
A. F.	3152	3737	4235	4413	4013

Area reported, 7,184 acres
Water used, 19,550 A. F.
Waste, 6,506 A. F.
Per acre, 2.72 A. F.
*No record

THIRTY MILE CANAL
Diverted from Platte River

Apr.	May	June	July	Aug.	Sept.
0	171	110	144	257	158
0	166	93	142	257	172
0	158	76	126	280	201
17	166	98	126	261	207
16	162	111	130	277	213
12	154	111	132	272	250
55	166	119	131	298	226
83	167	121	118	279	244
125	164	123	139	279	240
155	151	107	158	262	236
121	140	119	174	228	220
145	137	127	135	225	209
163	125	130	123	107	190
164	125	133	42	125	170
102	125	124	28	202	151
184	139	113	2	225	156
102	154	114	0	206	166
188	129	128	0	190	174
206	104	134	0	186	179
210	79	144	0	144	160
214	68	128	0	105	180
206	68	135	0	82	203
213	68	125	188	56	192
214	68	118	185	21	194
214	68	126	174	0	197
209	83	128	105	0	174
201	83	125	22	0	129
194	83	123	21	0	179
188	83	134	21	42	198
174	83	142	21	111	225
——	83	.....	249	148	——
136	120	120	91	165	193
214	171	144	249	298	250
0	68	76	0	0	151
8083	7379	7178	5625	10165	11490

Area reported, 22,809 acres
Water used, 43,414 A. F.
Per acre, 1.90 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

TRI-STATE CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	718	1125	1019	1019
2	0	716	1125	751	1020
3	0	697	1127	834	1019
4	0	690	1137	1014	1031
5	0	822	1117	1032	1026
6	0	924	1102	1045	1010
7	0	936	1102	1041	1020
8	0	1030	1112	1045	1014
9	0	1175	1080	1055	1002
10	0	1158	1105	1055	1002
11	0	1110	1092	1042	1007
12	0	1110	1100	1034	1007
13	0	1077	1098	1038	1002
14	0	1100	1095	1026	998
15	0	1137	1093	1026	947
16	300	1115	1102	1036	887
17	605	1100	1100	1031	844
18	545	1100	1098	1028	767
19	550	1055	1098	1014	756
20	580	1070	1092	1062	739
21	600	1065	1087	1043	798
22	580	1050	1080	1043	746
23	610	1052	1087	1043	798
24	660	1080	1087	1045	834
25	693	1082	1080	1045	790
26	716	1095	1080	1055	773
27	743	1075	1077	1050	739
28	740	1085	1077	1050	751
29	741	1090	1080	1038	300
30	740	1100	1080	1026	0
31	720	——	1060	1021	.....
Mean	337	1020	1095	1020	854
Max.	743	1175	1137	1062	1031
Min.	0	690	1060	751	0
A.F.	20080	60725	67390	62850	50870

Total, 261,915 A. F.

TRI-STATE CANAL
Lateral No. 1 Above Rating Flume
Diverted from North Platte River

May	June	July	Aug.	Sept.
*	4	4	3	4
——	4	4	3	4
——	4	4	3	4
——	4	4	4	4
.....	4	3	4	3
.....	5	3	4	3
——	5	4	5	3
.....	5	4	5	4
.....	5	4	5	4
——	4	4	3	4
——	4	3	2	4
.....	3	4	3	4
——	0	3	3	4
——	0	3	3	4
——	4	2	3	3
——	4	3	3	1
——	4	3	3	1
.....	4	3	3	0
.....	3	3	3	0
——	4	3	3	0
——	4	3	3	0
——	4	3	3	0
.....	3	3	3	0
——	4	3	3	1
——	4	3	3	1
——	4	3	3	1
——	4	3	3	1
——	4	3	3	1
——	4	3	4	0
.....	3	3	3	0
——	——	3	3	——
.....	3	3	3	2
.....	5	4	5	4
.....	0	2	2	0
.....	222	200	202	125

Total, 749 A. F.

TRI-STATE CANAL
Lateral No. 2 Above Rating Flume
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	13	10	8	7
2	0	13	9	8	7
3	0	13	9	8	7
4	0	14	10	9	7
5	0	15	9	9	13
6	0	14	9	8	13
7	0	14	9	8	10
8	0	11	7	10	10
9	0	11	8	13	11
10	0	7	8	12	12
11	0	11	8	12	9
12	0	11	8	12	7
13	0	12	10	12	7
14	0	9	13	12	7
15	0	3	13	12	6
16	8	0	14	16	6
17	8	0	11	11	6
18	8	0	8	8	5
19	8	0	8	6	6
20	8	0	9	6	6
21	8	0	9	7	5
22	8	0	8	7	5
23	8	0	8	7	5
24	8	6	8	7	5
25	8	9	10	7	5
26	8	12	12	9	5
27	8	12	11	11	4
28	8	12	11	9	3
29	8	12	7	7	3
30	8	11	4	7	0
31	8	.....	6	7	.....
Mean	4	8	9	9	7
Max.	8	15	14	16	13
Min.	0	0	4	6	0
A. F.	254	486	563	565	400

Total, 2,268 A. F.

*No record

TRI-STATE CANAL
Diverted from Akers Draw

May	June	July	Aug.	Sept.
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
0	11	14	15	17
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	12	14	15	15
10	——	14	15	.....
5	11	14	15	16
10	12	14	15	17
0	11	14	15	15
317	684	861	922	932

Total, 3,736 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

TRI-STATE CANAL
Diverted from Sheep Creek

Date	May	June	July	Aug.	Sept.
1	0	72	83	96	100
2	0	72	86	96	101
3	0	80	83	95	103
4	0	76	79	94	105
5	0	71	78	94	105
6	0	65	78	93	106
7	0	68	83	92	108
8	0	69	82	90	110
9	0	75	84	89	106
10	0	83	83	87	102
11	0	88	83	86	104
12	0	88	86	88	107
13	0	84	94	90	110
14	0	86	89	88	113
15	0	84	89	84	113
16	73	97	87	84	113
17	73	83	87	85	112
18	73	90	90	88	112
19	73	94	91	92	113
20	73	84	91	92	115
21	73	86	90	92	115
22	73	85	90	92	115
23	73	81	91	92	116
24	73	81	92	100	118
25	73	79	84	108	122
26	73	83	77	111	127
27	73	82	82	115	124
28	73	90	88	107	122
29	73	83	94	100	122
30	73	80	100	100	0
31	73	———	98	99	———
Mean	38	81	87	94	107
Max.	73	97	100	115	127
Min.	0	65	77	84	100
A. F.	2317	4838	5340	5790	6424

Total, 24,708 A. F.

TRI-STATE CANAL
Diverted from Dry Spotted Tail Creek

May	June	July	Aug.	Sept.
0	0	0	33	33
0	0	0	32	33
0	0	0	30	33
0	0	0	28	34
0	0	25	26	34
0	0	25	25	34
0	0	25	25	34
0	0	31	24	35
0	0	29	24	36
0	0	29	23	37
0	0	29	23	36
0	0	31	22	34
0	0	30	22	34
0	0	29	22	34
0	0	31	22	34
0	0	30	24	34
0	0	16	26	34
0	0	32	27	35
0	0	33	28	36
0	0	35	27	37
0	0	34	27	38
0	0	34	27	39
0	0	33	28	39
0	0	33	19	39
0	0	33	10	38
0	0	33	20	37
0	0	33	30	38
0	0	15	30	40
0	0	0	31	40
0	0	0	32	1
0	.....	0	34	———
0	0	23	26	34
0	0	35	34	40
0	0	0	10	1
0	0	1404	1589	2063

Total, 5,088 A. F.

TRI-STATE CANAL
Diverted from Wet Spotted Tail Creek

Date	May	June	July	Aug.	Sept.
1	0	8	13	19	18
2	0	8	13	21	18
3	0	8	13	20	18
4	0	8	13	18	18
5	0	8	13	16	18
6	0	7	13	16	18
7	0	7	13	16	23
8	0	7	12	16	29
9	0	7	12	16	24
10	0	7	12	16	20
11	0	18	12	15	20
12	0	18	17	15	19
13	0	18	15	15	19
14	0	18	13	17	19
15	0	18	15	18	19
16	9	29	15	18	19
17	9	29	15	19	17
18	9	29	15	19	16
19	9	29	15	19	23
20	9	29	16	18	30
21	9	18	18	18	25
22	9	18	21	16	20
23	9	18	18	14	20
24	9	18	16	15	21
25	9	18	16	16	21
26	9	18	15	17	21
27	9	18	15	18	20
28	9	18	15	18	20
29	9	18	15	18	26
30	9	18	17	17	32
31	9	———	18	17	———
Mean	4	16	15	17	21
Max.	9	29	21	21	32
Min.	0	7	12	14	16
A. F.	285	972	910	1053	1251

Total, 4,471 A. F.

TRI-STATE CANAL
Diverted from Tub Springs

May	June	July	Aug.	Sept.
0	0	33	40	39
0	0	34	40	39
0	0	34	42	39
0	0	33	40	39
0	0	33	38	42
0	0	32	37	46
0	0	32	36	44
0	0	33	34	42
0	19	33	33	41
0	18	33	32	41
0	24	33	32	41
0	24	33	31	42
0	24	36	30	42
0	24	36	30	42
0	24	37	32	47
0	0	37	32	52
0	20	0	32	52
0	21	32	33	52
0	0	34	34	54
0	0	35	34	57
0	0	36	34	55
0	0	37	35	56
0	0	37	37	56
0	0	40	40	57
0	0	40	20	56
0	28	42	40	55
0	29	42	39	55
0	32	40	0	56
0	35	40	39	56
0	34	40	39	56
0	.....	40	39	.....
0	11	35	34	46
0	35	42	40	57
0	0	0	0	39
0	706	2136	2090	2878

Total, 7,810 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Continued

TRI-STATE CANAL
Diverted from Alliance Drain

Date	May	June	July	Aug.	Sept.
1	*	*	0	26	26
2	——	——	0	26	26
3	——	——	0	26	26
4	——	——	0	26	26
5	——	——	0	26	26
6	——	——	0	26	26
7	——	——	0	26	26
8	——	——	0	26	26
9	——	——	23	26	26
10	——	——	23	26	26
11	——	——	23	26	26
12	——	——	23	26	26
13	——	——	23	26	26
14	——	——	23	26	26
15	——	——	23	26	26
16	——	——	23	26	22
17	——	——	23	26	22
18	——	——	23	26	22
19	——	——	23	26	22
20	——	——	23	26	22
21	——	——	26	25	22
22	——	——	26	25	22
23	——	——	26	25	22
24	——	——	26	25	22
25	——	——	26	25	22
26	——	——	26	26	23
27	——	——	26	26	23
28	——	——	26	26	23
29	——	——	26	26	23
30	——	——	26	26	23
31	——	——	26	26	——
Mean	——	——	18	26	24
Max.	——	——	26	26	26
Min.	——	——	0	25	23
A. F.	——	——	1115	1589	1438

Total, 4,090 A. F.

UNION CANAL
Diverted from Blue Creek

May	June	July	Aug.	Sept.
1	5	5	11	9
1	1	4	11	12
1	3	5	11	17
1	17	8	11	18
1	17	6	10	19
1	17	7	10	17
1	17	7	0	16
1	15	8	8	15
1	15	12	12	15
1	14	12	16	16
7	7	13	17	13
7	6	14	19	11
7	3	14	9	9
7	3	15	0	9
7	7	18	9	10
7	4	19	9	7
7	0	22	9	4
7	0	17	9	8
7	5	16	10	12
7	5	17	11	11
8	4	13	10	10
8	5	17	9	10
8	6	19	9	10
8	6	13	12	9
8	4	16	15	9
8	4	15	18	5
8	5	9	20	1
8	7	8	22	1
8	7	10	20	1
8	6	7	18	1
8	——	9	15	——
5	7	12	12	10
8	17	22	22	19
1	0	4	0	1
333	426	744	734	605

Area reported, 1,335 acres
Water used, 2,842 A. F.
Per acre, 2.13 A. F.

WESTERN CANAL
Diverted from South Platte River

Date	Apr.	May	June	July	Aug.	Sept.
1	147	30	41	33	17	36
2	100	30	40	30	16	33
3	50	30	43	30	16	33
4	40	30	42	29	29	33
5	40	30	41	29	39	33
6	40	23	39	28	42	31
7	40	23	38	25	40	30
8	40	21	37	27	39	28
9	40	20	37	28	38	26
10	40	25	59	28	36	26
11	43	58	89	25	29	25
12	43	65	82	25	27	25
13	43	78	67	27	76	29
14	43	72	58	28	43	29
15	43	67	43	27	26	28
16	43	65	38	23	22	29
17	40	65	41	23	26	32
18	30	65	39	23	27	32
19	30	65	44	23	33	33
20	30	63	45	21	33	31
21	30	43	46	20	30	32
22	39	36	46	21	29	32
23	40	34	44	38	29	33
24	40	37	43	63	29	33
25	40	45	43	36	29	35
26	40	54	43	32	33	35
27	40	54	43	24	38	36
28	40	58	43	27	43	35
29	40	57	39	44	41	35
30	40	58	34	40	39	33
31	——	55	——	41	43	——
Mean	45	47	45	31	33	31
Max.	147	78	89	44	76	36
Min.	30	20	34	20	16	25
A. F.	2686	2888	2749	1820	2055	1866

Area reported, 12,113 acres
Water used, 14,064 A. F.
Per acre, 1.16 A. F.
*No record

WHITNEY PIPE LINE
Diverted from White River

May	June	July	Aug.	Sept.
0	15	50	0	10
0	15	50	30	10
0	15	50	30	10
0	15	50	30	10
0	15	50	30	10
0	15	50	30	10
0	15	50	30	10
0	15	50	30	10
0	15	50	30	10
0	15	70	30	10
0	15	70	35	0
0	19	70	35	0
0	19	70	35	0
0	19	70	35	0
0	19	70	35	0
0	19	70	35	0
0	19	70	35	0
0	0	70	35	0
0	0	70	35	0
0	0	70	10	0
19	0	70	10	0
19	0	70	15	0
19	0	45	15	0
19	0	45	15	0
19	40	45	15	0
19	40	45	15	0
19	40	45	10	0
15	40	45	10	0
15	40	45	10	0
15	——	0	10	.....
6	16	56	23	3
19	40	70	35	10
0	0	0	0	0
353	988	3461	1497	198

Area reported, 9,500 acres
Water used, 6,497 A. F.
Per acre, 0.68 A. F.

DISCHARGE IN SECOND-FEET OF CANALS, 1932—Concluded

WINTERS CREEK CANAL
Diverted from Winters Creek

Date	May	June	July	Aug.	Sept.
1	0	28	48	8	58
2	0	60	59	7	20
3	0	51	52	55	6
4	0	43	57	65	2
5	0	41	63	65	36
6	0	48	61	67	53
7	0	47	40	68	54
8	0	34	19	60	27
9	0	42	11	34	19
10	0	49	43	36	15
11	0	37	60	15	32
12	0	16	56	59	50
13	0	37	27	57	58
14	0	47	2	54	31
15	0	59	12	26	25
16	0	16	39	13	19
17	0	51	51	8	45
18	0	30	59	44	37
19	22	12	9	54	47
20	37	32	10	49	20
21	3	26	10	5	7
22	3	35	49	2	20
23	23	32	56	0	54
24	31	34	55	36	54
25	29	34	47	55	57
26	37	11	6	47	37
27	37	31	9	11	29
28	31	31	58	0	8
29	31	44	61	2	8
30	16	49	54	48	17
31	19	——	9	58	——
Mean	10	36	38	36	31
Max.	37	60	63	68	53
Min.	0	11	2	0	2
A. F.	633	2196	2364	2198	1874

Area reported, 2,775 acres
Water used, 11,836 A. F.
Per acre, 4.26 A. F.

WINTERS CREEK CANAL
Diverted from North Platte River

May	June	July	Aug.	Sept.
0	8	48	54	1
0	10	42	24	18
0	13	31	11	34
0	21	33	20	34
0	17	36	14	11
0	11	30	2	1
0	13	46	2	2
0	75	40	6	15
0	28	45	24	26
0	31	44	40	28
0	38	5	6	11
0	37	0	1	2
0	17	3	2	4
0	16	45	16	30
0	16	20	39	23
0	34	4	43	19
0	20	1	40	7
0	23	2	7	3
14	23	39	1	2
16	23	48	1	14
20	23	52	34	34
18	19	5	36	36
23	16	2	39	8
26	14	2	12	1
26	23	23	6	1
30	23	50	2	1
37	1	52	1	5
38	0	8	23	18
20	3	3	20	23
23	48	3	1	20
14	.....	26	1	——
10	21	25	17	14
38	75	52	54	36
0	0	0	1	1
605	1277	1563	1047	857

Area reported, 795 acres
Water used, 5,349 A. F.
Per acre, 6.73 A. F.

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	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
A									
Aberdeen Canal—Frenchman River	.....	505	505	505	505	.....	.....	.....	.....
Adams Canal—Lodgepole Creek	.....	505	505	506	.....	.....	.....	.....	.....
Airedale Canal No. 2—Pumpkinseed Creek	.....	506	506	506	.....	.....	.....	.....	.....
Airedale Canal No. 3—Pumpkinseed Creek	.....	.....	506	.....	.....	.....	.....	.....	.....
Akers Draw	.....	105	.....	237	.....	.....	.....	.....	.....
Alfalfa Canal—North Platte River	.....	506	506	507	507	703	719	734	757
Allen and Larned Canal—Buffalo Creek	.....	507	508	508	508	.....	.....	.....	.....
Alliance Drain—Above Tri-State Canal	.....	.....	.....	237	.....	.....	.....	.....	.....
Alliance Canal—Bayard Sugar Factory Drain	.....	.....	508	508	509	703	719	734	757
Alliance Canal—Red Willow Creek	.....	509	509	509	510	703	719	734	757
Anderson Canal—Lodgepole Creek	.....	510	510	510	.....	.....	.....	.....	.....
Anderson Canal—Republican River	.....	511	511	511	.....	.....	.....	.....	.....
Antelope Creek	.....	.....	167	237	289	.....	.....	.....	.....
Arapahoe Star Mill Waste	.....	105	167	.....	.....	.....	.....	.....	.....
Arickaree River—Haigler (See also Republican River)	.....	105	167	237	289	335	379	415	464
Arnold Drain	.....	105	167	237	.....	335	.....	.....	.....
Ash Creek	.....	106	168	238	289	.....	.....	.....	.....
Ash Creek, East	.....	106	.....	237	289	.....	.....	.....	.....
Ash Creek, West	.....	.....	167	237	.....	.....	.....	.....	.....
Atkins-Polly Canal—Lodgepole Creek	.....	511	511	511	511	.....	.....	.....	.....
Austin Creek	.....	106	168	.....	.....	.....	.....	.....	.....
B									
Bald Seep (Drain)	.....	106	168	238	289	.....	.....	416	465
Barber Canal—Clear Creek	.....	512	512	512	512	.....	.....	734	757
Barron Canal—Ash Creek	.....	513	513	513	513	.....	.....	.....	.....
Battle Creek	.....	106	.....	.....	.....	.....	.....	.....	.....
Bayard Sugar Factory Drain	.....	106	168	238	290	336	380	416	465
Bay State Canal—Lodgepole Creek	.....	.....	.....	.....	513	.....	.....	.....	758
Bazille Creek	.....	.....	168	238	290	.....	.....	.....	466
Bear Creek	.....	107	168	238	290	.....	.....	.....	.....
Beatty Lateral—Platte River	.....	.....	.....	.....	.....	.....	.....	.....	758
Beauty Creek	.....	.....	169	239	291	.....	.....	.....	.....
Beaver Creek	.....	107	169	239	291	.....	.....	.....	.....
Beaver River	.....	107	170	239	291	.....	.....	.....	.....
Beerline Canal—North Platte River	.....	513	513	514	514	703	719	735	758
Belmont Canal—North Platte River	.....	514	514	515	515	704	720	735	758
Belmont Canal—Cedar Creek	.....	.....	.....	.....	.....	704	720	735	.....
Belmont Feeder—Cedar Creek	.....	515	515	516	516	.....	.....	.....	759
Bendix Canal—Sand Creek	.....	.....	.....	.....	516	.....	.....	.....	.....
Bennett Canal—Lodgepole Creek	.....	516	517	517	517	.....	.....	.....	.....

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Bennett Canal—Niobrara River	.....	.....	.....	517	517	.....	.....	.....	.....
Bickel Canal—Lodgepole Creek	.....	517	518	518	518	.....	.....	.....	759
Biglow-Seymour Canal—Niobrara River	.....	518	518	518	518	.....	.....	.....	.....
Birdwood Creek	.....	107	170	240	292	336	380	417	466
Birdwood Creek, East	.....	.....	170	240	292	.....	.....	.....	.....
Birdwood Creek, West	.....	.....	171	240	.....	.....	.....	.....	.....
Birdwood Canal—Birdwood Creek	.....	519	519	519	520	.....	720	736	759
Blue Creek	.....	108	171	240	292	337	381	417	467
Blue Creek Canal—Blue Creek	.....	520	520	521	521	.....	.....	736	759
Blue River, Big:									
—Barnston	.....	.....	.....	241	292	.....	.....	.....	.....
—Beatrice	.....	109	171	241	.....	.....	.....	.....	.....
—Seward	.....	108	.....	240	292	.....	.....	.....	.....
Blue River, Little:									
—Kiowa	.....	.....	.....	241	.....	.....	.....	.....	.....
—Deshler	.....	.....	.....	.....	293	.....	.....	.....	.....
—Hebron	.....	109	172	241	293	.....	.....	.....	.....
—Fairbury	.....	109	172	241	.....	.....	.....	.....	.....
—Endicott	.....	109	172	241	293	.....	.....	418	467
Bluhm Canal—Lodgepole Creek	.....	521	522	522	522	.....	.....	.....	.....
Boelus Power Canal—South Loup River	.....	522	.....	522	.....	.....	.....	.....	.....
Boggy Creek	.....	109	.....	.....	293	.....	.....	.....	.....
Bogus Creek	.....	109	.....	242	.....	.....	.....	.....	.....
Boone Creek	.....	109	172	.....	.....	.....	.....	.....	.....
Booth Canal, North—Lodgepole Creek	.....	522	522	523	523	.....	.....	.....	.....
Booth Canal, South—Lodgepole Creek	.....	523	523	523	523	.....	.....	.....	.....
Bordeaux Creek, Big	.....	110	172	242	293	.....	.....	.....	.....
Bordeaux Creek, Little	.....	110	173	242	294	.....	.....	.....	.....
Bordwell Canal—Lodgepole Creek	.....	523	524	524	524	.....	.....	.....	.....
Borquist Canal—Lodgepole Creek	.....	525	525	525	525	.....	.....	.....	.....
Bow Creek	.....	.....	.....	242	.....	.....	.....	.....	.....
Bridgeport Slough	.....	.....	173	.....	.....	.....	.....	.....	.....
Brown Creek	.....	.....	.....	242	294	.....	.....	.....	.....
Brown Creek Canal—North Platte River	.....	526	526	527	527	704	720	736	760
Buffalo Creek	.....	110	173	243	294	337	381	418	468
Bull Drain	.....	.....	.....	243	294	.....	.....	.....	468
Bullock Canal—Lodgepole Creek	.....	527	527	528	528	.....	.....	.....	.....
Burke-Kent Canal—Pawnee Creek	.....	528	528	528	528	.....	.....	736	.....
Burton Creek	.....	111	174	243	.....	.....	.....	.....	.....
Bushnell Canal—Lodgepole Creek	.....	529	529	529	.....	.....	.....	.....	.....
C									
Cache Creek	.....	111	174	243	.....	.....	.....	.....	.....
Caladonia Canal—Caladonia Reservoir—Jim Creek	.....	.....	.....	530	.....	.....	.....	.....	.....
Calamus River	.....	111	174	244	295	.....	.....	.....	.....
Callaway Spring	.....	.....	.....	244	.....	.....	.....	.....	.....

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Camp Clark Seep	.....	112	175	244	295	338	382	419	469
Carnine Lake	.....	166	236	288	334	.....	.....	.....	.....
Cascade Canal—Otter Creek (See Otter Creek Canal)									
Castle Rock Canal—North Platte River	.....	530	530	531	531	704	721	737	760
Castle Rock Canal Waste No. 1	.....	.....	.....	.....	.....	.....	721	.....	.....
Cedar Creek	.....	112	175	244	295	338	382	419	469
Cedar Branch Creek	.....	112	175	244	295	339	383	.....	470
Cedar River	.....	113	176	245	296	.....	.....	.....	.....
Center Creek	.....	113	176	245	296	.....	.....	.....	.....
Central Canal—North Platte River	.....	531	531	532	532	705	721	737	760
Chadron Creek No. 1	.....	113	176	245	296	339	.....	.....	.....
Chadron Creek No. 2	.....	114	177	245	296	340	.....	.....	.....
Chadron Creek No. 3	.....	114	177	245	296	340	.....	.....	.....
Chadron Creek No. 4	.....	114	177	245	297	341	.....	.....	.....
Champion Canal—Frenchman River	.....	532	533	533	533	.....	.....	.....	.....
Cherry Creek	.....	114	177	.....	.....	341	.....	.....	.....
Chimney Rock Canal—North Platte River	.....	534	534	534	534	705	721	737	760
Christensen Canal, North—Lodgepole Creek	.....	535	.....	535	.....	.....	.....	.....	.....
Christensen Canal, South—Lodgepole Creek	.....	535	.....	535	.....	.....	.....	.....	.....
Circle Arrow Canal—Lodgepole Creek	.....	.....	535	535	535	.....	.....	.....	.....
Clear Creek	.....	115	177	246	297	342	383	420	470
Clear Creek, Upper	.....	115	178	246	297	.....	.....	.....	.....
Clear Creek Canal—Clear Creek	.....	536	536	536	536	.....	.....	737	761
Clear Water Creek	.....	116	178	246	.....	.....	.....	.....	.....
Cleveland Drain	.....	.....	178	246	297	.....	384	420	471
Cody-Dillon Canal—North Platte River	.....	537	537	537	538	.....	722	738	761
Coffee Canal—Niobrara River	.....	538	538	538	.....	.....	.....	.....	.....
Coffee Canal, East Side—Hat Creek	.....	.....	.....	538	538	.....	.....	.....	.....
Coffee Canal, West Side—Hat Creek	.....	.....	.....	539	539	.....	.....	.....	.....
Cold Water Creek	.....	116	179	247	298	342	384	421	471
Cold Water Canal—Cold Water Creek	.....	539	539	539	540	.....	.....	.....	.....
Cole Creek (See Little Papillion Creek)									
Congo Creek	.....	.....	.....	247	.....	.....	.....	.....	.....
Cook Canal No. 1—Niobrara River	.....	540	540	540	540	.....	.....	.....	.....
Cooper Canal—Lower Dugout Creek	.....	.....	540	541	541	.....	.....	.....	.....
Cooper Canal—Squaw Creek	.....	.....	541	541	541	.....	.....	.....	.....
Cooper Canal—White Clay Creek	.....	541	541	542	542	.....	.....	.....	.....
Cottonwood Creek	.....	116	179	247	.....	.....	.....	.....	.....
Cottonwood Creek, Big	.....	116	179	247	298	.....	.....	.....	.....
Cottonwood Creek, Little	.....	116	180	248	298	.....	.....	.....	.....
Court House Rock Canal—Pumpkinseed Creek	.....	542	543	543	543	.....	722	738	761
Cozad Canal Tail Waste	.....	.....	.....	.....	.....	.....	.....	738	.....
Cozad Canal—Platte River	.....	543	544	544	545	705	722	738	761
Crescent Lake Outflow into Blue Creek	.....	.....	.....	.....	.....	.....	.....	739	.....
Crescent Lake Canal—Crescent Lake	.....	.....	.....	546	546	.....	.....	.....	.....
Crews Canal—Republican River	.....	.....	546	546	.....	.....	.....	.....	.....
Crigler, E. S., Canal—Lawrence Fork	.....	.....	.....	546	.....	.....	.....	.....	.....
Crooked Creek	.....	117	180	248	299	.....	.....	.....	.....
Culbertson Canal—Frenchman River	.....	547	547	547	547	705	.....	739	762

D	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Dane Creek	.....	117	180	248	.....	.....	.....	.....	.....
Dawson County Canal—Platte River	.....	548	548	549	549	706	722	739	762
Dawson County Canal—Cozad Canal Waste	.....	.....	.....	.....	.....	706	.....	.....	762
Dawson County Drain No. 1	.....	117	180	248	.....	.....	.....	.....	.....
Dawson County Drain No. 2	.....	.....	.....	249	299	.....	385	421	473
Dawson County Canal Waste into French Creek	.....	.....	.....	.....	.....	.....	.....	.....	472
Dawson County Canal Waste into Elm Creek	.....	.....	.....	.....	.....	.....	.....	.....	472
Dawson County Canal Waste into Buffalo Creek	.....	.....	.....	.....	.....	706	.....	.....	472
Dead Horse Creek	.....	117	181	249	299	.....	.....	.....	.....
Deer Creek	.....	.....	.....	249	299	.....	.....	.....	.....
DeGraw Drain	.....	.....	181	249	299	.....	.....	422	473
Deleware-Hickman Canal—Republican River	.....	550	551	551	551	.....	.....	.....	.....
Dickinson Canal—Lodgepole Creek	.....	551	551	552	552	.....	.....	.....	.....
Dismal River	.....	117	181	249	300	.....	.....	.....	.....
Dodd-McDowell Canal—Little Cottonwood Creek	.....	.....	552	552	553	.....	.....	.....	.....
Dout Brothers Canal—Jim Creek	.....	.....	.....	553	.....	.....	.....	.....	.....
Dout Canal No. 1—Jim Creek	.....	.....	.....	553	553	.....	.....	.....	.....
Dout Canal No. 2—Jim Creek	.....	.....	.....	553	553	.....	.....	.....	.....
Driftwood Creek	.....	.....	.....	249	300	.....	.....	.....	.....
Dry Creek	.....	118	181	249	300	.....	.....	.....	.....
Dugout Creek, Lower	.....	118	181	249	300	.....	.....	.....	.....
Dugout Creek, Upper	.....	118	182	250	300	.....	385	422	474
Dundy County Canal—Republican River	.....	554	554	554	554	.....	.....	.....	.....
E									
Eagle Creek	.....	.....	.....	250	.....	.....	.....	.....	.....
East Valley Lake	.....	.....	.....	288	.....	.....	.....	.....	.....
Eli Lake	.....	166	236	288	334	.....	.....	.....	.....
Elkhorn River:									
—Norfolk	.....	.....	183	251	.....	.....	.....	.....	.....
—Ewing	.....	118	182	250	.....	.....	.....	.....	.....
—Neligh	.....	119	182	250	301	.....	.....	423	474
—O'Neill	.....	.....	.....	250	300	.....	.....	423	.....
—Arlington	.....	119	.....	.....	.....	.....	.....	.....	.....
—Waterloo	.....	119	183	251	301	.....	.....	424	475
Elkhorn River, North Fork	.....	.....	182	250	.....	.....	.....	.....	.....
Elkhorn River, South Fork	.....	118	182	250	.....	.....	.....	.....	.....
Ellis Canal—Antelope Creek	.....	.....	.....	554	.....	.....	.....	.....	.....
Elm Creek	.....	119	183	251	301	.....	.....	.....	475
Elm Creek Canal—Platte River	.....	.....	554	555	555	.....	.....	739	763
Empire Canal (See Belmont)—North Platte River	.....	555	555	555	556	706	.....	740	763
Enterprise Canal—North Platte River	.....	556	556	556	556	707	723	740	763

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Enterprise Canal—Morrill Drain	.....	.....	.....	.....	.....	707	724	741	764
Enterprise Canal—Stewart Drain	.....	.....	.....	.....	.....	707	724	741	763
Enterprise Canal—Dry Spotted Tail Creek	.....	.....	.....	558	559	.....	.....	740	764
Enterprise Canal—Wet Spotted Tail Creek	.....	557	558	558	558	707	723	741	764
Enterprise Canal Tail Waste	.....	.....	.....	.....	.....	.....	723	.....	.....
Enterprise Canal—Tub Springs	.....	557	557	557	.....	707	723	740	764
Ernest Canal No. 1—Niobrara River	.....	559	559	559	559	.....	.....	.....	.....
Ernest Canal No. 2—Niobrara River	.....	559	559	559	560	.....	.....	.....	.....
Excelsior Canal—Niobrara River	.....	560	560	560	560	.....	.....	.....	.....
F									
Fairfield Seep	.....	120	184	251	301	343	386	424	476
Fanning Seep	.....	120	184	252	302	343	386	425	476
Farmers Creek	.....	120	185	252	302	.....	.....	.....	.....
Farmers Canal—Frenchman River	.....	560	561	561	561	.....	.....	.....	.....
Fendrich Canal—Niobrara River	.....	.....	.....	.....	561	.....	.....	.....	.....
Finch Canal—Clear Creek	.....	.....	561	562	562	.....	.....	.....	.....
Flag Creek	.....	120	.....	252	302	.....	.....	.....	.....
Follett-Krotter Canal—Frenchman River	.....	562	562	562	562	.....	.....	.....	.....
Fremont Slough	.....	.....	185	252	302	.....	.....	.....	.....
French Canal—North Platte River	.....	.....	.....	.....	.....	708	.....	.....	.....
Frenchman River:									
—Maranville Reservoir	.....	121	185	252	302	344	387	425	.....
—Inman Canal	.....	121	185	253	303	345	388	426	.....
—Enders	.....	121	186	.....	.....	.....	.....	.....	.....
—Champion	.....	123	187	253	303	345	388	427	477
—Imperial	.....	123	188	254	304	347	389	.....	.....
—Wauneta	.....	123	188	254	304	347	390	.....	.....
—Palisade	.....	124	189	254	304	348	390	.....	.....
—Culbertson	.....	124	189	255	304	348	391	428	478
—Hamlet	.....	124	188	.....	304	.....	.....	427	477
Fuhrman Canal—Niobrara River	.....	563	563	563	563	.....	.....	.....	.....
Fuhrman Canal, South—Niobrara River	.....	.....	.....	563	563	.....	.....	.....	.....
G									
Gallup Canal—Chadron Creek	.....	.....	.....	563	564	.....	.....	.....	.....
Gatch Canal—from Springs	.....	564	564	564	564	.....	.....	.....	.....
Gebauer Drain	.....	.....	190	255	305	.....	.....	.....	.....
Gering Drain	.....	125	190	255	305	349	391	428	478
Gering Waste	.....	125	.....	255	.....	.....	.....	.....	.....
Gering Canal—North Platte River	.....	564	564	565	565	708	724	741	765
Gordon Creek	.....	125	190	255	305	.....	.....	.....	.....
Gothenburg Canal Waste—into Buffalo Creek	.....	.....	.....	.....	.....	.....	725	.....	479
Gothenburg Diversion Canal—Platte River	.....	566	567	567	568	709	725	742	765

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Gothenburg Irrigation Canal—Platte River	.....	568	569	569	569	708	724	.....	.....
Gothenburg Power Waste	.....	125	190	256	.....	349	392	429	479
Government Springs—Ft. Robinson	.....	126	191	256	305	.....	.....	.....	.....
Gracie Creek	.....	.....	191	256	.....	.....	.....	.....	.....
Graf Canal—Blue Creek	.....	570	570	571	571	.....	725	742	765
Gravel Creek (Sand)	.....	126	191	256	305	350	392	429	480
Great Western Sugar Factory Drain	.....	.....	192	.....	.....	.....	.....	.....	.....
Greenwood Creek	.....	127	192	256	306	.....	.....	.....	.....
Guernsey Reservoir (See North Platte River)									
Gunderson Canal—Lodgepole Creek	.....	571	572	572	.....	.....	.....	.....	.....
Guthrie Canal—Republican River	.....	.....	.....	572	.....	.....	.....	.....	.....
H									
Hackberry Lake	.....	.....	.....	288	.....	.....	.....	.....	.....
Haigler Canal—Republican River	.....	572	572	573	573	.....	.....	.....	.....
Haines Branch Creek	.....	127	192	257	.....	.....	.....	.....	.....
Hale Canal—Lodgepole Creek	.....	.....	573	.....	.....	.....	.....	.....	.....
Hall Canal—White River	.....	573	573	573	573	.....	.....	742	.....
Haney Canal—Lonergan Creek	.....	574	574	574	574	.....	.....	742	765
Hannah Canal—North Platte River	.....	575	575	575	575	.....	.....	743	766
Harper Canal—Clear Creek	.....	.....	575	.....	.....	.....	.....	.....	.....
Harris-Cooper Canal—White River	.....	575	575	.....	575	.....	.....	.....	766
Harris-Neece Canal—Niobrara River	.....	576	576	576	576	.....	.....	.....	----
Hartzell Canal—Little Bordeaux Creek	.....	576	576	576	576	.....	.....	.....	.....
Haskel Creek	.....	127	192	.....	.....	.....	.....	.....	.....
Hat Creek	.....	127	193	257	306	.....	.....	.....	.....
High Line Canal—Jim Creek	.....	.....	.....	577	577	.....	.....	.....	.....
Hitshew Canal—Niobrara River	.....	577	577	577	577	.....	.....	.....	.....
Hollingsworth Canal—South Platte River	.....	577	578	578	578	.....	725	743	766
Holloway-Phelps Canal—White Tail Creek	.....	579	579	579	579	.....	.....	743	766
Home Canal—Whistle Creek	.....	.....	.....	580	.....	.....	.....	.....	.....
Hooper Canal—Blue Creek	.....	580	580	580	581	.....	.....	743	767
Hoover Canal—Lodgepole Creek	.....	581	581	581	582	.....	.....	.....	.....
Horse Creek Canal—Horse Creek	.....	582	582	582	.....	.....	.....	.....	.....
Horse Creek	.....	128	193	257	306	350	393	430	480
Hoth Draw	.....	.....	194	.....	.....	.....	.....	.....	.....
Howard Canal—Lodgepole Creek	.....	583	583	583	583	.....	.....	.....	.....
Hughes Canal—Niobrara River	.....	583	583	583	583	.....	.....	.....	.....
Hurley-Lilly-Polly Canal—Lodgepole Creek	.....	584	584	584	584	.....	.....	.....	.....
I									
Ickes Canal—Lodgepole Creek	.....	584	585	585	.....	.....	.....	.....	.....
Imperial Power Canal—Frenchman River	.....	.....	.....	.....	585	.....	.....	.....	.....
Independent Canal—Lodgepole Creek	.....	585	585	586	586	.....	.....	.....	.....
Indian Creek	.....	128	194	258	307	351	394	431	481

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Inman Canal—Frenchman River	.....	586	586	587	587	.....	.....	.....	.....
Interstate Canal—North Platte River	.....	.....	.....	.....	.....	.....	.....	744	.....
Iowa Creek	.....	.....	.....	258	.....	.....	.....	.....	.....
J									
Jim Creek	.....	.....	195	258	307	.....	.....	.....	.....
Johnson Canal—Lodgepole Creek	.....	587	587	587	587	.....	.....	.....	.....
Jordan Canal—Monroe Creek	.....	.....	.....	.....	588	.....	.....	.....	.....
K									
Katzer Drain	.....	129	.....	.....	.....	352	.....	.....	.....
Kearney Canal—Platte River	.....	588	588	589	589	709	726	744	767
Keith-Lincoln County Drain	.....	129	195	259	308	.....	.....	431	481
Keith-Lincoln County Canal—North Platte River	.....	590	590	590	591	709	726	745	767
Kent-Burke Canal—Pawnee Creek	.....	591	591	592	592	.....	.....	745	767
Keya Paha River	.....	129	195	259	.....	.....	.....	.....	.....
Keystone Canal—White Tail Creek	.....	592	592	593	593	.....	.....	745	768
Kilpatrick Reservoir Intake Canal—Frenchman River	.....	.....	593	594	594	.....	.....	.....	.....
Kimball Canal—Lodgepole Creek	.....	594	594	594	594	.....	.....	.....	.....
King Canal—Lawrence Fork	.....	.....	595	595	.....	.....	.....	.....	.....
Kinney Canal—Lodgepole Creek	.....	595	595	595	596	.....	.....	.....	.....
Kreuger Canal No. 1—Lodgepole Creek	.....	596	596	596	596	.....	.....	.....	.....
Kreuger Canal No. 2—Lodgepole Creek	.....	597	597	597	.....	.....	.....	.....	.....
Kreuger Canal No. 3—Lodgepole Creek	.....	597	597	598	598	.....	.....	.....	.....
L									
Labelle Canal—Niobrara River	.....	598	598	598	598	.....	.....	.....	.....
Lakes, Sand Hill:									
—Carnine	.....	166	236	288	334	.....	.....	.....	.....
—East Valley	.....	.....	.....	288	.....	.....	.....	.....	.....
—Eli	.....	166	236	288	334	.....	.....	.....	.....
—Hackberry Lake	.....	.....	.....	288	.....	.....	.....	.....	.....
—Thompson	.....	.....	.....	288	.....	.....	.....	.....	.....
Lakotah Canal—Niobrara River	.....	598	598	598	599	.....	.....	.....	.....
Lamore Canal—North Platte River	.....	599	599	599	.....	.....	.....	.....	.....
Lane Drain	.....	130	196	260	308	353	395	432	482
Larabee Creek	.....	.....	.....	260	308	.....	.....	.....	.....
Last Chance Canal—Pumpkinseed Creek	.....	599	599	599	599	.....	.....	745	768
Lawrence Fork	.....	130	196	.....	.....	.....	.....	.....	.....
Leander Creek	.....	130	196	260	308	.....	.....	.....	.....
Lewellen Drain	.....	.....	196	260	308	.....	.....	432	482
Libby Canal No. 1—Lodgepole Creek	.....	600	600	600	600	.....	.....	.....	.....

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Libby Canal No. 2—Lodgepole Creek	.....	600	600	601	.....	.....	.....	.....	.....
Libby Canal No. 3—Lodgepole Creek	.....	601	601	601	.....	.....	.....	.....	.....
Lichte Canal—Niobrara River	.....	601	602	602	602	.....	.....	.....	.....
Lincoln County Drain No. 1	.....	130	196	260	309	353	395	433	483
Lincoln County Drain No. 2	.....	.....	197	261	309	.....	.....	433	483
Lingle Power Plant	.....	.....	.....	.....	.....	.....	.....	434	.....
Lisco Canal—Cold Water Creek	.....	.....	.....	.....	.....	.....	.....	746	.....
Lisco Canal—North Platte River	.....	602	602	603	603	709	726	746	768
Lodgepole Creek	.....	131	197	261	309	354	396	434	484
Logan Canal—North Platte River	.....	.....	.....	.....	.....	.....	.....	746	768
Logan Canal—Pumpkinseed Creek	.....	603	604	604	604	.....	.....	.....	.....
Logan Creek	.....	.....	.....	263	.....	.....	.....	.....	.....
Lonergan Creek	.....	134	201	263	313	358	400	439	484
Looking Glass Creek	.....	.....	202	.....	.....	.....	.....	.....	.....
Lost Creek	.....	134	202	264	313	.....	.....	439	485
Loup River:									
—Genoa	.....	137	205	.....	315	.....	.....	441	486
—Columbus	.....	137	205	265	315	.....	.....	441	.....
Loup River, Middle:									
—Dunning	.....	135	203	264	.....	.....	.....	.....	.....
—Sargent	.....	135	203	264	314	.....	.....	.....	.....
—St. Paul	.....	136	204	265	314	.....	.....	440	486
Loup River, North:									
—Burwell	.....	134	203	264	.....	.....	.....	.....	.....
—Taylor	.....	134	202	264	313	.....	.....	.....	.....
—St. Paul	.....	135	203	264	314	.....	.....	440	485
Loup River, South:									
—Calloway	.....	136	204	265	.....	.....	.....	.....	.....
—Pleasanton	.....	136	205	265	.....	.....	.....	.....	.....
Louse Creek	.....	137	205	265	.....	.....	.....	.....	.....
Lovely Creek	.....	.....	206	265	315	.....	.....	.....	.....
Lundy Power Canal—Middle Loup River	.....	604	604	604	604	.....	.....	.....	.....
Lyngholm Canal—Lodgepole Creek	.....	604	605	605	.....	.....	.....	.....	.....
Lyons Canal—North Platte River	.....	605	605	605	606	710	727	746	769
M									
McAuliffe Canal—Lodgepole Creek	.....	606	606	606	.....	.....	.....	.....	.....
McCarthy Canal—White Tail Creek	.....	607	607	607	608	.....	.....	.....	.....
McCoy Drain	.....	.....	.....	265	.....	.....	.....	.....	.....
McDonald Canal—Republican River	.....	608	608	609	609	.....	.....	.....	.....
McFadden Canal—Willow Creek	.....	.....	.....	609	609	.....	.....	.....	.....
McFarland Canal—White Clay Creek	.....	610	610	610	610	.....	.....	747	.....
McGinley-Stover Canal, North—Niobrara River	.....	610	610	610	610	.....	.....	.....	.....
McGinley-Stover Canal, South—Niobrara River	.....	611	611	611	611	.....	.....	.....	.....
McGuire Slough	.....	138	206	266	315	.....	.....	.....	.....
McIntosh Canal—Lodgepole Creek	.....	611	611	611	612	.....	.....	.....	.....
McLaughlin Canal—Lodgepole Creek	.....	612	612	612	612	.....	.....	.....	.....

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
McLaughlin Canal—Niobrara River	.....	612	613	613	613	.....	.....	.....	.....
Maltese Cross Canal—Lodgepole Creek	.....	613	613	613	.....	.....	.....	.....	.....
Maple Creek—Fremont	.....	.....	.....	266	.....	.....	.....	.....	.....
Maranville Canal—Frenchman River	.....	613	614	614	614	.....	.....	.....	.....
Medicine Creek	.....	138	206	266	315	359	400	442	.....
Meeker Canal—Republican River	.....	615	615	615	616	710	727	747	769
Meglemre Canal—Greenwood Creek	.....	616	.....	616	616	.....	.....	.....	.....
Melbeta Drain (Seep)	.....	138	207	266	316	359	401	442	487
Meredith-Ammer Canal—Pumpkinseed Creek	.....	616	.....	616	616	.....	.....	747	769
Meridian Canal—Niobrara River	.....	617	617	617	617	.....	.....	.....	.....
Mettlen Canal—Niobrara River	.....	617	.....	617	617	.....	.....	.....	.....
Midland-Overland Canal—North Platte River	.....	618	618	618	618	710	727	747	769
Miller Canal (Knight)—Skunk Creek	.....	619	619	619	619	.....	.....	.....	.....
Miller Canal, West Branch—Skunk Creek	.....	.....	620	620	620	.....	.....	.....	.....
Minatare Canal—North Platte River	.....	620	620	621	621	710	727	748	770
Minnechaduza Creek	.....	139	207	266	316	.....	.....	.....	.....
Mira Creek	.....	139	207	267	.....	.....	.....	.....	.....
Mitchell Canal—Lodgepole Creek	.....	621	621	621	.....	.....	.....	.....	.....
Mitchell Canal—North Platte River	.....	622	622	622	622	711	728	748	.....
Mitchell Sugar Factory Canal— Dry Spotted Tail Creek	.....	622	622	.....	.....	.....	.....	.....	.....
Mitchell Spillway—Tri-State Canal	.....	139	207	267	316	360	.....	443	487
Monroe Canal—Monroe Creek	.....	.....	.....	623	623	.....	.....	.....	.....
Monroe Creek	.....	.....	.....	267	316	.....	.....	.....	.....
Montague Canal—Niobrara River	.....	623	623	623	623	.....	.....	.....	.....
Montgomery Canal—Sow Belly Creek	.....	.....	.....	624	624	.....	.....	.....	.....
Moore Canal—Niobrara River	.....	624	624	624	624	.....	.....	.....	.....
Morrill Drain	.....	139	208	267	316	360	.....	443	.....
Mud Creek	.....	.....	209	.....	.....	.....	.....	.....	.....
Muddy Creek	.....	140	208	267	316	361	401	444	.....
Mutual Canal—Pumpkinseed Creek	.....	.....	.....	624	624	.....	.....	.....	770

N

Nasland Canal—Lodgepole Creek	.....	625	625	625	.....	.....	.....	.....	.....
Nelson Canal—Greenwood Creek	.....	625	625	625	625	.....	.....	.....	.....
Nemaha River	.....	.....	209	268	.....	.....	.....	.....	.....
Neuman Canal No. 1—Lodgepole Creek	.....	625	625	626	626	.....	.....	.....	.....
Neuman Canal No. 2—Lodgepole Creek	.....	626	626	626	.....	.....	.....	.....	.....
Nine Mile Canal—North Platte River	.....	627	627	627	627	711	728	748	770
Nine Mile Drain	.....	.....	.....	270	317	.....	.....	444	488
Niobrara River:									
—Wyoming-Nebraska Line	.....	141	209	268	317	.....	.....	.....	.....
—Harrison	.....	141	209	268	317	.....	.....	.....	.....
—Agate	.....	141	209	268	317	.....	.....	.....	.....
—Mouth of Whistle Creek	.....	141	210	269	318	.....	.....	.....	.....
—Marsland	.....	141	210	269	318	361	.....	.....	.....
—Dunlap	.....	142	210	269	318	362	.....	445	488

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Niobrara River—Continued									
—Gordon	.....	142	210	269	318	.....	402	445	.....
—South of Eli, Crane Bridge	.....	142	210	269	.....	.....	.....	.....	.....
—Valentine	.....	142	211	269	318	.....	.....	446	.....
—Spencer	.....	143	211	.....	.....	.....	402	446	.....
—Lynch	.....	143	211	270	.....	.....	.....	.....	.....
Nissen Canal—Sand Creek	.....	628	628	628	628	.....	.....	.....	.....
Norfolk River	.....	143	211	.....	.....	.....	.....	.....	.....
Norman Canal—White River	.....	629	629	629	629	.....	.....	.....	.....
North Platte Canal—North Platte River	.....	630	630	630	631	711	728	748	771
North Platte River (See Platte Rivers)									
Northport Canal—North Platte River	.....	631	631	631	632	.....	728	.....	771
Northport Canal—North Platte River and Drains	.....	.....	.....	.....	.....	.....	.....	749	.....
North River Canal—North Platte River	.....	632	632	632	633	711	729	749	771
North River and Lisco Canals—North Platte River	.....	633	634	634	.....	.....	.....	.....	.....
O									
Oak Creek	.....	143	211	270	319	.....	.....	.....	.....
Oasis Canal—Snake Creek	.....	.....	.....	634	634	.....	.....	.....	.....
Oberfelder Canal—Lodgepole Creek	.....	634	635	635	635	.....	.....	.....	.....
Omaha Creek	.....	.....	.....	270	.....	.....	.....	.....	.....
Orchard-Alfalfa Canal—Platte River	.....	636	637	637	638	712	729	749	771
Orchard-Alfalfa Canal—Thirty Mile Wasteway	.....	636	.....	.....	.....	.....	.....	.....	.....
Oshkosh Canal—North Platte River	.....	638	638	638	639	712	729	749	772
Otter Creek	.....	143	211	270	319	362	403	447	489
Otter Creek Canal—Otter Creek	.....	639	639	640	640	.....	.....	750	772
Owasco Canal—Lodgepole Creek	.....	640	640	641	641	.....	.....	.....	.....
Ox Yoke Canal—Ash Creek, East Branch	.....	641	641	641	641	.....	.....	.....	.....
P									
Paisley Canal—Blue Creek	.....	642	642	642	642	.....	.....	750	772
Papillion Creek—Little (Cole Creek)	.....	144	212	270	319	.....	.....	.....	.....
Parks Canal—Republican River	.....	643	643	643	643	.....	.....	.....	.....
Pathfinder Reservoir (See Platte Rivers)									
Patrick Canal—Sand Creek	.....	644	644	644	644	.....	.....	.....	772
Pawnee Creek	.....	144	212	271	320	363	403	447	489
Paxton Canal—South Platte River	.....	647	647	647	648	.....	.....	750	.....
Paxton-Hershey Canal—North Platte River	.....	645	646	646	646	712	729	750	773
Pepper Creek	.....	.....	213	271	.....	.....	.....	.....	.....
Persinger Canal—Lodgepole Creek	.....	648	648	648	648	.....	.....	.....	.....
Peters Canal—Pumpkinseed Creek	.....	649	649	649	.....	.....	.....	.....	.....
Phelan Canal—Rock Creek	.....	649	649	649	.....	.....	.....	.....	.....
Pine Creek	.....	144	213	271	320	.....	.....	.....	.....
Pioneer Canal—Niobrara River	.....	650	650	650	650	.....	.....	.....	.....

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Platte Rivers:									
Platte River, North:									
—Into Pathfinder Reservoir	7	.....	.....	.....	.....	61	71	81	93
—Pathfinder (Storage, pp. 61, 71, 81, 93)									
—Outflow of Pathfinder	.....	.....	.....	.....	.....	62	72	82	94
—Into Guernsey Reservoir	7	.....	.....	.....	.....	63	73	83	95
—Guernsey (Storage, pp. 62, 72, 82, 94)									
—Outflow of Guernsey Reservoir	.....	.....	.....	.....	.....	63	73	83	95
—Above Whalen	.....	.....	.....	.....	.....	64	74	.....	.....
—Whalen	7	.....	.....	.....	.....	64	74	84	96
—Torrington	8	15	24	34	49	65	75	84	96
—Henry	8	15	24	34	49	65	75	85	97
—South of Tri-State Waste	.....	.....	.....	35	50	.....	.....	85	.....
—Mitchell	9	16	25	36	50	66	76	86	97
—Minatare	10	16	25	36	51	66	76	86	98
—Bridgeport	10	17	25	37	51	67	77	87	98
—Lisco	11	.....	.....	38	52	.....	.....	.....	99
—Oshkosh	11	17	26	38	53	67	77	87	99
—Lewellen	.....	.....	.....	38	53	.....	.....	88	.....
—Sutherland	.....	.....	26	39	53	.....	.....	88	100
—North Platte	12	18	26	39	53	68	78	89	100
Platte River, South:									
—Julesburg	12	18	27	40	54	68	78	89	101
—Ogallala	.....	20	30	44	56	.....	.....	90	101
—North Platte	13	20	31	44	57	69	79	90	102
Platte River:									
—Brady Island	.....	.....	31	45	58	.....	.....	.....	.....
—Gothenburg	.....	21	31	45	58	.....	.....	91	.....
—Cozad	.....	21	32	46	58	.....	.....	.....	102
—Overton	13	21	32	46	58	69	79	91	103
—Elm Creek	.....	22	.....	47	59	.....	.....	.....	.....
—Duncan	14	22	32	47	59	70	80	92	103
—Columbus	.....	22	.....	.....	.....	.....	.....	.....	.....
—South of Fremont	.....	23	.....	.....	.....	.....	.....	.....	.....
—Ashland	14	23	33	48	60	70	80	92	104
—Plattsmouth	.....	23	.....	.....	.....	.....	.....	.....	.....
Plum Creek	.....	144	213	271	320	.....	.....	448	490
Pomeroy Canal—Lodgepole Creek	.....	651	651	651	.....	.....	.....	.....	.....
Ponca Creek	.....	144	213	271	.....	.....	.....	.....	.....
Prairie Creek	.....	145	213	272	.....	.....	.....	.....	.....
Premier Canal—Lodgepole Creek	.....	651	651	652	652	.....	.....	.....	.....
Pullen Drain	.....	145	.....	.....	.....	363	.....	.....	.....
Pumpkinseed Creek	.....	145	214	272	320	364	404	448	490

R

Ralton Canal—Lodgepole Creek	.....	652	652	652	652	.....	.....	.....	.....
Ramshorn Canal—North Platte River	.....	653	653	653	653	712	730	751	773
Randall Canal—Lawrence Fork	.....	.....	.....	654	654	.....	.....	.....	.....

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Rasher Canal—White River	.....	.....	654	654	654	.....	.....	.....	.....
Red Bird Creek	.....	146	215	272	.....	.....	.....	.....	.....
Red Willow Creek	.....	146	215	273	321	365	404	449	491
Republican River:									
—Colorado-Nebraska Line	.....	147	216	273	322	366	405	.....	491
—Sanborn	.....	147	216	273	322	366	.....	450	.....
—Benkelman	.....	148	216	274	322	367	.....	450	492
—Max	.....	149	217	274	322	.....	.....	451	492
—Culbertson	.....	149	218	274	322	368	.....	452	493
—McCook	.....	149	218	274	322	368	.....	452	.....
—Holbrook	.....	150	218	.....	323	.....	.....	.....	.....
—Oxford	.....	.....	219	275	323	.....	.....	.....	.....
—Bloomington	.....	150	219	.....	323	.....	.....	453	493
—Bostwick	.....	150	219	275	323	.....	.....	453	.....
—Superior	.....	150	219	275	323	.....	.....	.....	.....
—Hardy	.....	.....	.....	.....	323	.....	.....	.....	494
Riverside Canal—Frenchman River	.....	654	654	655	655	.....	.....	.....	.....
Roberts Canal—Dry Spotted Tail Creek	.....	655	655	.....	655	.....	.....	.....	.....
Rock Creek	.....	151	219	275	323	369	406	454	.....
Runge Canal No. 1—Lodgepole Creek	.....	655	655	656	656	.....	.....	.....	.....
Runge Canal No. 2—Lodgepole Creek	.....	656	656	657	.....	.....	.....	.....	.....
Rush Creek	.....	151	220	275	324	.....	.....	.....	.....
Rush Creek Canal—North Platte River	.....	657	657	657	657	.....	730	751	773
Rutner Canal—Lodgepole Creek	.....	657	658	658	.....	.....	.....	.....	.....
Rutner Brothers Canal—Lodgepole Creek	.....	658	658	659	.....	.....	.....	.....	.....
Rutner-Kinney Canal—Lodgepole Creek	.....	659	659	659	.....	.....	.....	.....	.....
S									
Salt Creek	.....	151	220	275	.....	.....	.....	.....	.....
Sand Creek	.....	152	220	276	324	369	406	454	494
Sand Creek Canal, East—Gravel Creek	.....	659	659	660	660	.....	.....	.....	.....
Sand Creek Canal, West—Gravel Creek	.....	660	660	660	660	.....	.....	.....	.....
Sand Hill Lakes (See Lakes)									
Sandy Creek	.....	.....	221	276	.....	.....	.....	.....	.....
Sappa Creek	.....	.....	.....	277	324	.....	.....	.....	.....
Sarben Slough	.....	.....	221	277	324	.....	.....	.....	495
Schermerhorn Canal—North Platte River	.....	.....	.....	660	660	.....	.....	751	773
Schlagel Creek	.....	152	221	277	325	.....	.....	.....	.....
School Creek	.....	152	.....	.....	.....	.....	.....	.....	.....
Scottsbluff Drain	.....	.....	221	277	.....	370	407	455	.....
Scottsbluff Drain No. 1	.....	153	.....	.....	325	.....	.....	.....	495
Scottsbluff Drain No. 2	.....	.....	.....	.....	325	.....	.....	.....	496
Scottsbluff Factory Canal—Winters Creek	.....	.....	.....	.....	661	.....	.....	.....	774
Sheep Creek	.....	153	221	277	325	370	407	455	496
Sheldon Canal—East Ash Creek	.....	.....	.....	661	661	.....	.....	.....	.....
Shell Creek	.....	153	222	278	.....	.....	.....	.....	.....
Shepherd Canal—Squaw Creek	.....	.....	.....	661	661	.....	.....	.....	.....

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Sheridan-Wilson Canal—North Platte River	.....	662	662	663	662	.....	730	751	774
Short Line Canal—North Platte River	.....	663	663	664	664	713	730	752	774
Signal Bluff Canal—North Platte River	.....	664	664	664	665	.....	730	752	774
Silver Creek	.....	154	222	278	.....	.....	.....	.....	.....
Silvernail Drain	.....	154	222	278	326	371	408	456	497
Simons Canal—White River	.....	665	665	665	666	.....	.....	.....	.....
Six Mile Canal—Platte River	.....	666	666	667	667	713	730	752	775
Skunk Creek	.....	154	223	278	326	371	408	456	497
Slattery Canal—Dead Horse Creek	.....	667	667	667	668	.....	.....	.....	.....
Smeed Canal—Lodgepole Creek	.....	.....	668	.....	668	.....	.....	.....	.....
Smith Canal—Lodgepole Creek	.....	668	668	.....	669	.....	.....	.....	.....
Smith Pump	.....	.....	223	.....	.....	.....	.....	.....	.....
Snake Creek	.....	155	223	278	326	.....	.....	.....	.....
Snake River	.....	155	224	279	326	.....	.....	.....	.....
Snell and Nine Mile Drains	.....	155	224	.....	.....	372	409	.....	.....
Soderquist Canal—Lodgepole Creek	.....	669	669	669	669	.....	.....	.....	.....
Soehl Canal—Lonergan Creek	.....	669	669	670	670	.....	.....	.....	.....
Soldier Creek	.....	155	224	279	326	.....	.....	.....	.....
Soldier Creek Canal—Soldier Creek	.....	.....	671	671	671	.....	.....	.....	.....
Sow Belly Creek	.....	156	224	279	327	.....	.....	.....	.....
Sow Belly Canal—Sow Belly Creek	.....	.....	.....	672	672	.....	.....	.....	.....
Spohn Canal—North Platte River	.....	672	672	672	673	713	731	752	775
Spotted Tail Creek, Dry	.....	156	224	279	327	372	409	457	498
Spotted Tail Creek, Wet	.....	156	225	.....	.....	.....	.....	.....	.....
Spotted Tail Creek, Wet and Kronberg Seep	.....	156	225	279	327	373	410	457	498
Spring Creek	.....	157	225	280	327	.....	.....	.....	499
Spring Creek Canal No. 1—Spring Creek	.....	673	673	673	673	.....	.....	.....	.....
Spring Creek Canal No. 2—Spring Creek	.....	673	673	674	674	.....	.....	.....	.....
Squaw Creek	.....	157	226	280	328	.....	.....	.....	.....
Stafford Canal—Willow Creek	.....	.....	674	674	674	.....	.....	.....	.....
Steamboat Canal—North Platte River	.....	675	675	675	675	.....	.....	753	.....
Stewarts Drain	.....	158	226	280	328	373	410	458	.....
Stinking Water Creek	.....	158	227	281	328	374	411	458	.....
Strever Creek	.....	158	227	281	329	.....	.....	.....	499
Stuart Canal—Little Cottonwood Creek	.....	675	675	675	675	.....	.....	.....	.....
Stuart-Golden Canal—Little Cottonwood Creek	.....	.....	.....	676	676	.....	.....	.....	.....
Stumph Canal—East Ash Creek	.....	676	676	677	677	.....	.....	.....	.....
Suburban Canal—North Platte River	.....	677	677	678	678	713	731	753	775
Sudman Canal—Lodgepole Creek	.....	678	678	679	.....	.....	.....	.....	.....
T									
Thirty Mile Canal—Platte River	.....	679	679	680	680	714	731	753	775
Thirty Mile Canal Waste	.....	.....	.....	.....	.....	714	.....	.....	500
Thomas Canal—East Ash Creek	.....	.....	.....	680	680	.....	.....	.....	.....
Thomas Canal—Big Bordeaux Creek	.....	681	681	681	681	.....	.....	.....	.....
Thomas Canal—Squaw Creek	.....	.....	.....	681	681	.....	.....	.....	.....
Thompson Creek	.....	159	228	282	329	.....	.....	.....	.....
Thompson Lake	.....	.....	.....	288	.....	.....	.....	.....	.....

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Timber Creek	.....	159	229	282	329	.....	.....	.....	.....
Tobin Canal—Lodgepole Creek	.....	.....	681	682	682	.....	.....	.....	.....
Toohey Drain	.....	159	229	282	329	374	411	459	500
Toohey Spillway—Tri-State Canal	.....	160	229	282	330	375	412	459	501
Tracy Canal—Lodgepole Creek	.....	682	682	682	683	.....	.....	.....	.....
Trinnier Canal—Greenwood Creek	.....	683	683	683	683	.....	.....	.....	.....
Tri-State Canal—Total diverted from drains into	.....	.....	.....	.....	.....	.....	731	.....	.....
Tri-State Canal—North Platte River	.....	683	683	684	684	716	732	753	776
Tri-State Canal, Lateral No. 1—North Platte River	.....	.....	.....	.....	686	.....	.....	.....	776
Tri-State Canal, Lateral No. 2—North Platte River	.....	.....	.....	.....	686	.....	.....	.....	776
Tri-State Canal—Sheep Creek	.....	.....	685	685	686	715	732	754	777
Tri-State Canal—Akers Draw	.....	685	685	.....	685	716	732	754	776
Tri-State Canal—Dry Spotted Tail Creek	.....	.....	.....	687	687	.....	.....	754	777
Tri-State Canal—Wet Spotted Tail Creek	.....	687	687	687	688	716	732	754	777
Tri-State Canal—Tub Springs	.....	688	.....	688	689	.....	.....	755	777
Tri-State Canal—Delivered to Northport Irrigation District	.....	.....	.....	.....	.....	716	.....	.....	.....
Tri-State Canal—Moffat Drain	.....	.....	.....	689	689	.....	.....	755	.....
Tri-State Canal—Waste into Nine Mile Drain	.....	.....	.....	.....	.....	715	.....	.....	.....
Tri-State Canal—Waste into Alliance Drain	.....	.....	.....	689	689	.....	.....	755	778
Tri-State Canal—Waste into Mitchell Spillway	.....	.....	.....	.....	.....	714	.....	.....	.....
Tri-State Canal—Waste into Red Willow Waste	.....	.....	.....	.....	.....	714	.....	.....	.....
Tri-State Canal—Waste into Winters Creek	.....	.....	.....	.....	.....	715	.....	.....	.....
Tri-State Canal—into Wild Horse Drain	.....	.....	.....	.....	.....	715	.....	.....	.....
Trognitz Canal—Lodgepole Creek	.....	689	690	690	.....	.....	.....	.....	.....
Trunk Butte Creek	.....	160	230	282	330	.....	.....	.....	.....
Tub Springs	.....	160	230	283	330	375	412	460	501
Turkey Creek	.....	161	231	283	331	.....	.....	.....	.....
Turtle Creek	.....	161	231	284	.....	.....	.....	.....	.....
U									
Union Canal—Blue Creek	.....	690	690	690	691	.....	733	755	778
Union Creek	.....	161	231	284	.....	.....	.....	.....	.....
Urbach Canal—Lodgepole Creek	.....	691	692	692	.....	.....	.....	.....	.....
V									
Verdigree Creek	.....	.....	231	284	.....	.....	.....	.....	.....
Victoria Canal—Victoria Creek	.....	692	.....	692	.....	.....	.....	.....	.....
Victoria Creek	.....	161	231	284	.....	.....	.....	.....	.....
W									
Wahoo Creek	.....	161	231	284	331	.....	.....	.....	.....

	Gaging Station	Measurements 1929	1930	1931	1932	Daily Discharge 1929	1930	1931	1932
Walker Canal—Lodgepole Creek	.....	692	692	.....	693	.....	.....	.....	.....
Warbonnett Canal—Warbonnett Creek	.....	.....	.....	693	693	.....	.....	.....	.....
Warbonnett Creek	.....	.....	232	284	331	.....	.....	.....	.....
Warneke Canal—Niobrara River	.....	693	693	693	694	.....	.....	.....	.....
Weigand Canal—Lodgepole Creek	.....	694	694	694	.....	.....	.....	.....	.....
Wertz Brothers Canal—Lodgepole Creek	.....	695	696	696	.....	.....	.....	.....	.....
Western Canal—South Platte River	.....	696	697	697	697	717	733	756	778
Whistle Creek	.....	161	232	284	331	.....	.....	.....	.....
White Clay Creek	.....	162	232	284	331	.....	.....	.....	.....
White Horse Creek	.....	162	232	285	332	376	413	462	503
Whitemans Fork	.....	.....	.....	285	.....	.....	.....	.....	.....
White River Canal—White River	.....	697	697	697	698	.....	.....	.....	.....
White River:									
—Crawford	.....	162	232	285	331	.....	.....	461	502
—Whitney Dam	.....	162	233	285	332	376	.....	460	.....
—Chadron	.....	163	233	286	332	377	.....	461	502
White Tail Creek	.....	163	233	286	333	377	413	462	503
Whitney Pipe Line—White River	.....	698	698	698	698	718	.....	.....	778
Whitney Reservoir (Storage, p. 718)									
Wickersham Canal—Boggy Creek	.....	699	.....	699	699	.....	.....	.....	.....
Wild Horse Drain	.....	164	234	286	333	378	414	463	.....
Wilds Canal—Lodgepole Creek	.....	699	699	699	.....	.....	.....	.....	.....
Willow Creek	.....	164	234	286	333	378	414	463	504
Winters Creek	.....	165	234	287	333	379	415	464	504
Winters Creek Canal—North Platte River	.....	700	700	700	700	717	733	756	779
Winters Creek Canal—Winters Creek	.....	701	701	701	701	717	733	756	779
Wolf Canal—Lodgepole Creek	.....	701	701	702	.....	.....	.....	.....	.....
Wood River	.....	165	235	287	.....	.....	.....	.....	.....
Woodruff Canal—Jim Creek	.....	.....	.....	702	702	.....	.....	.....	.....
Z									
Zimmerman Canal—Sow Belly Creek	.....	702	702	702	702	.....	.....	.....	.....