

STATE OF NEBRASKA  
DEPARTMENT  
OF  
PUBLIC WORKS  
REPORT OF SECRETARY  

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1927-1928

Seventeenth Biennial Report

of the

# Department of Public Works

to

HONORABLE ADAM McMULLEN  
GOVERNOR OF THE STATE OF NEBRASKA

Lincoln, Nebraska

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1927-1928

"Section 8421. REPORTS OF DEPARTMENT. The department of public works shall prepare and render to the governor, biennially, and oftener if required, full and true reports of the work of the department of public works touching all of the matters and duties devolving upon said department of public works by virtue of its office."

In compliance with the above section, the following report is respectfully submitted:

#### BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE

It is interesting to note that there has been a considerable increase during the past few years in the area irrigated from the streams of this state. In 1920, there were 471,000 acres under irrigation, this being increased until in 1927, there was a total area of 650,000 acres under irrigation; or a total increase in the seven years of 38%. There is a growing demand for irrigation, both by direct flow from streams and pump irrigation, and it is expected that within the next few years the Platte River which is the principal irrigation stream of this state, will be utilized almost 100% for irrigation purposes.

During the present biennium, one of the interesting projects developed was that put through by the Thirty mile Canal Company, it being financed without bonds and was entirely paid for by the owners when completed.

During the biennium, the largest power development completed was that of the Northern Nebraska Power Company located across the Niobrara River south of Spencer, Nebraska.

#### BUREAU OF ROADS AND BRIDGES

The accomplishments of the Bureau of Roads and Bridges during the past two years consist of 707 miles being brought to a permanent grade, including necessary culverts, bridges and guard rail, 1277 miles of gravel surfacing, 10 miles of hard surface pavement, and 6 miles of experimental stretches of oil treated sand gravel. The total number of bridges constructed during the two-year period amounted to 119; and included such major structures as bridges across the Platte River near Gothenburg and across the same stream near Duncan; two bridges across the North Platte River, one being at Lisco and one at Hershey; across the Elkhorn River near Ewing, Oakdale, and Norfolk; across the North Loup River near Scotia; and across the Niobrara River north of Newport.

The above has been accomplished without any bond issues on a pay-as-you-go basis, and at a rate of financing far below the general average of the United States as a whole. For example, the average gas tax for the entire country is 62% higher than it is for Nebraska. The average auto registration fee for the entire United States amounts to 30% more than it does in Nebraska.

The expenditures of state funds each year in many middle western states amounts to as much as the total expenditures to date, or for the last ten years of state funds for construction in Nebraska.

Attention is called to records of traffic count in this report in connection with which it is to be noted that there has been an increase of motor vehicle ownership during the past year of about 3% over any previous year, while the traffic increase during the same period has been about 24%. In other words, the traffic increase has been about eight times as great as has been the increase in motor vehicle ownership. It is to be noted also that there has been a considerable change in the character of traffic each year showing a growing tendency to increase the burden of transportation on the highways with truck and bus travel. With this increase continuing, it appears certain that a higher type than gravel surface will soon be required on a small per cent of the state and federal highway system. It is thought that building a gravel surface on the state highway system as a whole is a sound public policy, however, it is probable that at least 5% of the total system will soon require a higher type surface to take care of the increased traffic and particularly the heavier type of traffic.

The condition created by increased traffic together with the additional mileage of graveled roads coming under maintenance each year is adding quite materially to the total maintenance cost of the state highway system and reducing the amount of state funds available for construction.

There are 2400 miles of state highway not on the federal highway system, this being represented by about 600 miles of statutory state highways originally designated which were not placed on the federal system and about 1800 miles added by the last legislature. Federal aid cannot be had on any of this 2400 miles. Under the state apportionment law, it will be necessary to carry on construction of these non-federal routes, which together with the increased cost of maintenance will decrease the funds available to meet federal aid; and at the present rate of financing will probably mean that instead of catching up on surplus federal aid amounting to three and one-half million dollars after next January 1st, the state will probably not be able to quite meet current federal aid appropriations.



There are a number of county seats from which there is not an all weather graveled road connection to points outside of the county. There are also a few gaps on important highways where the legal apportionment of funds is not sufficient to construct these important connections. It is recommended that whether additional funds are made available to the state or not, that in any event a separate fund be made available for closing up these gaps, such fund to supplement the legal county apportionments, and to be taken from the total construction fund before apportionments are made.

Respectfully submitted

November 30, 1928.

R. L. COCHRAN  
Secretary and State Engineer

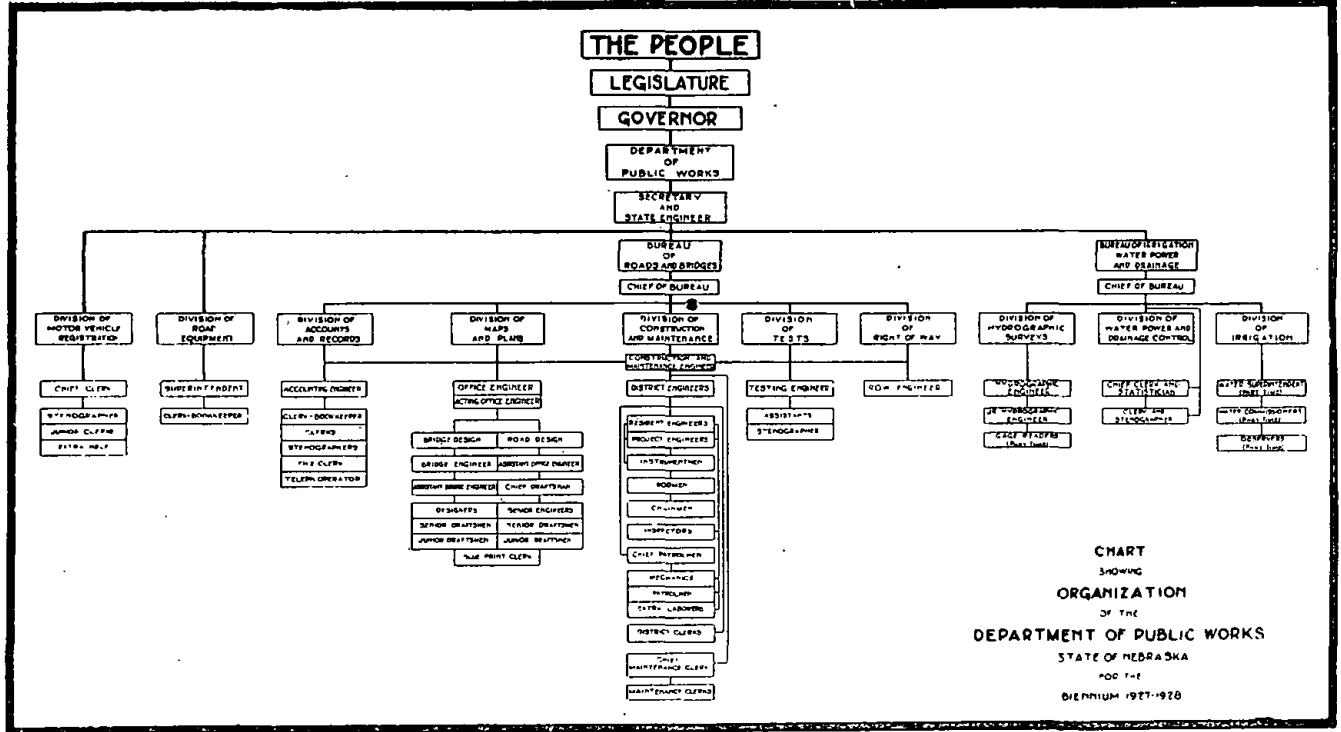


CHART  
 SHOWING  
 ORGANIZATION  
 OF THE  
 DEPARTMENT OF PUBLIC WORKS  
 STATE OF NEBRASKA  
 FOR THE  
 BIENNIAL 1927-1928

PART I  
BUREAU OF ROADS AND BRIDGES  
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DEPARTMENT OF PUBLIC WORKS

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LIST OF EXECUTIVES AND LENGTH OF  
SERVICE WITH  
DEPARTMENT OF PUBLIC WORKS

R. L. Cochran, Secretary.....11 yrs. 5<sup>h</sup> mo.

BUREAU OF ROADS & BRIDGES

A. T. Lobdell, Chief Bureau..... 9 yrs. 4 mo  
A. M. Gaddis, Construction & Maintenance Engr..... 9 yrs. 9 mo.  
F. H. Klietsch, District Engineer No. 1..... 8 yrs. 1 mo.  
Edwin Olmstead, District Engineer No. 2..... 7 yrs. 8 mo.  
A. C. Tilley, District Engineer No. 3..... 9 yrs. 7 mo.  
F. C. Rolls, District Engineer No. 4..... 9 yrs. 7 mo.

T. C. Middleswart, District Engineer No. 5..... 9 yrs. 8 mo.  
Fred C. Smith, District Engineer No. 6..... 6 yrs. 9 mo.  
Chas. Eubank, District Engineer No. 7..... 8 yrs. 0 mo.  
W. H. Bauman, District Engineer No. 8..... 8 yrs. 0 mo.  
A. G. Williams, R. O. W. Engineer..... 1 yr. 9 mo.  
Robert J. Boyd, Office Engineer..... 9 yrs. 1 mo.  
Robert W. Culwell, Acting Office Engineer..... 9 yrs. 1 mo.  
Edwin J. Babcock, Ass't. Office Engineer..... 7 yrs. 5 mo.  
John G. Mason, Bridge Engineer..... 2 yrs 3 mo  
Alfred L. Ogle, Acting Bridge Engineer..... 9 yrs. 6 mo.  
L. W. Husted, Accounting Engineer..... 8 yrs. 0 mo.  
C. M. Duff, Testing Engineer..... 6 yrs. 3 mo.

BUREAU OF IRRIGATION, WATER POWER & DRAINAGE

Robert H. Willis, Chief.....33 yrs. 6 mo.  
John J. Rasmussen, Superintendent Division 2-D..... 2 yrs. 0 mo.  
K. I. Ward, Statistician.....11 yrs. 6 mo.  
A. W. Hall, Hydrographer-Draftsman..... 9 yrs. 6 mo.  
A. E. Johnston, Hydrographer..... 8 yrs. 8 mo.  
C. E. Franklin, Hydrographer..... 3 yrs. 7 mo.  
W. F. Chaloupka, Water Commissioner, Dist. 2, Div. 1-A 16 yrs. 0 mo.  
O. M. Finley, Water Commissioner, Dist. 1, Div. 1-A..... 8 yrs. 7 mo.  
S. C. Peterson, Water Commissioner, Dist. 5, Div. 1-A..... 1 yr. 6 mo.  
R. F. Nosky, Water Commissioner, Dist. 6, Div. 1-A..... 3 yrs. 6 mo.  
P. M. Whitehead, Water Commissioner, Dist. 1, Div. 1-B 4 yrs. 5 mo.  
S. B. Hanna, Water Commissioner, Dist. 1, Div. 1-E..... 3 yrs. 7 mo.  
Chas. Gardner, Water Commissioner, Dist. 2, Div. 1-E..... 2 yrs. 10 mo.  
Fred Hood, Water Commissioner, Dist. 1, Div. 2-D..... 2 yrs. 10 mo.

DIVISION OF MOTOR VEHICLE REGISTRATION

Mabel G. Tracy, Chief..... 9 yrs. 10 mo.

## REGULAR EMPLOYEES OF THE DEPARTMENT OF PUBLIC WORKS, 1927

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Secretary .....	1	1	1	1	1	1	1	1	1	1	1	1
Chief Bureau Roads.....	1	1	1	1	1	1	1	1	1	1	1	1
Maintenance and Construction Engineers.....	1	1	1	1	1	1	1	1	1	1	1	1
District Engineers.....	8	8	8	8	8	8	8	8	8	8	8	8
R. O. W. Engineer.....					1	1	1	1	1	1	1	1
Clerical and Records.....	11	10	10	20	16	14	12	12	13	12	12	12
Motor Vehicle.....	11	18	21	20	18	17	17	17	12	14	16	16
Irrigation Office.....	4	4	6	6	6	6	6	7	6	6	6	6
Observers, Water.....	8	8	8	8	8	8	8	8	8	8	8	8
Commissioners, Water.....	10	10	10	10	10	10	10	10	10	10	10	10
Equipment Division.....	4	4	4	4	4	4	4	4	5	6	6	6
Maps, Plans and Construction Division Office Engineer.....	1	1	1	1	1	1	1	1	1	1	1	1
Assistant Office Engineers.....	2	2	2	2	2	2	2	2	2	2	2	2
Bridge Engineers.....	9	10	11	9	9	10	9	9	10	11	11	11
Sr. Engineers, Draftsmen.....	11	22	23	24	34	31	31	29	29	28	26	27
Draftsmen, Part Time.....	10	9	13	12	16	16	17	19	15	16	17	18
Blue Printer.....	1	1	1	1	1	1	1	1	1	1	1	1
Resident and Project Engineers.....	54	53	52	48	51	49	52	51	51	48	47	54
Instrument Men.....	22	24	28	30	30	30	29	31	28	32	35	36
Rhodmen and Inspectors.....	47	36	43	48	61	66	71	75	73	69	62	55
Chainmen.....	30	19	31	35	50	52	67	66	64	63	48	46
Maintenance Clerks, Lincoln.....	13	14	14	9	9	9	9	9	10	11	11	15
Maintenance Employees in Field												
Regular Patrolmen, Power.....	350	358	372	384	407	416	402	409	406	403	401	398
Regular Patrolmen, Team.....	67	66	77	78	70	62	63	62	63	64	62	62
Mechanics .....	11	11	11	11	11	11	12	12	12	13	13	13
Chief Patrolmen.....	42	42	42	42	42	43	43	43	42	41	41	39
District Clerks and Assistants.....	9	9	8	8	8	10	9	9	9	9	9	9
Total .....	738	742	799	821	876	880	887	898	881	879	857	857

**REGULAR EMPLOYEES OF THE DEPARTMENT OF PUBLIC WORKS, 1928**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Secretary .....	1	1	1	1	1	1	1	1	1	1
Chief Bureau Roads.....	1	1	1	1	1	1	1	1	1	1
Maintenance and Construction Engineer.....	1	1	1	1	1	1	1	1	1	1
District Engineers.....	8	8	8	8	8	8	8	8	8	8
R. O. W. Engineers.....	1	1	1	1	1	1	1	1	1	1
Clerical and Records.....	13	13	13	13	13	14	13	13	13	13
Motor Vehicle.....	18	18	18	18	18	18	17	17	17	17
Irrigation Office.....	6	6	6	6	6	7	6	6	6	6
Water Observers.....	8	8	8	8	8	8	8	8	8	8
Water Commissioners.....	9	9	9	9	9	9	9	9	9	9
Equipment Division.....	6	6	6	6	6	6	6	6	6	6
Maps, Plans and Construction Division Office Engineer.....	1	1	1	1	1	1	1	1	1	1
Assistant Office Engineers.....	2	2	2	2	2	2	2	2	2	2
Bridge Engineers.....	11	10	11	12	10	8	12	12	13	13
Sr. Engineers, Draftsmen.....	21	18	21	20	21	40	38	38	38	38
Draftsmen, Part Time.....	10	8	9	17	16	6	0	0	1	1
Blue Printer.....	1	1	1	1	1	1	1	1	1	1
Resident and Project Engineers.....	55	53	53	50	47	46	46	45	40	41
Instrument Men.....	32	35	33	31	26	19	20	23	18	19
Rodmen and Inspectors.....	37	40	41	42	40	39	38	34	22	21
Chainmen.....	22	19	18	19	19	19	18	17	10	10
Maintenance Clerks, Lincoln.....	13	12	12	12	12	11	11	11	10	11
Maintenance Employees, Field										
Regular Patrolmen, Power.....	398	395	405	411	410	415	400	377	384	393
Regular Patrolmen, Team.....	51	49	53	50	47	46	47	42	45	39
Mechanics.....	10	12	13	14	16	16	16	17	19	17
Chief Patrolmen.....	44	42	42	41	42	42	41	38	41	38
District Clerks and Assistants.....	8	8	8	8	8	9	8	9	8	9
<b>Total .....</b>	<b>788</b>	<b>777</b>	<b>800</b>	<b>803</b>	<b>790</b>	<b>794</b>	<b>770</b>	<b>738</b>	<b>724</b>	<b>724</b>

DEPARTMENT OF PUBLIC WORKS





## REPORT OF NEBRASKA STATE HIGHWAY MILEAGE

The following description and chart gives the status of the mileage on Nebraska State Highway System as of November 30, 1928:

The total mileage of State and Federal Highways when completed equals 8012 miles, which is the 12th largest state highway mileage in the United States. The state has marked and is maintaining 6,298 miles of which 6,201 miles are from the 1919 system and 97 miles are from the 1927 system. The state has not marked and is not maintaining 1714 miles of the 1811 miles which were added by the 1927 Legislature but which can be maintained by the state only after construction.

The origin of the total State and Federal Road mileage of 8012 miles in Nebraska is as follows:

(1) From the state system established by the 1919 Legislature of which 5619 miles which is 7% of the total highway mileage of 80,272 as shown by the records of the Department of Public Works at the time of passage of Federal Highway Act, November 9, 1921 are available for Federal Aid; and also 582 miles on the old state system which became state highways as provided by law between 1919 and 1923 by having been built with State and Federal Funds prior to establishment of the 7% system in 1923.....	6,201 miles.
(2) From the mileage added by the 1927 Legislature (H. R. 25) of which 97 miles have been constructed, marked, and maintained.....	1811 Miles
Total .....	8012 Miles

Of the 6,298 miles on the Nebraska State Highway System which are marked and maintained, the status of construction Nov. 30, 1928 is as follows:

Gravel roads.....	3761 miles
Paved Roads.....	165 miles
Oiled Gravel Roads.....	6 miles
Permanent Grade Without Surfacing.....	750 miles
Temporary Grade without Surfacing.....	1084 miles
Unimproved .....	532 miles
Total Maintained.....	6298 miles
Add Mileage on State System but not Maintained.....	1714 miles
Total State Highway Mileage.....	8012 miles

The following chart gives the mileage by counties in Nebraska as of November 30, 1928:

## NEBRASKA HIGHWAY MILEAGE AS OF NOVEMBER 30, 1928

County	Total Mileage State and Federal Highways when Completed	Total State and Federal Roads: Marked and Maintained	Paved Roads Outside of City Limit;	Oiled Gravel Roads	Graveled Roads Maintained by State	Constructed to Permanent Grade Without Surfacing	Constructed to Temporary Grade Without Surfacing	Unimproved Roads on 1919 System	Highways Added by 1927 Legislature but not improved and not Maintained
Adams .....	77.0	53.0	0.0	0.0	50.0	3.0	0.0	0.0	24.0
Antelope .....	103.1	81.1	0.0	0.0	59.1	10.3	11.7	0.0	22.0
Arthur .....	43.1	30.5	0.0	0.0	0.0	20.5	0.0	10.0	12.6
Banner .....	45.4	29.4	0.0	0.0	29.4	0.0	0.0	0.0	16.0
Blaine .....	48.1	36.5	0.0	0.0	7.6	2.0	15.9	11.0	11.6
Boone .....	80.1	43.6	0.0	0.0	43.6	0.0	0.0	0.0	36.5
Box Butte.....	89.0	83.0	0.0	0.0	48.7	0.0	34.3	0.0	6.0
Boyd .....	64.5	64.5	0.0	0.0	14.8	0.0	49.7	0.0	0.0
Brown .....	79.3	43.8	0.0	0.0	27.3	15.5	0.0	1.0	35.5
Buffalo .....	135.9	102.5	0.0	0.0	102.5	0.0	0.0	0.0	33.4
Burt .....	94.6	82.6	0.0	0.0	66.6	0.0	16.0	0.0	12.0
Butler .....	85.1	71.9	1.1	0.0	70.8	0.0	0.0	0.0	13.2
Cass .....	104.6	87.2	0.0	0.0	65.0	7.5	14.7	0.0	17.4
Cedar .....	102.1	73.8	0.0	0.0	53.6	9.2	11.0	0.0	28.3
Chase .....	75.5	63.0	0.0	0.0	43.2	9.8	0.0	0.0	22.5
Cherry .....	201.2	128.5	0.0	0.0	50.0	37.0	21.2	20.3	72.7
Cheyenne .....	79.7	79.7	0.0	0.0	51.6	4.1	24.0	0.0	0.0
Clay .....	81.3	50.3	0.0	0.0	50.3	0.0	0.0	0.0	31.0
Colfax .....	60.7	41.7	1.4	0.0	21.0	18.3	0.0	1.0	19.0
Cuming .....	91.1	66.8	0.0	0.0	62.5	0.0	4.3	0.0	24.3
Custer .....	194.0	194.0	0.0	0.0	84.1	31.3	50.6	28.0	0.0
Dakota .....	59.1	54.7	0.0	0.0	25.5	0.0	19.2	10.0	4.4
Dawes .....	120.0	120.0	0.0	0.0	26.0	28.8	65.2	0.0	0.0
Dawson .....	114.0	96.0	0.0	0.0	59.0	0.0	29.0	8.0	18.6
Deuel .....	50.0	41.0	0.0	0.0	25.9	0.0	15.1	0.0	9.0
Dixon .....	82.1	60.6	0.0	0.0	30.0	7.5	23.1	0.0	21.5
Dodge .....	92.3	79.1	15.5	0.0	63.6	0.0	0.0	0.0	13.2
Douglas .....	119.8	116.8	103.8	0.0	13.0	0.0	0.0	0.0	3.0
Dundy .....	64.3	44.0	0.4	0.0	28.4	0.0	5.2	10.0	20.3
Fillmore .....	88.3	64.3	0.1	0.0	54.7	9.5	0.0	0.0	24.0
Franklin .....	70.0	52.0	0.2	0.0	16.5	11.5	5.8	18.0	18.0
Frontier .....	100.2	70.5	0.2	0.0	6.0	61.5	0.0	2.8	29.7
Furnas .....	88.5	70.0	0.4	0.0	15.0	26.6	20.0	8.0	18.5
Gage .....	146.1	123.7	1.2	0.0	96.5	0.0	31.0	0.0	16.4
Garden .....	92.0	36.0	0.0	0.0	36.0	0.0	0.0	0.0	56.0
Garfield .....	91.0	56.4	0.0	0.0	15.8	8.9	16.3	14.4	35.6
Gosper .....	61.2	52.0	0.0	0.0	17.5	12.5	22.0	0.0	9.2
Grant .....	50.8	32.0	0.0	0.0	9.0	10.0	0.0	13.0	18.8
Greeley .....	80.5	76.5	0.0	0.0	1.0	25.7	49.8	0.0	4.0
Hall .....	73.7	73.7	3.7	0.0	70.0	0.0	0.0	0.0	0.0
Hamilton .....	74.0	62.0	0.0	0.0	62.0	0.0	0.0	0.0	12.0
Harlan .....	88.0	88.0	1.0	0.0	24.0	10.0	28.0	25.0	0.0
Hayes .....	60.0	60.0	0.1	0.0	11.0	24.0	16.9	8.0	0.0
Hitchcock .....	75.2	75.2	0.2	0.0	29.0	8.0	4.0	34.0	0.0
Holt .....	159.4	159.4	0.0	0.0	100.5	9.8	19.0	30.1	0.0
Hooker .....	59.5	45.0	0.0	0.0	6.0	8.0	13.0	18.0	14.5
Howard .....	89.0	62.0	0.0	0.0	26.8	5.0	30.2	0.0	27.0
Jefferson .....	84.5	50.5	0.1	0.0	41.4	0.0	9.0	0.0	34.0
Johnson .....	59.7	44.7	0.0	0.0	31.2	0.0	13.5	0.0	15.0
Kearney .....	81.0	68.0	0.0	0.0	56.0	6.0	0.0	6.0	13.0
Keith .....	114.5	106.0	0.0	0.0	59.5	0.0	14.0	32.5	8.5
Keya Paha.....	64.1	64.1	0.0	0.0	51.8	12.3	0.0	0.0	0.0
Kimball .....	66.5	49.5	0.0	0.0	40.0	0.0	9.5	0.0	17.0
Knox .....	132.6	100.0	1.0	0.0	62.0	0.0	37.0	0.0	32.6
Lancaster .....	147.8	117.0	12.5	0.8	96.0	7.7	0.0	0.0	30.8
Lincoln .....	188.7	153.0	5.5	0.5	97.5	9.5	14.0	26.0	35.7
Logan .....	55.7	35.0	0.0	0.0	3.0	12.0	11.0	9.0	20.7
Loup .....	38.6	38.6	0.0	0.0	16.0	0.0	22.6	0.0	0.0
Madison .....	98.9	81.9	0.0	0.0	58.4	20.5	3.0	0.0	17.0

## DEPARTMENT OF PUBLIC WORKS

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County	Total Mileage State and Federal Highways when Completed	Total State and Federal Roads Marked and Maintained	Paved Roads Outside of City Limits	Oiled Gravel Roads	Graveled Roads Maintained by State	Constructed to Permanent Grade Without Surfacing	Constructed to Temporary Grade Without Surfacing	Unimproved Roads on 1919 System	Highways Added by 1927 Legislature but not improved and not Maintained
McPherson	43.6	30.0	0.0	0.0	0.0	25.0	0.0	5.0	13.6
Merrick	98.4	73.4	0.0	3.6	62.8	0.0	0.0	7.0	25.0
Morrill	117.5	87.0	0.0	0.0	37.9	0.0	49.1	0.0	30.5
Nance	70.2	61.2	0.0	0.0	42.0	0.0	19.2	0.0	9.0
Nemaha	54.5	41.0	0.8	0.0	39.2	4.0	0.0	0.0	10.5
Nuckolls	74.1	49.1	1.3	0.0	36.8	11.0	0.0	0.0	25.0
Otoe	80.2	62.2	1.1	0.0	61.1	0.0	0.0	0.0	18.0
Pawnee	65.8	38.4	0.4	0.0	19.1	14.0	4.9	0.0	27.4
Perkins	79.5	56.0	0.0	0.0	29.0	3.0	11.0	13.0	23.5
Phelps	65.0	65.0	0.0	0.0	59.0	0.0	0.0	6.0	0.0
Pierce	52.7	52.7	0.0	0.0	43.8	0.0	8.9	0.0	0.0
Platte	103.7	72.7	2.2	0.0	63.3	0.0	7.2	0.0	31.0
Polk	81.0	71.0	0.0	0.0	50.0	12.0	9.0	0.0	10.0
Red Willow	87.8	62.0	1.0	0.0	33.0	4.0	8.0	16.0	25.8
Richardson	74.5	64.9	0.0	0.0	37.7	10.0	5.2	12.0	9.6
Rock	75.7	75.7	0.0	0.0	27.3	32.4	16.0	0.0	0.0
Saline	105.5	76.1	2.2	0.0	38.5	20.8	2.6	12.0	29.4
Sarpy	63.1	63.1	1.6	0.0	59.5	0.0	2.0	0.0	0.0
Saunders	107.0	63.0	1.1	0.0	61.9	0.0	0.0	0.0	44.0
Scotts Bluff	87.2	60.0	2.3	0.7	49.5	1.5	6.0	0.0	27.2
Seward	65.0	57.0	0.0	0.0	50.3	6.7	0.0	0.0	8.0
Sheridan	213.5	102.0	1.0	0.2	60.8	13.8	0.0	26.2	111.5
Sherman	65.5	65.5	0.0	0.0	19.0	19.0	15.5	12.0	0.0
Sioux	84.7	55.0	0.0	0.0	20.6	0.0	9.0	25.4	29.7
Stanton	65.4	40.0	0.0	0.0	22.0	8.5	9.5	0.0	25.4
Thayer	81.0	56.0	0.4	0.0	55.6	0.0	0.0	0.0	25.0
Thomas	70.0	51.0	0.0	0.0	12.0	0.0	19.0	20.0	19.0
Thurston	42.5	42.5	0.0	0.0	20.8	0.2	8.8	12.7	0.0
Valley	59.7	54.0	0.0	0.0	28.0	2.0	24.0	0.0	5.7
Washington	70.7	47.7	1.3	0.0	25.0	6.0	15.4	0.0	23.0
Wayne	94.0	64.0	0.3	0.0	21.6	14.1	28.0	0.0	30.0
Webster	81.9	51.5	0.0	0.0	42.8	0.0	0.0	8.7	30.4
Wheeler	55.8	55.8	0.0	0.0	0.0	37.8	6.0	12.0	0.0
York	59.0	48.0	0.0	0.0	48.0	0.0	0.0	0.0	11.0
<b>TOTALS</b>	<b>8,011.7</b>	<b>6,298.1</b>	<b>165.4</b>	<b>5.8</b>	<b>3,761.1</b>	<b>749.6</b>	<b>1,084.1</b>	<b>662.1</b>	<b>1,713.6</b>

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928

Proj. No.	Name	County	Length Miles	Funds		
				Federal	State	Other
2B	Nebr. City-Falls City.....	Nemaha .....	21.158	\$.....	\$ 8,839.30	\$.....
2D	Stalla-Relocation .....	Richardson.....	.932	5,254.64	8,511.94	.....
4	Hartington-Wayne .....	Dixon .....	1.000	1,893.08	1,893.08	.....
4	Hartington-Wayne .....	Wayne .....	8.419	19,896.02	21,328.70	.....
4K	Hartington-Wayne .....	Cedar .....	0.500	.....	2,500.00	.....
5	Norfolk-Columbus .....	Madison .....	21.413	5,572.41	7,559.47	.....
5	Norfolk-Columbus .....	Madison .....	.....	.....	8,570.10	.....
5	Norfolk-Columbus .....	Madison .....	.....	23,744.10	2,321.06	21,744.11
5B	Columbus-Monroe .....	Platte .....	7.449	20,731.04	27,484.74	.....
5K	Callaway West.....	Custer .....	11.000	.....	19,596.12	.....
7R	Superior-Harvard .....	Clay .....	32.212	14,010.19	14,720.33	.....
7D	Hastings-Minden .....	Kearney .....	16.225	13,581.85	13,992.26	.....
7E	Superior Harvard .....	Nuckolls .....	1.982	9,154.01	13,478.17	.....
10	No. Platte-Sutherland.....	Lincoln .....	19.083	4,009.36	224.98	4,959.31
10	No. Platte-Sutherland.....	Lincoln .....	19.083	.....	1,000.00	.....
S. A.	10B No. Platte-Sutherland.....	Lincoln .....	.682	9,427.21	251.03	10,106.31
	10B No. Platte-Sutherland.....	Lincoln .....	.104	.....	506.36	3,387.16
	12 Stapleton-Ringgold .....	Logan .....	11.540	.....	253.80	.....
	14C O'Neill-Butte .....	Boyd .....	3.474	3,067.74	3,298.75	.....
	14D Spencer-O'Neill .....	Holt .....	4.716	31,142.23	32,264.76	.....
S. A.	15 Havelock West.....	Lancaster.....	.208	.....	2,500.00	1,772.00
	16A Kimball-Harrisburg .....	Kimball .....	12.630	10,156.65	10,895.86	.....
	16B Kimball-Harrisburg .....	Banner .....	13.713	15,181.81	15,454.26	.....
	19 Emerald West.....	Lancaster.....	3.975	.....	3,623.30	.....
	23 Blair-Oakland .....	Washington....	11.240	9,248.84	9,248.85	.....
	26AC Hamlet-Imperial .....	Chase .....	9.760	3,742.43	3,775.71	.....
	26AC Hamlet-Imperial .....	Hayes .....	6.030	3,178.70	3,211.98	.....
	28K Nebr. City-Plattsmouth.....	Cass .....	.....	.....	918.17	.....
	28L Nebr. City-Plattsmouth.....	Cass .....	.....	.....	500.00	.....
	29 Osceola-David City.....	Butler .....	28.855	.....	2,781.40	.....
	30K Beaver City-Arapahoe .....	Furnas .....	.....	.....	1,271.06	.....
	31 Allen-Ponca .....	Dixon .....	16.857	.....	7,952.17	.....
	34A Burwell-Devere .....	Garfield .....	5.912	4,888.29	5,710.69	.....
	34B Burwell-Devere .....	Garfield .....	3.782	3,137.85	3,148.75	.....
	34C Burwell-Devere .....	Garfield .....	7.036	.....	11,657.22	.....
	40 Belvidere-Hebron .....	Thayer .....	7.294	5,000.88	12,499.53	.....
	41A Max-Doane .....	Dundy .....	12.717	19,653.10	19,667.90	.....
	44 Litchfield West.....	Sherman .....	3.970	.....	4,056.32	.....
	46 Bartley-McCook .....	Red Willow....	17.079	11,334.50	11,745.31	.....
	49A Oakland-So. Sioux City.....	Dakota .....	12.914	.....	4,383.53	.....
	49D Oakland-So. Sioux City.....	Burt .....	4.202	.....	3,689.19	.....
	49F Oakland-So. Sioux City.....	Thurston .....	7.270	10,727.64	11,038.86	.....
	49G Oakland-So. Sioux City.....	Burt .....	9.424	45,169.93	47,134.83	.....
	50A Central City-Belgrade.....	Merrick .....	7.586	6,000.00	12,939.12	.....
	50B Central City-Belgrade.....	Nance .....	11.633	8,365.95	8,365.95	.....
	50K Central City Belgrade.....	Merrick .....	5.100	.....	5,314.79	.....
	51A Franklin-Minden .....	Kearney .....	9.812	29,075.77	30,142.88	.....
	51B Franklin-Minden .....	Franklin .....	4.111	20,415.20	20,481.82	.....
	52A Holdrege-Platte River.....	Phelps .....	9.980	.....	6,585.71	.....
	52C Holdrege-Platte River.....	Phelps .....	5.664	18,844.88	18,852.55	.....
	53 Genoa-Albion .....	Nance .....	8.088	9,591.75	9,602.93	.....
	54K Chappell-Big Springs.....	Deuel .....	7.750	.....	6,571.52	.....
	57A Wakefield-Allen .....	Dixon .....	11.222	19,409.99	19,409.99	.....
	57A Ext. Gravel in Allen.....	Dixon .....	.631	.....	837.04	1,614.30
	58C Schuyler-Pilger .....	Colfax .....	6.511	6,580.87	7,256.33	.....

DEPARTMENT OF PUBLIC WORKS

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928

	Total		Gravel			No. Bridges	Date Awarded
	Cost	Earth	Paving	2"	3"		
\$	8,839.30						4-27-27
	13,766.58	.932			.932		7-16-27
	3,786.16				1.000		6- 4-27
	41,224.72				8.419		6- 4-27
	2,500.00	.500					10- 2-28
	13,131.88			6.895			6-18-27
	8,570.10		1" — 8.560*				8-26-27
	47,809.27					1	8-24-28
	48,215.78	7.449		7.449			8- 6-27
	19,596.12			8.400			6-30-27
	28,730.52			18.411*			4-27-27
	27,524.11			16.225*			7-16-27
	22,632.18	1.983			1.983		7-14-27
	9,283.65		Conc. .313				7- 1-27
	1,000.00	5.000†					1928
	19,784.55	.682	Conc. .682				7- 1-27
	3,892.52	.104	Conc. .104				7- 1-27
	253.80			.057			3-28-27
	6,366.49				3.474		4-28-27
	63,406.99	4.716			4.716		4-28-27
	4,272.00	.208	Bit. .208				8-19-27
	20,752.51			12.630			4-29-27
	30,636.07				13.713		4-29-27
	3,623.30						7-21-27
	18,497.69					2	7- 8-27
	7,518.14	1.000†				1	1-31-28 & 8-17-28
	6,390.68	.250†				1	1-13-28 & 8-17-28
	918.17						12- 1-27
	500.00						1928
	2,781.40		1½" — 1.995*				8-26-27
	1,271.06						3-18-27
	7,952.17		1" — 6.126				8-26-27
	10,598.98			5.912			4-28-27
	6,286.60			3.782			4-28-27
	11,657.22			7.036			4-28-27
	17,500.41	7.294†		2.264	5.030		4-27-27 & 6- 8-27
	39,321.00	4.634			4.634		7-20-27
	4,056.32		1" — 3.970				6-30-27
	23,079.81	2.201†			2.201		11- 3-27
	4,383.53					1	7-20-28
	3,689.19						7- 5-27
	21,766.20				7.270		2-23-27
	92,304.31	9.424			9.424		3-17-27 & 8-26-27
	18,989.12				7.586		4-27-27
	16,731.90				4.913		10-25-28
	5,314.79		1½" — 5.100				5-11-27
	59,218.15	9.812			9.812		5- 2-27
	40,896.78	4.111			4.111	1	5-21-27
	6,585.71		1" — 7.001				9-23-27
	37,697.43	5.664			5.664		7-14-27
	19,194.68		1½" — 7.750		8.088		7-14-27
	6,571.52	7.750			11.222		9-21-28
	38,819.98				.631		4-28-27
	2,451.34						4-28-27
	13,837.20	6.511					9-10-27

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
 JAN. 1, 1927 TO NOV. 15, 1928—Continued

Proj. No.	Name	County	Length Miles	Funds		
				Federal	State	Other
59B	Bartlett-Spalding	Wheeler	5.009	15,230.62	16,636.08	
59C	Bartlett-Spalding	Greeley	4.054	21,486.20	21,638.17	
63A	Hayes Center-Elsie	Hayes	7.784	854.00	911.21	
65A	Greeley Center East	Greeley	7.895	26,374.11	26,374.12	
69C	Scottsbluff-Gering	Scottsbluff	1.388	20,820.00	1,183.49	24,295.45
69D	Harrisburg-Gering	Banner	3.693	10,137.23	11,120.26	
69K	Scottsbluff-Gering	Scottsbluff	3.024		6,581.26	
69L	Harrisburg-Gering	Banner	2.645		1,964.07	
70A	Stanton-Wayne	Stanton	11.354		1,373.39	
70C	Stanton-Wisner-Wayne	Wayne	2.004		410.29	
70E	Stanton-Wisner-Wayne	Wayne	.027	5,487.72	5,487.72	
70K	Wisner West	Cuming	5.500		8,026.47	
70L	Stanton-Wisner-Wayne	Stanton	.670		2,538.79	
71	Franklin-Orleans	Franklin	10.715	4,204.89	4,224.88	
71	Franklin-Orleans	Harlan	13.431	5,663.43	5,683.42	
71C	Franklin-Orleans	Harlan	1.612	2,055.90	2,166.87	
71D	Franklin-Orleans	Harlan	2.846		759.62	
71G	Franklin-Orleans	Harlan	.904	2,669.73	3,181.94	
71H	Franklin-Orleans	Franklin	.491	15,400.55	15,400.55	
S. A. 72B	Hartington-Yankton	Cedar	3.976		9,843.83	
S. A. 72C	Hartington-Yankton	Cedar	6.686		15,986.39	
S. A. 72D	Hartington-Yankton	Cedar	.374		6,876.56	
75	Geneva-Fairmont	Fillmore	12.382	19,533.15	38,551.11	
75	Geneva-Belvidere	Thayer	5.216	1,592.05	7,951.93	
76A	Alliance-Chadron	Dawes	14.490	11,799.60	22,414.54	
76F	Alliance-Chadron	Box Butte	9.329	26,324.87	26,646.33	
76K	Alliance-Chadron	Dawes	7.000		10,000.00	
77	Hastings-Ayr	Adams			4,988.30	
78K	Center Street Road	Douglas			1,353.10	
79A	Bayard-Broadwater	Morrill	12.510		4,235.20	
80A	Hyannis-Seneca	Grant	8.020		1,136.44	
81K	Ames West	Dodge	15.060		13,566.41	
82B	Oshkosh-Broadwater	Garden	5.066	2,821.94	2,821.95	
82C	Broadwater-Oshkosh	Garden	3.883	6,420.76	11,371.38	
82D	Broadwater-Oshkosh	Morrill	5.151	15,046.51	16,626.01	
82B	Neligh-Albion	Boone	16.546	27,578.53	27,578.53	
83C	Neligh-Albion	Antelope	10.229	24,485.62	24,485.63	
86A	Shelby-Platte River	Polk	15.998	11,813.98	14,712.93	105.41
86	Shelby-Platte River	Butler	.480	382.88	394.59	
89K	Harrop-Basset	Rock	34.000		35,000.00	
92B	Litchfield Hazard	Sherman	.746		1,083.16	
92C	Litchfield-Pleasanton	Sherman	12.250		14,170.39	
97C	Table Rock-Lewiston	Pawnee	14.003	40,204.61	40,393.40	
98D	Crete-Dorchester	Saline	1.244	1,161.33	1,170.96	
102A	Smiley-Canyon	Sioux	8.675	13,096.19	13,107.37	
102B	Crawford-Harrison	Sioux	3.086	4,575.95	4,587.13	
103	Scottsbluff-Gering	Scottsbluff	.522	7,341.50	4,637.94	2,735.52
103B	Scottsbluff-Gering	Scottsbluff	.410	6,150.00	239.22	7,379.32
105K	Gothenburg West	Dawson	3.448		3,715.95	
108B	Hay Springs-Gordon	Sheridan	1.045	7,665.69	7,736.34	
113A	Niobrara-Center	Knox	4.932	3,107.47	3,160.38	
113B	Niobrara-Center	Knox	3.919	2,354.41	2,419.81	
113C	Niobrara-Center	Knox	6.206	42,328.57	46,648.92	
114A	Trenton-Max	Dundy	4.728	17,383.65	23,491.60	
114B	Trenton-Max	Hitchcock	11.590	47,575.99	48,147.56	

DEPARTMENT OF PUBLIC WORKS

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ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928—Continued

Total Cost	Earth	Paving	Gravel			No. Bridges	Date Awarded
			2"	3"	4"		
31,866.70	5.009						4-28-27
43,124.37	4.054					1	5- 2-27 & 4-28-28
1,765.21							4-29-27
52,748.23	7.895					2	10-18-28
46,298.94	1.388	{ Conc. 1.010 Bit. .378					3-10-27
21,257.49	3.693			3.093		1	4-30-27
6,581.26			3.024				6-30-27
1,964.07			2.645				12-29-27
1,373.39							3- 2-28
410.29		1" — .392*					1-23-28
10,975.44	.027					1	7-13-27
8,026.47		1½" — 5.500					4-29-27
2,538.79				.670			11- 7-27
8,420.77				3.376			7-19-27
11,346.85				4.422			7-19-27
4,222.77	1.612			1.612			5-11-27
759.62				2.846*			10-30-27
5,851.67	.904			.904			7-28-27
30,801.10	.491			.491		1	4-28-27 & 6-18-27
9,843.83				3.976			4-28-27
15,986.39				6.686			4-28-27
6,876.55	.374			.374			11- 5-27
58,084.26	12.382†			12.382			4-27-27 & 7-28-27
9,543.98	1.000†		4.216	1.000			4-27-27 & 7-28-27
34,214.14			11.997	2.493			5- 9-27
52,971.20	9.329		9.329				4-29-27
10,000.00	7.000		7.000				1928
4,988.30		1" — 11.589*					4-27-27
1,353.10							1927
4,235.20			12.510*				1927
1,136.44							4-29-27
13,566.41			15.060				6-30-27
5,643.89				5.056			4-29-27
17,792.14	3.883			3.883		1	11- 4-27
31,672.52	5.151			5.151		1	4-29-27
55,157.06				13.497		2	6-28-27
48,971.25	10.229					1	8-26-27
26,632.32				15.998			7-14-27 & 11-10-27
777.47				.480			7-14-27
35,000.00	34.000						1928
1,083.16		1¼" — .746					8-26-27
14,170.89		1½" — 12.250					8-26-27
80,598.01	14.003						8- 3-27 & 10- 3-27
2,532.29			1.244*				7-21-27
26,203.56			8.675				4-29-27
13,768.54	.410	{ Conc. .238 Asph. .172					3-10-27
9,163.08			3.036				4-29-27
14,714.96		Conc. .523					3-10-27
3,715.95			3.448				6-30-27
15,402.03	1.045			1.045			4-29-27
6,267.85				4.932			7-15-27
4,804.22				3.919			4-28-27
88,977.49	6.206			6.206		2	7- 2-27 & 10-28-27
40,875.25	4.728			4.728		2	4-29-27
95,723.54	11.590			11.590		6	5-31-28 & 6-20-27

## REPORT OF SECRETARY

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928—Continued

Proj. No.	Name	County	Length Miles	Funds		
				Federal	State	Other
116B	Auburn-Johnson	Nemaha	4.350	7,507.50	7,732.34	
118B	Fairbury-Hebron	Jefferson	9.948	2,898.12	3,947.88	
122A	Beatrice-Lewiston	Gage	18.106	8,289.51	14,774.48	
122B	Lewiston-W. Co. Line	Pawnee	3.179	4,304.70	4,315.11	
122C	Virginia Road	Gage	8.038	10,833.85	11,508.88	
122D	Beatrice-Crab Orchard	Johnson	2.562	14,545.69	20,258.79	
127A	Ext. So. of Sargent	Custer	1.026		2,845.31	
127B	Anselv North	Custer	16.295	74,970.77	77,186.18	
128A	Seward-Lincoln	Seward	10.174		3,033.64	
130A	Sidney-Dalton	Cheyenne	12.042	1,429.57	1,439.71	
133B	Nebr. City-Lincoln	Otoe	10.978	10,397.78	19,719.31	
133C	Nebr. City-Lincoln	Cass	3.931	8,127.18	5,608.42	
134A	Emerald-Milford	Seward	9.740		6,570.48	
135A	Central City-Chapman	Merrick	9.890		575.47	
136A	Pierce-Wausa	Pierce	2.098	2,386.05	2,553.45	
136B	Pierce-Wausa	Pierce	7.718	8,724.35	8,735.79	
136C	Pierce-Wausa	Knox	4.011	7,758.94	7,798.42	
136K	Pierce-Wausa	Pierce	7.500		15,092.52	
137B	Springview-Bassett	Keya Paha	3.040		1,866.41	
139A	Norfolk-Ewing	Madison	1.503		10,391.72	1,717.15
139B	Norfolk-Ewing	Madison	9.576		11,757.21	
139C	Norfolk-Ewing	Antelope		20,986.46	20,986.47	
	Norfolk-Ewing				9,569.70	
139D	Norfolk-Ewing	Holt	3.632	9,613.66	9,625.36	
139I	Norfolk-Ewing	Madison	5.213		2,378.88	
141K	Bassett-Long Pine	Brown	532		482.24	
141K	Bassett-Long Pine	Rock	10.227		9,446.93	
143B	Fairmont-Osceola	York	11.480		19,366.07	
143G	Fairmont-Osceola	Fillmore	4.431	5,982.61	6,028.67	
145A	Axtell-Holdrege	Phelps	21.813	21,669.12	23,583.97	
145C	Atlanta-Oxford	Phelps	3.120		756.86	
145K	Oxford-Maseot	Harlan	12.788		31,867.62	
146A	Ogallala-Belmar	Keith	13.555	2,572.60	2,731.71	
146B	Ogallala-Belmar	Keith	7.597	3,042.35	3,051.45	
147B	Sidney-Kimball	Kimball	6.153	15,560.07	15,574.63	
149B	Lodgepole-Potter	Cheyenne	4.065	1,889.46	1,899.87	
149K	Lodgepole-Potter	Cheyenne	1.750		1,401.91	
155A	Havelock-Ceresco	Lancaster	11.742	2,044.66	2,056.89	
156B	Aurora-Central City	Hamilton	12.078	12,783.64	12,783.65	
156B	Ext. to Aurora	Hamilton			2,353.88	
156C	Eldorado-Cen. City	Hamilton	1.631		1,420.84	
157B	David City-Seward	Butler	9.356	14,739.20	15,350.04	
157C	David City-Seward	Butler	6.021	21,073.73	21,639.81	
157D	Seward-David City	Seward	8.935	29,975.24	32,171.26	
158A	O'Neill-Stuart	Holt	17.598	19,204.40	19,724.51	
161B	Wilber-Western	Saline	11.002	23,483.24	23,957.79	
164A	Hebron-Nelson	Thayer	4.521	4,068.20	7,095.61	
164D	Hebron-Nelson	Thayer	5.219	4,514.79	8,426.18	
164E	Hebron-Nelson	Thayer	3.235	2,945.94	6,710.63	
169A	Hastings-Gr. Island	Adams			7,755.54	
170A	No. Platte-Vroman	Lincoln	19.096		2,500.00	
	No. Platte-Vroman	Lincoln	19.096	1,524.48	2,121.56	
	No. Platte-Vroman	Lincoln	19.096		2,257.22	
170B	No. Platte-Vroman	Lincoln	1.742	22,474.71	10,073.95	16,351.50



DEPARTMENT OF PUBLIC WORKS

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
 JAN. 1, 1927 TO NOV. 15, 1928—Continued

Total		Gravel			No.	Date
Cost	Earth	Paving	2"	3"	Bridges	Awarded
15,239.84				4.350		4-27-27
6,846.00					1	10-29-27
23,063.99	5.541†			5.541		4-27-27 & 5-17-27
8,619.81				3.179		10-13-27
22,342.73				8.038		4-27-27
34,804.48	2.562			2.562	1	4-27-27
2,845.31			1.026			10-29-27
152,156.95	16.295			16.295	2	4-28-27
3,033.64		1" — 2.275*				6-30-27
2,869.28				4.968		4-29-27
30,117.09	5.881†			5.881		4-27-27
8,735.60	1.962†			1.962		4-27-27
6,570.48		1" — 9.740*				8-21-27
575.47		.341†				1928
4,939.50				2.098		4-28-27
17,460.14				7.718		4-28-27
15,557.36				4.011		7-15-27
15,602.52			7.500			10-28-27
1,866.41						5-10-27
12,108.87	1.503			1.503		4-28-27
11,757.21		{ 1" — 7.291*				9-15-27
		{ 1" — 2.285				4-28-27
41,972.93	.516			.516	1	12- 5-27
9,569.70		1" — 14.205				9-21-28
19,239.02					1	10- 3-27
2,378.88		1" — 2.849				9-21-28
482.24		1" — .532				6-30-27
9,446.93		1" — 10.227				6-30-27
19,366.07			11.480*			4-27-27
12,011.28				4.431		4-27-27
45,253.09			21.658*			4-29-27
756.86		1" — .800*				6- 7-27
31,867.62	12.788	1½" — 12.788				4-29-27
5,304.31				6.531		4-29-27
6,093.80			7.597			5-11-27
31,134.70	6.153			6.153		4-29-27
3,789.33						8-26-27
1,401.91	1.750	1½" — 1.750				9- 2-28
4,101.55		.852†				1928
25,567.29				10.998		4-27-27
2,353.88				.600		10-29-27
1,420.84				1.631*		4-27-27
30,089.24				9.356		4-28-27
42,713.59	6.021			6.021	1	4-30-27
62,146.50	8.935			8.935		4-28-27
38,928.91				17.598		8-26-27
47,441.03	11.002	Conc. .284				10-28-27
11,163.81	4.521†			4.521		4-27-27
12,940.97	5.219†			5.219		4-27-27
9,656.57	3.235†			3.235		4-27-27
7,756.54		1½" — 6.534*				3-29-27
2,500.00	8.000†					1928
3,646.04		Conc. .116				7- 1-27
2,257.22						6-16-28
48,900.16	1.742	Conc. 1.742				7- 1-27

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928—Continued

Proj. No.	Name	County	Length Miles	Funds		
				Federal	State	Other
S. A. 170B	No. Platte-Vroman.....	Lincoln	.072		640.02	3,380.64
170K	Brady East.....	Lincoln	9.133		10,285.26	
175A	College View-Bennett.....	Lancaster	11.141	16,108.95	49,280.96	
175B	Panama-Bennett.....	Lancaster	10.867	17,060.02	28,681.49	
175D	College View-Bennett.....	Lancaster	.081	2,897.43	3,131.31	
175K	Adams North.....	Gage	4.000		8,434.50	
181	Ravenna-Sweetwater.....	Sherman		1,429.29	1,439.43	
181A	Ravenna-Sweetwater.....	Buffalo	5.973	1,429.23	1,439.43	
182	Harvard-Eldorado.....	Clay	9.045		1,858.59	
183	Gretna-Elk City.....	Douglas	12.993		13,852.12	
185A	Geneva-Milligan.....	Fillmore	13.223	18,000.00	32,715.62	
187	Florence-Elk City.....	Douglas	12.417	1,829.10	1,829.11	
193A	Ord-Arcadia.....	Valley	3.110	13,513.43	14,553.54	
193B	Ord-Arcadia.....	Valley	6.212	10,390.09	10,556.19	
197A	Springview-Ainsworth.....	Brown	.660		1,323.81	
198A	Alliance-Crawford.....	Box Butte	17.134	7,952.27	9,040.91	368.06
200A	O'Neill-Ewing.....	Holt	28.024	24,541.49	24,935.64	
200K	Relocation at Page.....	Holt	.475		2,358.22	2,344.43
202D	Valentine-Gordon.....	Cherry	11.795	16,515.75	16,957.56	
202E	Valentine-Gordon.....	Cherry	13.441	18,691.58	18,701.72	
202F	Valentine-Gordon.....	Cherry	7.651	33,505.16	34,652.34	
202G	Valentine-Gordon.....	Cherry	8.031	30,283.82	30,464.95	
203A	Plainview-Orchard.....	Antelope	13.245	13,331.49	13,342.41	
203K	Plainview-Orchard.....	Antelope	.679		3,657.57	
204A	David City-Wahoo.....	Butler	10.112	13,560.39	13,570.54	
204C	David City-Wahoo.....	Saunders	8.370	52,537.19	57,513.09	
205A	Red Cloud-Superior.....	Webster	9.905	9,507.23	9,518.42	
205B	Superior-Franklin.....	Franklin	9.549	10,211.46	10,211.46	
205C	Superior-Franklin.....	Franklin	2.653	15,098.56	16,558.21	
205D	Red Cloud-Smyrna.....	Nuckolls	10.900	68,659.60	59,231.23	
205K	Red Cloud-Franklin.....	Webster	10.431		10,295.70	
207A	Albion-Madison.....	Boone	4.838	6,412.37	6,423.99	
207B	Newman Grove-Albion.....	Boone	7.009	11,950.67	11,960.82	
207C	Albion-Newman Grove.....	Madison	2.702	4,211.39	4,222.55	
208D	Capitol Highway.....	Richardson	3.157	14,119.93	15,020.84	
208E	Capitol Highway.....	Nemaha	3.975	30,687.19	32,659.84	
210	Superior Southwest.....	Nuckolls	2.609	1,093.96	1,104.36	
212	Sweetwater West.....	Sherman	3.559		4,255.78	
215B	Grand Island South.....	Hall	2.699	10,526.67	11,855.62	
218A	Sterling-Adams.....	Johnson	2.015	3,146.99	4,146.00	
218K	Sterling-Adams.....	Johnson	2.724		5,802.16	
219	East Oxford Bridge.....	Harlan	.119		368.96	
220	Orleans Bridge.....	Harlan	.133		303.85	
221D	McCook-Maywood.....	Frontier	3.037	10,182.15	10,182.16	
222A	St. Paul-North Loup.....	Howard	1.605	2,011.36	2,021.25	
222B	St. Paul-North Loup.....	Howard	7.341	3,668.69	3,678.57	
222K	St. Paul-North Loup.....	Howard	.500		1,500.00	
222K	North Loup-Scotia.....	Valley	1.074		1,262.57	
222K	North Loup-Scotia.....	Greeley	3.000		1,500.00	
223A	Gordon North.....	Sheridan	13.930	14,136.01	14,159.85	
223B	Gordon-Paving.....	Sheridan	.998	14,967.00	635.04	57,252.29
224K	Ogallala West.....	Keith	13.305		8,874.94	
228C	Aurora-Grand Island.....	Hamilton		4,965.70	5,035.37	
228C	Aurora-Grand Island.....	Hall		4,965.70	5,035.36	
228D	Aurora-Grand Island.....	Hall	1.802	23,904.86	24,236.54	

DEPARTMENT OF PUBLIC WORKS

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ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928—Continued

Total		Gravel			No.	Date
Cost	Earth	Paving	2"	3"	Bridges	Awarded
4,020.66	.072	Conc. .072				7- 1-27
10,285.26			9.193			11- 1-27
65,389.91	11.141†			11.141		4-27-27 & 5-27-27
45,741.51	10.867†			10.867		4-27-27 & 5-27-27
6,028.74	.081			.081	1	1-12-28
8,434.50	4.000	1½" — 4.000				10-13-28
2,868.72					½	5-19-27
2,868.71					½	5-19-27
8,518.59		1" — 9.045*				4-27-27
13,852.12		1" — 12.993				9- 6-27
50,715.62	13.228†			13.228		4-29-27
3,658.21		Conc. .138				9-21-28
28,066.97				8.110		5-20-27
20,946.28				6.212		7-28-27
1,328.51				.660		6-30-27
17,361.24			8.457			4-29-27
49,477.13				20.608	1	4-28-27 & 11-3-27
4,702.70	.475			.475		11-18-27
33,473.31			11.795			4-29-27
37,393.30			13.441			4-29-27
68,157.50	7.651		7.651			4-15-27 & 4-29-27
60,748.77	8.031		8.031			6-30-27 & 7-30-28
28,673.90				13.245		4-28-27
3,657.57	.679					10-25-27
27,130.93				10.112		8-26-27
110,050.28	8.370			8.370	4	5-14-27
19,025.65				9.905		4-27-27
20,422.92				9.549		4-28-27
31,686.77	2.658			2.658	2	4-28-27
117,890.83	10,900				2	6-21-27
10,295.70		1" — 10.431				8-26-27
12,836.36				4.838		4-28-27
23,911.49				7.009		4-28-27
8,434.44				2.702		7- 5-27
29,140.77	3.157					4-27-27
63,347.03	3.975				1	7-14-27
2,198.32						1928
4,255.78		1½" — 3.559				9- 1-27
22,412.29	2.699				2.699	10-29-27
7,291.99	2.015†			2.015		10-13-28
5,802.16	2.724	1½" — 2.724				10-18-28
368.96				.119		12-30-27
803.85				.133*		12-30-27
20,364.31	3.037				1	5-19-27
4,032.61				1.605		7-14-27
7,347.26				2.810		6-30-27
1,500.00	.500					1928
1,262.57	1.074					1928
1,500.00	3.000					1928
28,295.86				13.930		4-29-27
72,854.33	.908	Bit. .908				7-15-27
8,874.94		1½" — 13.305				6-30-27 & 4-29-27
10,001.07						9-18-27
10,001.06						10-18-27
48,141.40	1.802	Conc. 1.802				10-13-27

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928—Continued

Proj. No.	Name	County	Length Miles	Funds			
				Federal	State	Other	
230A	West Point-Oakland.....	Cuming .....	3.089	2,898.66	3,304.92	.....	
230B	West Point-Oakland.....	Cuming .....	4.987	18,164.74	13,403.54	.....	
230C	Oakland-West Point.....	Burt .....	4.370	26,153.53	28,011.55	.....	
232	Fairmont Hastings.....	Clay .....	8.973	.....	8,857.25	.....	
233A	North Platte-Tryon.....	Lincoln .....	.291	1,667.67	146.67	1,746.59	
233A	North Platte-Tryon.....	Lincoln .....	.....	.....	756.81	1,253.41	
233D	North Platte-Tryon.....	Lincoln .....	7.041	25,959.17	26,075.55	.....	
233E	North Platte-Tryon.....	Lincoln .....	.662	9,015.25	4,288.84	6,960.65	
236A	Bayard-Scottsbluff.....	Scotts Bluff.....	4.570	.....	1,490.12	.....	
236B	Bayard-Scottsbluff.....	Scotts Bluff.....	.644	994.74	.....	.....	
236K	Bayard East and West.....	Morrill .....	1.382	.....	2,035.93	.....	
236L	Scottsbluff-Minatare.....	Scotts Bluff.....	3.087	.....	5,419.78	.....	
237K	Avery-Ralston.....	Douglas .....	1.000	.....	15,026.40	15,026.41	
238A	Ainsworth-Norden.....	Brown .....	8.510	6,791.15	6,805.05	.....	
238B	Ainsworth-Norden.....	Brown .....	5.282	18,458.46	19,734.43	.....	
240	Wilber-Geneva.....	Saline .....	9.958	32,730.56	32,829.57	.....	
240A	Orleans-Oxford.....	Harlan .....	12.068	16,928.73	16,947.71	.....	
241A	Chester-Hebron.....	Thayer .....	10.886	9,509.79	9,520.46	.....	
241A	Ext. So. Chester in H.....	Thayer .....	1.367	.....	3,017.18	.....	
242K	Bridgeport-Angora.....	Morrill .....	.126	.....	1,606.48	.....	
S. A.	243C	Culbertson-Imperial.....	Hayes .....	7.294	11,423.90	50,417.28	.....
	244	Elwood-Stockville.....	Frontier .....	24.130	.....	964.04	.....
	245A	McCook-Maywood.....	Red Willow.....	10.550	19,238.22	19,248.37	.....
	245B	McCook-Maywood.....	Frontier .....	5.536	12,262.47	12,294.46	.....
	245C	McCook-Maywood.....	Frontier .....	16.986	58,456.45	68,469.71	.....
	246A	Verdon-Pawnee City.....	Pawnee .....	2.791	400.85	400.05	.....
	246B	Falls City-Pawnee City.....	Richardson.....	8.570	54,127.74	57,113.90	.....
	246C	Verdon-Pawnee City.....	Richardson.....	8.883	49,062.58	50,410.38	.....
	247A	Fairbury-Western.....	Jefferson .....	12.449	18,690.53	19,932.15	.....
	247B	Fairbury-Western.....	Jefferson .....	3.121	11,815.99	13,732.33	.....
	249C	Lemoyne-Oshkosh.....	Garden .....	3.695	7,530.68	14,393.99	.....
	249D	Lemoyne-Oshkosh.....	Keith .....	4.384	13,084.72	13,832.60	.....
	250A	Wymore South.....	Gage .....	8.295	12,650.59	12,650.60	.....
	252B	Lexington-Elwood.....	Gosper .....	9.575	9,712.47	9,722.60	.....
	255A	Johnson West.....	Nemaha .....	3.783	6,237.67	6,248.37	.....
	255B	Tecumseh-Johnson.....	Johnson .....	6.919	12,923.88	13,928.28	.....
	256A	Union-Eagle.....	Cass .....	5.141	8,123.10	8,267.12	.....
	256B	Union-Eagle.....	Cass .....	13.473	70,544.98	72,763.04	.....
	257A	Palmyra-Cheney.....	Otoe .....	2.992	16,909.28	17,280.79	.....
	257B	Palmyra-Cheney.....	Lancaster.....	2.996	15,501.17	16,410.20	.....
	258K	Fremont-Blair.....	Dodge .....	6.219	.....	4,241.58	.....
	261A	Pilger South.....	Stanton .....	8.480	23,136.24	23,370.54	.....
	261B	Schuyler-Pilger.....	Colfax .....	11.849	18,979.84	20,745.64	.....
				11.849	4,607.14	4,607.15	.....
	262A	West Point-Pender.....	Cuming .....	16.544	22,611.70	22,611.70	.....
	262A	West Point-Pender.....	Cuming .....	.....	3,334.11	3,334.11	.....
	262B	West Point-Pender.....	Thurston .....	1.616	8,903.90	9,760.75	.....
	263B	Fremont-Hooper.....	Dodge .....	12.856	2,862.01	2,894.63	.....
	265B	Chadron-Crawford.....	Dawes .....	9.175	18,454.33	21,337.62	.....
	266A	Hooper-Crowell.....	Dodge .....	14.621	.....	1,379.87	.....
	267K	Norden West.....	Keya Paha.....	8.853	.....	26,108.26	.....
	268A	Randolph-Plainview.....	Pierce .....	14.672	20,601.00	20,699.48	.....
	269B	Laurel-Randolph.....	Cedar .....	9.221	22,446.93	23,052.33	.....
	272L	Imperial-Lamar.....	Chase .....	10.379	.....	6,430.73	.....
	273A	Oxford-Arapahoe.....	Furnas .....	15.195	55,397.83	67,225.01	.....

DEPARTMENT OF PUBLIC WORKS

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928—Continued

Total Cost	Earth	Paving	Gravel			No. Bridges	Date Awarded
			2"	3"	4"		
6,203.58			3.089				7- 1-27
36,568.28	4.987			4.987			7-14-27
54,165.08	4.370		4.370		4		5-23-27 & 7-14-27
8,857.25			8.973*				4-27-27
3,560.93		Conc. .291					8- 8-27
2,010.22							6-16-28
52,034.72	7.041						4-29-27 & 11-17-27
20,261.74	.662	Conc. .662					8- 8-27
1,490.12							1-23-27
1,989.48			.644†				1928
2,035.93	1.382						3-17-27
5,419.78	3.087				1		3-17-27
30,052.81		Conc. 1.000					1927
13,596.20				8.510			7- 1-27
38,242.89	5.282			5.282	2		6-30-27
65,560.13	9.958				1		5-24-27 & 7-20-28
33,876.44				11.568			12-30-27
				.500*			12-30-27
19,030.25				10.896			7- 8-27
3,017.18				1.367			7- 8-27
1,606.48	.125						3-17-27
61,841.18	7.234				5		6- 6-27
964.04							9-12-27
38,486.59				10.550			8-26-27
24,556.93				5.526			9-26-27
116,926.16	16.986				1		5-18-27
860.90							4-27-27
111,241.64	8.570			8.570			5-16-27
99,472.96	8.883				1		9-30-27 & 10- 3-27
38,631.68				12.449			4-27-27
25,548.32	3.121			3.121			7-27-27
21,924.67	3.695			3.695			9-13-27 & 11-18-27
26,917.32	4.984			4.984	1		10- 1-27 & 11-18-27
25,301.19				8.298			4-27-27
19,435.07				9.575			4-29-27
12,486.04				3.783			4-27-27
26,852.16				6.919			4-27-27
16,390.22				5.141			4-27-27
143,308.02	13.473			13.473	1		4-27-27
34,190.07	2.992			13.473	1		4-27-27
31,911.37	2.996			2.996			4-27-27
4,241.58		1" — 6.219					8-26-27
46,506.78	8.480						6-14-27
39,725.48	11.849						8-26-27
9,214.29					3		2-11-28
45,223.40	5.105	1" — 6.070	10.474				7-14-27 & 7-15-27
6,668.22		1" — 6.070*					9- 6-28
18,664.65	1.616			1.616	1		6-10-27 & 8-26-27
5,756.64				2.992*			8- 6-27
39,791.95	9.175				7		6- 2-27
1,379.87							3- 2-28
26,108.26	8.858						6-30-27
41,300.48				14.672			10-28-27
45,499.26	9.221						10- 1-27
6,430.73		1½" — 10.379					4-29-27
122,622.84	15.195				3		7-11-28

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928—Continued

Proj. No.	Name	County	Length Miles	Funds		
				Federal	State	Other
274B	Wayne-Norfolk	Wayne	2.141	14,746.12	14,333.12	9,515.65
275A	Madison-Newman	Grove	8.596		501.12	
275B	Madison-Newman	Grove	11.934	26,549.03	26,902.51	
277A	Hyannis-Antioch	Grant	1.672		325.60	
277B	Hyannis-Antioch	Sheridan	8.675		925.08	
277C	Hyannis-Antioch	Sheridan	7.889	23,077.61	23,077.62	
277C	Hyannis-Antioch	Sheridan		959.34	1,569.19	
277D	Hyannis-Antioch	Sheridan	14.772	52,518.95	53,337.84	
277E	Hyannis-Antioch	Grant	4.216	11,006.32	11,356.40	
278C	Columbus-Central	City	6.919	4,431.90	4,431.90	
280C	Niobrara-Monowi	Boyd	2.636	2,098.44	2,513.97	
281B	Dunning-Seneca	Thomas	6.255	19,656.34	19,969.35	
284A	Dunning-LinScott	Blaine	7.630	6,409.55	8,611.90	
284B	Merna-Dunning	Custer	11.050	51,988.27	55,282.56	
286A	Niobrara-Spencer	Boyd	1.244	22,926.24	26,016.68	
286K	Lynch-Spencer	Boyd	2.244		5,705.90	
292B	St. Paul-Ashton	Howard	5.038	15,370.45	15,381.12	
293A	McCook South	Red Willow	1.855		2,444.31	
294A	Wausa-Crofton	Knox	5.952	14,049.37	11,311.25	31,415.27
294B	Wausa-Crofton	Knox	2.970	15,585.40	15,607.24	
294K	Wausa North	Knox	17.704		8,958.60	
294K	Wausa North	Knox	17.704		19,638.86	
294L	Wausa North	Cedar	5.100		3,485.52	
294L	Wausa North	Cedar	5.100		4,571.43	
295K	Genoa-Fullerton	Nance	11.501		22,387.49	
297A	Gothenburg-Farnam	Dawson	1.705	59,993.78	30,007.81	23,996.90
298A	No. Platte Stapleton	Lincoln	5.019	1,730.33	1,747.76	
299A	Tecumseh North	Johnson	2.826	15,820.00	16,862.38	
300A	Morrill-Henry	Scott's Bluff	5.986	22,505.33	22,544.33	
300K	Morrill-Henry	Scott's Bluff	6.200		4,269.09	
301A	Gurley-North	Cheyenne	7.789	18,688.05	19,048.09	
302A	Pender-Rosalie	Burt	3.799	13,437.69	13,651.99	
302B	Bancroft-Pender	Cuming	4.477	15,411.26	23,166.28	
302C	Bancroft-Pender	Thurston	1.185	9,450.32	9,721.03	
302K	Bancroft-Pender	Thurston	2.750		3,250.00	
302K	Bancroft-Pender	Cuming	4.250		1,500.00	
303A	Chapman-Grand	Island		5,472.64	5,472.65	
	Chapman-Grand	Island	8.493	17,428.50	18,983.67	
304K	Winslow South	Dodge	1.750		3,131.85	
304L	Winslow-Oakland	Dodge	9.000		12,331.72	
304M	Winslow-Oakland	Burt	7.000		9,567.81	
306A	Columbus-Monroe	Platte	12.848	45,159.77	47,071.22	
307	Merriman North	Cherry	5.595	18,462.27	18,462.27	
309A	Ames-North Bend	Dodge	4.365	10,121.54	16,387.29	
310A	Scotia West	Greely	.987	22,616.41	11,794.02	11,617.00
313K	O'Neill-Bartlett	Holt	.161		4,676.49	
314K	Adams-Wilber	Gage	2.500		5,279.69	
314L	Clatonia East	Gage	5.591		3,006.00	
600A	David City-Columbus	Butler	15.470		35,927.25	
601A	Elm Creek-Miller	Buffalo	14.600		22,248.31	
602A	Osceola-Clarks	Polk	11.584		41,222.52	
604A	Cozad S. A. Bldg. Appr.	Dawson	2.000		1,864.14	
606A	Stromsburg-Central	City	11.996		17,817.57	
	Stromsburg-Central	City			18,261.87	
606B	Hordville-Central	City	9.016		26,466.63	

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928—Continued

Total		Gravel			No.	Date
Cost	Earth	Paving	2"	3"	Bridges	Awarded
38,594.87	2.141	Conc. .317	.....	.....	2	9-20-27 & 9-27-27
501.12		1" — .500	.....	.....		7- 5-27
53,451.54	11.928	.....	.....	.....	1	4-28-27
325.60		.....	.....	.....		3- 9-28
925.08		.....	.....	.....		3- 9-28
46,155.23	7.889	.....	7.631	.....	.....	6- 4-27
2,528.53		.....	.258‡	.....	.....	1928
105,856.79	14.772	.....	.....	.....	.....	2-20-28
22,362.72	4.216	.....	.....	.....	.....	8-26-27
8,863.80	4.919	.....	.....	.....	.....	9-23-28
4,612.41		.....	.....	2.696	.....	7-15-27
39,626.29	6.255	.....	6.255	.....	.....	6-30-27
15,021.75		.....	7.630	.....	.....	4-29-27
107,270.83	11.050	.....	11.050	.....	.....	5-20-27
49,942.92	1.244	.....	.....	1.244	2	7- 1-27
5,705.90		1½" — 2.244	.....	.....	.....	7-20-28
30,751.57	5.038	.....	1.855	.....	.....	6- 6-27
2,444.31		.....	.....	.....	.....	8-26-27
56,775.89	.500	Conc. .500	.....	5.452	.....	8-26-27
31,192.64	2.970	.....	.....	2.970	.....	5-27-27 & 7-14-27
8,958.60		1" — 17.704	.....	.....	.....	6-30-27
19,638.86	17.704	1" — 17.704*	.....	.....	.....	10-29-28
3,485.52		1" — 5.100	.....	.....	.....	11- 4-27
4,571.43		1" — 5.100*	.....	.....	.....	10-29-28
22,387.49	11.501	1½" — 11.501	.....	.....	.....	11- 9-28
119,998.49	1.497	.....	.....	1.497	1	4-26-27
3,478.09		.....	.533‡	.....	.....	1928
32,682.38	2.826	.....	.....	2.826	.....	4-27-27
45,049.66	5.986	.....	5.986	.....	2	9-15-28
4,269.09		.....	6.200	.....	.....	3-17-27
37,736.14	7.789	.....	.....	7.789	1	4-29-27
27,089.68	3.799	.....	.....	3.799	.....	5-19-27
38,577.54	4.477	.....	.....	4.477	.....	5-20-27
19,171.35	.185	.....	.....	.....	1	8-20-28
3,250.00	2.750	.....	.....	.....	.....	1928
1,500.00	4.250	.....	.....	.....	.....	1928
10,945.29		.....	3.768‡	.....	.....	1928
36,412.17	8.493	.....	.....	4.725	.....	7-29-27
3,131.85		.....	1.750	.....	.....	8-26-27
12,331.72		1½" — 9.000	.....	.....	.....	9- 2-28
9,567.81	7.000	1" — 7.000	.....	.....	.....	10-25-28
92,230.99	12.848	.....	.....	12.848	3	8- 6-27 & 8-29-27
36,924.54	5.595	.....	.....	.....	2	9- 2-28
26,508.83	4.355	.....	4.355	.....	1	10- 8-28
40,027.43	.987	.....	.....	.....	1	10-28-27 & 12-30
4,676.49	.161	.....	.....	.....	1	3- 2-28
5,279.69	2.500	1½" — 2.500	.....	.....	.....	10-13-28
3,000.00	5.591	.....	.....	.....	.....	1928
35,927.25	15.470	1½" — 15.470	.....	.....	.....	6-30-27 & 7-16-27
22,248.31		.....	14.600	.....	.....	8-26-27
41,222.52	11.584	.....	11.584	.....	1	8-26-27
1,864.14		.....	2.000	.....	.....	10- 4-27
17,817.87	9.996	.....	.....	.....	1	10- 7-27 & 10-14
18,261.87	2.000	1½" — 11.996	.....	.....	.....	10-13-28
26,466.63	9.016	1½" — 9.016	.....	.....	.....	10-22-28

ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
JAN. 1, 1927 TO NOV. 15, 1928—Concluded

Proj. No.	Name	County	Length Miles	Funds		
				Federal	State	Other
607A	Barneston West.....	Gage .....	4.212	.....	27,428.23	.....
607B	Barneston-Liberty .....	Gage .....	6.187	.....	23,215.44	.....
607C	Odell East.....	Gage .....	7.994	.....	7,000.00	.....
609A	Appr. Sutherland Sa. Br.....	Lincoln .....	1.000	.....	1,635.04	.....
610A	Papillion West .....	Sarpy .....	.....	.....	3,137.59	.....
611A	Minden-Western .....	Adams .....	7.533	.....	19,639.35	.....
611B	Minden-Western .....	Clay .....	8.951	.....	15,526.41	.....
612A	Woodlawn West .....	Lancaster.....	7.154	.....	19,807.18	.....
614A	Valley-Colon .....	Saunders .....	.682	.....	5,192.57	.....
615A	Hubbard-Emerson .....	Dakota .....	18.200	.....	5,812.00	.....
615B	Emerson West.....	Dixon .....	.750	.....	750.00	.....
617A	Fairbury South.....	Jefferson .....	9.000	.....	7,000.00	.....
618A	Waco-Shelby .....	York .....	9.000	.....	2,000.00	.....
Haugen	S. A. Br. Haugen S. A. Br. Appr.	Keya Paha..	.420	.....	4,747.39	.....
Haugen	S. A. Br. Haugen S. A. Br. Appr.	Rock .....	.423	.....	5,418.83	.....
Valley	S. A. Br. Valley S. A. Br. Appr.	Douglas .....	.....	.....	6,932.50	.....
Valley	S. A. Br. Valley S. A. Br. Appr.	Saunders .....	.....	.....	6,932.50	.....
K. of T.	S. A. Br. King of Trails Bldg.	Cass .....	.....	.....	521.21	2,280.52
K. of T.	S. A. Br. King of Trails Bldg.	Sarpy .....	.....	.....	521.21	2,280.52
TOTALS .....				\$3,175,700.81	\$4,367,067.46	\$271,605.91

† Reshaping.

\* Second Course.

‡ Oiled Gravel.



ESTIMATED COST OF WORK FOR WHICH CONTRACTS WERE AWARDED,  
 JAN. 1, 1927 TO NOV. 15, 1928—Concluded

Total Cost	Earth	Paving	Gravel			No. Bridges	Date Awarded
			2"	3"	4"		
27,428.23	4.242		1½"— 4.242			1	10-19-27
23,215.44	6.187		1½"— 6.187				4-19-28—10-13-28
7,000.00	7.994						1928
1,635.04	1.000						1927
3,137.59						1	5-18-28
19,639.35	7.533					2	10-13-28
15,526.41	8.951					1	10-13-28
19,807.18	7.154		1½"— 7.154				10-25-28
5,192.57	.682		1½"— .682			2	10-13-28
5,812.00	18.200						10-13-28
750.00	.750						1928
7,000.00	9.000						1928
2,000.00	9.000						1928
4,747.39	.420						12- 1-27
5,418.83	.423						12- 1-27
6,932.50							4-12-28
6,932.50							4-12-28
2,801.73							7-25-28
2,801.73							7-25-28
\$7,814,374.18	\$24,856 100.737†	Conc. 9.793 Bit. 1.584 Asph. 0.172	1" —113.212 1" — \$2.541* 1½"—159.843 1½"— 8.529* 6.396‡	288.926 90.501*	764.595 8.102*	2.699 105	

Conc.— Concrete.  
 Bit. — Bituminous Concrete.  
 Asph.— Sheet Asphalt.

**IMPROVEMENTS OF ROADS CONNECTING STATE INSTITUTIONS  
AND STATE PARKS WITH HIGHWAYS**

Funds in the amount of \$100,000.00 were appropriated by the 1919 Legislature for use in paying the State's share of the cost of paving highways adjacent to or connecting State Institutions with permanent highways. From the funds thus appropriated the following expenditures were made:

<b>Town</b>	<b>Institution</b>	<b>Expenditures</b>
Peru .....	Peru Normal.....	\$23,753.86
Beatrice .....	State Institution for Feeble Minded.....	26,000.55
Lincoln .....	State Hospital for Insane.....	32,000.04
Grand Island.....	Old Soldiers' Home.....	18,000.00
	<b>Total .....</b>	<b>\$99,754.45</b>

The 1921 Legislature also appropriated \$100,000.00 for State Aid Paving which was expended as follows:

<b>Town</b>	<b>Institution</b>	<b>Expenditures</b>
Wayne .....	Wayne Normal.....	\$23,000.00
Chadron .....	Chadron Normal.....	20,000.00
Lincoln .....	State Hospital for Insane.....	57,000.00
	<b>Total .....</b>	<b>\$100,000.00</b>

The Legislature of 1923 appropriated \$48,000.00 for State Aid Paving to State Institutions from which funds the following expenditures were made:

<b>Town</b>	<b>Institution</b>	<b>Expenditures</b>
Nebraska City.....	Nebr. City School for Blind.....	\$ 7,800.00
North Platte.....	North Platte Experimental Farm	36,639.53
	<b>Total .....</b>	<b>\$44,439.53</b>
	<b>Unexpended Balance.....</b>	<b>\$ 3,560.47</b>

Of this balance \$3,488.00 was re-appropriated by the 1925 Legislature and again re-appropriated by the Legislature of 1927 for use in defraying the excess cost of improving highways adjacent to State Institutions. This amount was used in paying a portion of the cost of the construction of a bridge on the road leading from the Milford Soldiers' and Sailors' Home to Milford.

The 1925 Legislature recognized two deficiencies and made the following appropriations accordingly which were paid through this department:

<b>Town</b>	<b>Institution</b>	<b>Expenditures</b>
Lincoln .....	State Hospital for Insane.....	\$ 4,732.55
Omaha .....	State School for Deaf.....	10,750.61
	<b>Total .....</b>	<b>\$15,483.16</b>

The Legislature of 1925 also appropriated, from the Gasoline Tax, funds not to exceed \$25,000 for any one year for the purpose of graveling highways connecting State Institutions with State Highways when such State Institutions are not on State Highways and where the distance does not exceed eight miles. The 1927 Legislature authorized this Department to construct highways connecting State Institutions and State Parks with State Highways when such State Institutions and State Parks are not on State Highways established prior to the 1927 Legislature, such expenditures not to exceed \$40,000 for any one year. From the appropriations thus made the following expenditures or obligations have been incurred:

Proj. No.	Length Miles	Type of Improvement	Amount
S. A. 6 Geneva Girls' Train- ing School.....	0.97	3" Gravel Surfacing.....	\$3,295.22
S. A. 7 Geneva Girls' Train- ing School.....	0.76	3" Gravel Surfacing.....	2,623.83
S. A. 8 Kearney Boys' In- dustrial Home....	0.32	2" Gravel Surfacing.....	581.08
S. A. 9 Milford Industrial Home .....	1.00	3" Gravel Surfacing.....	3,472.86
S. A. 10 State Reformatory to State Hospital	1.89	3" Gravel Surfacing.....	4,860.62
S. A. 11 University Place— East State Farm...	1.78	3" Gravel Surfacing.....	4,806.10
S. A. 12 Peru State Normal School .....	6.12	3" Gravel Surfacing.....	22,917.98
S. A. 13 Beatrice—State In- stitute for Feeble Minded .....	0.65	3" Gravel Surfacing.....	1,869.27
S. A. 14 Norfolk State Hos- pital .....	2.07	3" Gravel Surfacing.....	6,097.65
603-A Stolley Park Road...	0.91	Concrete Pavement.....	20,925.04
605-A Milford Soldiers' and Sailors' Home.....	0.25	3" Gravel Surfacing and Bridge .....	919.38
608-A Gretna State Fish Hatchery .....	.....	Bridge .....	3,598.63
616 Havelock-State Farm .....	0.37	Bituminous Concrete Pavement .....	8,800.00
Total.....			\$74,767.66

**CONTRACTORS TO WHOM CONTRACTS WERE AWARDED DURING  
THE PERIOD FROM JANUARY 1, 1927 TO  
NOVEMBER 30, 1928.**

Abel Construction Company, Terminal Building.....	Lincoln, Nebr.
Allied Contractors, Inc., 1803 Douglas Street.....	Omaha, Nebr.
American Paving Corporation, 1325 Grace Street.....	Omaha, Nebr.
Anderson, Lloyd .....	Henry, Nebr.
Artificial Stone Company .....	Bruning, Nebr.
Asplund Construction Company .....	Tecumseh, Nebr.
Baker, Porter C.....	Morrill, Nebr.
Beaty Contracting Company .....	Blair, Nebr.
Bergantzel, H. E., 2237 No. 19th Street.....	Omaha, Nebr.
Bolen, Wm., 4810 Florence Blvd.....	Omaha, Nebr.
Booth and Olson, 120 Virginia Street.....	Sioux City, Iowa
Busche, F. L., 4118 No. 30th Street.....	Omaha, Nebr.
Callahan-Walker Constr. Company, 1200 1st Natl. Bk. Bldg. Omaha, Nebr.	
Capital Bridge Company, 2043 South 24th Street.....	Lincoln, Nebr.
Carstenson Sand Company .....	Columbus, Nebr.
Carter, T. H.....	Hebron, Nebr.
Carter, Alfred .....	McCook, Nebr.
Central Bridge and Construction Company.....	Wahoo, Nebr.
Concrete Construction Company .....	Norfolk, Nebr.
Condon, Dan C., 5412 Florence Blvd.....	Omaha, Nebr.
Condon, Geo. W., 222-24 Grain Exchange Bldg.....	Omaha, Nebr.
Crabtree, Wm. ....	Fullerton, Nebr.
Cronkhite, Geo. ....	Perry, Iowa
Crownover, L. G., 1144 South 11th Street.....	Lincoln, Nebr.
Davison, Allen, Coal Company.....	Beatrice, Nebr.
Detty and Rodenbaugh .....	Cozad, Nebr.
Diamond Engineering Company .....	Grand Island, Nebr.
Eaton, A. N. Metal Products, 1301 Willis Street.....	Omaha, Nebr.
Engler Brothers .....	Lexington, Nebr.
Fairbury Construction Company .....	Fairbury, Nebr.
Finley Butt Construction Company .....	Nebraska City, Nebr.
Fremont Construction Company .....	Fremont, Nebr.
Gass, Thomas .....	Kearney, Nebr.
General Construction Company, 722 Peters Trust Bldg.....	Omaha, Nebr.
Home Construction Company .....	Humboldt, Nebr.
Honska, W. B.....	Concordia, Kans.
Hornby, Chas. T.....	Bassett, Nebr.
Hubert, Julius .....	Upland, Nebr.
Humphreys Morris Company, 408 Securities Bldg.....	Omaha, Nebr.
Hysham, C. J.....	South Side, Omaha, Nebr.
Interstate Concrete Company .....	Fairbury, Nebr.
Keim Construction Company .....	Tecumseh, Nebr.
Keystone Construction Company.....	Nebraska City, Nebr.

Kibbey Engineering Company, 832 Builders Ex. Bldg.....	Minneapolis, Minn.
King, C. H. ....	Indianola, Nebr.
Knapp Construction Company .....	Hastings, Nebr.
Knight, R. R., Blancile Apartments.....	Lincoln, Nebr.
Koehler Construction Company .....	Sterling, Nebr.
Kolterman, E. W., 404 Securities Bldg.....	Omaha, Nebr.
Krotter, Wm. Company .....	Stuart, Nebr.
Landreth, Lyall .....	Scottsbluff, Nebr.
Loomis, O. A. ....	St. Joseph, Mo.
Lund, A. C.....	Kearney, Nebr.
McArdle, P., 526 So. 51st Street.....	Omaha, Nebr.
McBride, L. E., 1948 K Street.....	Lincoln, Nebr.
McClanahan, M. G. and Son.....	Mitchell, Nebr.
McGerr, J. W., 1722 M Street.....	Lincoln, Nebr.
Marrs, E. L.....	Arnold, Nebr.
Martin and Clark .....	Scottsbluff, Nebr.
Martin-Day Company, 310 Little Bldg.....	Lincoln, Nebr.
Metropolitan Construction Company, 215 So. 13th Street.....	Omaha, Nebr.
Metz Construction Company .....	Springfield, Nebr.
Mid-State Construction Company .....	Hastings, Nebr.
Monarch Engineering Company .....	Falls City, Nebr.
Morrissey, M. F., Construction Company.....	Chadron, Nebr.
Murphy Sand Company .....	Fremont, Nebr.
Nebraska Construction Company, 513 So. 13th Street.....	Lincoln, Nebr.
Nebr. Culv. and Mfg. Company .....	Wahoo, Nebr.
Nichols Brothers .....	Fairmont, Nebr.
Norfolk Brdg. & Constr. Company .....	Norfolk, Nebr.
Olund, Axel .....	Detroit Lakes, Minn.
Peterson, H. J. Company, 303 Baum Bldg.....	Omaha, Nebr.
Peterson, Shirley and Gunther, 1411 W. O. W. Bldg.....	Omaha, Nebr.
Quinton, Dan .....	Kearney, Nebr.
Reel and Kennedy .....	Dalton, Nebr.
Risk, H. A. ....	Nebraska City, Nebr.
Roberts Construction Company, 404 1st Natl. Bk. Bldg.....	Lincoln, Nebr.
Ross, A. C. ....	Bayard, Nebr.
Ross, Gilbert .....	Bayard, Nebr.
Sawyer, Paul .....	Overton, Nebr.
Schleuter, Fred .....	Fremont, Nebr.
Scott, David and Sons.....	North Platte, Nebr.
Shearer, J. E. and Son.....	Hebron, Nebr.
Smith, C. W. ....	Plainview, Nebr.
Smith, S. L.....	Henry, Nebr.
Smith, A. C.....	Scottsbluff, Nebr.
Sokol Brothers .....	Duncan, Nebr.
Standard Bridge Company, 1302 City Natl. Bk. Bldg.....	Omaha, Nebr.
Steele and Olinger .....	Sidney, Nebr.
Stevens Brothers, 612 Endicott Bldg.....	St. Paul, Minn.

Theisen Brothers .....	Osmond, Nebr.
Thomas, C. A.....	Hayes Center, Nebr.
Tift, James E., 6720 No. 24th Street.....	Omaha, Nebr.
Vanevery, Geo. ....	O'Neill, Nebr.
Wachtler, J. W., 310 Arthur Bldg.....	Omaha, Nebr.
Walker, Ed. ....	North Platte, Nebr.
Walters, S. F. Construction Company.....	Franklin, Nebr.
Werner, Wm. ....	Norfolk, Nebr.
West. Brdg. & Constr. Company, 3867 Leavenworth St.....	Omaha, Nebr.
Wickham Bridge and Pipe Company.....	Council Bluffs, Iowa
Woods Brothers, 132 South 13th Street.....	Lincoln, Nebr.
Yant Construction Company, 905 Omaha Natl. Bk. Bldg.....	Omaha, Nebr.
Young and Hall .....	Maywood, Nebr.

## AVERAGE CONTRACT PRICES FOR 1927-1928

Item	Unit	Quantity	Unit Prices		Amount
			Min.	Aver.	
Clearing R. O. W.....	Acre	51	\$35.00	\$193.90	\$ 9,966.20
Grubbing R. O. W.....	Acre	50	40.00	256.32	12,943.33
Solid Rock Excavation.....	Cu. Yd.	29,215	.60	1.04	30,364.00
Common Excavation.....	Cu. Yd.	7,880,067	.139	.19	1,475,810.24
Station Excavation.....	Station	2,837	5.00	7.96	22,574.61
Overhaul.....	Cu. Yd. Sta	6,225,530	.02	.02	124,510.60
Top Soil or Sand Clay Excavation.....	Cu. Yd.	423,732	.18	.23	98,977.87
Hauling Top Soil or Sand Clay.....	Cu. Yd. Mile	362,210	.25	.44	160,205.30
Concrete Pavement.....	Sq. Yd.	87,661	1.89	2.09	177,899.34
Reinforced Concrete Pavement.....	Sq. Yd.	13,054	2.35	2.35	30,676.90
Concrete Base Course and Curb.....	Sq. Yd.	17,962	1.22	1.22	21,913.64
Bituminous Concrete.....	Sq. Yd.	17,580	1.32	1.32	23,205.69
Concrete Overflow Pavement.....	Sq. Yd.	3,201	2.75	2.75	8,803.58
Wire Cable Guard Rail.....	Lin. Ft.	31,490	.26	.30	9,540.18
Anchors for Wire Cable Guard Rail.....	Each	416	2.50	5.32	2,212.00
Woven Wire Guard Rail.....	Lin. Ft.	82,056	.40	.42	34,646.36
Braces for Woven Wire Guard Rail.....	Each	946	1.00	1.56	1,473.80
Extra Posts.....	Each	355	.50	.98	347.50
Sand Gravel Surfacing Class A, 4" Deep.....	Sq. Yd.	41,021	.19	.19	7,711.95
Class A, 3" Deep.....	Sq. Yd.	9,086,213	.08	.20	1,803,000.39
Class A, 2" Deep.....	Sq. Yd.	4,423,627	.05	.14	613,297.88
Class A, 1½" Deep.....	Sq. Yd.	1,774,135	.04	.09	161,450.13
Class A, 1" Deep.....	Sq. Yd.	2,557,770	.04	.07	186,926.88
Class C, 3" Deep.....	Sq. Yd.	1,012,930	.09	.15	156,967.72
Class C, 1" Deep.....	Sq. Yd.	392,000	.04	.05	20,214.90
Class D, 3" Deep.....	Sq. Yd.	174,600	.15	.15	26,888.40
Class D, 1" Deep.....	Sq. Yd.	270,780	.06	.06	16,214.85
Common Excavation for Culverts.....	Cu. Yd.	45,571	.45	.79	36,025.80
Wet Excavation for Culverts.....	Cu. Yd.	105	2.00	2.81	295.00
Reinforced Concrete for Box Culverts and Retaining Walls.....	Cu. Yd.	23,610	16.00	19.78	466,887.56
18" Reinforced Concrete Pipe.....	Lin. Ft.	3,273	1.40	1.82	5,975.90
24" Reinforced Concrete Pipe.....	Lin. Ft.	3,534	2.20	2.54	24,192.24
30" Reinforced Concrete Pipe.....	Lin. Ft.	2,014	2.90	3.39	6,836.50
36" Reinforced Concrete Pipe.....	Lin. Ft.	2,436	3.75	4.74	11,557.90
48" Reinforced Concrete Pipe.....	Lin. Ft.	168	7.00	7.50	1,300.00
60" Reinforced Concrete Pipe.....	Lin. Ft.	60	11.00	11.53	692.00
18" Corrugated Metal Pipe.....	Lin. Ft.	6,885	1.50	1.70	11,734.89
24" Corrugated Metal Pipe.....	Lin. Ft.	18,835	2.00	2.66	50,182.71
30" Corrugated Metal Pipe.....	Lin. Ft.	5,279	3.00	3.36	17,744.88
36" Corrugated Metal Pipe.....	Lin. Ft.	3,896	4.75	5.15	20,081.72
42" Corrugated Metal Pipe.....	Lin. Ft.	34	5.30	5.30	180.20
48" Corrugated Metal Pipe.....	Lin. Ft.	188	7.00	8.30	1,564.80
60" Corrugated Metal Pipe.....	Lin. Ft.	216	10.20	10.48	2,251.60
84" Corrugated Metal Pipe.....	Lin. Ft.	340	11.50	14.91	5,069.44
18" Reinforced Concrete Pipe for Driveways.....	Lin. Ft.	734	1.30	1.46	1,070.10
24" Reinforced Concrete Pipe for Driveways.....	Lin. Ft.	408	2.00	2.22	906.80
30" Reinforced Concrete Pipe for Driveways.....	Lin. Ft.	146	2.75	2.79	407.90
18" Corrugated Metal Pipe, Class A, for Driveways.....	Lin. Ft.	112	1.65	1.81	202.40
18" Corrugated Metal Pipe, Class B, for Driveways.....	Lin. Ft.	2,622	1.20	1.46	3,836.90
24" Corrugated Metal Pipe, Class B, for Driveways.....	Lin. Ft.	954	2.10	2.36	2,249.40
30" Corrugated Metal Pipe, Class B, for Driveways.....	Lin. Ft.	208	2.64	2.80	583.20
18" Vitrified Clay Pipe for Driveways.....	Lin. Ft.	48	1.50	1.50	72.00

## AVERAGE CONTRACT PRICES FOR BRIDGE ITEMS

Item	Unit	1925-1926			1927-1928		
		Quantity	Unit Price	Amount	Quantity	Unit Price	Amount
Common Excavation.....Cu. Yd.		20,545	\$ .66	\$ 13,483.05	9,329	\$ .97	\$ 9,022.65
Wet Excavation.....Cu. Yd.		8,882	3.24	28,816.25	5,545	3.62	20,093.95
Untreated Lumber.....M. B. F.					27	68.44	1,863.55
Treated Lumber.....M. B. F.		586	118.13	69,247.76	731	103.98	75,968.02
Concrete Class "AA".....Cu. Yd.		1,101	24.66	27,162.03	2,616	21.62	56,567.54
Concrete Class "A".....Cu. Yd.		9,533	19.98	190,479.10	5,272	20.11	106,029.90
Concrete Class "B".....Cu. Yd.		1,341	16.09	21,579.12			
Reinforcing Steel.....Lb.		945,263	.05	45,209.04	662,105	.05	32,004.40
Superstructure Steel.....Lb.		4,000,546	.06	238,748.29	4,092,932	.05	200,877.27
Extra Structural Steel.....Lb.		183,380	.06	11,024.85	143,010	.06	9,216.83
Wood Piling, Untreated.....Lin. Ft.		15,342	.83	12,669.77	8,140	.86	6,988.00
Wood Piling, Treated.....Lin. Ft.		22,258	1.18	26,183.20	32,299	1.07	34,535.70
Steel Piling, 8" x 32 lb. H.....Lin. Ft.		47,931	2.15	103,106.40	51,806	2.19	113,508.50
Steel Piling, 8" x 31 lb. I.....Lin. Ft.		5,050	1.47	7,431.00			
Cast Iron Scuppers.....Each		416	3.03	1,262.00	720	2.60	1,872.00
Metal Traffic Tread.....Lin. Ft.		7,584	1.65	12,492.29	4,824	1.56	7,507.51
Willow Mattress.....Sq. Yd.					4,247	2.30	9,781.25
Gravel Surfacing.....Sq. Yd.		12,561	.30	3,719.28			



AVERAGE CONTRACT PRICES FOR 1917-1926

ITEM	Unit	1917-1918		1919-1920		1921-1922		1923-1924		1925-1926	
		Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price
Earth Excavation.....	Cu. Yd.	483,000	\$0.310	7,028,587	\$0.454	5,211,999	\$0.305	2,931,674	\$0.232	10,352,364	\$0.20067
Station Excavation.....	100 Ft. Sta.					3,251	6.150	2,872	3.707	4,507.61	4.2753
Sand Clay Excavation.....	Cu. Yd.									976,121	0.2312
Hauling Sand Clay Surfacing Material.....	Cu. Yd. Mile			115,003	1.130	149,752	0.657	256,887	0.571	923,080.1	0.4775
Loose Rock Excavation.....	Cu. Yd.				2.250	23,902	0.360	9,300	0.617	44,052	0.4645
Solid Rock Excavation.....	Cu. Yd.				3.000	15,098	1.770	4,136	1.706	18,648	1.2482
Class "B" Excavation.....	Cu. Yd.									47,779	0.2790
Channel Excavation.....	Cu. Yd.									33,320	0.2375
2-In. Gravel Surfacing.....	Sq. Yd.			144,432	0.247			1,872,355	0.160	7,300,985	0.1405
3-In. Gravel Surfacing.....	Sq. Yd.					132,231	0.200	2,429,873	0.205	11,505	0.2010
4-In. Gravel Surfacing.....	Sq. Yd.			368,498	0.325	\$15,863	0.388	1,529,694	0.243	271,963	0.2505
6-In. Gravel Surfacing.....	Sq. Yd.							40,483	0.289	4,200	0.6600
Concrete Pavement.....	Sq. Yd.			104,731	3.140			327,174	2.596	264,337.47	2.1188
Brick Pavement.....	Sq. Yd.	57,524	2.890	10,986	3.950	6,994	4.330	124,564	3.566	7,476.10	2.9700
Bituminous Concrete Pavement.....	Sq. Yd.					54,775	3.050	54,206	2.581	38,191.33	2.5073
Sheet Asphalt Pavement.....	Sq. Yd.									2,426.67	2.5700
Reinforced Concrete Pavement.....	Sq. Yd.									7,093	2.1200
Reinforced Concrete Pavement with Hard Rock Wearing Surface.....	Sq. Yd.									14,444	2.4100
Headwall Concrete.....	Cu. Yd.	731	28.090	4,130	38.320	4,410	32.400	2,143	26.220	22,277.558	21.2474
Box Culvert Concrete.....	Cu. Yd.		included above	5,997	36.420	6,101	29.980	2,858	23.070	1,258.886	22.3118
Concrete Overflow Pavement.....	Sq. Yd.			23,247	4.430	11,478	3.290	14,038	2.710	4,264.9	2.6029
Class "A" Excavation for Culverts.....	Cu. Yd.									58,688	.74013
Class "B" Excavation for Culverts.....	Cu. Yd.									1,841	.56936
18-In. Reinf. Concrete Pipe.....	Lin. Ft.									9,120	1.87759
24-In. Reinf. Concrete Pipe.....	Lin. Ft.									17,122	2.69674
30-In. Reinf. Concrete Pipe.....	Lin. Ft.									3,756	3.69545
36-In. Reinf. Concrete Pipe.....	Lin. Ft.									3,752	4.93059
42-In. Reinf. Concrete Pipe.....	Lin. Ft.										
48-In. Reinf. Concrete Pipe.....	Lin. Ft.									642	7.75386
60-In. Reinf. Concrete Pipe.....	Lin. Ft.									24	13.8167
18-In. Corru. Metal Pipe.....	Lin. Ft.									9,706	1.64020
24-In. Corru. Metal Pipe.....	Lin. Ft.									16,290	2.79577

DEPARTMENT OF PUBLIC WORKS

**AVERAGE CONTRACT PRICES FOR 1917-1926**

ITEM	Unit	1917-1918		1919-1920		1921-1923		1923-1924		1925-1926	
		Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price
30-In. Corru. Metal Pipe.....	Lin. Ft.	.....	.....	.....	.....	.....	.....	.....	.....	3,756	3.60221
36-In. Corru. Metal Pipe.....	Lin. Ft.	.....	.....	.....	.....	.....	.....	.....	.....	3,918	4.44630
42-In. Corru. Metal Pipe.....	Lin. Ft.	.....	.....	.....	.....	.....	.....	.....	.....	78	7.18667
48-In. Corru. Metal Pipe.....	Lin. Ft.	.....	.....	.....	.....	.....	.....	.....	.....	1,016	7.28618
60-In. Corru. Metal Pipe.....	Lin. Ft.	.....	.....	.....	.....	.....	.....	.....	.....	972	10.45680
Cable Guard Rail.....	Lin. Ft.	.....	.....	.....	.....	52,806	0.457	85,032	0.402	106,194	0.3801
Anchors for Cable											
Guard Rail.....	Each	.....	.....	.....	.....	included	above	782	5.334	1,126	6.1576
Wood Guard Rail.....	Lin. Ft.	.....	.....	43,469	0.740	107,034	0.464	.....	.....	.....	.....
Woven Wire Guard Rail.....	Lin. Ft.	.....	.....	.....	.....	.....	.....	90,354	0.506	.....	0.4681

## FEDERAL AID APPROPRIATIONS

Date of Federal Appropriation	Available Fiscal Year Ending	Lapses July 1	Amount	Nebraska Share	Max. Fed. Aid per Mile
July 11, 1916.....	June 30, 1917	1921	\$ 75,000,000	\$1,599,850.01	\$10,000
Febr. 28, 1919.....	June 30, 1919	1921	200,000,000	4,266,911.65	20,000
Nov. 9, 1921.....	June 30, 1922	1924	75,000,000	1,581,189.50	20,000
June 19, 1922.....	June 30, 1923	1925	50,000,000	1,054,126.33	16,250
Febr. 26, 1923.....	June 30, 1924	1926	65,000,000	1,371,713.17	15,000
June 5, 1924.....	June 30, 1925	1927	75,000,000	1,577,155.34	15,000
Febr. 12, 1925.....	June 30, 1926	1928	75,000,000	1,581,969.00	15,000
Montana's 1923 funds reappropriated			655,546	14,182.00	15,000
Febr. 12, 1925.....	June 30, 1927	1929	75,000,000	1,588,138.00	15,000
June 22, 1926.....	June 30, 1928	1930	75,000,000	1,585,138.00	15,000
June 22, 1926.....	June 30, 1929	1931	75,000,000	1,584,980.00	15,000
Total Federal Aid available June 30, 1929.....				\$17,805,354.00	

## STATUS OF FEDERAL AID APPORTIONMENTS

Projects completed and paid for.....	\$11,747,576.24
Projects under agreement, but not built.....	4,008,064.04
Projects approved, agreements not executed.....	128,642.40

Total.....\$15,884,282.88

Total Federal Aid available through fiscal year ending  
June 30, 1929..... 17,805,354.00

Balance of Federal Aid available for new projects.....\$ 1,921,071.12

Federal Aid paid to Nebraska, October 1st, 1926, to  
September 30th, 1928.....\$ 4,931,082.97

Federal Aid available for new projects which may be constructed during the biennium 1929 and 1930 estimated at approximately .....\$ 5,091,000.00

The following appropriations to meet Federal Aid have been made by the past state legislatures:

State Appropriations	Years Covered	Amount
1917 Legislature.....	1917 to July 1, 1919	\$ 640,000.00
1919 Legislature.....	1919 to July 1, 1921	3,093,262.00
1921 Legislature.....	1921 to July 1, 1923	2,262,750.39
1923 Legislature.....	1923 to July 1, 1925	1,500,000.00

Total.....\$7,496,012.39

Deducted by 1921 Special Session..... 366,870.99

Total State Aid Road Appropriation to 1925..... 7,129,141.40

1925 Legislature, 2c Gas Tax, estimated April 1, 1925, to  
July 1, 1929.....\$8,250,000.00

## REPORT OF SECRETARY

The following tabulation shows the expenditures and obligations from Federal, State and other funds to November 15, 1928:

Biennium	Federal	State	Other Funds	Total
1917-1918	\$ 246,616.18	\$ 247,205.28	\$ 146,262.49	\$ 640,083.95
1919-1920	2,911,878.74	3,244,348.76	156,470.29	6,312,697.79
1921-1922	2,190,427.10	2,500,314.26	235,626.83	4,926,368.19
1923-1924	2,425,831.97	1,371,163.79	1,304,341.38	5,101,337.14
1925-1926	4,646,915.71	5,102,731.56	522,938.17	10,272,585.44
1927-1928	3,175,700.81	4,367,067.46	271,605.91	7,814,374.18
Totals...	\$15,597,370.51	\$16,832,831.11	\$2,637,245.07	\$35,067,446.69

The following chart shows the relative amount of each appropriation credited to each County. This apportionment is made, as required by State law, as follows:

"One-third in the ratio which the area of each county bears to the total area of the state;

One-third in the ratio which the number of rural delivery and star routes in each county bears to the total mileage of rural delivery and star routes in the state;

One-third in the ratio which the population of each county bears to the total population of the state.

The ratio of population between the counties shall be determined by the number of votes cast in the respective counties for Governor at the General Election of 1916."

By multiplying the ratio as shown in the next to the last column of this chart by the total amount of an appropriation, the share due any county can be determined.

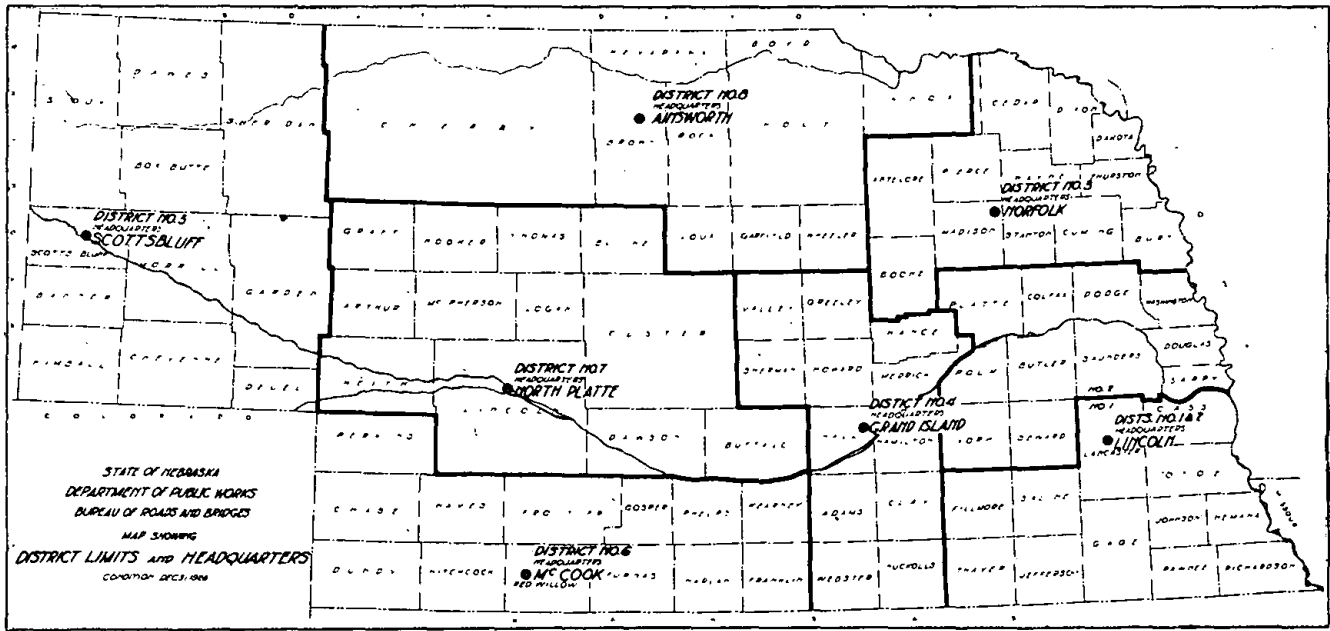
**CHART SHOWING METHOD OF DISTRIBUTION OF  
STATE-FEDERAL AID ROAD FUND**

County	Area	Population	Miles of Post Route	Ratio of County to State	Mileage State Highways*
Adams	565	4,999	530.5	.013532718	77.0
Antelope	872	3,538	614.2	.013020930	103.1
Arthur	800	444	108.0	.005070928	43.1
Banner	742	322	145.6	.005059311	45.4
Blaine	711	458	89.5	.004513862	48.1
Boone	692	3,400	430.5	.011243391	80.1
Box Butte	1,076	1,576	115.5	.007640354	89.0
Boyd	535	1,745	316.3	.007513526	64.5
Brown	1,235	1,483	228.0	.009360157	79.3
Buffalo	945	5,282	621.8	.016427436	135.9
Burt	475	3,051	415.0	.009745575	94.6
Butler	583	3,609	506.25	.011764575	85.1
Cass	538	4,874	489.5	.012858351	104.6
Cedar	735	3,551	551.75	.012827476	102.1
Chase	899	1,006	172.0	.006790326	75.5
Cherry	5,979	3,054	538.5	.034882745	201.2
Cheyenne	1,194	1,503	122.0	.008134534	79.7
Clay	579	3,877	554.0	.012546384	81.3
Colfax	405	2,607	373.0	.008509313	60.7
Cuming	577	3,113	526.0	.011380300	91.1
Custer	2,588	6,322	943.0	.027992922	194.0
Dakota	253	1,721	188.5	.004971961	59.1
Dawes	1,402	1,923	206.0	.010336314	120.0
Dawson	985	3,666	502.5	.013546663	114.0
Deuel	439	563	110.0	.008660678	50.0
Dixon	472	2,654	365.5	.008778137	82.1
Dodge	531	5,337	397.0	.012423765	92.3
Douglas	331	41,642	310.0	.052238170	119.8
Dundy	927	1,042	236.0	.007599445	64.3
Fillmore	576	3,600	562.0	.012297063	83.3
Franklin	578	2,530	359.0	.009030556	70.0
Frontier	975	1,992	367.0	.010218377	100.2
Furnas	721	2,920	430.0	.010814705	88.5
Gage	862	7,047	856.0	.020443556	145.1
Garden	1,652	963	123.5	.009519145	92.0
Garfield	575	809	170.0	.005138502	91.0
Gosper	464	1,101	294.0	.006243441	61.2
Grant	726	414	78.0	.004412441	50.8
Greeley	571	2,000	218.0	.006596365	80.5
Hall	528	5,321	404.0	.012463127	73.7
Hamilton	538	3,369	516.0	.011403110	74.0
Harlan	574	2,278	348.0	.008613616	83.0
Hayes	722	665	143.0	.005338912	60.0
Hitchcock	724	1,204	212.0	.006661517	75.2
Holt	2,393	3,990	674.0	.021760174	159.4
Hooker	722	353	90.0	.004446449	59.5
Howard	561	2,254	310.0	.008145927	89.0
Jefferson	578	3,890	548.5	.012501378	84.5
Johnson	374	2,547	390.5	.008482840	59.7
Kearney	516	2,771	310.5	.008547534	81.0
Keith	1,068	1,022	100.0	.006814882	114.5
Keya Paha	775	790	106.0	.005238324	64.1
Kimball	958	649	141.5	.006329645	66.5
Knox	1,114	4,361	671.0	.016603948	132.6
Lancaster	853	16,925	876.0	.031924683	147.3
Lincoln	2,536	3,895	513.0	.020645834	188.7
Logan	573	495	73.0	.003790675	55.7
Loup	576	442	140.0	.004419713	38.6
Madison	576	4,887	407.5	.012209955	98.9
McPherson	874	332	110.0	.005284059	43.6
Merrick	463	2,665	381.0	.008908219	98.4
Morrill	1,417	1,472	130.0	.009147626	117.5
Nance	446	2,186	270.0	.007165007	70.2
Nemaha	389	3,145	398.1	.009309270	54.5
Nuckolls	579	3,354	410.5	.010498335	74.1
Otoe	606	4,683	567.5	.013722597	80.2

**CHART SHOWING METHOD OF DISTRIBUTION OF  
STATE-FEDERAL AID ROAD FUND — Concluded**

County	Area	Population	Miles of Post Route	Ratio of County to State	Mileage State Highways*
Pawnee .....	431	2,541	415.0	.008970787	65.8
Perkins .....	886	667	27.0	.004881347	79.5
Phelps .....	538	2,543	393.5	.009220291	65.0
Pierce .....	577	2,321	354.0	.008736460	52.7
Platte .....	673	4,436	528.0	.013331662	103.7
Polk .....	430	2,777	420.0	.009287115	81.0
Red Willow .....	720	2,510	464.0	.010684404	87.8
Richardson .....	545	4,928	530.0	.013359593	74.5
Rock .....	1,004	898	218.0	.007586966	75.7
Saline .....	573	4,268	562.0	.013048752	105.5
Sarpy .....	240	2,360	210.0	.005864201	63.1
Saunders .....	756	4,886	700.0	.015944194	107.0
Scotts Bluff .....	723	2,938	235.0	.0068874514	87.2
Seward .....	574	3,775	552.0	.012387718	65.0
Sheridan .....	2,469	1,884	404.0	.016952135	213.5
Sherman .....	573	2,010	309.5	.007913630	65.5
Sioux .....	2,055	1,126	190.0	.012126336	84.7
Stanton .....	431	1,705	232.0	.006165479	65.4
Thayer .....	578	3,486	532.5	.011877290	81.0
Thomas .....	716	440	34.0	.003954412	70.0
Thurston .....	387	2,153	219.0	.006356086	42.5
Valley .....	570	2,340	342.0	.008566633	59.7
Washington .....	330	3,009	348.0	.008608519	70.7
Wayne .....	450	2,312	344.5	.008979050	94.0
Webster .....	578	2,266	406.0	.009203029	81.9
Wheeler .....	578	514	130.0	.004409817	55.8
York .....	575	4,402	601.0	.013604726	59.0
Total .....	76,808	291,178	33003.5	1.000000000	\$011.7

\* Total State and Federal Aid Highway Mileage as of December 31, 1928.



## REPORT OF SECRETARY

## REPORT OF THE EIGHT DISTRICTS

There are eight district engineers with permanent headquarters as shown by the district map. Contact is maintained between the State Engineer, Chief of Bureau, Maintenance and Construction Engineer and the District Engineers by inspection trips, and by conferences about once a month in the Lincoln Office. Below is a brief description of each district for the past two years:

**District No. 1**

F. H. Klietsch, Lincoln, is the District Engineer. During the late winter and spring of 1927, very difficult road conditions resulted on account of the excessive rains and alternate freezing and thawing conditions. This was particularly true on the heavier traveled roads out of Lincoln and in the Missouri Valley from Falls City north to Omaha. It was not until the summer of 1927 that normal conditions were resumed and at that time extra gravel surfacing had to be placed to take care of the gravel that had been lost during the long wet season.

During the balance of the biennium fairly normal conditions resulted and the usual construction and maintenance activities were continued.

In the first week of November, 1928, an unusually heavy snow storm occurred which blocked the east and west roads for about a day and a half. On account of the state law which permitted snow fences to be placed only after November 15th, many snow fences were not in place.

**District No. 2**

Edwin Olmstead, Lincoln, is the District Engineer.

The activities in District No. 2, for the past two years have been centered on maintenance work. Practically all of the roads in this district have been graveled and in many cases maintenance gravel had to be placed on portions of the highway where it had worn away from traffic.

Weather conditions in the early spring of 1927 caused a good deal of extra expense on account of the gravel being used up in the wet roads. During the snow storm in the early part of November, 1928, the heaviest snow fall in the state fell in this district. The patrol crews worked continuously for about 48 hours on most patrols in opening up the roads for traffic. The loyalty of the men in the maintenance activities has been very noticeable.

**District No. 3**

A. C. Tilley, Norfolk, is the District Engineer.

One of the most outstanding improvements has been the completion of the graveled of the Meridian Highway through the district, which



highway had assumed increased importance following the opening of the bridge at Yankton across the Missouri River. Another outstanding improvement has been in the completion of Highway No. 20 from Plainview to Highway No. 81 providing an outlet to Omaha, Lincoln, and other points. The gravel surfacing on Highway No. 77 was completed, making connections from Sioux City to Omaha through Tekamah and to Lincoln through Fremont. Highway No. 51 was graveled to Highway No. 77 making an outlet for Bancroft and Pender.

The last two years required unusual work by the maintenance organization on account of extreme weather conditions. Starting with the spring of 1927, the highways were subjected to an extreme wet period. Continuously for about two and one-half months, there was alternately rain and snow, freezing and thawing, but no drying weather until the end of April. This wet period produced some frost boils where teams and tractors had to be kept at hand to pull vehicles through, and also was the cause of expenditures for replacement gravel during which time the public was very patient and moderate in their demands. For the balance of the two years there were no abnormal wet periods, though in the summer of 1928, this district experienced what is said to be the second longest dry period in the recollection of the oldest residents. The maintenance crews found this dry period even more difficult to cope with than the wet weather. The gravel became corrugated and choppy and in many places the gravel worked out of the crust. As soon as moisture came this condition was corrected and the gravel surfaces were placed in good shape.

In November, 1928, a heavy rain fell, followed by a heavy wet snow, and in many cases drifts as high as an automobile were common. This snow storm came from the northeast, which was unusual. Snow fences did not help very much on account of the direction of the wind, in other cases on account of a law permitting placing of snow fences only after November 15th, the fences were not in place. Following the storm the maintenance forces willingly worked nights and Sundays and as a result the roads were returned to normal condition about two weeks after the storm. In Dakota County, there was a tornado which killed several persons and blew down houses, poles, trees and covered the highways in many places. The Chief Patrolman with helpers cleaned the highways to make travel safe during the first night and worked all night as traffic officers to prevent traffic jams. For 50 miles from the Sioux City Bridge there was a continuous stream of traffic all day. Rough estimates placed the number of cars over Highway No. 77 in Dakota County between 30,000 and 40,000 on the first Sunday following the tornado.

**District No. 4**

F. C. Rolis, Grand Island, is the District Engineer.

One of the most outstanding improvements was a bridge across the Loup River leading into Scotia where previously all traffic entering Scotia except from the east, had to cross a railroad bridge. Coincident with the building of the Scotia Bridge, a highway was built along the railroad to shorten the distance between North Loup and Scotia by three miles.

Another improvement on the heavily traveled Lincoln Highway between Grand Island and Chapman was the oiled gravel.

For the past two summers this district suffered from dry weather which during the heavier traffic caused excessive wear on gravel roads. In the first part of November, 1928, an unusual snow storm occurred which blocked east and west roads for about two days and which required considerable extra labor to permit traffic to move again.

**District No. 5**

T. C. Middleswart, Scottsbluff, is the District Engineer.

The early months of 1927 brought the worst spring snow trouble ever experienced in District No. 5. Normal weather conditions followed until June, 1928, when about 13 inches of rain or almost a total annual average of rainfall came in a little over two months. This extraordinary condition was followed by 11 weeks of dry weather with scarcely enough rain to settle the dust. Beet hauling followed immediately over the dryest roads of the year. On November 1st, 1928, a severe blizzard came that blocked roads for several hours.

District No. 5 was honored by the visit of President Coolidge, who traveled over Highway 137 from Rushville north to Pine Ridge, South Dakota, on August 17th, 1927.

**District No. 6**

F. C. Smith, McCook, is the District Engineer.

This district had extremes in weather conditions during the past year the same as the other districts which materially effected road work. On March 11, 1927, a heavy snow developed into a blizzard and extended from Arapahoe west to the Colorado Line which blocked the east and west roads so solid that a tractor could run over the tops of the drifts without sinking in. It took several days to get the roads open for traffic after this blockade.

On July 16th, 1927, a rainfall of six inches together with hail occurred northeast of Franklin. In the run off considerable straw and grain was rolled down the water courses in a solid wall which blocked some of the drainage structures and washed out the fills.

Over the western part of the district, there was a long dry spell from August, 1927, to the first of May, 1928, which made maintenance conditions especially difficult in Hitchcock and Dundy counties where there was road construction. On these projects the dry powdery soil could not be kept in place and travel was quite slow.

In May, 1928, there was an unusually heavy rainfall in the district, causing the Frenchman River to make several overflows effecting traffic over the D. L. D.

On the evening of July 28th, 1928, rain resembling a cloudburst fell near McCook which washed out the highway and railroad in three places. At this time a young man was drowned when his car was washed off the highway bridge just east of McCook by a stream of water which came down the canyon. At the same time McCook was visited by a very destructive tornado causing a heavy property loss in the residential section of the city and practically destroyed the district shop and patrol shed in the southwest corner of the city.

#### District No. 7

C. W. Eubank, North Platte, is the District Engineer.

This district might well be divided into two sections when viewed from the standpoint of road construction and maintenance. The south section includes the counties with the heavy traffic while the north section includes the counties of the sand hill region with light traffic and small population.

On account of the increase in traffic on the Lincoln Highway, particularly east of North Platte, and on account of soil conditions, difficulty was experienced in maintaining this road in good shape. The soil near the Platte River is about 18 inches to 24 inches deep and is underlaid with river sand. During the spring and fall, water rises up to within about 12 inches of the surface causing the surfacing of the road under heavy traffic to become wavy and pitted.

In the north part of the district, improvement has been made during the two years on the Potash Highway. From Anselmo north and west, this highway goes through the heart of the sand hills, where road building is expensive and difficult. By placing the construction on the worst stretches in each county, a traveler will now find some excellent roads where formerly the sand trails were rather difficult. It was found that by making a temporary grade in the spring before the wet season opens that the sand roads could be greatly improved and during the biennium all State Highways which were not permanently graded have been temporarily graded and placed under maintenance with a patrolman for approximately every 10 miles of road. Team patrols take care of the roads in this section since the travel is light and the soil conditions are such that wheel tractors cannot operate on the sand roads.

**District No. 8**

W. H. Bauman, Ainsworth, is the District Engineer.

District No. 8 is in a large part composed of the sand hill portion of Nebraska, also heavy soils are found in Knox, Boyd and part of Holt county, the break being approximately located along the north and south line through O'Neill.

This region of the state has been almost inaccessible until a few years ago. However, with the improvements of the last few years Highway No. 20 has been improved across nearly the entire length of the district. On account of the sandy soil, the high winds and lack of proper road material, road building in this district is difficult and at places very expensive.

Maintenance activities consist of the usual routine. This district, however, has certain problems different from parts of the state that have heavier soils. Vegetation has to be coaxed on backslopes, shoulders and in the ditches of the sand clay roads through the sandy portion of the district in an effort to hold the soil from blowing. Burning weeds is almost entirely prohibited since prairie fires are a very serious consequence throughout this district. During the dry season, the highways often become pitted, blown out and very rough. Moisture permits maintenance on the surface and eliminates pitted conditions. During the winter months snow falls are heavy and drifts occur which require plowing or shoveling.

The residents in this district are very interested in road improvement and are ready and willing at all times to co-operate with the highway department in the construction and maintenance improvements.

**Conclusion of District Report**

The outstanding item in the work in all districts and all activities of the state has been the loyalty shown by all employees, both in construction and maintenance work. In the field work, this loyalty has been demonstrated by extra long hours, extra care in the work, and work on holidays and Sundays. While in the office, it was demonstrated by extra night work and by speeding up the regular work, particularly in 1927 when several big lettings were possible only by the extra work of the office force.

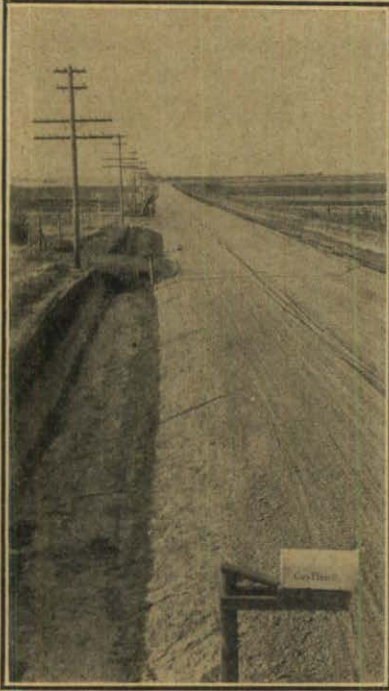
The following views are typical of the construction and maintenance work in the eight districts during 1927 and 1928.



A scenic view of a graveled highway north of McCook,  
Red Willow County



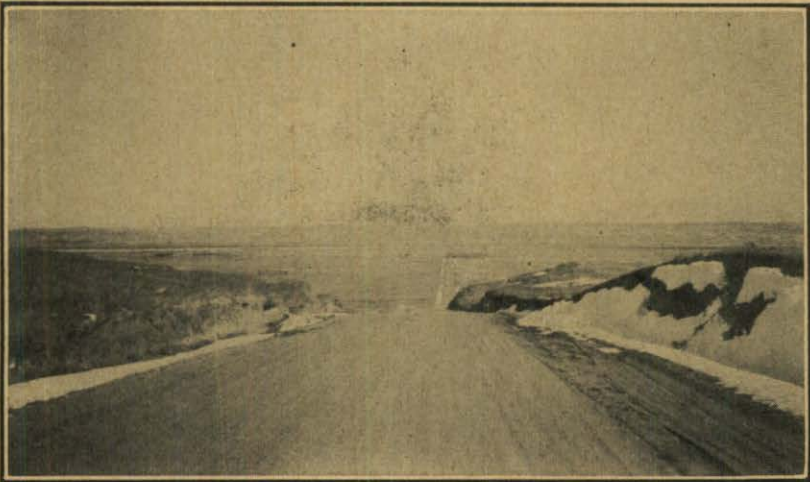
Oiled gravel on the Cornhusker Highway seven miles north of Lincoln,  
Lancaster County.



Almost perfect construction work on a graveled highway north of Holdrege, Phelps County, Nebraska.



A graveled boulevard west of Meadow Grove, showing excellent surface maintenance in Madison County.



Graveled speedway, replacing the sand hill trail six miles north of Ogallala, overlooking the North Platte Valley, Keith County, Nebraska.

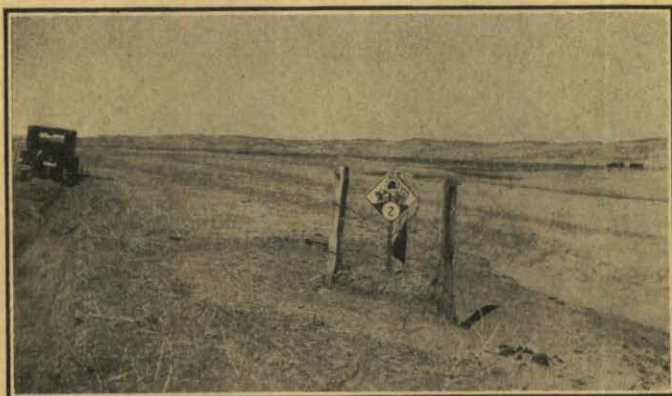




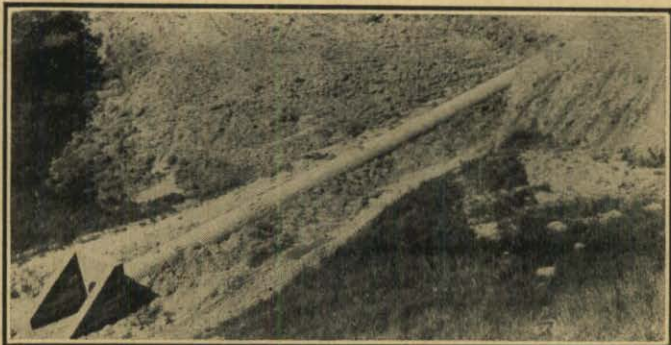
Cut thru bluffs south of Niobrara River on the O'Neill-Spencer road, Holt County.



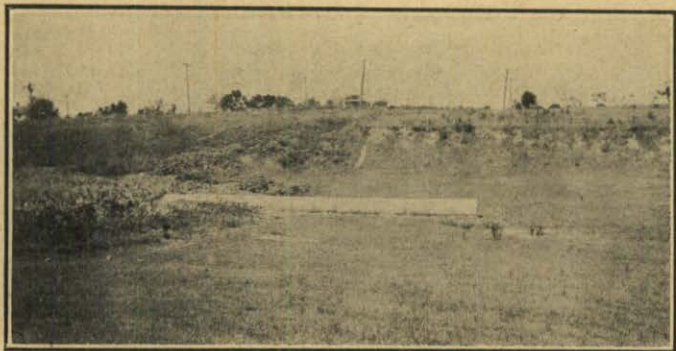
Hauling embankment material on the Ames-North Bend project, Dodge County.



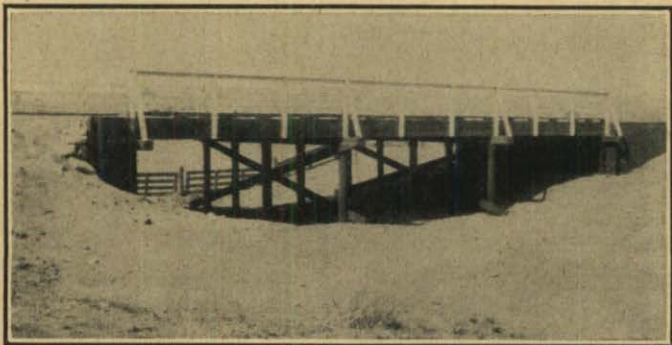
An unimproved State Highway at the County Line between Grant and Hooker Counties, showing method of protecting signs from cattle. Note sand is trampled down about one foot below the original surface, around the sign.



A typical corrugated pipe culvert of 120 feet, of 30-inch pipe on a very heavy grading project between McCook and Maywood, Frontier County.

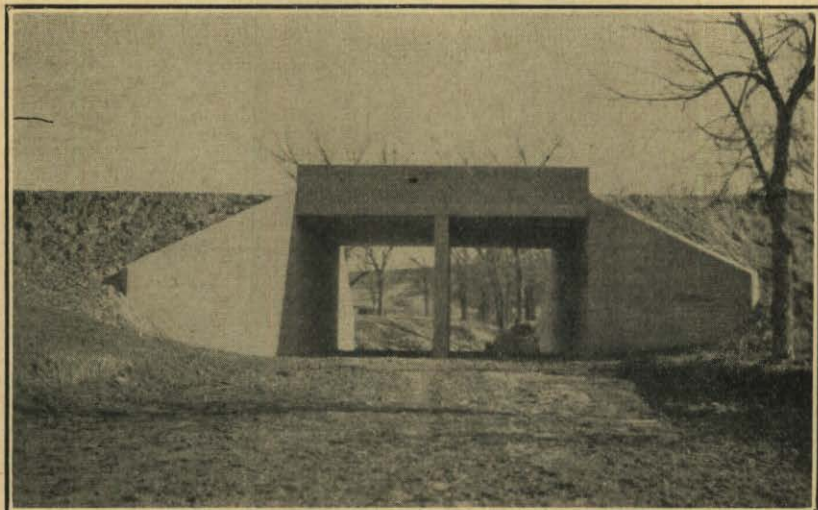


A typical concrete pipe of 56 feet, of 30-inch pipe on a relocation on Nelson-Red Cloud project in Nuckolls County, ahead of headwalls and grading work.

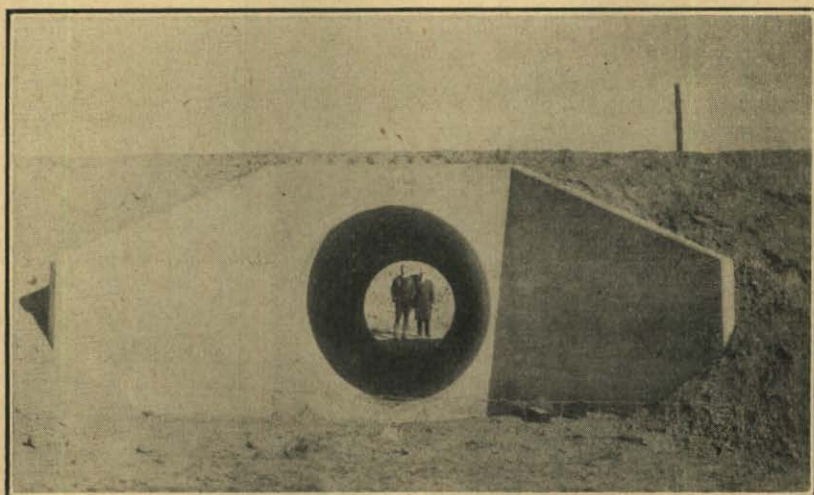


A typical creosoted timber trestle over a dry canyon in southwestern Nebraska.





Two views of culverts—a double 10x10 box culvert above and an 84-inch corrugated iron pipe with head-walls below.





Drag-line work thru lake in Lakeside-Ellsworth project. This is the kind of material also used to cover the sand base as shown in the picture below.





## PAVING ON NEBRASKA STATE HIGHWAYS

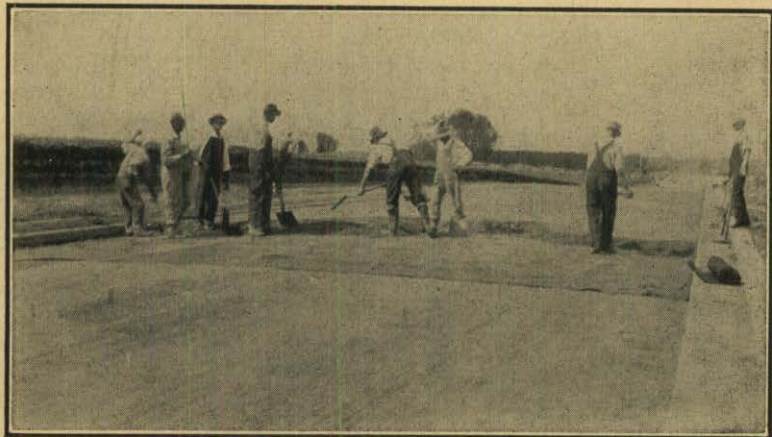
Paving on Nebraska State Highways is illustrated by the following views. Of the 165 miles of paving on the State system, the following types have been used: Concrete, Sheet Asphalt, Bituminous Concrete, Brick.



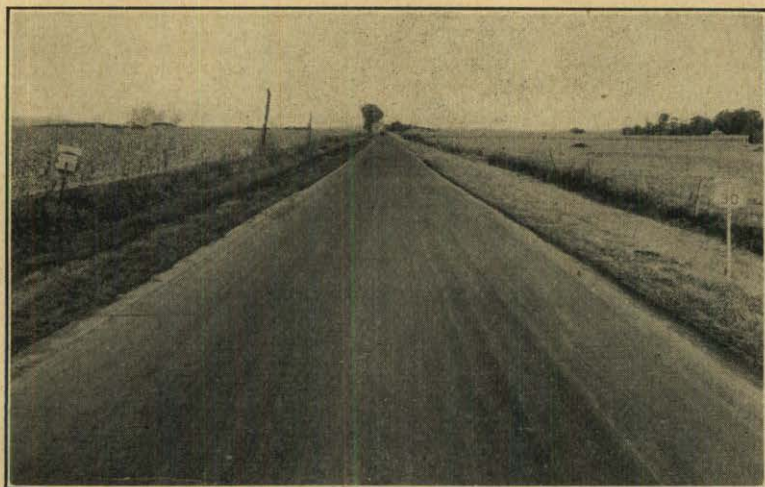
The above view shows a concrete pavement through the west part of Wahoo, Saunders County, missing the main business street and saving two right angle turns. Built with Federal, City and State Funds in 1927.

## REPORT OF SECRETARY

Sheet asphalt over concrete base and bituminous concrete over concrete base are the pavements commonly called "Black Tops" on account of the black color of the wearing surface.



**Crew placing bituminous concrete pavement over a concrete base on Nebraska State Highway.**



**A finished Black Top Pavement on a Nebraska State Highway between Omaha and Fremont.**



Typical brick pavement is shown by the following view of Nebraska State Highway north of Havelock, Lancaster County.





**A Typical Nebraska Graveled Road.**

## GRAVELED ROADS IN NEBRASKA

## History of Nebraska Sand-Gravel Roads

During the past four years, Nebraska has constructed 2861 miles of sand-gravel roads, varying in thickness from one inch to six inches. Prior to 1923, the total mileage of sand-gravel roads in Nebraska was only 133, but this small amount was sufficient to show the adequacy of this type of Low Cost Improved Road. The following summary will show the rapid growth of sand-gravel roads in Nebraska and the thickness of the application used:

Biennium	Miles of Gravel
1917-1918.....	12
1919-1920.....	46
1921-1922.....	75
1923-1924.....	463
1925-1926.....	1532
1927-1928.....	1329
Total.....	3457
Depth	Miles
1" .....	113
1½".....	181
2" .....	973
3" .....	1924
4" .....	262
6" .....	4
Total.....	3457

It can be clearly seen from the above tabulation that sand-gravel roads in Nebraska are no longer an experiment. This type of Low Cost Improved Road is being referred to in this investigation as a sand-gravel road because it is distinctly different from the class of roads usually referred to as graveled roads, or from the class referred to as sand-clay roads. From the standpoint of materials of construction it lies between these two classes and is superior to both. It partakes of the smoothness of a sand-clay road and has the wearing and carrying capacity of the best graveled roads.

The general specified analysis of the material to be used for surfacing is as follows: 100% passing one inch sieve, from 0 to 50% retained on a No. 4 sieve, and from 70 to 90% retained on a No. 10 sieve. This material is fine enough so that the surface does not ravel and with proper maintenance can be kept in excellent condition.

This type of road is entirely free from slipperiness and can be safely traveled at higher speeds than most pavements and with more

comfort. The only objectionable feature of this type of road is the dust nuisance which it is hoped may later be partially overcome by the use of the proper road oil. The low cost of construction and maintenance of sand-gravel roads in Nebraska is largely responsible for their rapid growth.

Nebraska, by adopting the present sand-gravel road program, has been able to expand its mileage of improved roads to about 10 times the amount that would have been possible under a paving program. It is generally considered that gravel roads are not economical in other states where the traffic exceeds 500 vehicles per day, but this type of Low Cost Improved Road, constructed with a four-inch application of sand-gravel, has proven successful where, traffic has been as high as 2,500 vehicles daily in Nebraska.

The greater part of the sand-gravel roads of Nebraska have been constructed on the natural surface soil, which after being shaped to the proper cross-section and grade, is considered the subsoil of the road surface. However, part of the roads, located largely in the north-central section, have been constructed over very sandy soil and before surfacing these with sand-gravel it was first necessary to clay surface the natural soil.

#### Discussion of Materials Used in Nebraska Sand-Gravel Roads

Nebraska is particularly fortunate in having an abundant supply of sand-gravel which is well distributed over the state, but unfortunately the principal supply is confined to the Platte River and it has been necessary to ship or haul long distances at times. There are two distinct sources of supply, the one is a sedimentary deposit laid down by stream flow, and the other is a glacial deposit. The sedimentary deposit is composed chiefly of very hard and durable grains of quartz and feldspar and is generally more durable than the glacial deposit which is also made up largely of quartz and feldspar but contains some limestone, sandstone and disintegrated granite which do not show as high a resistance to wear.

Almost all commercial sand-gravel is obtained from the sedimentary deposit which is usually located adjacent to rivers or where there was formerly a river bed. The material lies in strata which vary from a few feet to over sixty feet in depth. Most of the commercial plants are located where the underflow is sufficient to operate them by pumping. As the sand-gravel is removed lakes are formed. Some of these plants pump the material out to a depth of over fifty feet. Sand-gravel obtained by this means is very clean and contains practically no silt and clay.

Most of the local sand-gravel, which is an unwashed product, is obtained from pits which are located in glacial deposits. The sand-gravel from these pits usually contains considerable silt and clay and



excess fine material which is partially removed by screening. The local deposits are only used on projects where truck haul is economical.

There are two ways in which a deposit carrying an insufficient amount of material retained on the No. 10 sieve may be used. If the pit contains over-size material this may be crushed to a size less than one inch in diameter and be used with the excess finer material to produce a grading which meets the specifications. The other way in which a pit containing too much fine material may be used is to place more material on the road than specified. The amount of additional material required must be sufficient to bring the total amount retained on a No. 10 sieve up to the amount specified on the basis of the original thickness required by contract. The per cent of additional material to be added may be determined from the mechanical analysis of the sand-gravel by dividing the deficiency on the No. 10 sieve by the amount retained on the No. 10 sieve and multiplying by 100. The deficiency may also be made up by adding a sufficient amount of coarser sand-gravel to bring the amount retained on the No. 10 sieve up to the specified amount based on the original thickness.

The sub-grade material upon which the sand-gravel road is constructed also plays a very important part in the life and maintenance of the road. One of the first requirements for obtaining a satisfactory surface is the proper construction and drainage of the sub-grade. Where the sand-gravel surface is constructed from commercial pumped sand-gravel the binder for the surface must come almost entirely from the sub-soil material.

A small amount of binder is also obtained from the gradual disintegration of the sand-gravel due to wear from traffic and maintenance. The importance of this abraded material as a binder has not been fully determined but it no doubt depends largely on the quality of the subsoil material with which it becomes incorporated.

Where the sand-gravel surface is constructed from material obtained from local bank pits it usually contains some silt and clay, which in some cases is an excellent binder, while in other cases its value is questionable.

On Pages 41 and 42 of the previous Biennial Report, a description is given of a questionnaire and field study made in the previous biennium. To date more than 100 samples have been analyzed and 76 studied in detail, with a detailed report chart and summary available upon request, from the Department of Public Works.

The investigation is not considered complete, and while a great deal of information has been obtained to date, the investigation has in reality only been started. It is hoped that this investigation may be continued so that the many phases and relations for which insufficient data is now

available may receive further study and consideration. Like most investigations, some important information has been omitted and some precautions were not taken which have resulted in a few discrepancies in the result.



A Gravel Pile of 13,000 cubic yards south of North Platte ready to be hauled on the road.

#### GENERAL CONCLUSIONS

Briefly summarizing a few of the outstanding results of the investigation, it was found that:

1. The sand-gravel in bottom half of mat was consistently coarser than in top half.
2. The clay content was usually higher in the bottom half of mat than in top half.
3. The silt and clay content was usually higher in the bottom half of mat than in top half.
4. In general, a distinct line of demarcation exists between the sand-gravel mat and the subsoil.
5. Practically all of the sand-gravel found in the mats was finer than specified at the time of construction.

6. The grading of local sand-gravel was much finer than for commercial sand-gravel.

7. The presence of a limited amount of silt and clay in sand-gravel is not objectionable.

8. The average clay content of the sand-gravel mats is 12.8%.

9. The average clay content of sand-gravel mats constructed from commercial gravel is 13.5%.

10. The average clay content of sand gravel mats constructed from local gravel is 11.2%.

11. The average silt and clay content of the sand-gravel mats is 25.0%.

12. The average silt and clay content of sand-gravel mats constructed from commercial gravel is 26.4%.

13. The average silt and clay content of sand-gravel mats constructed from local gravel is 21.3%.

14. The presence of clay or of silt and clay in sand-gravel before being placed on the road has little or no effect on the clay or the silt and clay content after compaction in road.

15. Commercial sand-gravel composed chiefly of quartz and feldspar shows a higher resistance to abrasion than local sand-gravel which usually contains some limestone and soft sandstone pebbles.

16. Sand-gravel which has a uniform grading produces a smoother road surface and is easier maintained.

17. Sand-gravel having a maximum size of  $\frac{3}{8}$ -inch with 40% or more of the material retained on a No. 10 sieve will make a satisfactory sand-gravel road but that it will probably not have as long a life as would be obtained from the use of standard sand-gravel having a maximum size of 1-inch with 70% or more of the material retained on a No. 10 sieve.

18. Subsoil is an important factor in the maintenance of sand-gravel roads.

19. The information so far obtained indicates that the ability to maintain the road surface free from corrugations will depend largely upon the quality of sub-soil.

20. Proper drainage is very necessary to prevent rutting and disintegration during wet weather.

**NEBRASKA OILED GRAVEL ROADS**

Other states have used oiled gravel roads and have developed processes in the use of oiled gravel roads and have demonstrated their success. As a result of the success in other states, the Nebraska Department of Public Works studied their results on oiled roads, particularly where the materials for road work were similar to the Nebraska sand and gravel.

After considerable experimenting in the department's testing laboratory under Professor C. M. Duff, oiled gravel roads were built in Nebraska from August 28th, 1928, to October 10th, 1928, under the direction of State and Federal Engineers near Grand Island, Lincoln, Scottsbluff, Alliance and North Platte.

It is thought that this type of construction has great possibilities for providing an improved type of dustless surface, particularly where the soils are light and where there is not an excess of heavy traffic.

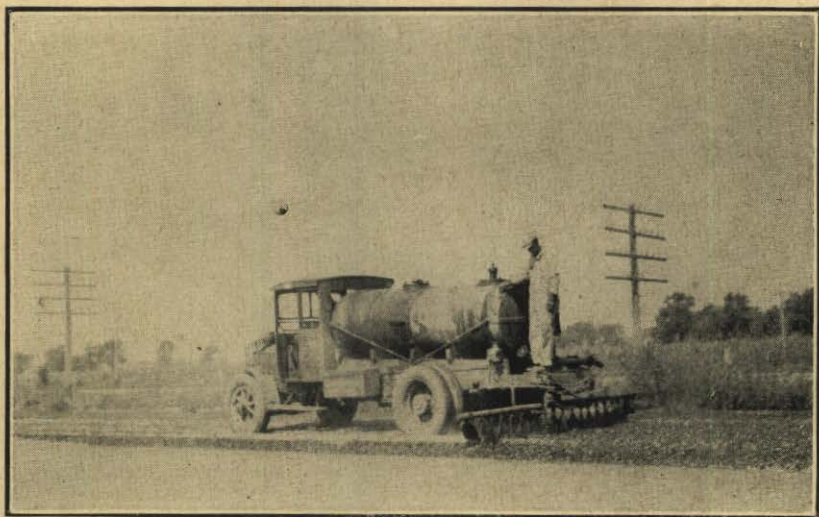
The following are descriptions of the five oiled projects:

**Project No. 303-A**

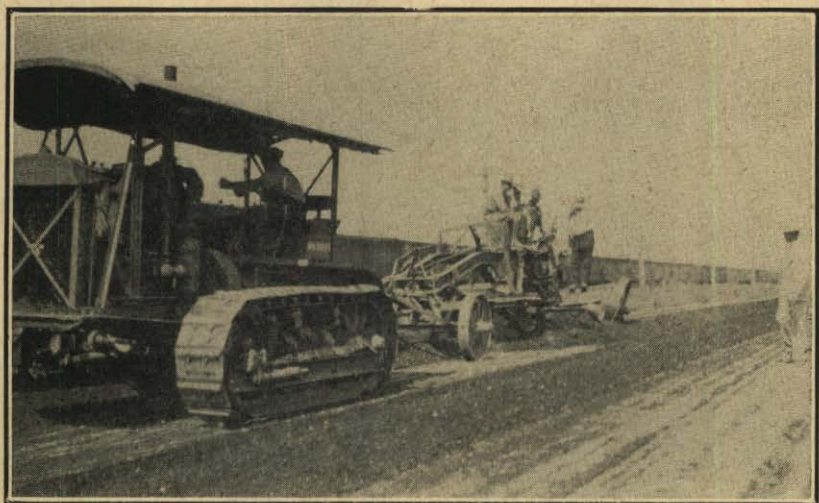
Eight miles east of Grand Island on the Lincoln Highway in Merrick County. Two carloads of oil were placed in the latter part of August, 1928, which were obtained from two different refiners, one car having a higher asphaltic content than the other. The oil mixed aggregate was placed directly on the sand, thus eliminating the clay surfacing which had been expected to be placed at this location.

Two types of aggregate were used. One type of 1 inch of crushed stone, 1¼ inches of gravel and 1¼ inches of scarified natural sub-grade. The other type was 2 inches of gravel and 1½ inches of scarified natural sub-grade material.

One and one-half gallons of oil per square yard was placed in three applications of ½ gallon. After the oil had been applied with a pressure distributor as shown by the accompanying picture, the aggregate and oil were mixed with a tractor and blade.



The aggregate was turned approximately 20 times before being spread and opened to traffic. The mixing is shown by the following picture.





The total cost of the section containing rock was 39.2¢ per square yard, and of the gravel section 31.7¢ per square yard.

After these two cars of oil were placed it was decided to put on one more car of heavy oil at the end. Two inches of gravel were added to the road, the base being scarified  $1\frac{1}{2}$  inches deep. A part of this section received a gallon and a quart of oil and the remainder received a gallon of oil per square yard. Later enough oil was added to bring it up to a gallon and a half per square yard when a deficiency of oil showed up.

#### Project No. 236-B

Another location was on the road east of the sugar factory on U. S. Highway No. 26, about three miles east of Scottsbluff. This road carries over 2,000 cars a day on a natural sand-gravel base. The surface was scarified and  $1\frac{1}{2}$  gallons of oil per square yard was applied to the natural material. The mixture was mixed with a tractor and blade together with a disk.

A thickness of about two inches was obtained on this road and although there has been very heavy, bad traffic, trucks with narrow steel tires as well as heavy trucking traffic over this road, reports show that at the present time it is satisfactory. The total cost was 25.1¢ per square yard. No mainenance has been necessary on the oiled portion since the oil was applied.

#### Project No. 277-C

An experimental section was constructed in the sand hill region



of the state about 30 miles east of Alliance, near Ellsworth, where a car of oil was applied directly to the sand base. The purpose was to see if the expensive clay surfacing and gravel surfacing on a portion of the gravel surfacing could be eliminated by oiling the sand. Three and one-half gallons of oil per square yard were applied on a freshly graded sand road as shown by the following picture. Note that it was necessary to pull the oil truck with a caterpillar tractor on account of the unstable condition of the sand.

Following the application of the oil and the disking and blading necessary to mix it, the road has been maintained and traffic has been turned onto it and after six weeks the reports are very favorable. If this use of oil on sand is successful, it will permit road construction, through the sand hills where clay is very difficult to obtain, at a greatly reduced cost. The cost was 60.2¢ per square yard.

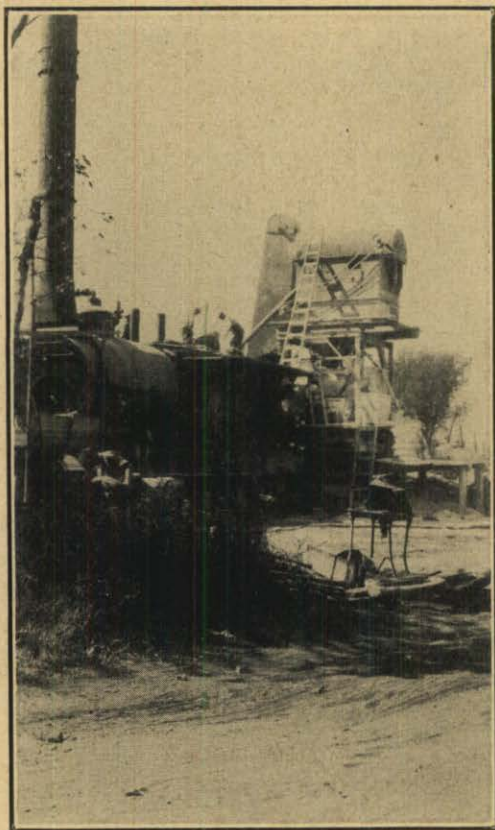
#### Project No. 155-A

Eight miles north of Lincoln on the Cornhusker Highway, one car of oil was used to a mixture of gravel and blow sand which were placed on top of a good gravel road. A road mixture was made of the gravel and blow sand and one gallon of oil per square yard was applied and mixing was done with a tractor and blade. This oiled gravel stretch has steadily improved since it has been placed and no maintenance has been necessary after the first three days after the oil was applied. The total cost ranged from 36.5¢ to 31.4¢ per square yard, depending upon the proportion of blow sand and gravel. A heavy snow storm the first part of November brought out an interesting condition in favor of the oiled gravel. The oiled gravel remained clean while the gravel on each end of the oil gravel had several inches of snow on it. This was due to the fact that the oiled gravel blew nearly clean of snow and where the snow did fall, it melted very quickly.

#### Project No. 298-A

Two miles north of North Platte.

A plant mixed section of oil gravel was placed north of North Platte on the Stapleton road, which was already a graveled road. All of the aggregate and oil was mixed in an asphalt plant at North Platte and hauled out on the road. The following picture shows the plant where the material was mixed.



All of the aggregate had to be trucked to the plant, mixed, and then hauled to the road as a mixed product. The material which was used contained an excess of coarse material which may require an addition of fine material in the spring, although up to the present time the surface has been satisfactory. The following picture shows a view of plant mixed material partially spread on the road.





The cost of this section per square yard ranges from 43.1¢ to 47.9¢, depending upon the proportion of aggregate. To date this road has been satisfactory.

In conclusion, it should be noted that the cost of the work on these short stretches of widely separated roads is considerably more than when the work is concentrated and longer stretches are used. All of the work done to date on oiled gravel roads has been on Federal-State Highways and the cost has been evenly divided between Federal and State funds. Bids were previously received, but on account of the uncertainty of the work, they were rejected and the work was done on a force account basis with the contractors who had submitted bids. The effect of the coming winter on the oiled gravel is awaited with interest as it is anticipated that if the oil gravel goes through the winter successfully, numerous other stretches will be used.

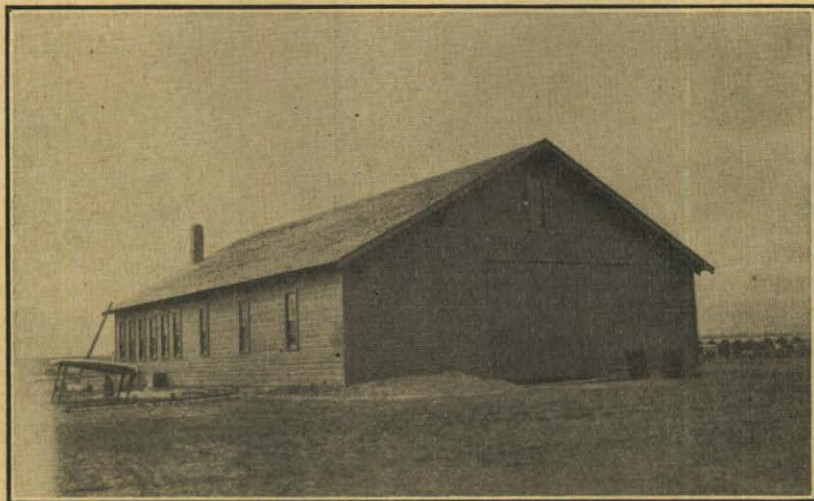
## REPORT OF SECRETARY

## DIVISION OF MAINTENANCE

Due to the increasing use of motor vehicles the maintenance of highways is constantly becoming a more difficult and important phase of highway work. Until a few years ago, it was only expected that maintenance operations would be carried on during eight or nine months of the year. But, due to the more universal use of the automobile and truck, the highway departments are called upon to give year around service. It has been the aim of this department to provide for the traveling public the best service possible and this can be accomplished only through the properly equipped maintenance organization.

Prior to 1926, the maintenance was handled through the counties. Beginning January 1st, 1926, maintenance was placed directly in charge of the Department of Public Works as a result of Legislative action of the 1925 session. Due to this action, which provided that maintenance and construction expenditures both be taken from the gasoline tax fund, the department has been able to use the necessary funds for maintenance as conditions require. For example, in the eastern part of the state especially, the fall of 1926 and winter and spring of 1927 were unusually wet and necessitated additional expenditures to keep the roads in proper condition on account of these extreme conditions, and it was necessary in many cases to resurface gravel patrols, which had the effect of making the cost of maintenance on these particular patrols appear excessive. The costs of these patrols, however, when taken over two or three year periods, were not high when the volume of traffic they carried is taken into consideration.

All maintenance operations are handled by the State Engineer through the Maintenance Engineer, who has general supervision over all maintenance activities in the state. Eight District Engineers, each being in charge of maintenance and construction in eleven or twelve counties, have direct charge of the operations in their respective counties, being assisted by Chief Patrolmen or Resident Engineers who are in charge of the detailed operations in from one to three counties, depending on the mileage. The entire mileage of the state system is divided into patrol sections ranging in length from twelve to twenty miles, each section being assigned to a patrolman whose duty is to keep his patrol in satisfactory condition. To each patrolman is assigned the proper equipment and small tools with which to do his work. Patrol sheds, typified by the following view, are being built as funds permit, to house equipment.



The specific duties of patrolmen are as follows:

1. To be on State Highway work at least 60 hours each week, except between November 15th and February 1st, when 54 hours are required.
2. To keep the road surface as smooth as possible.
3. To keep all drainage structures and ditches free from rubbish.
4. Maintain shoulders.
5. Keep surface depressions filled.
6. Cut weeds and brush from the right of way.
7. To make minor repairs to culverts and bridges.
8. Repair and keep in alignment all guard rail, snow fence, highway markers and warning signs.
9. Keep roads free from snow.
10. See that the patrol is properly marked to direct traffic in case of detours.
11. Keep equipment in good running order.
12. Give temporary relief to the public in case of an emergency.
13. Make out reports as required.

## REPORT OF SECRETARY

Each district office prepares and forwards payrolls for labor, and vouchers for materials, to the Lincoln office where they are checked, and forwarded for payment. The Lincoln office keeps records on each patrol and each piece of equipment.

All repair work necessary to keep equipment in repair is done by state forces, each district having a mechanic who is held responsible for this work. He makes regular inspections of all equipment and supervises such repair work as is required.

On the first of January, 1927, the following major equipment was owned by the Department:

230 Trucks  
 492 Graders and Maintainers  
 152 Tractors  
 201 One Man Maintainers  
 43 Weed Mowers  
 13 Snow Plows  
 92 Cars  
 2 Pressure Sand Blast and Paint Spray Outfits  
 1 Concrete Core Drill Machine on Velie Truck  
 900,000 Linear Feet Slat Snow Fence

During the year 1927, the following new equipment was purchased:

13 Trucks  
 67 Graders and Maintainers  
 16 Snow Plows  
 13 Tractors  
 2 Elevating Graders  
 2 Cars  
 43 One Man Maintainers  
 60 Mowers

384,350 Linear Feet Snow Fence, Slat Style

During 1928 the following equipment was purchased:

5 Tractors  
 2 Graders and Maintainers  
 25 One Man Maintainers  
 2 Block Scarifiers

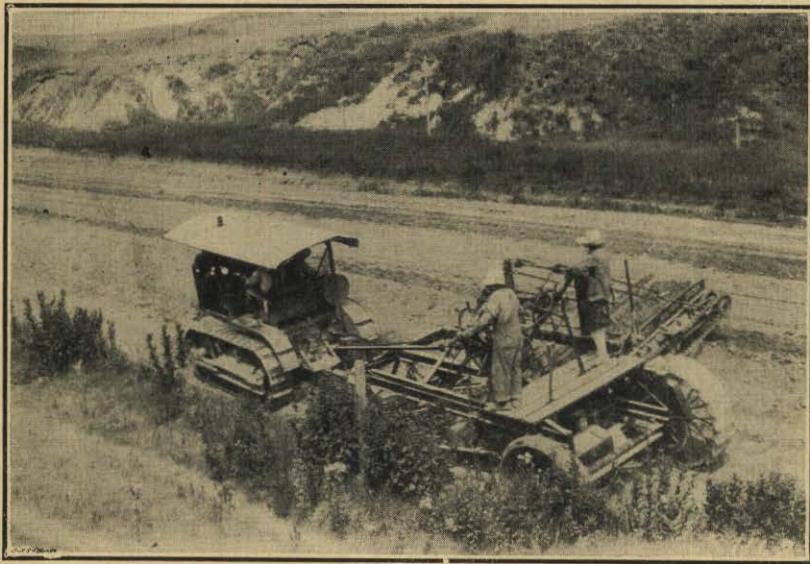
209,000 Linear Feet Slat Snow Fence.

The accompanying cuts show some of the types of major equipment used for maintenance work.

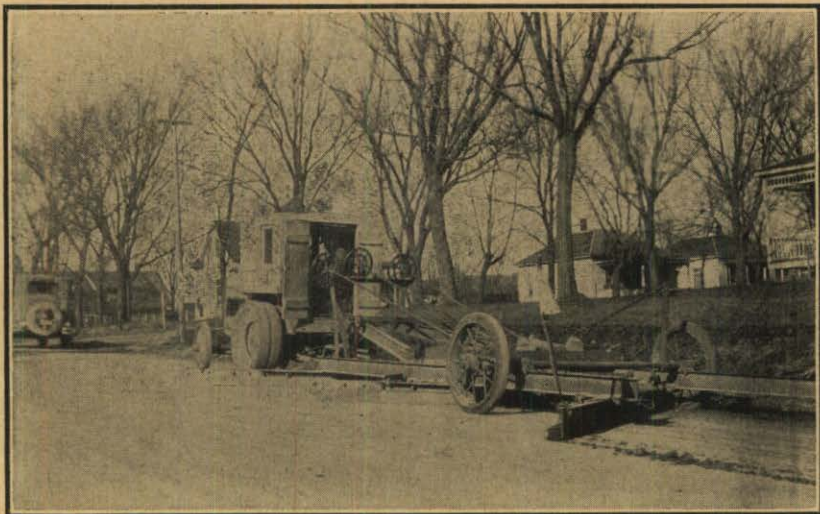




A "One Man" blade unit pulling drag behind, gives double maintenance with one trip.



Tractor and elevating grader used for reshaping highways.



**Tractor and Adams Maintainer operated by one man.  
Especially good for heavy traffic roads.**

The following is a list of the total equipment on hand on January 1st, 1929:

- 243 Trucks
- 561 Graders and Maintainers
- 197 Tractors
- 269 One Man Maintainers
- 103 Weed Mowers
- 2 Pressure Sand Blast and Paint Spray Outfits
- 94 Cars
- 2 Elevating Graders
- 29 Snow Plows
- 2 Block Scarifiers
- 1 Concrete Core Drill Machine on Velie Truck
- 1,493,350 Linear Feet Slat Type Snow Fence.

Of this list a number of the units listed, especially trucks, are of old type and practically worthless, many being scrapped and used as repairs for other units.

During the biennium additions and improvements have been made to the highway markings, including principally the erection of stop signs at all approaching roads in the state as well as stop signs at about 60 hazardous grade crossings and speed limit signs at all remaining railroad crossings. The stop signs and speed limit signs erected at railroad crossings are paid for by the railroad companies involved.



**Sign erected at about 60 Important Railroad Grade Crossings.**

Stream signs have been placed giving the names of all streams crossed by the highways as well as names of some more important points of interest from a historical standpoint. Plans are now under consideration for a trial installation of reflecting signs which add much to the safety of the highway for night traffic.

Considerable attention has been given to the prevention and removal of snow in an effort to maintain constant service. The highways on which constant traffic is more imperative have been fenced to practically insure this. This method is considered the most economical when the cost of snow removal and damage to service is considered. Snow removing equipment such as snow plows, tractors and trucks are kept in readiness to take care of the entire system as rapidly and economically as possible. In some cases where other methods have failed or where equipment has not been available, it has been necessary to resort to shoveling, which proves to be the most expensive maintenance.

The following is a tabulation showing the average cost of maintenance during 1927 for the various types of surface:

### 1927 MAINTENANCE COSTS FOR VARIOUS TYPES OF SURFACE

Type		Maintenance Cost	Average Cost per Mile
Patrol			
Earth .....	1974.09 Miles	\$621,209.71	306.76
Gravel .....	1582.82 Miles	632,407.34	395.59
Mixed .....	2255.95 Miles	837,691.01	385.53
Sand Clay .....	121.50 Miles	24,286.28	247.17
Sand .....	160.00 Miles	17,129.79	124.36
Pavement .....	104.22 Miles	37,348.04	358.36

The following chart shows the number of miles maintained and total cost of maintenance by districts in 1926 and 1927:

—1926—			—1927—	
Dist.	Miles	Total Maint. Costs	Miles Maintained	Total Maint. Costs
1.	844.92	\$367,825.70	849.73	\$349,987.16
2.	670.66	236,507.28	643.06	300,371.41
3.	739.00	216,924.62	744.05	345,460.75
4.	697.50	222,242.50	735.50	289,363.83
5.	639.05	180,563.10	747.20	218,926.49
6.	853.00	213,141.09	864.00	263,848.94
7.	829.50	175,533.94	838.00	204,648.59
8.	882.60	168,018.45	780.16	233,445.22
<hr/>			<hr/>	
6156.23 Miles			6201.70 Miles	
Additional expenditures not pro-rated to Districts including office supplies, equipment, clerical work and miscellaneous expenses.....			Additional expenditures not pro-rated to Districts including office supplies, equipment, clerical work, signs and miscellaneous expenses..	
37,120.40			50,004.78	
<hr/>			<hr/>	
\$1,817,877.08			\$2,256,057.17	

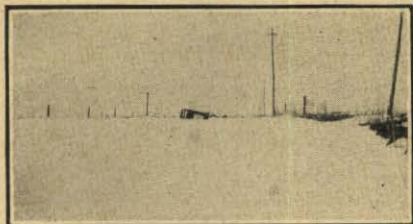




Above is a view of the State Highway in right hand side of picture, protected by snow fence, which is shown on left hand side of picture.

View on the left is a State Highway which required plowing and shovelling.

View below is a road which had not been protected by snow fence. Note car in the drift.



**DIVISION OF DESIGN, MAPS AND PLANS**

The duties assigned to this Division include the preparation of plans and estimates for all State and Federal Aid construction work and standard plans, specifications and estimates of the cost of construction of County highway bridges, providing maps, charts, and the many blue-prints of plans used in the various phases of the work of this Department, keeping records of the progress of construction work on all projects on the State Highway System, handling supplies for all office and field engineers, as well as many other routine functions of a minor nature.

The average number of full-time employees in this Division during the first twenty-two months of this biennium was 42, the greatest number being 55, in the month of September, 1928, and the least being 24, in the month of January, 1928. When conditions warrant, part-time employment is offered to men who have been employed previously, either in the field or in this office, and usually to engineering students attending the University of Nebraska. The greatest number of men thus employed at one time during the twenty-two months mentioned was 19, in the month of August, 1927. During the months of July and August, 1928, no men were employed on a part-time basis. The average number of these employees throughout this period was 11.

The Drafting Room, the principal working quarters of this Division, is especially well suited for the work being performed. It is a room approximately 100 feet in length by 30 feet in width and has large windows throughout the entire length of its north side. These windows open upon the southeast quadrangle of the new State Capitol, and this room contains a sufficient number of desks to accommodate 62 men. Three other smaller rooms are for use as an office, blue-print room and cloak-room and two fire-proof vaults are used for the storage of records and supplies.

The greatest portion of the work performed by this Division is that involved in preparing the plans and estimates for State and Federal Aid construction work. This work has its beginning in the designation of a road as a portion of the State Highway System. The next step is the selection of the route, between the extremities or control points, which is best adapted for use when directness, cost of improvement and maintenance, and service to the greatest possible number of people, are considered. After the route has been selected, a survey party, usually consisting of an engineer, a rodman and a chainman, working directly under the supervision of the District Engineer in whose territory the road is located, makes a preliminary survey of that route. The notes taken by this survey party are submitted to the Lincoln office where they are used in plotting the plans which show the principal topographic features of the road as they exist at the time of making this survey. Blue-print copies of these plans are made and submitted to the Con-

struction and Maintenance Engineer. He, in company with the District Engineer and, in the case of roads on the Federal Aid Highway System, a representative of the U. S. Bureau of Public Roads, makes another inspection of the road. In a few instances, the engineering draftsman who will make the grade revisions on the project is also a member of the party making this inspection, as is the Bridge Engineer, or one of his assistants, if the construction of large or unusual bridges will be involved. This inspection includes a very careful study of the features which will affect the plans for the finished work. Recommendations governing grades, depths of cuts and heights of fills, the sizes, types and locations of drainage structures, suggested changes in the channels of streams, or rivers, right-of-way which must be acquired, and other data of comparable nature, are indicated on the blue prints. These blue-prints are then returned to the Lincoln office and the plans for the improvement are prepared.

If the project in question is located on the Federal Aid Highway System, a formal application is made requesting participation by the United States Government in the payment for the work to be performed. This request is made through the Omaha office of the U. S. Bureau of Public Roads and is accompanied by blue-print copies of the plans, all computations and a detail estimate of the cost of the proposed work. If this request is approved, a project agreement is entered into between the United States Government and this Department.

The next steps after the plans, specifications and detail estimate have been approved by the United States Bureau of Public Roads, if the expenditure of Federal Aid funds is involved, or after the completion of the plans if the expenditure of such funds is not involved, are those of advertising for bids and awarding contracts. The Department of Public Works has endeavored to reduce the number of lettings held by receiving as many bids at one time as is considered feasible. The Division of Design, Maps and Plans plays an important part at the time bids are received. This part consists of tabulating and comparing bids. An idea of the magnitude of this work may be gained from the fact that at one letting which was held April 27th, 28th and 29th, 1927, 115 bidders submitted proposals for work on 142 different projects and contracts were awarded for 343.9 miles of grading work with the construction of incidental culverts and guard rail, for 848.9 miles of gravel surfacing and for the construction of 55 bridges. The amounts of the contracts awarded at that time totaled more than \$3,488,000. A certified check in the amount of 5% of the bid is required with each proposal and it is a matter of interest to note that the total amount of such checks filed at that letting was in excess of \$1,000,000.

After the contracts have been awarded, construction work is carried on under the direct supervision of a Project Engineer, or an Inspector, who works under the direction of the District Engineer in charge. During

the course of active construction work on the various projects, the Division of Design, Maps and Plans furnishes supplies, blue-prints, checks requests for approval of changes in the plans and keeps a record of the progress made in the construction work.

The survey party in charge of construction work makes all measurements necessary to prepare computations for all the construction work performed and takes all notes which are required to complete plans of the project as built. In the event that the duties connected with the usual engineering supervision of construction activities are of such nature that the survey party has time to prepare the computations and plans for the finished work, these are prepared in the field and submitted to the Lincoln office to be checked. However, it usually occurs that the field survey party is able only to complete the computations, and nearly all of the plans are made in this office. Almost all of the estimates for completed work, upon which payment to the contractor is based, are made in the office of this Division and all of these estimates are checked here.

Upon receipt of notification of acceptance, by the U. S. Bureau of Public Roads, of a completed project on the Federal Aid Highway System, this Division requests the State Department of Finance to prepare a voucher for the amount due from the Federal Government for the work performed. This voucher is checked in this office and is submitted to the U. S. Bureau of Public Roads with all necessary plans, computations and explanations of all unusual features.

The statutes of the State of Nebraska require that the Secretary of the Department of Public Works shall prepare plans, specifications and estimates of the cost of construction of county highway bridges, and that he shall supply prints of plans and copies of the specifications to the counties, free of charge to them. The greater portion of the detail work involved in the compliance with these laws, is performed by this Division. Revisions of the standard plans and the specifications for these bridges, which are made in an endeavor to keep these as nearly up to date as is possible, require that a considerable amount of time be spent on this work. Suggested solutions of highway bridge construction problems are also given county officials.

During the winter months, when construction work is quite inactive, many of the field engineers are transferred to the Lincoln office and are assigned duties in this Division. These duties include the completion of all records, reports, computations and plans of the work performed under their supervision during the construction season, and after this work is finished they assist in the preparation of plans for future construction work, or in the other general office activities.

The principal difficulty experienced in conducting the affairs of this Division is that of so controlling the work that it is completed as

promptly as possible. As this Division receives as a part of its personnel, field engineers at the close of the construction season, so is it called upon to supply men at the time construction work is resumed. It sometimes happens that such demands are made at times when the office work is quite pressing, thereby imposing additional burdens upon the men remaining in the office, since it is difficult to replace those who leave in this manner, due to the requirements for special training and to the fact that promises of employment for but a short period can be given. At times during this biennium the men thus receiving the added burdens have manifested an admirable spirit of loyalty, through their returning to work from one to four hours at night without additional payment for this work and, in many instances, without assurance that credit could be given them for this overtime.

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### BRIDGE DESIGN AND CONSTRUCTION

A satisfactory bridge design depends on a great many factors in addition to the calculation of stresses and proportioning the size of wood, steel or concrete members to suit. A completed design is the result of the collaboration of our Field Engineers, the Bridge Engineer with his force of designers, checkers and draftsmen, together with the consultation advice from District Engineer, Construction Engineer, County Commissioners, Federal Officials and all others interested in the project.

The object of a bridge design is to provide a comfortable, economic crossing of a stream by means of an open structure, which must perform the dual role of accommodating the waters flowing beneath it and the traffic to be carried safely across it. The bridge, being subjected to all the forces of nature combined with the dynamic forces of heavy highway traffic requires a most careful study before a final design for same can be accomplished. Therefore, a preliminary inspection of the proposed location is made by the State Engineer or his representatives, together with such other officials as may be concerned in the work. Our field engineers then determine the amount of drainage area, the profile, contours and borings, together with such historical data concerning that particular location as to flood and ice conditions, rainfall, and stream bed changes.

The Bridge Department assembles all the above data and collects additional information of geological formations, as well as data of the chemical action of the soil and water in that region. They also study tables of traffic counts, character of loads, speeds, and their future anticipated changes. From these data an economical type of structure is decided upon and the process of detailed design is begun. This process consists of calculating the amounts of all external forces expected to act upon the structure and the determination of stresses in each in-

dividual member resulting therefrom. Then each part is proportioned to its stress in accordance with the Nebraska Standard Specifications. The whole structure is then assembled pictorially on paper with all necessary sizes of members shown by notes and dimensions. From these drawings all quantities are tabulated and placed thereon. Owing to the immense number of calculations and measures involved and in order to eliminate the human element of errors as much as possible, all of this work is then turned over to a checker who repeats the above process independently.

Following the advertising and award of contracts, when the contractor is ready to proceed with construction, the field engineer stakes out the exact location of the work and provides all other field engineering service incident to the work. The engineer is to provide all stakes and levels as required by the contractor, and to inspect all material coming on the job. He sends samples of steel, cement and other materials intended for a permanent part of the structure to our Testing Department for a test and check with our specifications. He also inspects every operation involved in the entire construction and sees that every unit is installed according to plans and specifications. He also makes the necessary monthly estimates of work done.

Upon completion of the contract, a final inspection is made by officials from the Department of Public Works and such other officials as were concerned in the work, followed by acceptance and final payment.

**SUBSTANCE OF LAW GOVERNING STATE AID BRIDGES**

(Road Laws 1927-1928, Article III, Sec. 8357, Page 117)

The State Aid Bridge Law provides a means for the construction or purchase of bridges over streams one hundred or more feet in width, the cost being shared by the State and County or Counties in which the structure is located.

A list of applications for State Aid Bridges is kept on file in the office of the State Engineer. The number of bridges to be built during any biennium is determined by the amount of funds available in the State Aid Bridge Fund together with County Funds available for this purpose. The order of selecting bridges to be built is determined generally by priority of application, and availability of County funds.

Applications by the County Board or Boards should be made in writing to the Department of Public Works. Applications should contain descriptions of the proposed bridge with preliminary estimate of the cost of purchase of same, together with a certified copy of a resolution of the said Board or Boards pledging such County or Counties to furnish one-half of the cost of construction or purchase of such bridge.

There is a provision (by Statute) whereby any County Board is authorized to make a special levy to meet its share of the cost of such bridge provided the regular levy for bridges does not provide sufficient funds for this construction together with all regular construction.

It is also provided that in lieu of the above mentioned special levy, the bridge may be operated as a toll bridge under rules and regulations prescribed by the State Department of Public Works until the revenue derived thereby shall be equal to one-half of the cost of construction or purchase.

For further details and descriptions of procedure see Compiled Statutes for 1922, Article III, Sections 8356 to 8363 and amendments made by the 1923 Legislature to Section 8357.

Following are two self-explanatory charts, the first giving State Aid Bridge appropriations, and the second, the applications for State Aid Bridges on file with the Department of Public Works.

## STATE AID BRIDGE APPROPRIATIONS

1911-12.....	\$ 175,808.38
1913-14.....	166,813.86
1915-16.....	150,000.00
1917-18.....	208,127.10
1919-20.....	218,717.63
1921-22.....	200,000.00
1923-24.....	200,000.00
1925-26.....	200,000.00
1927-28.....	200,000.00
	\$1,719,466.97

**APPLICATIONS FOR STATE AID BRIDGES  
REMAINING ON FILE  
November 30, 1928**

No.	County	Bridge	Stream	Date of Application
1.	Merrick.....	Prairie Island.....	Platte .....	3- 7-1913
2.	Dawson.....	Willow Island.....	Platte .....	2-11-1914
3.	Hitchcock.....	Trenton.....	Republican .....	12-21-1915
4.	Keya Paha.....	Meadville.....	Niobrara .....	1-11-1918
5.	Platte.....	Columbus.....	Loup .....	9-26-1918
6.	Nance-Merrick.....	Palmer.....	Loup .....	11-20-1918
7.	Polk.....	Clarks.....	Platte .....	11-20-1919
8.	Custer.....	Sargent.....	Middle Loup .....	12-20-1923
9.	Red Willow.....	McCook.....	Republican .....	2- 4-1920
10.	Antelope-Madison.....	Tilden.....	Elkhorn .....	5-28-1920
11.	Sherman.....	Austin.....	Middle Loup .....	1-23-1920
12.	Boyd-Holt.....	Grand Rapids .....	Niobrara .....	12-18-1925
13.	Keith.....	Paxton.....	South Platte .....	2- 7-1928
14.	Valley.....	Ord.....	North Loup .....	7-10-1928
15.	Keith.....	Roscoe.....	Platte .....	7-31-1928
16.	Buffalo.....	Odessa.....	Platte .....	10-16-1928

The following descriptions of 11 of the 119 bridges built during the last two years include those of State Aid bridges near Ewing, Duncan, Lisco, Hershey, Haughen (North of Newport), Valley; State-Federal Aid bridge work near Oakdale, Grand Island and Scotia; and State bridges on the Milford Soldiers' and Sailors' Home and Gretna Fish Hatcheries roads. Views are also given showing a typical box culvert installation and that of an 84-inch diameter corrugated metal pipe, both replacing worn out wood structures.



**EWING STATE AID BRIDGE**

This bridge spans the Elkhorn River south of Ewing, Nebraska, in Holt county. It consists of one 100-foot Pony Truss central span and two 50-foot Pony Truss approach spans. The roadway is 16 feet clear and consists of a concrete floor on steel stringers. The piers are of concrete with full web and massive ice breakers, all supported on wood piles. The abutments are of steel piles encased in concrete.

The contract for this structure complete in place was awarded to the Western Bridge and Construction Company of Omaha on August 31, 1927, for the sum of \$22,494.00.

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**DUNCAN STATE AID BRIDGE**

This bridge spans the Platte River south of Duncan and consists of eighteen 50-foot spans of the Transverse Joist Girder type with 18 feet of clear roadway. The floor is made up of treated timber with metal traffic treads. The substructure consists of steel piles encased in concrete.

Contract for the bridge proper was awarded to the Allied Contractors, Inc., of Omaha on September 1, 1927, for the sum of \$60,900.00.

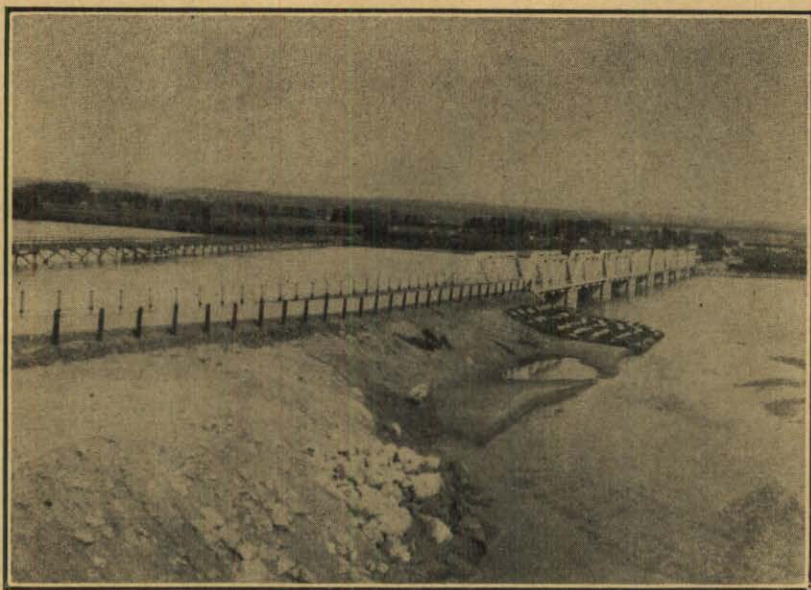
Contracts for the approach fills, surfacing, and protection work were awarded to Thos. Gass of Kearney, Nebraska, for the sum of \$7,639.57.

**LISCO STATE AID BRIDGE**

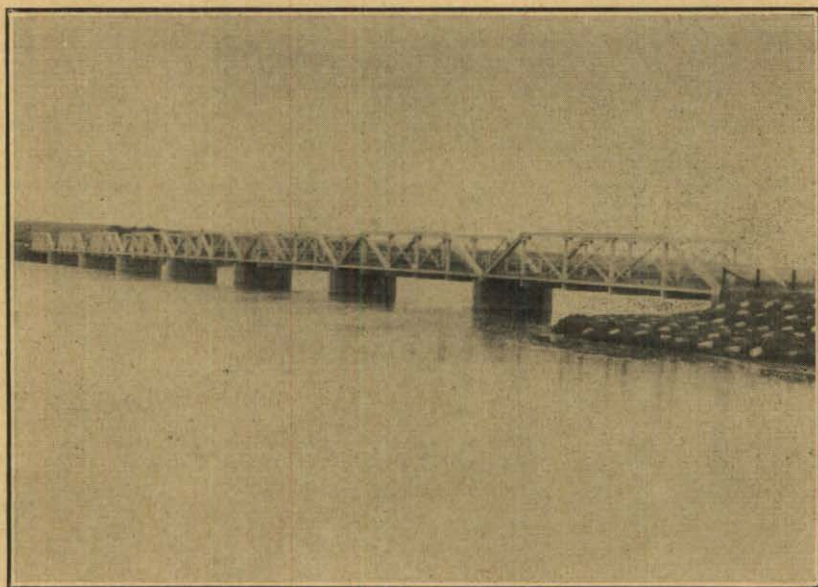
This bridge spans the North Platte River at a point south of Lisco and consists of eight 80-foot Pony Trusses with concrete floor and 16-foot roadway. The substructure is made up of steel piles encased in concrete.

The contract for this work was awarded to the Western Bridge and Construction Company of Omaha, Nebraska, on October 26, 1927.

The bridge proper was let for the sum of \$47,600.00 and the approach fills, surfacing and protection work for the sum of \$17,150.00.



East Elevation of Lisco Bridge.



West Elevation of Lisco State Aid Bridge  
Project S. A. 852-A Over the North Platte River.

**HERSHEY STATE AID BRIDGE**

This bridge crosses two channels of the North Platte River. The south bridge consists of nine 50-foot girder spans and the north bridge consists of five 50-foot girder spans.

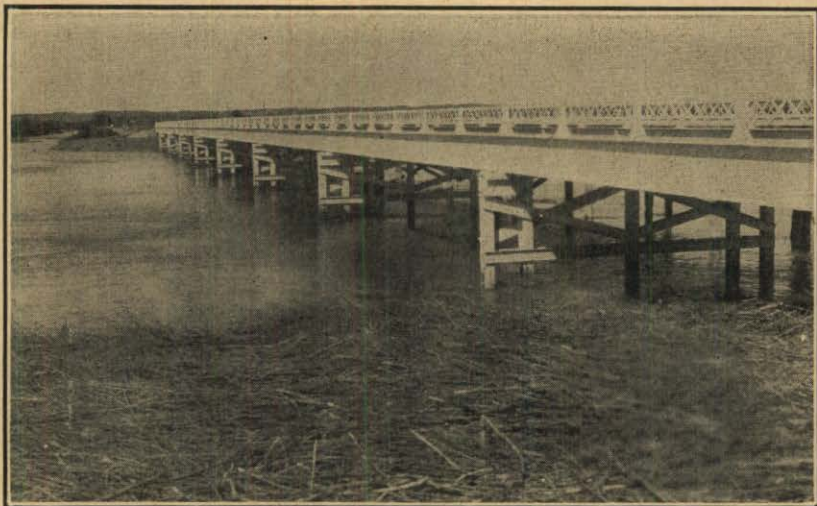
These spans are of the Transverse Joist Girder type with wood floors of black gum with a 16-foot roadway. The abutments for the south channel are made up of 50-foot 8-inch H steel piles encased in concrete. The north channel abutments are of the same type with steel piles 55 feet long.

All piers consist of bare steel piles with steel caps. All bents are securely braced from cap to water line with cross bracing of steel channels.

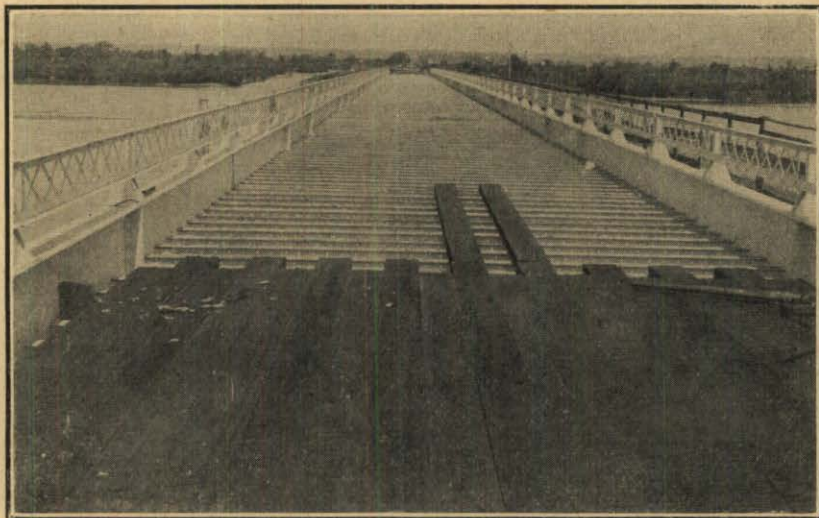
Steel piles in the south channel bents are 50 feet long and the piles in the north channel bents are 55 feet long.

Contract for the bridge proper was awarded to the General Construction Company of Omaha, Nebraska, on October 10, 1927, for the sum of \$42,277.96.

Contracts for the approach fills, surfacing and protection work were awarded to David Scott & Son on October 10, 1927, for the sum of \$13,408.00.



**Hershey State Aid Bridge,  
South Channel of North Platte River.**



**Hershey Bridge, Showing Black Gum Flooring.  
State Aid Project No. 858.**

### VALLEY BRIDGE

The Valley Bridge spans the Platte River and joins Douglas and Saunders counties. It is located about three miles west of Valley, Nebraska. The structure consists of eight 150-foot, High Truss Steel Spans separated in the center by an island which is about 300 feet across. There were 1,261 feet of old timber trestle over the low land on the east bank connecting to the east end of the steel spans. The eight 150-foot Steel Truss Spans were left in place and all but 234 feet of this trestle work was torn out and replaced with sand fill, clay and gravel surface. The grade of road over the island was raised and surfaced and all four approach spans were rebuilt. This alteration provides a bridged waterway of 908.5 feet east of the island and 713.9 feet west of the island or 1,622.4 feet in all.

The contract for this work was awarded to the Central Bridge Company of Wahoo, Nebraska, April 12, 1928. The contract price for bridge work was \$5,678.29 and for the fills, surfacing and guard rail, \$5,780.40, or a total of \$11,458.69.

A subsequent contract was made to straighten the road from the west end of this bridge which involved the relocation of the Otoe Creek bridge.

### OAKDALE FEDERAL AID BRIDGE

This bridge spans the Elkhorn River a short distance northwest of Oakdale. An old wooden bridge was washed out bodily in the spring of 1927. A temporary wood bridge was immediately constructed to maintain traffic, until a permanent bridge could be designed and let for contract.

The present permanent bridge consisting of three 100-foot Pony Trusses and 20-foot roadway with concrete floor, piers and abutments on steel piles was contracted with Federal participation on December 5, 1927. The contract was awarded to the Western Bridge and Construction Company of Omaha, Nebraska, for the sum of \$31,515.75.

### THE HAUGEN STATE AID BRIDGE

This bridge spans the Niobrara River between Rock and Keya Paha counties, north of Newport, Nebraska. It was difficult to find a good location for a crossing of the Niobrara in this region owing to the high bluffs along the south side of the river. The location selected had the advantage of a natural canyon leading down to the river which was the means of saving considerable excavation for the south approach.

The bridge proper consists of seven 50-foot girders of the Transverse Joist type with 16-foot roadway. The floor is of treated timber with metal traffic treads. The substructures are made up of steel piles encased in concrete.

Contracts for this work were awarded December 1st, 1927. The General Construction Company of Omaha was awarded contracts for the bridge proper and the willow mattress protection work for the sums of \$25,820.00 and \$7,357.50, respectively.

The contract for the approach fills and surfacing and the south roadway through the canyon was awarded to E. W. Kolterman for the sum of \$11,354.90.

### MILFORD SOLDIERS' HOME BRIDGE

This bridge is located on the road south and east of Milford between the Soldiers' Home and cemetery and is about three-quarters of a mile distant from State Highway Number 38.

The structure consists of one 60-foot Transverse Joist Girder Span with 20-foot roadway and 15-ton capacity. It has wood floor with metal traffic treads and wood backing planks. The superstructure is supported on 8-inch H steel piles which were set in holes six feet or more deep in the rock stratum underlying the stream bed. Piles were anchored in these holes by grouting with concrete.

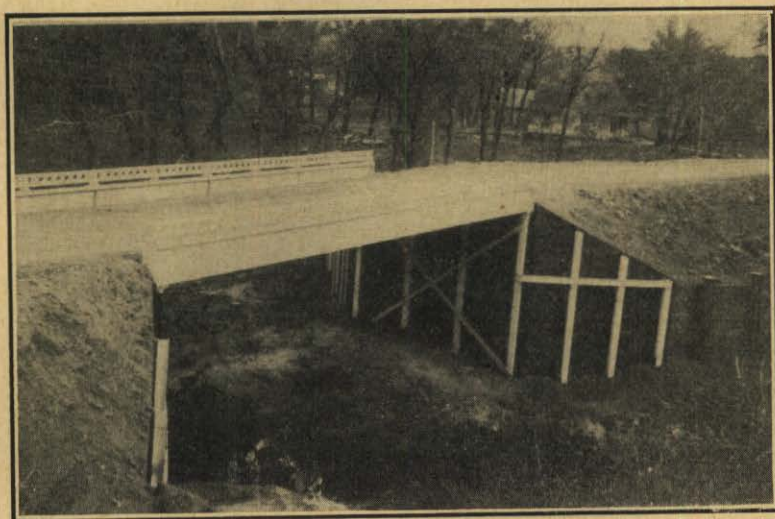
The State paid the sum of \$3,488.00 towards the total cost of this work and Seward County paid the remainder. State funds were taken from a reappropriation made by the 1927 Legislature for the improvement of roads leading to and serving State Institutions.

The contract for this project was awarded to the Diamond Engineering Company of Grand Island, Nebraska, on October 1, 1927, for the sum of \$5,348.00.





**Haugen State Aid Bridge.**  
**S. A. Project No. 859, Niobrara River.**



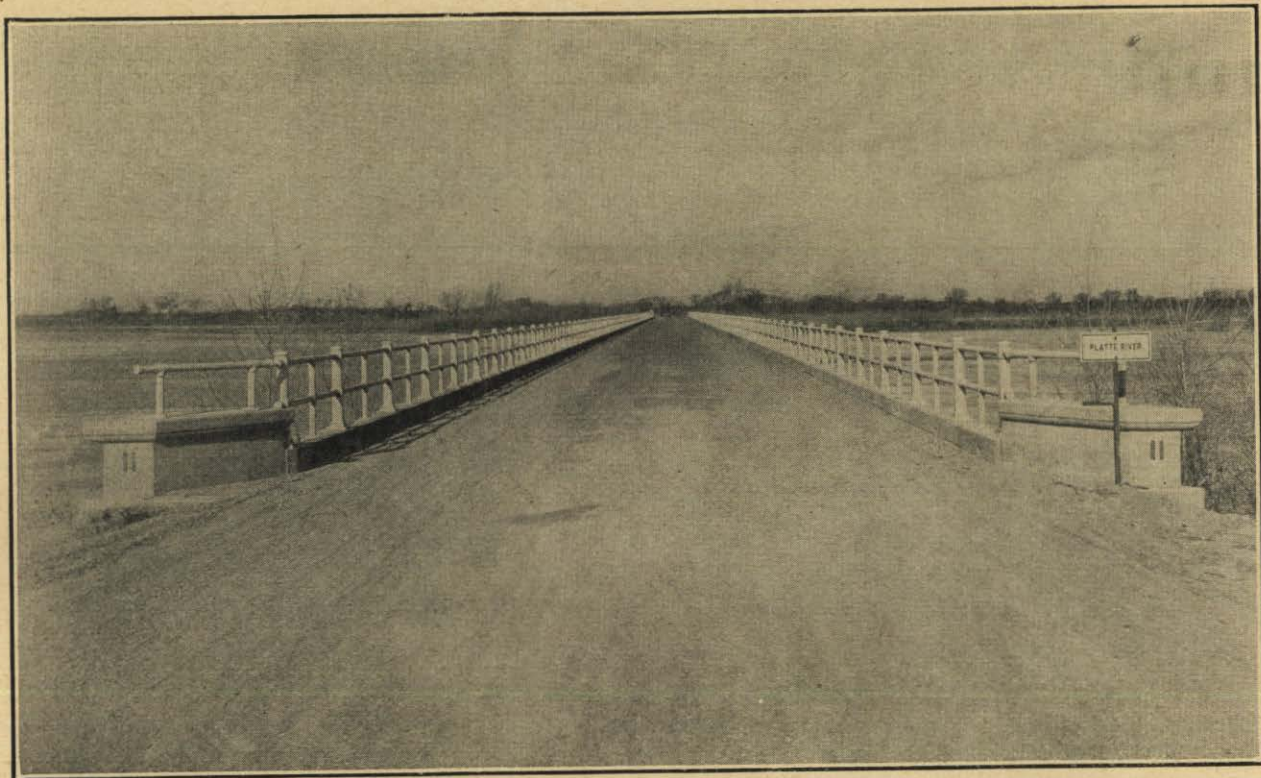
**Milford-Soldiers' Home Bridge.**  
**Project No. 605-A.**

**GRAND ISLAND BRIDGE WIDENING**

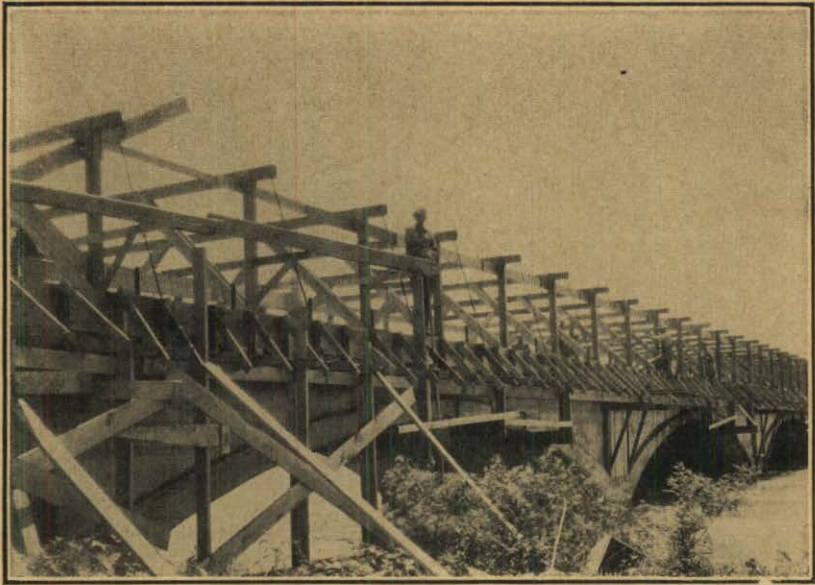
This bridge, located on Highway No. 11, south and east of Grand Island, consists of sixteen 50-foot concrete arches. The original bridge was spandrel filled with a clay and gravel surface and 16-foot roadway. It was impossible to keep this bridge properly drained, resulting in very bad mud holes after every severe rain. For this reason and on account of heavy traffic, it was deemed necessary to resurface and widen the roadway to 20 feet clear. This was accomplished by removing the concrete rails, filling up the holes to a smooth even surface and covering with a reinforced concrete slab which overhung the spandrel walls of arches sufficiently to provide 20 feet of clear roadway. A bituminous concrete surface was placed over this slab. Handrails of 2-inch iron pipe supported by alternate pipe and cast iron posts were designed, giving the bridge a handsome appearance.

The contract for this work was awarded to the Martin-Day Company of Lincoln, Nebraska, on November 18, 1927, for the sum of \$18,057.10.





Grand Island Bridge Widening.  
Project No. 228-C, Over the Platte River.



Project No. 228-C.  
Views of Construction—Grand Island Bridge Widening  
Over the Platte River.

**SCOTIA FEDERAL AID BRIDGE**

For many years highway travel through Scotia, Nebraska, Greeley County, was compelled to cross the North Loup River south of Scotia over the Union Pacific Railway bridge, the county paying an annual toll to the railway company.

The new highway bridge is located on an east and west section line about one mile west of Scotia, providing a direct route west of Scotia.

The cost of the new structure is shared equally by the Department of Public Works, the Federal Government, and Greeley County.

The new bridge consists of six 50-foot steel girder spans of the Transverse Joist type, with concrete floors, steel pile piers and abutments encased in concrete. It has a 20-foot clear roadway and has a capacity capable of bearing safely a typical 20-ton truck or equivalent load.

Contracts for this construction were awarded December 7, 1927. The Diamond Engineering Company of Grand Island, Nebraska, contracted the bridge proper for the sum of \$25,950.95. S. L. Smith of Henry, Nebraska, contracted the approach fills, surfacing and protection work for the sum of \$15,099.80. Thus, the contract price for the entire work was \$41,050.75.

**GRETNA FISH HATCHERIES BRIDGE**

This bridge is located south of Gretna on the road to the Fish Hatcheries and is about six miles south of State Highway No. 38.

The structure consists of one 31-foot and two 21-foot Creosoted Timber Trestle Spans with 20-foot roadway.

The wood piles were set in holes about six feet deep in the rock stratum underlying the stream bed. Piles were anchored in these holes by grouting with concrete.

The entire cost of this construction was paid from State funds taken from the appropriation providing for improvement of roads leading to and serving State Institutions.

The contract for this project was awarded to the Monarch Engineering Company on April 25, 1928, for the sum of \$3,271.49. A subsequent contract with the same firm was made for the construction of the holes for anchoring piling for the lump sum of \$350.00. Thus the entire contract amounted to \$3,621.49.

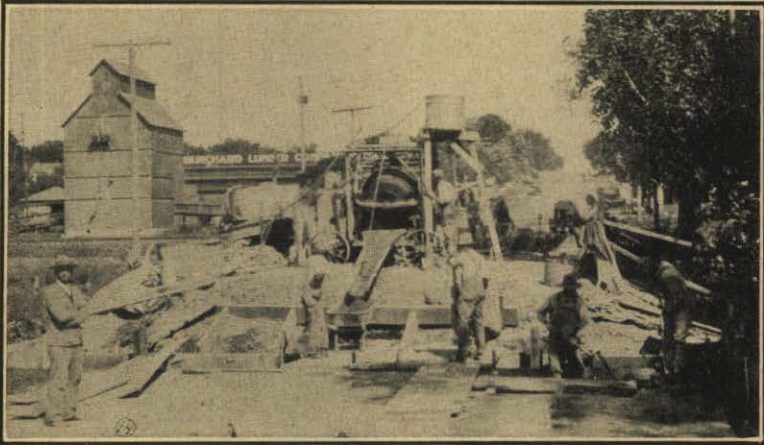




**Quadruple 12x8x32 Foot Concrete Culvert.  
Project No. 205-D.**

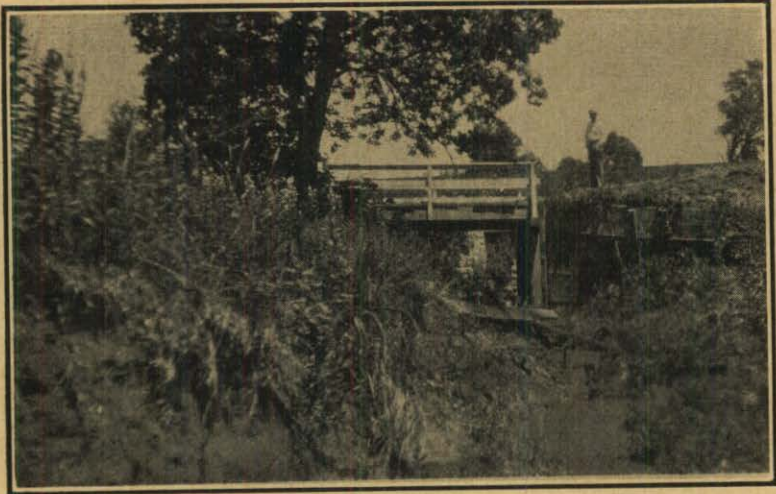


**Railroad Undercrossing Near Pawnee City  
Project No. 97-B.**

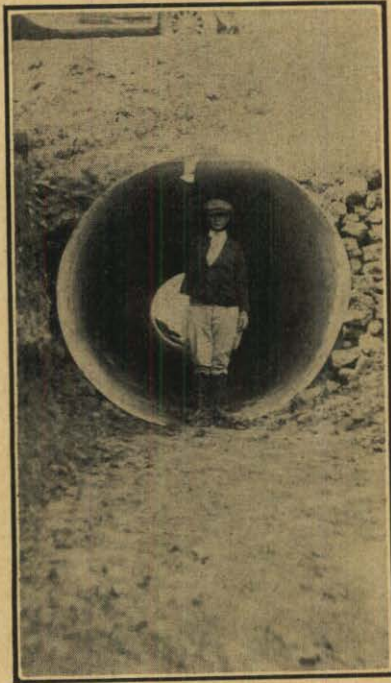


Three steps in replacement of timber bridge. Project No. 97-C.



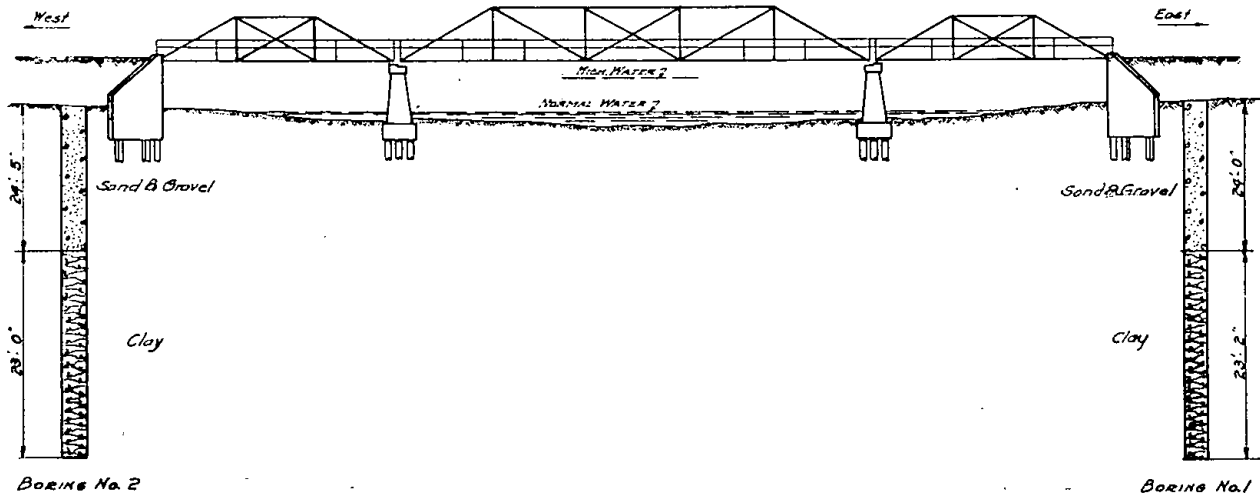


**Before Replacement.**



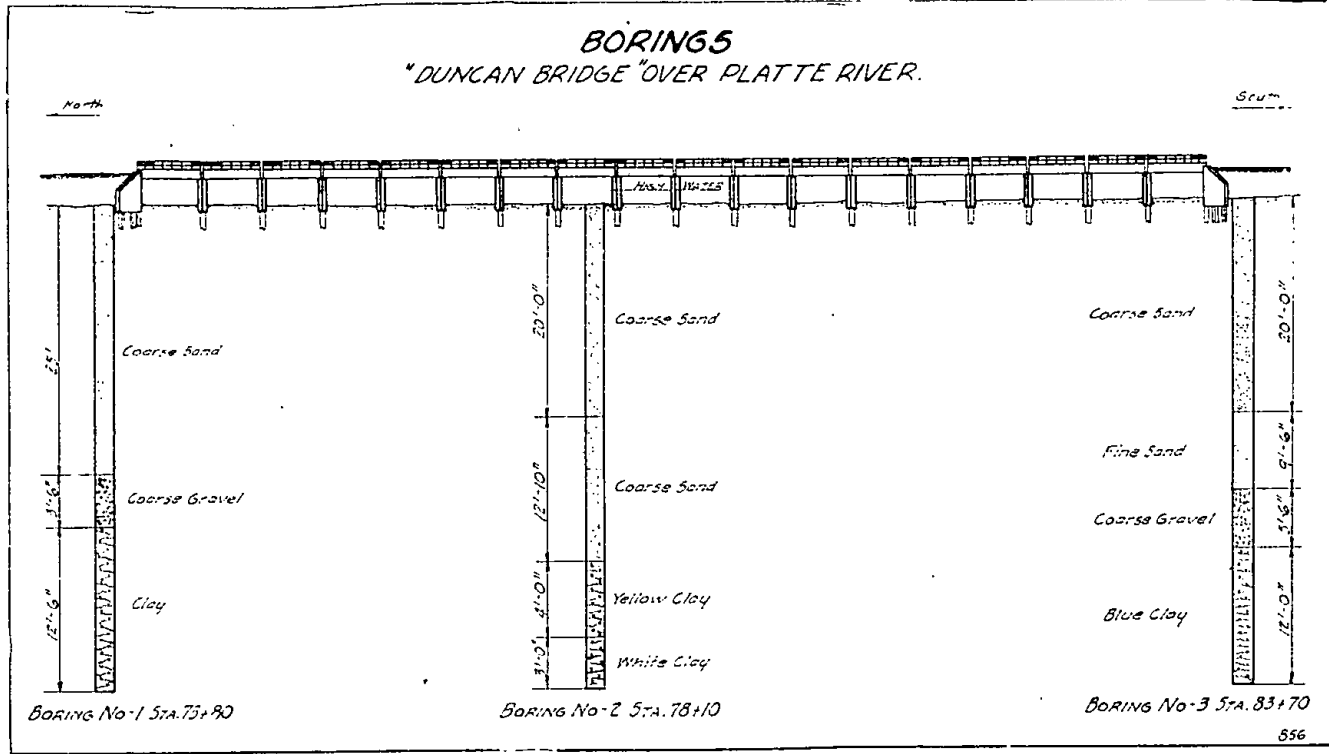
**Project No. 607-B.  
An 84-foot Corrugated Pipe Complete.**

**BORINGS**  
**"EWING BRIDGE" OVER ELKHORN RIVER**



DEPARTMENT OF PUBLIC WORKS

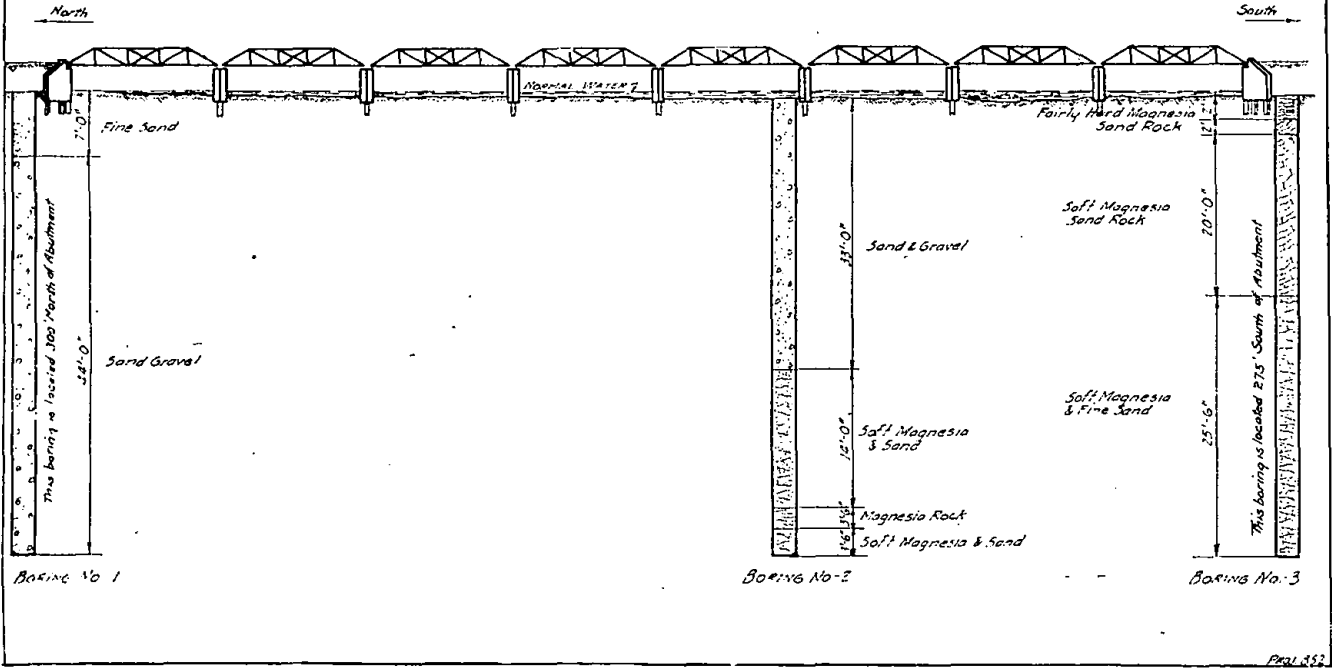
Proj. # 857



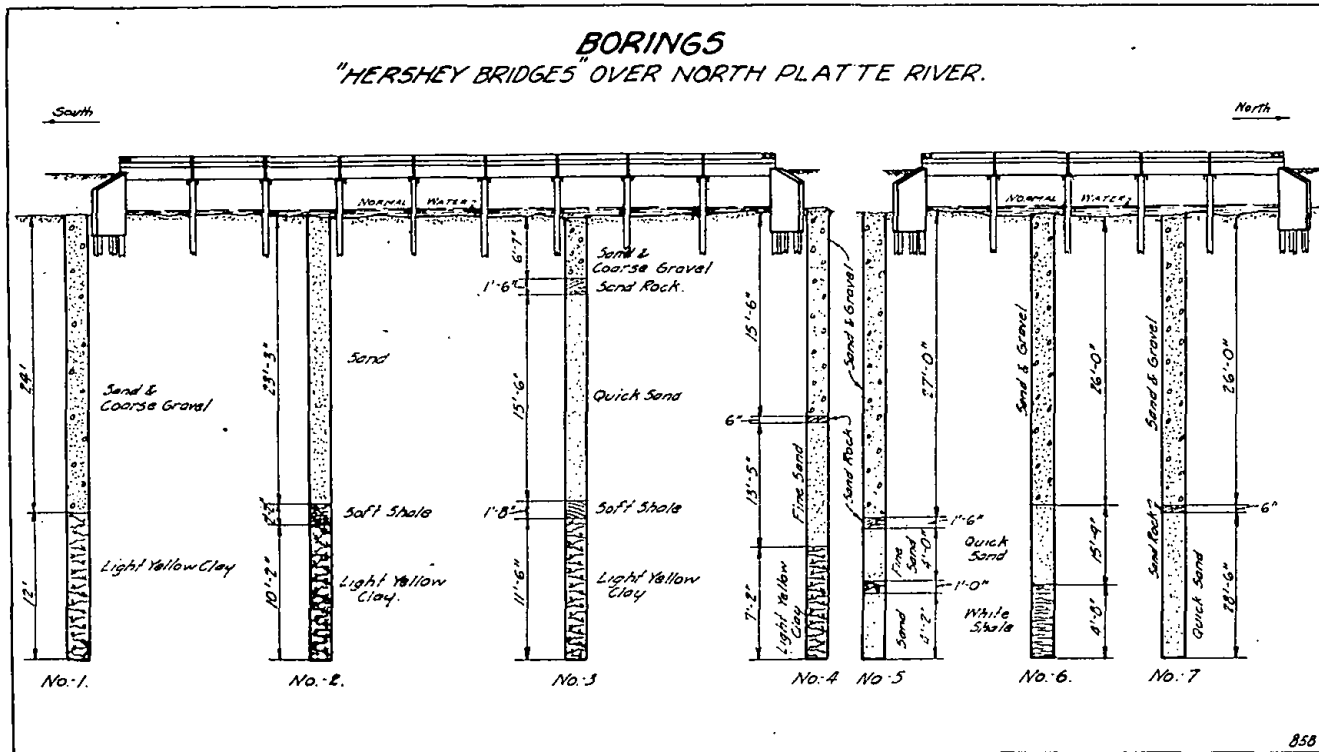


# BORINGS

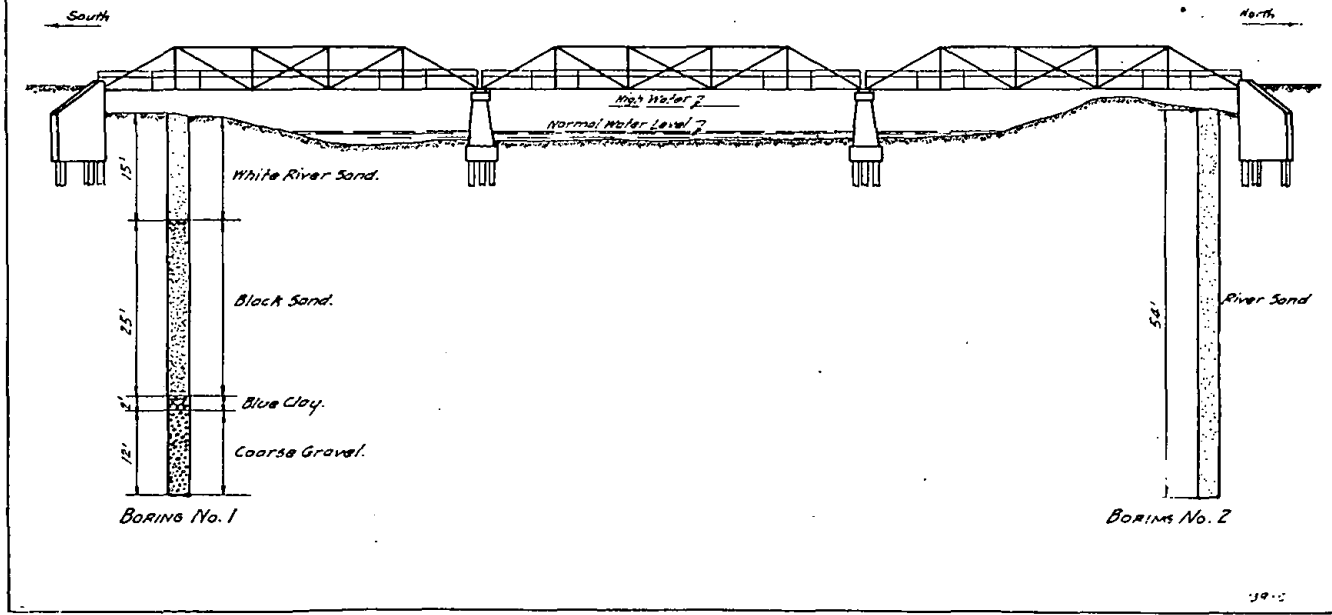
## "LISCO BRIDGE" OVER NORTH PLATTE RIVER.

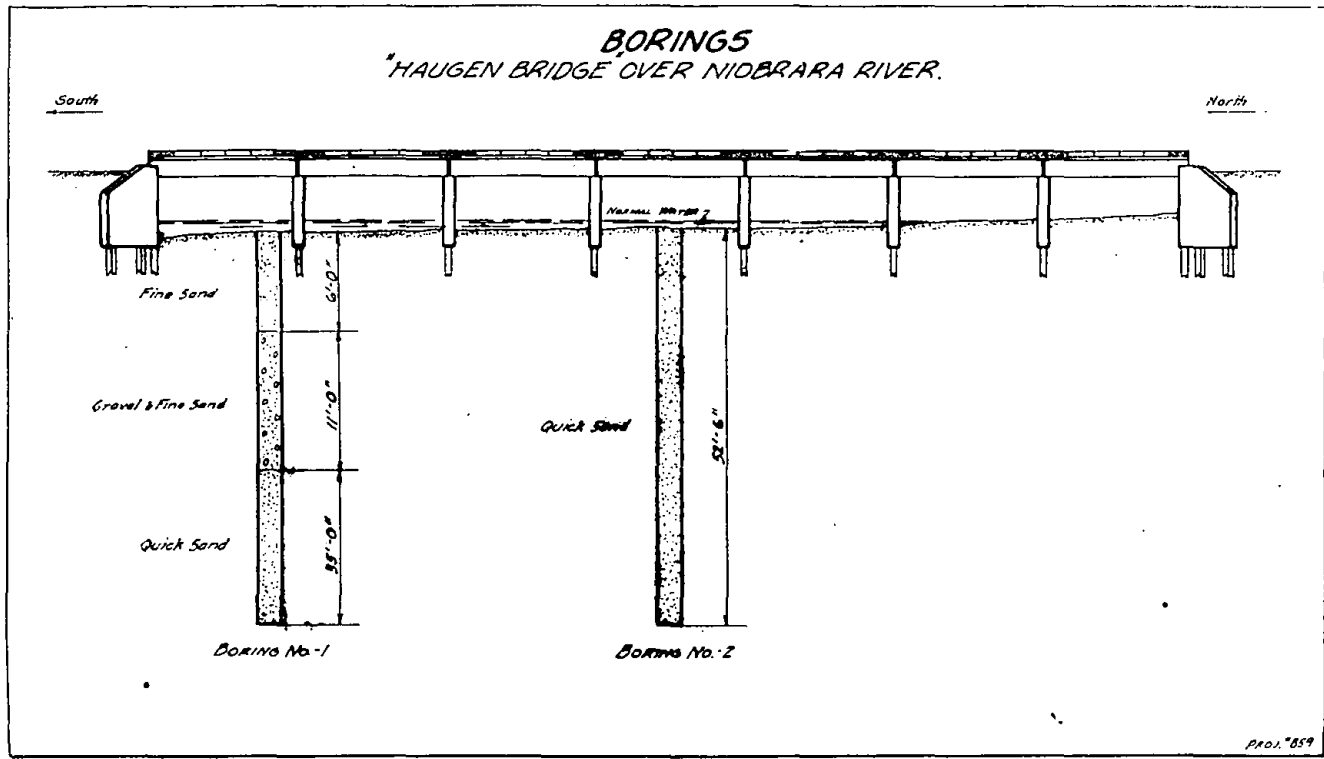


DEPARTMENT OF PUBLIC WORKS

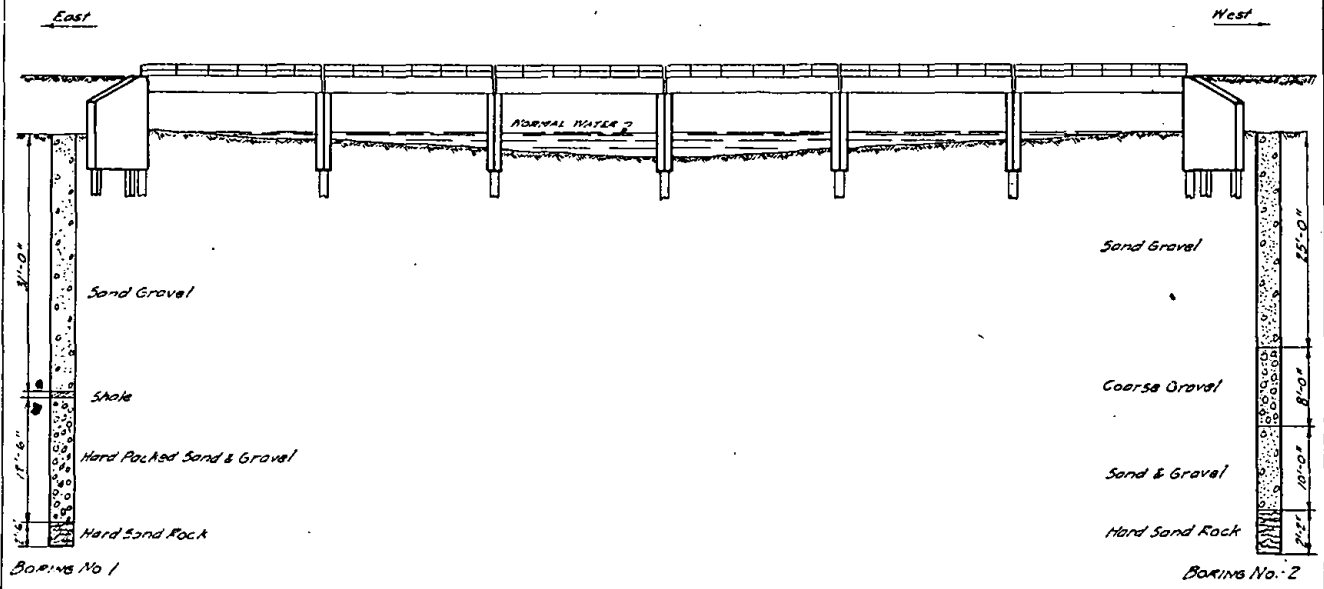


**BORINGS**  
"OAKDALE BRIDGE" OVER ELKHORN RIVER.



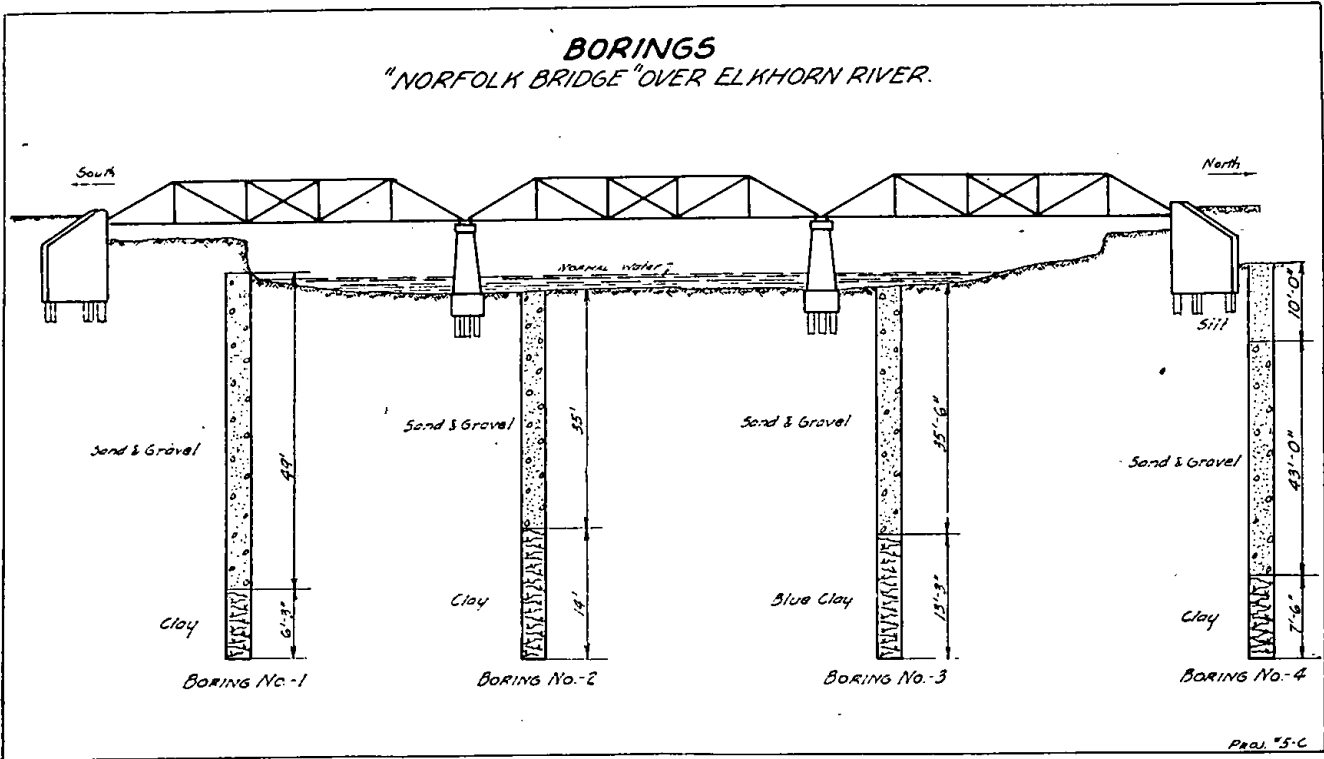


**BORINGS**  
 "SCOTIA BRIDGE" OVER NORTH LOUP RIVER.



DEPARTMENT OF PUBLIC WORKS

Proj. 310-A



## DIVISION OF ACCOUNTS AND RECORDS

Departmental expenditures are recorded and controlled by a quarterly estimate system in accordance with the State Code requirements. This method limits expenditures of the department to one-eighth of the appropriation for each and every three months of the biennium. Following is a list of the appropriations made by the Legislature for the use of this department during the 1927-1929 biennium:

## BIENNIUM JULY 1, 1927 TO JUNE 30, 1929

## DEPARTMENT OF PUBLIC WORKS

## House Roll

No.

296	180	Salary of Secretary .....	\$ 10,000.00
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## S. A. Road, Administration and Engineering.

295	181	Salaries and Wages (To be paid out of receipts from 2¢ Tax on Gasoline).....	171,200.00
295	182	Maintenance (To be paid out of receipts from 2¢ Tax on Gasoline).....	42,800.00
295	182	Salaries and Wages (Bureau of Irrigation)....	27,000.00
295	184	Maintenance (Bureau of Irrigation).....	23,000.00

## State Highway Administration and Purchase Auto License Plates.

295	186	2½% of Motor Vehicle Registration Fees, Balance and Estimated Fees.....	190,000.00
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## Public Improvements.

295	187	Road Maintenance, 30% of Motor Vehicle Registration, Including Unexpended Balance.....	2,000,000.00
295	188	Road Maintenance from Gasoline Tax.....	2,000,000.00
295	189	All Funds Derived from a 2¢ per gallon Gasoline Tax, for Road Purposes to be Distributed as Provided by Law, Estimated.....	3,556,000.00
295	193	State Aid Bridges .....	200,000.00
295	194	Federal Aid Road Fund. All Federal Aid Road Moneys Received During the Biennium Ending June 30, 1929, Together with Any Unexpended Balance on Hand June 30, 1927, Estimated....	3,556,000.00

Notices of contemplated construction are mailed to contractors from this office, and arrangement for legal publication of same is made. Bids are submitted by the contractors on forms furnished by the Department of Public Works, and all bids are accompanied by a certified check equivalent to 5% of the amount of the bid. After bids are opened and tabulated, the minutes of the session of awarding of contracts are taken. The Chairman of the County Board, together with the successful con-



tractor are then referred to this Division for execution of the contract and bond. After the contracts are executed, copies of same, together with the tabulations are made and distributed. During the reading of proposals, this division records the certified checks submitted, and after the awards are made, returns the checks of the unsuccessful bidders.

Estimates of the monthly progress of construction work on the various projects are submitted by the Project Engineers through their respective District Engineers. Engineers in Districts 5, 6, 7 and 8 submit monthly estimates on the tenth of each month and in Districts 1, 2, 3 and 4 on the 25th of each month. Cost distribution of the estimates is made and vouchers are drawn in accordance, and are submitted to the contractor for his endorsement. Vouchers are returned, and as fast as funds become available, are submitted to the Finance Department for payment.

Departmental payrolls and expense vouchers are made up in this Division from the various reports submitted. Warrants are issued by the State Treasurer in payment of same and are then mailed out.

All stenographic work, including correspondence and filing with reference to road and bridge work, is taken care of by this Division. All permanent records are kept in fire proof vaults. Requisitions for all divisions of this Department are made up and the proper records are kept.

One of the most important phases of work of the Division during the past biennium has been the proper disposition of claims which have been filed against contractors. Although the bond furnished with each contract guarantees payment of all just and lienable claims, the Department has acted as a medium for bringing about adjustments of the contested claims. The Accounting Engineer has found it necessary in a number of cases to call hearings on such disputes, even though the claims filed were properly referred to the bondsmen for adjustment. The contractor, bondsmen, and his attorneys, together with the claimants, were advised of a hearing, usually held in the offices of the Department and the claims adjusted and released. It was insisted at each hearing that the Department be given specific instructions by the bondsman or his representative as to the disposition of all funds due the contractor, when such conditions exist. The reason for calling the hearings was to enable release of all money due contractors, which otherwise would have been held up indefinitely. This allows the Department to balance and close its records. Several of the hearings were complicated by the assignments having been filed by the contractors to banks which afterwards were taken over by the Guaranty Fund Commission. In these cases, it was necessary to include a representative of the Guaranty Fund Commission or State Bank Division.

Efforts are being made for a more comprehensive system of recording cost data. A complete costs audit is being made by this Division of all construction work since the organization of the Department. The results are being recorded for future reference and used as a basis of planning work in the future.

**DIVISION OF RIGHT OF WAY**

The State Legislature in 1927 enacted legislation which authorizes and empowers the Department of Public Works to purchase right of way direct from the land owner, or, if unable to agree with him on the matter of price, to have the same appraised in the same manner as counties are authorized to condemn property for county purposes. Water courses may be changed, and borrow dirt, clay surfacing and gravel may also be obtained in this manner, although up to the present time the law has not been invoked to secure gravel. It is the policy of the Department of Public Works, however, to avail itself of the condemnation feature of the law only as a last resort and but comparatively few cases have been instituted. Occasionally, the Department of Public Works is requested by administrators of estate, guardians of minors, etc., to use this method of purchase in order to protect themselves from criticism. This also gives the Department of Public Works perfect title to the property where otherwise the title might not be regular.

The Federal Government does not participate in the purchase of the original right of way for highways but does pay one-half of the cost of borrow dirt, clay surfacing and channel changes.

In negotiating for right of way or road materials it is usual for a representative of the Department of Public Works and the land owner to enter into a contract for the sale and purchase of the land or material required. Where possible the requirements are specifically stated in the contract and the full purchase price agreed upon, but in cases of borrow dirt or clay surfacing it is not unusual to contract by the acre, and payment is made on the actual acreage used. After the amount has been arrived at, a voucher is prepared by the Department of Public Works and presented or mailed to the claimant for his signature and acknowledgment. After this has been done and the voucher returned, it is approved by the proper District Engineer, the Right of Way Engineer and by the Secretary of the Department of Public Works, following which it is passed to the Department of Finance. In appraisal or condemnation cases, the County Judge signs the voucher instead of the land owner and includes all costs of the appraisal, which are always borne by the Department of Public Works.

The following table shows the total amount spent for right of way in each county, and includes all road materials and channel changes, since April 23, 1927, (the date on which the above mentioned legislation became effective) to November 17, 1928, and includes all purchases for which a voucher has been approved.

DEPARTMENT OF PUBLIC WORKS

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COUNTY	RIGHT OF WAY	BORROW DIRT		CLAY SURFACING		CHANNEL CHANGE		TOTAL
		State Only	Fed. Aid	State Only	Fed. Aid	State Only	Fed. Aid	
Adams	\$ 75.00							\$ 75.00
Antelope	3,767.29	525.51	270.51			44.55	44.55	4,652.41
Arthur	2,769.89			909.00	909.00			4,587.89
Banner	25.00							25.00
Blaine	1,790.62			200.77	200.78			2,192.17
Boone		79.50	79.50					159.00
Box Butte		117.25	117.25			37.50	37.50	309.50
Boyd	5,679.95	166.25	166.25	80.00	80.00	25.00	25.00	6,222.45
Brown	800.00	175.00	175.00					1,150.00
Buffalo								
Burt	3,093.55	528.35	528.35			165.00	165.00	4,390.25
Butler	735.92	641.37						1,377.29
Cass	100.00	3,072.68	3,072.70					6,245.38
Cedar	\$20.06	640.00	200.00					1,660.06
Chase								
Cherry	584.50	20.50	20.50	502.75	502.75			1,631.00
Cheyenne	250.00							250.00
Clay	700.00							700.00
Colfax	461.10	768.17	768.17					1,997.44
Cuming	7,888.25	128.94	28.94	150.00	150.00	12.50	12.50	8,371.13
Custer	4,390.50			518.74	518.74	63.10	63.10	5,554.18
Dakota	150.00							150.00
Dawes	3,679.36	195.00	195.00	25.00	25.00	837.50	837.50	5,794.36
Dawson								
Deuel	115.00							115.00
Dixon	200.00							200.00
Dodge	9,463.35	290.80	290.80			144.83	144.83	10,334.55
Douglas								
Dundy								
Fillmore	935.80							935.80
Franklin		908.73	908.72					1,817.45
Frontier								
Furnas	12,072.27					30.00	30.00	12,132.27
Gage	2,223.72	158.10						2,381.82
Garden	8,314.50	67.50	67.50	525.00	525.00			9,499.50
Garfield	109.50							109.50
Gosper								
Grant	806.01							806.01
Greely	2,734.50			150.00	150.00			3,034.50
Hall	460.00	468.07	468.08	150.00	150.00	600.00		2,236.15
Hamilton	603.40							603.40
Harlan	1,062.50							1,062.50
Hayes								
Hitchcock								
Holt	333.25	156.70	22.50	188.50	188.50			889.45
Hooker								
Howard	267.91							267.91
Jefferson	2,641.00							2,641.00
Johnson	5,839.50	207.50	207.50			100.00	100.00	6,454.50
Kearney	1,120.00	827.22	827.23					2,774.45
Keith	1,123.14			250.00	250.00			1,623.14
Keya Paha								
Kimball	156.10							156.10
Knox	4,095.34	849.68	723.81			12.50	12.50	5,639.83
Lancaster	7,343.00	25.00	25.00			42.50	42.50	7,478.00
Lincoln	335.21	1,598.67	162.50	500.00	500.00			3,096.38
Logan								
Loup	589.30							589.30
Madison	51.15			250.00				301.15
McPherson				416.67	83.33			500.00
Merrick	2,845.02	520.74	520.76					3,886.52
Morrill	709.00	37.50	37.50	282.75	282.75			1,349.50
Nance	4,874.10	56.25	56.25					4,986.60
Nemaha	1,145.00	450.00	450.00					2,045.00
Nuckolls	4,711.15	127.37	127.36			225.00	225.00	5,415.88
Otoe	88.50					35.00	35.00	158.50
Pawnee	635.00	75.00	75.00			155.00	155.00	1,005.00

## REPORT OF SECRETARY

COUNTY	RIGHT OF WAY	BORROW DIRT		CLAY SURFACING		CHANNEL CHANGE		TOTAL
		Stat: Only	Fed. Aid	Stat: Only	Fed. Aid	Stat: Only	Fed. Aid	
Perkins .....								
Phelps .....	831.65							\$31.65
Pierce .....	651.60					17.50	17.50	686.60
Platte .....	-9,293.78	1,138.77	1,138.79	200.00	200.00	325.00	325.00	12,621.34
Polk .....	200.00							200.00
Red Willow .....		198.25	198.25					396.50
Richardson .....	10,356.63	750.00	750.00			307.00	307.00	12,470.63
Rock .....				93.00				93.00
Saline .....	424.40	225.00	225.00					874.40
Sarpy .....								
Saunders .....	712.45	431.75	431.75			425.00	425.00	2,425.95
Scotts Bluff ..	789.00	25.00	25.00					839.00
Seward .....	1,371.32	334.00	334.00					2,039.32
Sheridan .....	2,276.09			50.00	50.00			2,376.09
Sherman .....								
Sioux .....								
Stanton .....				200.00	200.00	12.50	12.50	425.00
Thayer .....	67.00							67.00
Thomas .....	149.60			215.05	215.05			579.70
Thurston .....	7,250.33	188.23	188.24					7,626.80
Valley .....	905.58							905.58
Washington ..								
Wayne .....	2,799.80	164.85	164.85					3,129.50
Webster .....								
Wheeler .....	1,180.00			105.00	105.00			1,390.00
York .....								
Total .....	\$154,933.44	\$17,339.20	\$14,048.56	\$5,962.23	\$5,285.90	\$3,616.95	\$3,016.95	\$204,203.23

## DIVISION OF TESTS

The principal object in testing and analyzing materials used or proposed to be used in the construction of State and Federal Roads and Bridges is for the purpose of determining whether they meet the requirements of the specifications.

Prof. C. M. Duff of the Department of Applied Mechanics, College of Engineering, University of Nebraska, is the Materials and Testing Engineer in charge of the analysis and testing of all materials used in the construction and maintenance of State and Federal Aid roads and bridges.

A few of the materials tested are: Clay and top soil surfacing materials, gravel for use in concrete and for road surfacing, cement, concrete cylinders made during construction, concrete cores cut from concrete in place, paving brick, bituminous concrete, sheet asphalt, various asphalt and tar products, aggregates used in bituminous concrete and sheet asphalt, steel reinforcing bars, woven mesh reinforcing, guard rail cable, woven wire guard rail, creosoted guard rail posts and timbers, treated and untreated piling and bridge timbers, steel piling, concrete culvert pipes, corrugated iron culvert pipes, clay sewer and drain pipes, sign and snow fence posts, oils, paints, and many others.

Most of the testing is done in the Department of Applied Mechanics Laboratories at the University of Nebraska, except where certain materials are tested at the manufacturer's plant or where temporary laboratories are established on certain projects where field control is necessary. On many projects the gravel is tested on the job by a field inspector who makes his own report and submits copies of his analysis direct to the Federal Bureau. This is an economical method of testing with a great saving in time.

In addition to testing and analyzing materials, recommendations are made as to the acceptability of the materials or the advisability of using such materials. Field inspections of work under construction and preliminary surveys of available local materials are also made. The reports and recommendations are made to the Chief of the Bureau of Roads and Bridges for his consideration and action, after which a copy of each test report is mailed to the Federal District Engineer's office. All materials failing to meet the requirements of the specifications are marked rejected.

The testing is done under an agreement between the Department of Public Works and the State University, by the terms of which the University furnishes the equipment and personnel for making and reporting tests. Payments are made for this service by the Department direct to the University, such payments being based upon an agreed price for each test. This price, however, varies with the amount of testing done each month.

The testing of materials by standard methods is necessary in order that the results obtained in one section of the United States may be comparable with those obtained in any other section. As far as possible the methods used for conducting all tests and analyses of materials are as provided by the United States Department of Agriculture, Department Bulletin No. 1216, "Tentative Standard Methods of Sampling and Testing Highway Materials," and the Standards and Tentative Standards of the American Society for Testing Materials.

These standard methods for testing are very detailed and describe completely the machines or apparatus to be used as well as a carefully outlined method of making and interpreting the results.

The different conditions under which tests are made are very important. Various tests are materially affected by temperature conditions, shape of specimen, speed at which load is applied, duration of test and many other conditions, but practically all of these are taken into consideration by the standard specifications for testing. By carefully following these specifications a laboratory in New York should obtain the same test results as a laboratory in California, provided the same material were tested by both.

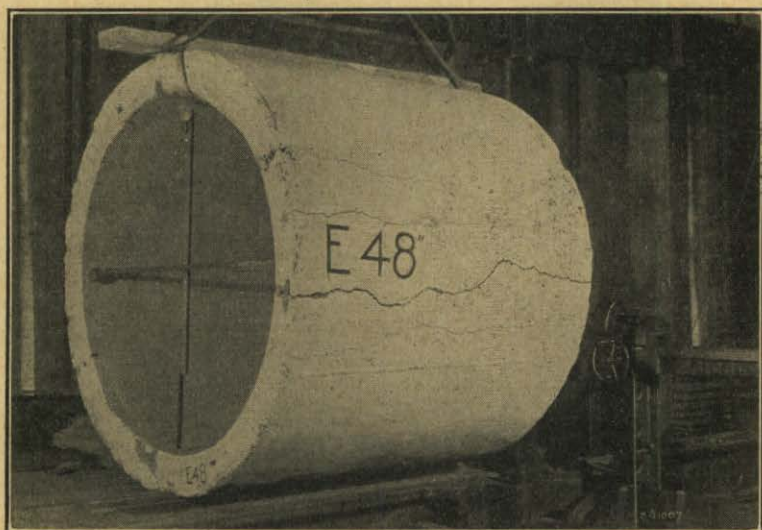
Very few people know that concrete when tested in compression at zero temperature is about fifty per cent stronger than when tested at ordinary room temperature. Or that concrete is weaker when tested wet than when it is tested dry, and due to this cause may show a variation in strength of as much as forty per cent. The quantity of cement used, the gradation of the aggregate, the amount of water used and the conditions of curing are all very important factors affecting the strength. The strength of concrete may be decreased as much as fifty per cent by simply using too much water. The use of too fine an aggregate reduces the strength and the drying out of the concrete too rapidly in the early stages of curing also reduces the strength.

By using only fine aggregate in a wet mix a very excellent appearing concrete can be made which presents a smooth uniform surface very pleasing to the eye, but one very deficient in strength and weather resisting qualities when compared with concrete using the same amount of cement and properly graded aggregate. For a given amount of cement a concrete made by using a coarse, well graded aggregate and only enough water so that the concrete will be workable will be found to be much the stronger, but it will probably not offer as smooth or uniform a surface unless special care is taken in the finishing. Good concrete can be produced from the use of fine aggregate but it requires more cement per unit volume. Where a fine aggregate is much cheaper than standard aggregate it is sometimes more economical to use additional cement.



In making tests the materials are not usually subjected to actual working conditions, but are only required to meet certain minimum specifications and if these are complied with, the material is considered satisfactory.

The requirements of these specifications are usually based on the results obtained from tests and investigations that have been made on materials that have proved satisfactory and acceptable under service conditions. Take, for example, reinforced concrete pipes, which, after having been installed and subjected to service conditions, are completely surrounded by earth pressure. Yet in testing pipes it is customary to support them on the bottom and apply the load on the top as shown by the following view.



The load the pipes will carry under these conditions is much less than what they would carry if placed in the ground. However, there is a correlation between the two conditions of loading and it has been found that pipes which show a required strength when tested under laboratory conditions will give satisfactory service when placed in the ground. Another factor affecting the strength of reinforced concrete is the placing of the reinforcing. This is particularly true in reinforced concrete pipe. If the reinforcing is not properly spaced it does very little good as far as increasing the strength of the pipe. From tests made on reinforced pipe it has been shown that, for a given strength, the load at first crack is dependent on the thickness of the shell, and that the maximum strength is dependent on size of reinforcing used and the

distance that it is placed from the center line of the shell. Increasing the shell thickness will increase the strength at both the first crack and the maximum load while increasing the size of the reinforcing, the placing remaining the same, will only increase the maximum load.

From studies such as these the testing of materials not only gives information concerning the acceptability of a given material, but also gives information that can be used in improving the design of the product.

Another example of where looks is no guide to quality is found in corrugated iron pipes. Two pipes may appear to have the same thickness of metal and the same quantity of galvanizing on its surface yet when tested the metal in one pipe may be as much as ten per cent thinner than the other and may have only half as much galvanizing on its surface. The rust resisting qualities of the pipe not only depend on the quantity and quality of galvanizing on its surface but also on the kind and quality of iron that is used. Iron that contains an excess of such impurities as carbon, phosphorous, sulphur, manganese, and silicon does not last as long as one that has less impurities.

Some materials are subjected to several kinds of tests but usually no more tests are made than are necessary to determine whether the material will give satisfactory service under field conditions. The object of testing is not necessarily to obtain the best material but to obtain a product that will meet certain specifications which have been agreed upon as being satisfactory. If testing were done only to determine and for the purpose of specifying the best products, it would lead to many disputes, for reliable authorities differ among themselves and have different personal convictions as to what is best and if a best product could be determined and specified, it would then exclude competition. For these reasons the specifications are made broad enough so that no one manufacturer or contractor will be able to obtain a monopoly on any class of material or kind and quality of construction. In Federal Aid work no patented type of construction or patented material is ever specified, but the specifications are usually broad enough so that there are no objections to the use of the process, or material, provided it permits competition with other types of construction or materials and tests have shown it to be satisfactory and the contractor is responsible for all royalties.

Where the use of certain material covers a wide range of quality the specifications are usually written so as to group the material in several classes, such as first, second or third grade. When such material is submitted for use it is necessary to test it in order to determine to what group it belongs.

Materials which are giving entire satisfaction and those which have proved satisfactory under long service are often removed from a road and tested in order to determine what qualities they possess that have

attributed to their satisfactory service. Materials which are known to be unsatisfactory and those which have failed are often removed from a road and tested to determine what caused their failure and what qualities have attributed to their unsatisfactoriness. From such information specifications are written which include the desirable qualities of the materials and exclude the poor or undesirable qualities.

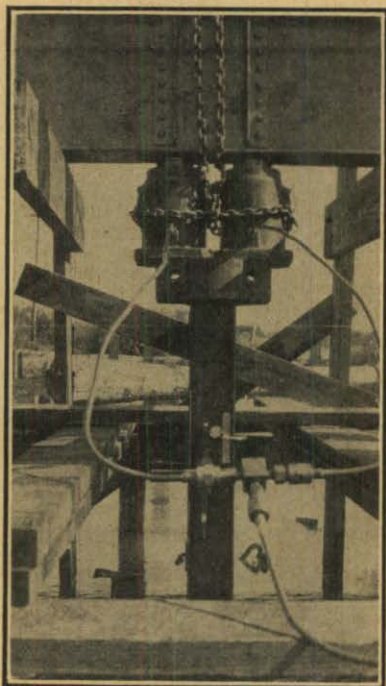
Tests are not only made on the raw material used in construction but also on the finished product. By making tests on the individual materials used, we are able to exclude the use of any that are inferior, and thereby protect the manufacturer or dealer from later criticism by the contractor or user, that the use of a certain material was the cause of the poor or unsatisfactory product resulting from the mixture of several materials. The fact that all the materials used in the manufacture of a certain product have been tested and found satisfactory is no guarantee that the resulting product will meet the specifications or be satisfactory.

### RESEARCH WORK

A special research appropriation should be made for the purpose of investigating and studying various materials and constructions. From such research work great economies are often obtained which not only benefit the State but the country at large. Some of the road materials used in highway construction in this State are peculiar to Nebraska and are not found or used in other States. In order to use these materials to best advantage some research work is necessary and every effort should be made to determine their suitability.

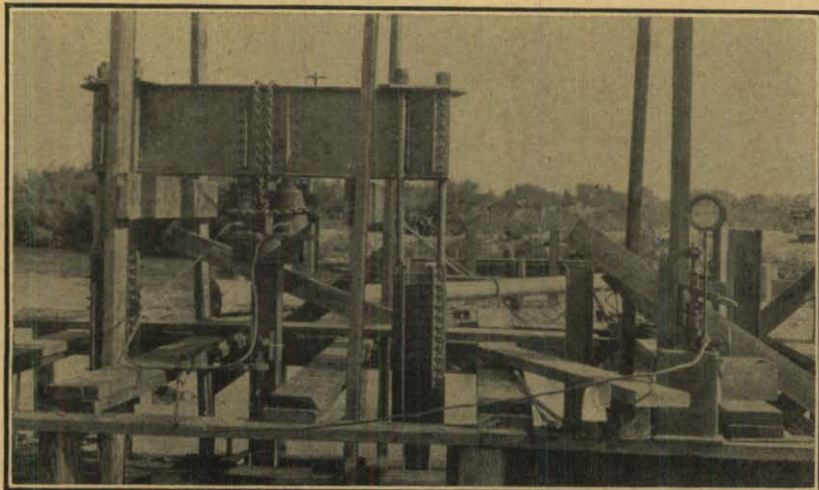
During the past biennium some research work was started on reinforced concrete pipes and gravel roads. This work has been continued during the present biennium and a summary report has been made on the Investigation of Nebraska Sand-Gravel Roads.

As a result of the information obtained from tests made on reinforced concrete pipes the specifications were changed to double line of reinforcing for all but the 18-inch pipes. The size and placement of reinforcement and thickness of shell were also changed to produce more efficient structures. During the present biennium several research investigations have been made. (1) Tests were made on the load carrying capacity of steel piling in which the piles were loaded by means of hydraulic jacks and readings were taken with strain gauges showing the compression in the steel as the load was applied.



Views showing tests on carrying capacity of steel piles (50 ft. by 8 in.) at Gothenburg Bridge over Platte River. (See Chart under Bridge Dept. for borings.)

Note method of pushing down the pile by use of two 150-ton hydraulic jacks pushing against cross beam fastened to the two adjoining piles.





(2) Numerous tests were made on creosote extracted from piling and bridge timber and the results compared with the analysis of the creosote used at time of treatment. A study was also made to determine the presence of petroleum oil in the creosote. (3) A study of corrugated iron culvert pipe was started but due to the large amount of work involved and the fact that the knowledge of the origin and history of the kinds of material used were very limited, this was abandoned.

During the past four months considerable research and experimental work has been done on oiled roads. Numerous aggregates have been analyzed and experimental laboratory mixes have been made using several different kinds of oil. Five short experimental sections have been constructed in various parts of the State. In constructing these sections it was not assumed that they would all prove satisfactory. These sections in most cases were divided into smaller sections in which the thickness of surface, type and grading of aggregate, and the kind and quantity of oil were changed. These variations in construction were made for the purpose of studying their effect on the stability and probable life of the surface. Very favorable reports have come from several of the sections but no reliable information can be given at this early date relative to their economic value as a road surfacing material.

**NUMBER AND KIND OF MATERIALS TESTED IN THE  
LABORATORY OF THE STATE UNIVERSITY FOR  
STATE AND FEDERAL AID  
CONSTRUCTION**

**November 1, 1926 to October 30, 1928**

Kind of Material	No. of Tests	Remarks
Asphalt .....	11	
Bituminous Concrete (Analysis) .....	106	
Bituminous Concrete Aggregate	6	
Cement .....	951	
Concrete Cylinders .....	2109	
Concrete Cores and Cubes.....	13	Tests made on prepared cubes or cores drilled from finished structures.
Concrete Culvert Pipe.....	154	
Clay .....	1082	
Creosote Oil .....	52	Most of the creosoted material is inspected at the plant by commercial laboratories acting for the state.
Creosoted Timber and Piles.....	45	

Culvert Metal .....	803
Guard Rail Cable.....	30
Gravel .....	813
Oiled Aggregate (Analysis).....	85
Paint .....	14
Road Oil .....	29
Road Signs .....	13
Sewer Pipe .....	4
Snow Fence .....	2
Soil and Subgrade.....	42
Steel Fence Posts.....	8
Steel Piling .....	62
Steel Reinforcing Rods.....	554
Stone .....	28
Traffic Tread .....	2
Water .....	2
Woven Wire Guard.....	136
Wire Reinforcing .....	10
Total Tests.....	7166

In addition to these tests in the laboratory, many hundreds of additional field tests were made by engineers and inspectors on the job.

Most of paint is sampled at plant and tested by commercial laboratories acting for the state.

#### DIVISION OF ROAD EQUIPMENT

For the past two years the equipment division has acted as a distributing agency for signs, paint, creosote and explosives. All of the above have been purchased in bulk and distributed to the different parts of the state as required. Repair parts and replacements have also been handled in a small way, mostly from stock on hand.

The average number of employees in this division for the last two years has been six with extra laborers hired when needed. The work of this division has greatly reduced and has been absorbed by the maintenance activities over the state.

**INTERSTATE HIGHWAYS ACROSS NEBRASKA**

For the past few years State Highway officials of the nation in co-operation with the Bureau of Public Roads of the U. S. Department of Agriculture, have been working on a plan to designate certain through highways with numbers that would be continuous from one state to another. This plan was adopted early in 1927 by the American Association of State Highway Officials. Naturally only a limited mileage was involved in this system but it was believed that it would take care of the major part of the interstate traffic.

The system of numbering provides that roads running north and south shall carry an odd number and roads running east and west shall carry an even number. The total mileage involved in the system is 96,626 miles, of which Nebraska has 2,159 miles.

The design for numbering these highways is the well known U. S. Shield, carrying the number as well as the State through which the highway passes.

The following descriptions cover Nebraska Highways involved in this system. These highways have no preference over other highways on the Federal Aid Highway System as far as construction and financing are concerned.

**U. S. Highway No. 20**

Beginning at the Iowa-Nebraska State line at South Sioux City, via Laurel, Orchard, O'Neill, Ainsworth, Valentine, Rushville, Chadron to the Nebraska-Wyoming State line west of Harrison. Route is from Boston, Massachusetts, to Astoria, Oregon.

**U. S. Highway No. 26**

Beginning at Ogallala via Oshkosh, Bridgeport, Scottsbluff to the Nebraska-Wyoming State line east of Torrington. Route extends from Ogallala, Nebraska, to Denver, Colorado.

**U. S. Highway No. 30**

Beginning at the Nebraska-Iowa State line at Omaha via Fremont, Columbus, Central City, Grand Island, Kearney, North Platte, Ogallala, Big Springs, Sidney, Kimball to the Nebraska-Wyoming State line at Pine Bluff. Route is from Atlantic City, New Jersey, to Astoria, Oregon.

**U. S. Highway No. 38**

Beginning at Omaha via Ashland, Lincoln, Milford, Fairmont, Hastings, Minden, Arapahoe, McCook, Imperial to the Nebraska-Colorado State line west of Lamar. Route is from Omaha, Nebraska, to Greeley, Colorado.

**U. S. Highway No. 73**

Beginning at Howe via Shubert, Falls City to the Nebraska-Kansas State line north of Reserve. Route is from Howe, Nebraska, to Atoka, Oklahoma.

**U. S. Highway No. 75**

Beginning at the Iowa-Nebraska State line at Omaha via Platts-mouth, Auburn, Dawson to the Nebraska-Kansas State line north of Sabetha. Route is from Minnesota-Canada line to Galveston, Texas.

**U. S. Highway No. 81**

Beginning at the South Dakota-Nebraska State line south of Yankton via Crofton, Norfolk, Columbus, Osceola, Fairmont, Hebron to the Nebraska-Kansas State line south of Chester. Route is from North Dakota-Canada line to Texas-Mexico line.

**U. S. Highway No. 138**

Beginning at Big Springs southwest to the Nebraska-Colorado State line north of Julesburg. Route is from Big Springs, Nebraska, to Sterling, Colorado.



**REPORT ON TRAFFIC REGULATIONS**

In the fall of 1927 as a result of a number of complaints regarding overloaded trucks on state highways, a weighing crew consisting of two men was kept on the roads in various parts of the state for about six weeks, weighing the larger trucks. A small percentage of trucks was found to be overloaded and the operators, when advised of the situation, corrected their loading to comply with the legal requirements. It is considered that an occasional check up on truck loads will be very beneficial and will tend to prevent overloading.

The Department of Public Works, pursuant to Section 8347, of the Compiled Statutes of Nebraska for 1922, formulated official State Highway Rules and Regulations governing the use of state highways. These regulations were printed in pamphlet form and have been distributed and are available upon request to the general public free of charge. These regulations are in addition to the statutes rather than in explanation or interpretation of the statutes. The principal regulatory laws governing the operation of motor vehicles are also included in the pamphlet.

Nothing in the rules is construed as qualifying or voiding the ordinances or rules of the local authorities on state highways within their jurisdiction. The previous issue of Motor Vehicle Rules had been made in 1919.

## TRAFFIC CENSUS

Traffic counts on all principal highways of the state have been conducted by the Department of Public Works for the past number of years. The purpose of this census is to determine the number of vehicles being carried by Nebraska highways and in a measure determine what type of roadway and surfacing is adequate to handle the traffic, under soil and weather conditions.

A substantial increase has been noted on nearly all highways from year to year. In isolated cases a decrease has been recorded due to traffic being split over two highways or other causes.

The traffic count was taken in such a way that all vehicles were grouped in the following classes:

"Local county," i. e. cars carrying a license plate from the county in which the count was taken; "inter county," which include all Nebraska vehicles from other counties, and "inter-state," which are cars from other states. Vehicles were also classified as to type, i. e., passenger cars, trucks and horse drawn.

The charts on the following pages represent a summary of the census for 1927 and 1928.

It will be noted that the traffic has increased materially each year that the census has been taken. This increase can be attributed to two factors, viz, increased auto registration to some extent but particularly the increase resulting from the improved highway mileage in the State. An additional factor has been improvements made in adjacent states.

Inter-State traffic has shown a notable increase from year to year. This is shown clearly in graph form on chart No. 3.

As shown by chart No. 4, it is noted that the majority of cars counted are local county cars. This would seem to be a very good argument against the oft-heard statement that good roads are built for and used most by tourists.

Charts Nos. 5 and 6 show the trend of traffic, both daily and hourly in graph form. The greatest daily traffic occurs on Sunday while the greatest hourly traffic is between the hours of five and six in the evening.

It is natural to assume that the majority of vehicles on the highways are passenger cars. This is shown clearly on chart No. 7. About half of one per cent of total vehicles counted are horse drawn.

DAILY AVERAGE—TRAFFIC INCREASE

STATION	HGWY. NO.	LOCATION	1924	1926	1927	1928	% INCR. 1926 over 1924	% INCR. 1927 over 1926	% INCR. 1928 over 1927
Anslcy.....	2	1 Mi.N.W.	.....	.....	687	519	.....	.....	†24%
Columbus.....	U.S. 30	2 Mi.S.	1292	1666	968	1422	29	†42	47%
Columbus.....	U.S. 81	2 Mi.S.	.....	.....	921	1324	.....	.....	44%
Culbertson.....	U.S. 38	2 Mi.W.	.....	403	460	625	.....	14	36%
Culbertson.....	3	2 Mi.W.	.....	319	442	469	.....	39	6%
Grand Island.....	2	2 Mi.S.	.....	.....	1182	1265	.....	.....	7%
Grand Island.....	11	2 Mi.S.	.....	.....	1125	1204	.....	.....	7%
Grand Island.....	U.S. 30	1 Mi.W.	1348	1460	1632	2152	14	12	32%
Hastings.....	U.S. 38	2 Mi.W.	1279	1337	1413	2002	5	6	42%
Havelock.....	U.S. 38	1 Mi.N.E.	1434	1831	1915	2268	26	5	18%
Lincoln.....	U.S. 77	11 Mi.S.	.....	950	1088	2061	.....	15	89%
Lincoln.....	33	11 Mi.S.	.....	705	699	926	.....	†9	32%
Nebraska City.....	U.S. 75	1 Mi.S.	1014	1398	1614	1967	38	15	22%
Norfolk.....	U.S. 81	1 Mi.S.	.....	935	1338	2245	.....	43	68%
North Platte.....	U.S. 30	2 Mi.W.	921	1312	1408	1838	42	7	31%
Omaha.....	5	12 Mi.N.	.....	.....	1315	1390	.....	.....	6%
Scottsbluff.....	U.S. 26	1½ Mi.E.	944	1662	1556	2004	76	†6	29%
Sidney.....	U.S. 30	1 Mi.E.	.....	904	1404	1392	.....	55	†9%
So. Sioux City.....	U.S. 77	1 Mi.S.	.....	1448	2038	2639	.....	41	29%
Valley.....	U.S. 30	5 Mi.N.	.....	.....	2184	1600	.....	.....	†27%
Wahoo.....	U.S. 77	1 Mi.N.E.	1070	1401	704	853	31	*50	21%
Wahoo.....	16	1 Mi.N.E.	.....	.....	794	1053	.....	.....	33%

† Decrease.

\* Decrease due to traffic count being split between U.S. 77 and State No. 16.

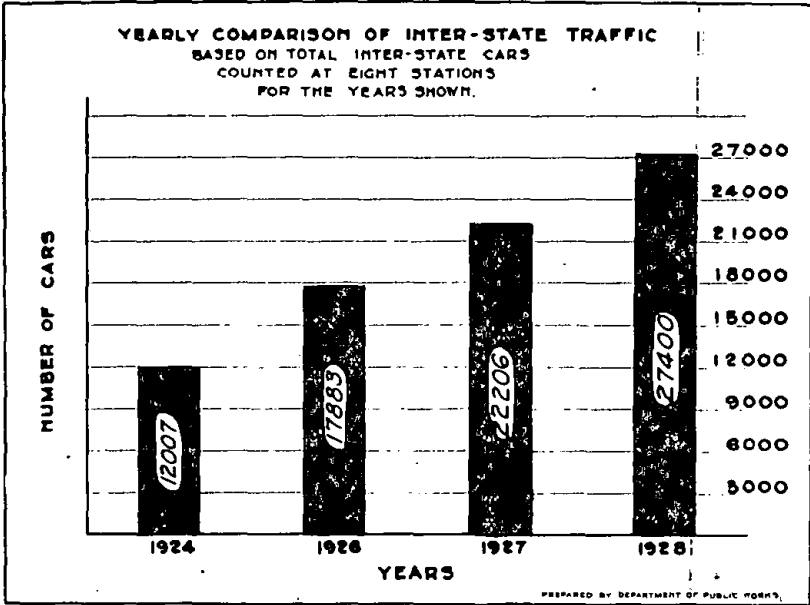
This chart shows the yearly traffic increase based on daily averages, on the principal highways of the state.

**DAILY AVERAGE—TRAFFIC INCREASE**  
Based on Inter-State Traffic Only

STATION	HGWY. NO.	LOCATION	1924	1926	1927	1928	% INCR. 1926 over 1924	% INCR. 1927 over 1926	% INCR. 1928 over 1927
Ansley.....	2	1 Mi.N.W.	.....	.....	54	40	.....	.....	.....
Columbus.....	U.S. 30	2 Mi.S.	237	407	336	515	72	17*	53
Columbus.....	U.S. 81	2 Mi.S.	.....	.....	89	158	.....	.....	78
Culbertson.....	U.S. 38	2 Mi.W.	.....	98	113	121	.....	15	7
Culbertson.....	3	2 Mi.W.	.....	144	189	166	.....	31	12*
Grand Island.....	2	2 Mi.S.	.....	.....	108	121	.....	.....	12
Grand Island.....	11	2 Mi.S.	.....	.....	251	224	.....	.....	11*
Grand Island.....	U.S. 30	1 Mi.W.	247	409	599	718	66	46	20
Hastings.....	U.S. 38	2 Mi.W.	251	263	339	367	5	29	8
Havelock.....	U.S. 38	1 Mi.N.E.	295	331	415	395	12	25	5*
Lincoln.....	U.S. 77	11 Mi.S.	.....	188	221	300	.....	18	36
Lincoln.....	33	11 Mi.S.	.....	99	67	75	.....	32*	12、
Nebraska City.....	U.S. 75	1 Mi.S.	258	362	571	716	40	58	25
Norfolk.....	U.S. 81	1 Mi.S.	.....	137	189	366	.....	38	94
North Platte.....	U.S. 30	2 Mi.W.	276	494	594	787	79	20	32
Omaha.....	5	12 Mi.N.	.....	.....	262	199	.....	.....	24*
Scottsbluff.....	U.S. 26	12 Mi.E.	76	175	214	300	130	22	40
Sidney.....	U.S. 30	1 Mi.E.	.....	302	619	539	.....	105	13*
So. Sioux City.....	U.S. 77	1 Mi.S.	.....	348	1154	965	.....	232	16*
Valley.....	U.S. 30	5 Mi.N.	.....	.....	427	479	.....	.....	12
Wahoo.....	U.S. 77	1 Mi.N.E.	77	113	105	116	47	7*	10
Wahoo.....	16	1 Mi.N.E.	.....	.....	52	106	.....	.....	104

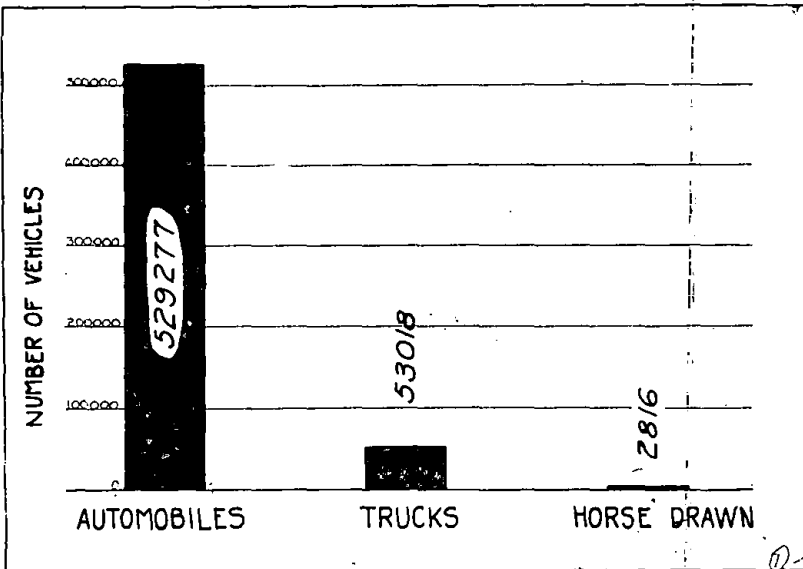
\* Decrease.

This chart summarizes the traffic census of inter-state vehicles only, and shows the yearly increase or decrease on the highways listed.



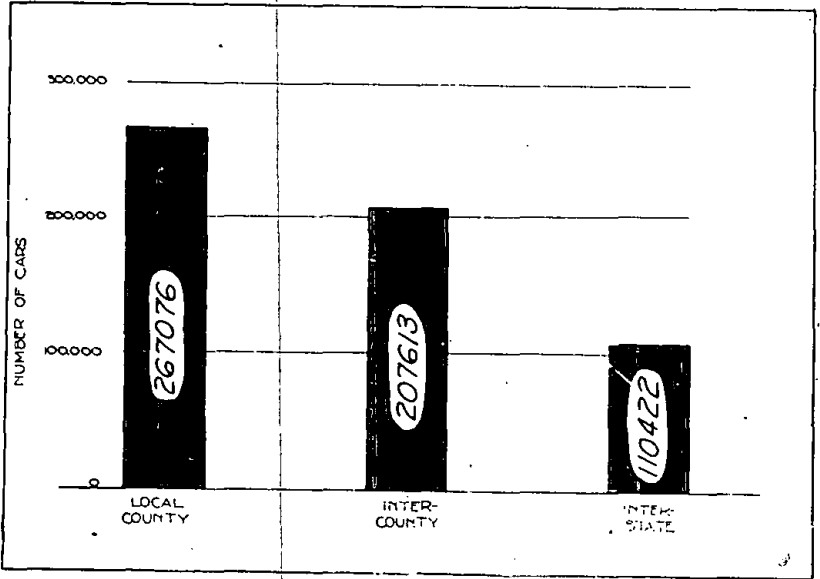
**COMPARISON OF VEHICLE TYPES**

Based on total number of vehicles counted for seven days, Aug 13-19, 1928, incl. for 67 stations



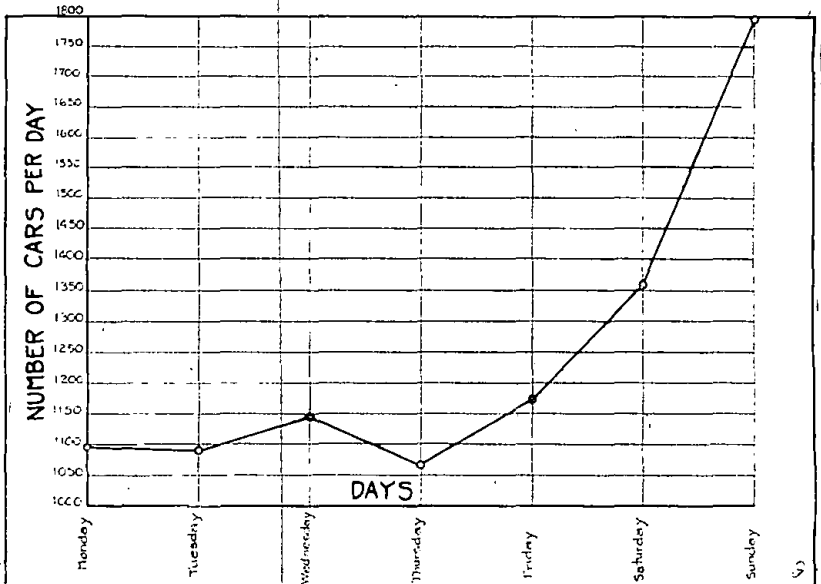
**COMPARISON OF LOCAL INTER-COUNTY AND INTER-STATE CARS**

Based upon total vehicles counted for seven days Aug 13-19 incl. at 67 Stations.



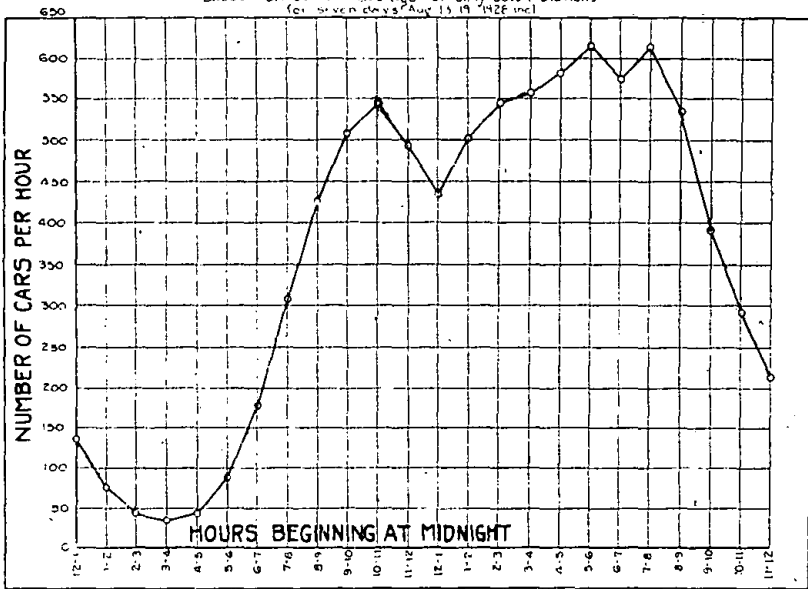
**DAILY TRAFFIC TREND**

Based on station coverage of sixty-seven stations, for seven days, Aug 13-19, 1928, incl.



### HOURLY TRAFFIC TREND

Based on station average of sixty-seven stations  
for seven days Aug. 15, 1928 incl.



Prepared by Dept. Public Works Sept 1928

### DIVISION OF MOTOR VEHICLE REGISTRATION

The Automobile Department was organized in 1913 with a registration of 25,617 cars, increasing as follows to 1928 with percentage of increase based upon 1913 registrations.

Year	Number	Total % Increase	% Increase Annually
1913	25,617	.0	.0
1914	40,929	59.8	59.8
1915	59,140	130.9	44.5
1916	100,534	292.4	70.0
1917	148,101	478.1	47.3
1918	175,409	584.7	18.4
1919	210,000	719.8	19.7
1920	221,000	762.7	05.2
1921	238,704	831.8	08.0
1922	256,654	901.9	07.5
1923	286,053	1016.7	11.5
1924	310,000	1110.1	08.4
1925	338,719	1222.2	09.3
1926	366,773	1331.7	08.2
1927	373,912	1359.6	01.9
1928 Approx.	380,000	1383.2	01.6



STATE DEPARTMENT OF PUBLIC WORKS									
GROWTH IN AUTO & TRUCK REGISTRATION BY YEARS-1913-1928									
	0	50,000	100,000	150,000	200,000	250,000	300,000	350,000	TOTAL PERCENT INCREASE.
1913									0
1914									60
1915									131
1916									292
1917									478
1918									585
1919									720
1920									763
1921									832
1922									902
1923									1017
1924									1110
1925									1222
1926									1332
1927									1359
1928									

DISTRIBUTION OF AUTO-LICENSE FUNDS AFTER 5 CENTS PER LICENSE PLATE IS DEDUCTED BY COUNTY TREASURERS. TOTAL FUNDS 1927 = \$3,721,649.19	
ADMINISTRATION	2½%
STATE'S SHARE	29¼%
COUNTY'S SHARE	68¼%

The division of Motor Vehicle Registration under the office of Secretary of State was transferred in 1919 by the Legislature to the Department of Public Works under the office of State Engineer.

At this time the Treasurers of the various counties were appointed by the Department of Public Works to act as agents of the Department for the purpose of registering Motor Vehicles and in the collection of all automobile registration fees in their counties.

The Legislature provided that while acting as agents for the Department of Public Works, the County Treasurers should retain from the funds collected for automobile registration five cents (5¢) for each original Motor Vehicle registration, said five cents (5¢) to be accounted for as other fees passing through their hands. After five cents (5¢) were deducted the County Treasurers transmitted to the State Treasurer two and one-half percent (2½%) of all such funds collected by them; said two and one-half percent (2½%) to be credited to the State General Fund, and when appropriated to be used by the Department of Public Works to pay the cost of administration of the Motor Vehicle law together with the cost of all automobile license plates, and the supervision of the maintenance of the state highways. It was further provided that after January 1, 1926, thirty percent (30%) of the balance

remaining (after deduction of the five cents (5¢) by the County Treasurer for each registration and the two and one-half percent (2½%) for the State General Fund) should be transmitted by the County Treasurers of the various counties to the State Treasurer and credited to the State Highway Fund out of which Fund is allowed claims for the maintenance of the State Highway System.

In 1922 the state went from central distribution of automobile license plates to distribution directly by the County Treasurers and the counties were given an index number according to number of automobiles registered in each county and prefixes registration as follows:

1.....	Douglas	32.....	Thayer	63.....	Boyd
2.....	Lancaster	33.....	Jefferson	64.....	Morrill
3.....	Gage	34.....	Fillmore	65.....	Box Butte
4.....	Custer	35.....	Dixon	66.....	Cherry
5.....	Dodge	36.....	Holt	67.....	Hitchcock
6.....	Saunders	37.....	Phelps	68.....	Keith
7.....	Madison	38.....	Furnas	69.....	Dawes
8.....	Hall	39.....	Cheyenne	70.....	Dakota
9.....	Buffalo	40.....	Pierce	71.....	Kimball
10.....	Platte	41.....	Polk	72.....	Chase
11.....	Otoe	42.....	Nuckolls	73.....	Gosper
12.....	Knox	43.....	Colfax	74.....	Perkins
13.....	Cedar	44.....	Nemaha	75.....	Brown
14.....	Adams	45.....	Webster	76.....	Dundy
15.....	Lincoln	46.....	Merrick	77.....	Garden
16.....	Seward	47.....	Valley	78.....	Deuel
17.....	York	48.....	Red Willow	79.....	Hayes
18.....	Dawson	49.....	Howard	80.....	Sioux
19.....	Richardson	50.....	Franklin	81.....	Rock
20.....	Cass	51.....	Harlan	82.....	Keya Paha
21.....	Scotts Bluff	52.....	Kearney	83.....	Garfield
22.....	Saline	53.....	Stanton	84.....	Wheeler
23.....	Boone	54.....	Pawnee	85.....	Banner
24.....	Cuming	55.....	Thurston	86.....	Blaine
25.....	Butler	56.....	Sherman	87.....	Logan
26.....	Antelope	57.....	Johnson	88.....	Loup
27.....	Wayne	58.....	Nance	89.....	Thomas
28.....	Hamilton	59.....	Sarpy	90.....	McPherson
29.....	Washington	60.....	Frontier	91.....	Arthur
30.....	Clay	61.....	Sheridan	92.....	Grant
31.....	Burt	62.....	Greeley	93.....	Hooker

All applications for Motor Vehicle registration are forwarded to the Department of Public Works where they are filed numerically in counties by registration number and alphabetically by name of applicant, also, a record of each make or kind of car is filed according to motor number with cross references in each instance to the registration

number assigned to such Motor Vehicle. The records are kept by card index and are open to the public during reasonable business hours. The new system of using two forms of receipts for Motor Vehicle registration which required but one writing of the receipt for renewals was brought about by agitation on the part of quite a few County Treasurers three years ago in which some of them claimed that the law did not require the County Treasurers to furnish but one copy. As a result of this agitation, the Department worked out a system that would meet with our demands and make possible a reduction of the work for which they were asking. The result of this was the two, forms of receipt which for the great majority of certificates written requires but one operation. There has been a growing enthusiasm on the part of the County Treasurers ever since this was instituted in favor of this new system. Incidentally, it has greatly reduced the work in this office and makes possible our keeping up the records in a much more up-to-date condition, also eliminates employing extra help for six or seven months each year.

#### REGISTRATION FEES

The following fees shall be paid upon the registration of each Motor Vehicle, in accordance with the provisions of the law:

For the registration of every Motorcycle, four dollars (\$4.00); for the registration of each Motor Vehicle a minimum of eight dollars (\$8.00) and fifty cents (50c) additional to reach one hundred (100) pounds; of weight of such cars in excess of two thousand (2,000) pounds; provided, that for Motor Vehicles equipped to carry more than seven persons the fee shall be twenty-five (\$25.00) dollars plus seven dollars (\$7.00) additional for each person which said car is equipped to carry and it shall be unlawful for the owner or driver of such Motor Vehicle at any time to carry or allow to be carried a greater number of persons than that on which the above fee has been paid; provided, however, that upon the registration of motor vehicles, equipped to carry more than seven (7) passengers and engaged entirely in transportation of passengers for hire, within municipalities or in and within a radius of three (3) miles thereof, the conditions and fees for such registration shall be fixed by the department of Public Works, such fee to be at the same rate as paid by trucks, assuming the gross weight to be computed by adding to the weight of the vehicle, the weight of the total passenger capacity, assuming the weight of each passenger to be one hundred fifty (150) pounds. For the registration of any trailer a minimum of one (\$1.00) dollar, and Fifty Cents (50c) additional for each one hundred (100) pounds in weight of such trailer in excess of one thousand (1,000) pounds gross weight. All trucks whose total weight when loaded to advertised capacity, is three thousand (3,000) pounds or less shall be classified as passenger cars and shall pay a registration fee of Eight Dollars (\$8.00) each. On trucks, the total weight of which

shall be more than three thousand pounds and not more than four thousand (4,000) pounds the registration fee shall be Fifteen Dollars (\$15.00); provided that for any truck which is used exclusively as a farm truck by the owner, and where the owner signs an affidavit to the effect that he will use such truck solely for such purposes, the County Treasurer shall furnish registration certificate and license plates carrying the letter "F" instead of the letter "T" as provided in this section, and shall charge for such registration a fee of Eight (\$8.00) dollars. This rate to apply only to farm trucks of not more than four thousand (4,000) pounds weight and for farm purposes both as herein defined. On trucks whose total weight shall exceed four thousand (4,000) pounds, the fee shall be fifteen dollars (\$15.00) for the first four thousand (4,000) pounds plus fifty cents (50c) for each one hundred (100) pounds weight in excess of four thousand (4,000) pounds. In computing the fee for trucks, the total weight shall include weight of chassis, body and cab plus the weight of the load when loaded to the advertised capacity.

The registration fees herein provided for shall be deemed occupation tax: Provided, no registration fee shall be charged for any motor vehicle owned by any city, or village of this state for the use of the police, fire or other department, nor for any motor vehicle owned and used by any school district, county, state or the United States Government: Provided, further, that the official registration year shall extend in each case from January 1st to December 31st, inclusive, of the calendar year for which registration is made; provided, however, if motor vehicle is purchased on or after April 1st, and before July 1st, the fee shall be seventy-five per cent (75%) of the annual fee; and after July 1st and on or before October 1st the fee shall be fifty per cent (50%) of the annual fee. If purchased on or after October 1st and on or before December 31st, the fee shall be twenty-five per cent (25%) of the annual fee as provided in this section: Provided, further, in case the question arises as to the weight of chassis, body and cab, the County Treasurer may demand scale weighing certificates; in the event no weighing certificate is presented, the County Treasurer shall determine the weight of the body and cab by adding thirty per cent (30%) of the advertised carrying capacity of the advertised chassis weight to determine the total weight of the truck.

#### UNLAWFUL MOTOR VEHICLES ON HIGHWAYS—PENALTY

No motor vehicle in excess of seven and one-half (7½) feet in width, or twelve (12) feet in height shall be operated on the system of state highways; nor shall any motor vehicle be so operated in which the limit of load per inch width of tire exceeds six hundred (600) pounds. No motor vehicle of which the weight of truck and load combined exceed seven thousand (7,000) pounds on any one wheel shall be operated on the system of state highways without the special permission of the Department of Public Works.

Any person violating any of the provisions of this section shall be deemed guilty of a misdemeanor and subject to a fine of not less than fifty (\$50.00) dollars, nor more than five hundred (\$500.00) dollars for each offense.

#### NON-RESIDENTS

The law of Nebraska is reciprocal, extending to non-residents who have complied with the laws of their state the same privilege that the visitor's state extends to Nebraska car owners.

This reciprocity agreement has reference to cars privately owned. Cars for hire, or trucks owned by a foreign corporation doing business in this state do not come under the agreement, neither does this agreement have reference to any car that may come from another state bearing a license of that state if the owner of said car becomes a resident of Nebraska.

## ANNUAL REPORT MOTOR VEHICLE DEPARTMENT

January 1, 1926 to December 31, 1926

County	REGULAR		TRUCKS		MOTORCYCLES		LOST PLATES		DEALERS	
	Fees	No.	Fees	No.	Fees	No.	Fees	No.	Fees	Pl'ts
Adams .....	\$ 54,383.65	6042	\$ 8,006.66	387	\$ 51.00	20	\$ 43.00	43	\$ 915.76	88
Antelope .....	34,442.00	4162	4,030.51	255	8.00	3	23.00	23	363.13	37
Arthur .....	2,219.13	283	772.75	54	.....	.....	1.00	1	23.50	2
Banner .....	3,683.66	445	2,783.35	170	.....	.....	5.00	5	.....	.....
Blaine .....	2,824.38	361	749.50	52	.....	.....	2.00	2	24.50	3
Boone .....	33,885.64	4090	4,653.13	306	11.00	3	36.00	36	336.01	31
Box Butte .....	19,972.24	2390	3,404.13	244	19.00	8	16.00	16	450.00	44
Boyd .....	15,647.09	1845	1,332.38	84	16.00	5	11.00	11	169.01	19
Brown .....	11,098.55	1348	1,295.51	88	9.00	3	7.00	7	157.25	13
Buffalo .....	58,734.73	6599	7,696.38	471	56.00	14	67.00	67	1,115.51	108
Burt .....	30,634.10	3600	5,024.26	297	30.00	10	17.00	17	307.13	26
Butler .....	35,477.96	4074	4,726.00	288	41.00	12	30.00	30	440.90	41
Cass .....	39,436.67	4491	6,507.66	374	41.00	11	30.00	30	504.89	43
Cedar .....	36,802.24	4274	4,546.19	237	16.00	6	32.00	32	433.00	37
Chase .....	12,152.68	1461	3,552.63	215	4.00	2	8.00	8	159.25	15
Cherry .....	15,899.77	1929	2,553.28	148	.....	.....	8.00	8	258.51	19
Cheyenne .....	22,012.54	2581	9,138.35	596	20.00	5	13.00	13	460.63	39
Clay .....	32,886.86	3711	2,584.25	175	26.00	8	12.00	12	333.50	28
Colfax .....	27,282.67	3130	6,066.90	336	12.00	4	37.00	33	368.50	37
Cuming .....	33,751.25	3916	6,613.88	397	10.00	3	27.00	28	459.38	33
Custer .....	57,309.86	6928	9,442.77	622	78.00	22	88.00	88	807.04	78
Dakota .....	17,922.89	2151	4,122.01	225	40.00	14	18.00	18	163.88	18
Dawes .....	19,587.58	2253	2,880.01	203	23.00	8	13.00	13	320.01	33
Dawson .....	40,665.82	4725	6,135.31	335	17.00	5	64.00	64	653.02	60
Deuel .....	9,308.45	1108	3,584.38	249	4.00	1	5.00	5	137.75	11
Dixon .....	25,286.09	3018	3,466.89	211	8.00	2	26.00	26	338.88	29
Dodge .....	61,762.66	7027	14,599.74	695	81.00	25	76.00	77	1,101.51	97
Douglas .....	410,981.59	44035	97,942.72	3965	1,163.50	407	573.00	680	5,664.89	457
Dundy .....	11,348.02	1362	3,257.38	207	9.50	3	5.00	5	230.00	20
Fillmore .....	32,784.08	3741	3,057.25	193	9.00	2	12.00	14	442.00	36
Franklin .....	19,048.64	2110	2,174.25	133	4.00	1	.....	.....	195.50	16
Frontier .....	17,967.71	2166	3,932.63	244	.....	.....	14.00	14	185.38	15
Furnas .....	28,672.24	3408	3,551.38	225	8.00	2	23.00	25	754.63	66
Gage .....	67,582.15	7691	8,326.14	504	77.00	22	34.00	34	898.76	92
Garden .....	10,238.62	1260	2,908.80	169	.....	.....	15.00	15	208.50	18
Garfield .....	7,087.38	876	542.75	42	3.00	1	10.00	10	81.75	7
Gosper .....	11,000.05	1343	1,736.25	121	1.00	1	8.00	8	46.00	4
Grant .....	2,943.54	337	287.25	18	.....	.....	1.00	1	59.00	5
Greeley .....	16,306.38	1971	1,194.00	79	16.00	5	6.00	6	177.50	19
Hall .....	61,571.18	6890	3,766.25	525	244.00	71	94.00	94	927.40	84
Hamilton .....	32,641.24	3753	3,500.39	229	13.50	5	24.00	24	407.50	36
Harlan .....	20,367.52	2427	2,402.00	158	22.00	9	17.00	17	379.75	34
Hayes .....	8,518.45	1065	3,428.65	215	.....	.....	17.00	17	86.50	5
Hitchcock .....	15,103.32	1853	3,251.63	208	2.00	1	13.00	13	146.88	12
Holt .....	28,839.39	2914	3,919.13	261	11.00	3	9.00	9	350.13	28
Hooker .....	2,929.53	357	399.50	27	.....	.....	1.00	1	103.38	10
Howard .....	24,273.35	2861	2,277.75	151	16.00	5	29.00	29	347.33	31
Jefferson .....	39,777.95	4640	4,241.01	270	35.00	9	26.00	26	555.00	63
Johnson .....	21,402.84	2558	2,708.38	173	15.00	5	22.00	22	310.38	27
Kearney .....	20,547.43	2379	1,799.15	120	15.00	4	17.00	17	221.25	20
Keith .....	14,499.79	1698	3,519.75	223	6.00	3	15.00	15	298.75	24
Keya Paha .....	5,914.79	756	1,313.14	91	.....	.....	5.00	5	47.38	4
Kimball .....	9,266.44	1130	3,905.88	273	15.00	5	11.00	12	91.50	10
Knox .....	39,618.52	4672	5,993.79	368	37.00	10	17.00	17	446.38	38
Lancaster .....	211,625.84	94284	34,315.69	1808	925.00	260	342.00	346	2,849.52	261

DEPARTMENT OF PUBLIC WORKS

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ANNUAL REPORT MOTOR VEHICLE DEPARTMENT

January 1, 1926 to December 31, 1926

App.	TRAILERS		TRANSFERS		LOST CERT.		REFUND		TOTALS	
	Fees	No.	Fees	No.	Fees	No.	Amount	No.	Plates	Fees
32	\$ 50.25	19	\$ 2,423.61	1452	\$ 80.00	80	\$ 181.19	33	8,075	\$ 65,953.93
37	33.00	16	1,059.06	813	29.00	29	.....	.....	5,338	39,987.70
2	.....	.....	117.38	88	3.00	3	.....	.....	431	3,136.76
.....	.....	.....	203.03	132	6.00	6	.....	.....	758	6,681.04
3	.....	.....	81.76	64	5.00	5	.....	.....	487	3,687.14
31	14.25	5	1,124.80	810	1.00	1	.....	.....	5,232	40,061.83
29	7.50	3	1,003.07	627	94.00	90	11.62	3	3,407	24,966.94
18	41.75	6	497.75	320	11.00	11	46.75	11	2,300	17,725.98
11	3.00	1	535.55	322	27.00	28	.....	.....	1,806	13,102.86
70	169.00	63	2,062.56	1194	43.00	45	.....	.....	8,523	69,884.18
26	45.75	17	1,154.96	796	48.00	48	25.31	4	4,811	37,321.20
33	43.50	15	984.70	652	59.00	59	.....	.....	5,163	41,815.06
48	13.13	7	1,457.97	946	50.50	50	71.19	17	5,957	48,041.32
27	17.25	8	1,168.52	797	29.00	28	144.25	31	5,409	43,044.20
15	4.50	2	369.17	225	6.00	6	.....	.....	1,934	16,256.23
19	.....	.....	598.25	369	46.00	48	5.00	1	2,521	19,363.81
39	25.50	12	1,129.00	661	100.00	103	4.00	1	4,010	32,889.02
28	42.00	18	746.24	518	19.00	20	64.50	12	4,488	36,599.85
37	10.00	24	960.59	610	39.00	37	.....	.....	4,197	34,786.66
26	9.75	5	1,095.34	703	44.00	48	22.00	5	5,131	42,010.60
78	88.50	43	2,296.35	1550	91.00	105	.....	.....	9,435	70,201.52
18	10.50	5	610.54	382	26.00	40	112.85	20	2,853	22,913.82
31	1.50	1	696.75	417	30.00	29	46.87	9	2,955	23,551.85
49	132.75	53	1,850.25	1197	170.00	179	92.00	20	6,657	49,678.15
11	3.00	2	389.71	243	.....	.....	.....	.....	1,620	13,433.29
29	7.00	3	677.54	456	23.00	23	79.50	18	3,768	29,833.40
47	55.00	23	3,166.44	1809	142.00	144	.....	.....	9,847	80,897.35
198	423.75	28	16,042.71	8386	3,070.00	2959	4,204.55	385	60,558	535,867.16
20	10.25	5	201.38	127	.....	.....	.....	.....	1,729	15,061.53
32	49.15	22	1,044.34	733	41.00	41	72.50	18	4,778	37,438.82
11	66.00	22	48.00	30	1.00	1	.....	.....	2,308	21,537.39
15	6.00	3	486.13	346	40.00	45	.....	.....	2,833	22,631.55
46	59.25	22	1,231.38	788	93.00	99	61.75	11	4,615	34,392.88
92	136.75	53	2,618.49	1608	219.00	219	358.52	79	10,223	79,892.29
18	5.25	3	532.20	337	30.00	30	3.00	1	1,832	13,938.46
7	3.00	1	296.85	216	11.00	10	.....	.....	1,163	8,035.73
4	22.50	10	376.68	245	7.00	7	.....	.....	1,739	13,257.48
5	.....	.....	89.84	62	8.00	7	9.50	1	430	3,388.63
19	4.50	2	336.75	261	15.00	15	.....	.....	2,358	18,056.13
44	42.00	19	2,612.50	1543	80.00	82	285.67	73	9,268	75,237.33
36	48.75	21	1,313.55	855	56.00	56	87.00	19	4,979	38,004.93
24	90.00	44	668.02	402	30.00	31	.....	.....	3,112	24,005.29
5	4.50	4	462.03	275	.....	.....	.....	.....	1,571	12,517.13
13	26.25	11	354.60	273	14.00	14	.....	.....	2,386	18,911.68
28	9.75	4	670.51	468	27.00	29	32.50	4	3,706	33,835.91
10	7.50	3	110.57	77	10.00	10	.....	.....	485	3,561.48
31	12.00	5	958.64	655	26.00	26	.....	.....	3,763	27,940.12
32	61.50	23	1,550.86	1094	32.00	32	111.38	26	6,126	46,279.32
25	16.50	6	837.94	563	32.00	31	34.25	5	3,383	25,345.04
14	151.00	59	670.70	447	53.00	53	25.75	6	3,093	23,474.53
24	4.50	3	492.03	322	12.00	10	69.00	14	2,298	18,847.82
4	9.00	3	235.29	156	3.00	4	3.00	1	1,019	7,527.60
10	2.25	1	366.41	226	21.00	21	.....	.....	1,678	13,679.48
29	12.00	6	1,214.61	797	78.00	78	87.75	16	5,977	47,417.30
261	338.10	96	10,016.44	6393	1,548.00	1628	1,703.91	352	33,976	261,960.59

## ANNUAL REPORT MOTOR VEHICLE DEPARTMENT

January 1, 1926 to December 31, 1926

County	REGULAR		TRUCKS		MOTORCYCLES		LOST PLATES		DEALERS	
	Fees	No.	Fees	No.	Fees	No.	Fees	No.	Fees	Pl'ts
Lincoln .....	46,745.65	5455	7,077.64	465	65.00	19	67.00	67	811.13	82
Logan .....	4,409.20	543	427.25	33	.....	.....	3.00	3	44.50	4
Loup .....	4,119.65	450	633.00	42	.....	.....	5.00	5	20.00	2
Madison .....	53,656.46	6018	11,129.61	558	35.00	11	35.00	35	729.13	60
McPherson .....	2,291.63	297	943.25	63	.....	.....	3.00	3	25.00	2
Merrick .....	25,349.60	2950	4,051.88	243	12.00	4	24.00	24	257.39	23
Morrill .....	17,336.35	2184	2,791.55	193	11.00	3	34.00	34	279.88	28
Nance .....	20,556.32	2469	2,688.01	176	29.00	8	15.00	15	250.76	23
Nemaha .....	28,887.75	3319	4,069.90	257	33.00	9	17.00	17	378.75	34
Nuckolls .....	29,471.14	3392	2,478.88	167	4.00	1	11.00	11	310.38	28
Otoe .....	45,839.66	5399	9,533.29	655	32.00	8	21.00	21	588.25	48
Pawnee .....	40,266.57	2513	2,643.53	167	21.00	8	11.00	11	202.00	20
Perkins .....	13,316.18	1516	4,635.57	306	4.00	1	13.00	13	166.00	14
Pheips .....	25,841.84	2981	4,201.25	275	61.00	18	27.00	27	271.50	23
Pierce .....	26,356.26	3150	3,164.64	213	29.00	9	23.00	23	306.63	29
Platte .....	47,577.67	5370	8,246.90	495	61.00	17	45.00	45	691.38	63
Polk .....	25,891.59	3015	4,497.64	284	3.00	1	20.00	20	329.00	27
Red Willow .....	29,794.45	3462	6,286.49	363	21.00	8	67.00	57	803.01	76
Richardson .....	43,790.14	4901	7,520.28	432	28.00	7	30.00	30	409.50	35
Rock .....	6,219.65	797	1,237.63	88	.....	.....	2.00	4	63.50	6
Saline .....	39,695.93	4530	6,127.51	395	32.00	9	28.00	28	517.01	41
Sarpy .....	22,702.70	2660	4,712.64	281	82.00	22	26.00	26	247.13	21
Saunders .....	51,587.86	5971	8,503.38	527	26.00	7	35.00	36	646.00	59
Scotts Bluff .....	52,330.79	6417	9,511.90	711	30.00	7	151.00	152	868.26	78
Seward .....	39,456.78	4494	4,853.53	314	32.00	10	30.00	30	470.38	50
Sheridan .....	20,274.55	2419	3,900.78	217	4.00	1	13.00	15	332.88	33
Sherman .....	20,067.53	2379	1,678.75	118	13.00	5	26.00	26	305.25	27
Sioux .....	6,489.90	800	1,497.75	106	2.00	1	6.00	6	39.00	5
Stanton .....	18,321.30	2104	4,080.88	233	12.00	4	14.00	14	82.00	6
Thayer .....	32,886.75	3834	3,647.76	212	11.00	2	27.00	26	545.75	57
Thomas .....	2,362.90	305	228.25	21	.....	.....	.....	.....	29.50	4
Thurston .....	16,241.25	1992	2,771.14	159	3.00	2	25.00	25	203.37	18
Valley .....	21,039.08	2465	3,103.88	198	16.00	4	22.00	22	267.76	25
Washington .....	29,617.70	3523	5,641.13	319	16.00	5	39.00	39	207.00	21
Wayne .....	27,897.73	3276	5,527.39	305	26.00	8	31.00	31	154.50	16
Webster .....	23,554.86	2725	2,491.50	170	21.00	7	12.00	12	399.88	35
Wheeler .....	4,262.15	639	1,145.00	75	.....	.....	1.00	1	4.50	1
York .....	41,659.48	4776	4,840.73	274	48.25	15	37.00	37	706.50	58
Totals .....	\$2,956,116.14	337989	\$507,574.38	28784	\$4,102.75	1269	\$3,048.00	3071	\$40,298.80	3610



**ANNUAL REPORT MOTOR VEHICLE DEPARTMENT**  
**January 1, 1926 to December 31, 1926**

App.	TRAILERS		TRANSFERS		LOST CERT.		REFUND		TOTALS	
	Fees	No.	Fees	No.	Fees	No.	Amount	No.	Plates	Fees
61	37.50	16	2,243.45	1327	310.00	309	144.00	30	7,719	57,357.37
4	7.50	2	189.20	128	5.00	5	.....	.....	718	5,085.65
2	.....	.....	148.16	113	2.00	3	.....	.....	615	4,927.81
39	51.50	21	1,907.68	1157	61.00	67	.....	.....	7,966	67,605.88
2	.....	.....	103.50	73	3.00	3	215.50	14	440	3,369.88
23	27.00	11	904.30	607	33.00	33	77.75	16	3,925	30,659.17
28	37.00	7	1,066.24	678	79.00	79	.....	.....	3,206	21,635.02
23	21.75	9	729.53	519	25.00	30	42.63	7	3,249	24,315.37
28	7.50	3	1,188.80	755	66.00	66	10.00	2	4,454	34,648.70
20	11.25	6	1,036.58	714	30.00	27	50.00	14	4,338	33,353.23
48	30.75	12	1,796.07	1206	46.00	46	.....	.....	7,295	57,887.02
14	21.75	9	936.09	457	6.00	8	.....	.....	3,187	43,807.94
14	20.50	7	565.68	343	51.00	52	.....	.....	2,252	18,771.93
16	400.96	111	894.10	587	10.00	10	66.00	15	4,025	31,707.65
20	15.75	6	841.50	623	36.00	36	26.75	7	4,080	30,772.78
37	22.50	9	1,639.68	1015	204.00	180	.....	.....	7,168	58,488.13
19	15.75	6	928.28	672	8.00	8	35.00	7	4,025	31,693.26
46	29.25	12	1,150.49	665	148.00	143	214.81	49	4,756	38,239.69
28	185.50	54	1,505.55	993	57.00	55	.....	.....	6,499	53,525.97
6	15.75	5	139.15	109	8.00	8	.....	.....	1,017	7,705.68
39	60.00	23	1,399.65	922	53.00	53	336.75	44	5,999	47,913.10
21	3.00	1	810.18	441	48.00	50	134.37	29	3,502	28,631.65
59	27.50	10	1,540.76	951	97.00	105	.....	.....	7,666	62,463.50
78	41.25	20	3,124.49	1884	346.00	351	326.19	78	9,620	66,403.69
40	73.50	28	1,556.00	1048	57.00	57	19.00	5	6,021	46,523.19
26	3.00	1	820.85	507	33.00	39	.....	.....	3,224	24,482.06
22	17.25	8	680.70	441	50.00	56	4.00	1	3,064	22,828.48
5	.....	.....	242.99	154	8.00	8	.....	.....	1,080	8,285.64
6	.....	.....	419.19	301	22.00	22	.....	.....	2,684	22,951.37
35	67.50	31	1,361.46	920	35.00	34	31.50	7	5,094	38,582.22
4	.....	.....	59.67	50	8.00	9	.....	.....	380	2,688.32
18	.....	.....	494.88	325	16.00	16	.....	.....	2,537	19,754.64
24	22.50	10	897.07	545	46.00	30	.....	.....	3,298	25,414.29
21	14.25	5	1,043.19	710	184.00	184	.....	.....	4,806	36,762.27
15	10.00	5	832.00	576	16.00	18	20.50	3	4,234	34,495.12
35	38.25	15	797.63	542	26.00	27	70.31	17	3,533	27,341.12
1	21.00	8	164.89	111	6.00	6	.....	.....	841	5,604.54
57	144.75	56	1,808.29	1207	56.00	56	.....	.....	6,478	49,301.00
2834	\$3,976.59	1342	\$111,907.26	69206	\$9,073.00	8969	\$9,882.12	2041	453,483	\$3,636,036.92
									2,041	9,832.12
							Less Refunds	461,442		\$3,626,214.80

**ANNUAL REPORT MOTOR VEHICLE DEPARTMENT**  
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County	REGULAR		TRUCKS		BUSES		MOTOR CYCLES		TRAILERS	
	Fees	No.	Fees	No.	Fees	No.	Fees	No.	Fees	No.
Antelope	35,513.13	4219	4,476.64	287			10.00	3		22.50
Arthur	2,476.14	308	1,055.63	73						
Adams	56,851.79	6327	7,065.28	372	2,062.00	13	74.00	23	48.00	
Banner	4,215.54	495	3,287.38	202			2.00	1		
Blaine	3,006.50	386	789.75	53						
Boone	34,303.46	4066	4,766.64	306						9.00
Box Butte	23,486.32	2758	4,326.63	316			16.00	6		21.75
Boyd	15,056.26	1472	1,708.40	103			26.00	7		20.25
Brown	11,799.83	1389	1,773.50	114			6.00	2		11.00
Buffalo	59,268.48	6426	9,062.90	562	137.00	1	81.00	20		269.39
Burt	31,837.93	3766	5,389.90	321			28.00	8		50.00
Butler	36,438.00	4152	5,350.75	333			27.00	10		34.75
Cass	39,856.00	4577	7,050.96	418	88.00	1	55.00	17		9.75
Cedar	36,173.36	4197	4,921.09	254			26.00	8		18.50
Chase	11,320.05	1368	3,194.88	208			6.00	2		18.00
Cherry	17,136.53	1996	3,072.70	180			10.00	3		13.00
Cheyenne	24,845.62	2838	10,403.14	672	102.00	3	10.00	3		46.05
Clay	32,272.36	3725	3,038.25	214	116.00	1	37.00	10		69.75
Colfax	28,987.61	3301	7,038.15	388			14.00	2		26.25
Cuming	28,889.50	3207	6,096.00	359			8.00	2		3.00
Custer	58,019.71	6866	9,475.80	635			49.00	14		120.25
Dakota	18,637.72	2177	3,508.03	205	288.00	2	35.00	12		10.25
Dawes	19,860.28	2248	3,035.64	221			18.00	5		2.25
Dawson	42,320.36	4884	6,728.64	423			16.00	6		283.00
Deuel	9,967.66	1166	4,158.63	290			3.00	1		28.75
Dixon	24,272.98	2586	3,631.40	209	144.00	1	2.00	1		5.25
Dodge	65,211.62	7327	14,601.92	783	2,872.50	16	77.00	24		156.50
Douglas	421,260.96	44637	98,317.46	4009	3,523.00	18	1,007.50	286		380.00
Dundy	10,087.13	1192	2,893.64	192						6.00
Fillmore	32,811.52	3780	3,492.25	223			10.00	4		72.25
Franklin	22,112.90	2551	2,759.25	181			7.00	2		102.50
Frontier	17,891.80	2202	3,875.14	248						20.25
Furnas	27,858.22	3289	3,454.00	221			11.00	2		79.00
Gage	68,732.25	7837	8,895.27	551	762.00	5	59.00	18		173.25
Garden	11,388.92	1320	3,268.01	222			1			6.00
Garfield	7,389.39	903	748.25	53			11.00	4		5.50
Gosper	10,656.60	1295	1,806.88	125			4.00	1		19.75
Grant	3,344.52	378	275.00	17						
Greely	15,934.29	1876	1,364.91	95			12.00	3		10.50
Hall	63,937.85	6574	8,951.60	557	1,253.00	8	202.00	61		78.25
Hamilton	32,300.27	3730	3,726.38	243		3	30.00	9		113.00
Harlan	19,465.70	2292	2,286.63	157	81.75	1	13.00	4		101.75
Hayes	7,584.10	922	3,073.50	196						10.00
Hitchcock	14,251.81	1757	3,305.29	220			8.00	3		37.50
Holt	29,725.31	3621	5,127.51	325			11.00	3		11.50
Hooker	3,175.41	386	566.75	37			5.00	1		7.75
Howard	25,045.46	2931	2,924.26	199			27.00	9		36.00
Jefferson	39,800.22	4593	4,576.13	300			16.00	5		71.00
Johnson	21,938.90	2619	3,137.25	195			30.50	10		30.75
Kearney	20,414.33	2384	2,181.88	142			7.00	3		260.75
Keith	14,318.11	1694	4,408.89	312			14.00	4		5.00
Keya Paha	6,040.26	755	1,605.63	107						30.25
Kimball	10,481.92	1286	5,767.02	437			12.00	5		11.50
Knox	39,194.04	4624	6,210.52	388			20.00	5		15.75
Lancaster	228,041.66	24783	34,639.54	1883	3,471.00	28	706.00	207		349.50

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DEALERS			TRANSFERS		LOST PLTS		LOST CER.		REFUND		TOTALS		
Fees	Pl't's	App.	Fees	No.	Fees	No.	Fees	No.	Amt.	No.	Pl't's	Regis.	Fees
1,085.38	97	42	\$ 2,333.73	1569	\$ 65.00	66	\$ 52.00	51	\$ 75.67	20	6795	8481	\$ 69,637.68
445.75	37	37	1,053.31	640	62.00	62	33.00	33	.....	.....	4558	5293	41,616.33
45.00	3	3	94.93	52	.....	.....	13.00	13	.....	.....	384	449	3,684.70
.....	.....	.....	297.59	152	7.00	7	7.00	7	.....	.....	698	864	7,816.51
34.00	3	3	59.63	55	2.00	2	.....	.....	.....	.....	442	499	3,891.88
386.38	35	35	812.61	524	56.00	55	2.00	2	.....	.....	4400	4981	40,335.00
637.63	63	45	1,212.38	701	66.00	66	167.00	167	147.31	30	3136	4070	29,933.71
197.25	20	20	336.95	226	4.00	4	21.00	20	.....	.....	1610	1860	17,370.11
185.00	15	10	381.43	219	18.00	18	40.00	40	5.25	1	1520	1797	14,214.81
1,080.50	96	65	1,801.23	1048	64.00	64	107.00	111	.....	.....	7171	8394	71,871.55
328.63	28	28	1,038.39	655	29.00	29	77.00	76	7.00	2	4141	4901	38,778.85
419.50	38	38	965.13	652	33.00	33	42.00	42	.....	.....	4546	5273	43,310.13
548.51	56	56	1,271.28	756	37.00	37	72.00	72	126.06	27	5075	5940	48,988.50
428.50	36	29	897.64	1072	45.00	45	41.00	40	69.81	19	4496	5653	42,556.09
106.25	11	11	286.02	198	7.00	7	11.00	11	.....	.....	1596	1812	14,949.20
346.75	24	24	590.79	350	8.00	8	89.00	90	4.00	1	2210	2658	21,266.77
554.75	54	54	1,204.40	699	55.00	55	98.00	96	.....	.....	3594	4444	37,318.96
356.76	32	32	1,041.81	684	17.00	17	30.00	35	36.50	7	4011	4747	36,978.93
457.25	40	40	919.71	540	24.00	24	87.00	88	.....	.....	3742	4394	37,553.97
448.00	33	21	142.50	84	6.00	6	4.00	6	15.00	1	3590	3686	35,597.00
900.25	89	89	2,000.43	1275	78.00	79	124.00	133	.....	.....	7665	9152	70,767.45
208.00	19	12	404.18	261	14.00	14	25.00	28	126.81	20	2416	2719	23,130.18
458.50	41	41	715.06	415	38.00	38	23.00	25	16.69	4	2516	2994	24,150.73
594.91	58	45	1,443.37	863	63.00	63	136.00	142	169.00	37	5497	6565	51,585.23
192.00	18	18	325.76	196	21.00	21	8.00	8	.....	.....	1484	1709	14,704.80
359.25	32	32	372.33	256	33.00	33	13.00	13	.....	.....	2831	3133	28,833.21
1,102.25	91	40	2,755.45	1567	77.00	77	168.00	165	.....	.....	8216	10025	87,022.24
5,816.89	457	183	14,804.33	7305	593.00	599	2,967.00	2923	2,831.72	587	49166	59993	548,670.14
137.50	12	12	235.87	160	.....	.....	3.00	3	.....	.....	1399	1562	13,368.14
395.50	34	31	955.35	626	17.00	17	51.00	54	111.76	22	4072	4768	37,804.87
282.00	25	18	520.12	361	4.00	4	9.00	9	7.50	1	2788	3162	25,796.77
185.00	19	19	482.79	358	14.00	14	71.00	71	.....	.....	2476	2919	22,539.98
718.50	61	44	827.14	544	23.00	27	95.00	101	54.26	11	3584	4256	33,065.86
970.01	94	94	2,169.99	1297	46.00	46	283.00	283	216.75	46	8565	10191	81,590.77
238.50	21	21	513.07	286	14.00	14	33.00	33	8.88	2	1566	1899	15,461.50
120.00	11	11	273.44	169	14.00	14	6.00	6	.....	.....	973	1162	8,567.58
74.25	6	6	293.40	196	4.00	4	11.00	11	.....	.....	1435	1646	12,869.88
86.50	7	7	111.68	68	1.00	1	5.00	5	.....	.....	402	476	3,823.70
245.75	26	26	195.15	136	19.00	19	15.00	15	.....	.....	2004	2174	17,796.60
1,068.65	97	48	2,724.61	1625	136.00	137	136.00	140	468.55	91	7291	9193	78,492.96
412.00	34	34	1,183.03	775	30.00	30	49.00	49	40.50	11	4065	4919	37,843.68
315.13	31	23	549.08	352	20.00	20	21.00	21	.....	.....	2514	2907	22,854.04
55.00	4	4	180.50	133	5.00	5	3.00	3	.....	.....	1127	1268	10,911.10
163.50	14	14	283.64	216	.....	.....	24.00	24	18.00	5	2007	2247	18,073.74
466.63	34	34	617.28	410	6.00	6	30.00	32	23.50	5	3986	4434	35,996.23
202.00	14	14	113.27	71	5.00	5	23.00	23	.....	.....	442	541	4,098.18
360.25	33	33	705.81	474	31.00	32	20.00	21	.....	.....	3185	3712	29,149.78
645.01	65	45	1,660.94	1075	37.00	37	70.00	70	54.00	12	4984	6166	46,876.30
356.88	34	31	634.50	443	19.00	19	25.00	25	62.25	9	2869	3356	26,172.78
245.75	24	20	631.06	437	14.00	14	49.00	49	10.75	3	2648	3148	23,803.77
277.50	21	21	413.82	268	15.00	15	24.00	24	34.75	7	2034	2341	19,476.32
60.00	4	4	133.19	96	2.00	2	5.00	5	.....	.....	879	981	7,876.33
148.45	14	14	464.17	276	10.00	10	26.00	25	.....	.....	1744	2055	16,921.06
477.13	42	35	902.47	607	24.00	24	83.00	84	65.25	13	5058	5773	46,926.91
2,917.25	258	251	8,244.27	4811	398.00	401	1,564.00	1568	.....	.....	27282	34062	280,330.22

**ANNUAL REPORT MOTOR VEHICLE DEPARTMENT**  
**Lincoln, Nebraska, January 1 to December 31, 1927**

County	REGULAR		TRUCKS		BUSSES		MOTOR CYCLES		TRAILER	
	Fees	No.	Fees	No.	Fees	No.	Fees	No.	Fees	No.
Lincoln .....	41,842.31	4807	7,457.89	505	131.00	1	24.00	8	52.25	
Logan .....	4,360.25	530	455.00	35						
Loup .....	3,816.78	478	1,360.50	63						
Madison .....	57,597.23	6396	11,947.79	666	\$50.00	7	71.00	23	50.50	
McPherson .....	2,812.14	345	940.25	62					8.25	
Merrick .....	26,219.86	3067	5,604.13	293			4.00	1	26.75	
Morrill .....	20,135.54	2417	3,841.32	245			11.00	3	39.50	
Nance .....	21,039.70	2519	3,045.89	189			28.00	8	39.75	
Nemaha .....	29,750.00	3408	4,295.90	275			24.00	8	8.50	
Nuckolls .....	28,745.92	3340	2,665.13	173			6.00	2	14.25	
Otoe .....	47,079.24	5503	9,578.66	574		1	40.00	11	30.00	
Pawnee .....	22,044.08	2600	2,644.77	164			38.00	11	27.00	
Perkins .....	13,042.73	1514	5,353.15	380					49.00	
Phelps .....	25,484.47	2905	4,100.38	270			45.00	16	417.75	1
Pierce .....	27,228.13	3215	3,704.38	235			20.00	5	5.50	
Platte .....	49,086.39	5588	8,759.79	542	965.00	5	40.00	13	22.00	
Polk .....	26,935.62	3108	5,415.77	352			15.00	6	36.75	
Red Willow .....	28,379.63	3304	5,163.93	327	109.00	1	33.00	12	17.25	
Richardson .....	45,163.37	5012	6,804.38	422	95.00	1	31.00	9	163.25	
Rock .....	6,029.64	769	1,476.25	99			3.00	1	18.00	
Saline .....	41,247.79	4701	7,216.27	477			21.00	6	42.75	
Sarpy .....	23,206.43	2730	5,704.88	321		1	70.00	22	8.50	
Saunders .....	53,557.76	6135	9,310.64	572			48.00	15	21.00	
Scotts Bluff .....	59,837.08	7119	12,201.02	820	202.25	2	46.00	12	39.25	
Seward .....	40,986.81	4645	5,787.14	360	281.00	4	60.00	19	108.00	
Sheridan .....	23,268.64	2718	3,857.08	277			14.00	5	11.75	
Sherman .....	19,068.29	2187	1,823.13	120			10.00	3	56.25	
Sioux .....	7,389.41	876	2,001.88	135			4.00	1		
Stanton .....	19,620.61	2281	4,606.13	270			8.00	2	15.00	
Thayer .....	32,613.51	3774	3,629.80	230	116.00	1	3.00	1	114.00	
Thomas .....	2,716.26	344	374.25	31						
Thurston .....	16,910.09	2078	2,814.25	169			17.00	4	5.50	
Valley .....	21,796.21	2506	3,529.50	224	292.00	4	12.00	4	11.25	
Washington .....	30,724.49	3558	6,066.01	348			19.00	6	3.50	
Wayne .....	28,865.88	3358	4,895.02	284	253.00	2	28.00	8	8.00	
Webster .....	23,122.26	2646	2,605.38	174			22.00	8	70.75	
Wheeler .....	4,465.39	553	1,285.50	84			2.00	1	12.50	
York .....	43,205.28	4895	4,593.75	300	998.00	7	53.00	16	183.00	
Totals .....	\$3,016,631.81	342357	\$539,164.36	31411	\$19,197.50	144	\$3,728.00	1109	\$5,079.69	182

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DEALERS			TRANSFERS		LOST PLTS		LOST CER.		REFUND		TOTALS		
Fees	Plt's	App.	Fees	No.	Fees	No.	Fees	No.	Amt.	No.	Plt's	Regis.	Fees
892.76	84	56	1,695.51	1063	61.00	61	314.00	317	104.25	19	5396	6837	52,470.72
9.50	1	1	98.35	73	5.00	6	4.00	4	.....	.....	566	648	4,932.10
17.50	2	2	110.89	89	3.00	3	2.00	2	.....	.....	543	637	5,310.67
698.00	58	38	1,906.59	1138	52.00	52	144.00	149	.....	.....	7148	8487	73,317.11
25.00	2	2	90.25	65	2.00	2	7.00	6	.....	.....	412	485	3,884.89
268.88	26	26	791.03	516	35.00	35	54.00	57	78.87	19	3398	4009	33,006.65
427.50	38	38	1,077.27	623	32.00	32	176.00	174	.....	.....	2718	3547	25,739.13
276.13	24	24	638.86	443	19.00	19	28.00	30	27.00	6	2753	3245	25,115.33
426.75	39	26	999.50	603	14.00	15	97.00	86	.....	.....	3729	4433	35,615.65
331.38	33	24	937.23	602	17.00	17	48.00	48	42.00	9	3550	4217	32,764.91
625.26	53	53	1,508.57	952	31.00	31	71.00	76	121.00	24	6153	7212	58,958.73
243.50	22	16	747.22	550	3.00	3	44.00	39	23.50	5	2801	3393	25,791.57
222.75	18	18	411.69	234	12.00	12	24.00	24	.....	.....	1931	2201	19,115.32
269.75	24	20	787.74	543	22.00	22	51.00	48	45.25	12	3322	3935	31,178.09
365.75	31	21	850.00	522	43.00	45	93.00	97	42.50	9	3479	4143	32,309.76
675.13	63	35	1,476.89	885	64.00	65	187.00	147	.....	.....	6193	7290	61,276.20
343.38	29	24	878.98	594	36.00	36	25.00	25	41.00	8	3505	4160	33,686.50
798.00	70	49	983.45	600	43.00	43	178.00	184	293.99	54	3705	4532	35,705.26
436.50	40	30	1,451.49	902	62.00	62	106.00	101	.....	.....	5529	6594	54,312.99
83.50	6	6	129.41	88	2.00	2	4.00	4	.....	.....	881	975	7,745.80
624.25	52	52	1,212.28	813	32.00	33	53.00	53	64.25	13	5251	6150	50,449.34
195.75	16	14	664.43	383	22.00	22	43.00	43	143.00	22	3090	3538	29,914.99
753.00	65	65	1,421.96	801	39.00	39	103.00	128	.....	.....	6795	7763	65,254.36
1,092.40	91	90	2,962.20	1711	149.00	149	580.00	585	418.75	88	8061	10506	77,109.20
437.13	44	32	1,383.89	844	41.00	41	60.00	60	.....	.....	5105	6050	49,144.97
649.14	62	48	1,020.04	586	35.00	36	57.00	58	.....	.....	3053	3733	28,912.65
308.00	26	24	289.81	182	6.00	6	12.00	12	21.50	6	2355	2555	21,593.48
66.50	7	7	228.19	140	7.00	7	7.00	8	.....	.....	1019	1174	9,703.98
127.50	9	9	452.91	340	11.00	11	41.00	41	.....	.....	2567	2959	24,882.15
597.01	61	41	1,070.05	705	22.00	22	38.00	38	4.00	1	4087	4852	38,203.37
52.50	5	5	72.18	48	3.00	3	11.00	11	.....	.....	380	442	3,229.19
246.00	20	20	488.66	326	15.00	16	21.00	22	.....	.....	2272	2636	20,517.50
365.00	33	29	726.91	456	29.00	29	30.00	30	.....	.....	2771	3286	26,791.87
230.00	22	22	986.50	616	37.00	37	107.00	107	.....	.....	3936	4696	38,178.59
203.50	19	19	857.57	526	37.00	37	15.00	17	48.81	8	3675	4255	35,162.97
332.00	28	28	651.54	437	7.00	7	12.00	12	24.00	6	2882	3338	26,822.93
19.00	2	2	136.89	102	.....	.....	7.00	7	.....	.....	645	754	5,931.28
834.25	69	69	1,434.51	907	42.00	42	56.00	56	.....	.....	5360	6365	51,499.79
\$43,918.84	3859	3052	\$99,208.64	60290	\$3,524.00	3548	\$10,100.00	10097	\$6,351.18	1303	379901	453326	\$3,740,562.84

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**REPORT OF BUREAU OF IRRIGATION,  
WATER POWER AND DRAINAGE**

**DIVISION OF IRRIGATION  
DIVISION OF STATISTICS**

**Division of Water Power and Drainage  
Division of Hydrography and Surveys**

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**Division of Irrigation**



### WATER DIVISIONS AND WATER DISTRICTS

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

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

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

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

Bridgeport, Nebraska.  
November 30, 1928.

Mr. R. L. Cochran,  
State Engineer and Secretary,  
Department of Public Works,  
Lincoln, Nebraska.

Dear Sir:

Pursuant to the usual custom, I have the honor of reporting to you the activities of the Bureau of Irrigation, Water Power and Drainage, for the biennium ending November 30, 1928.

#### Water Supply

There was no unusual shortage of water in any of the streams during the 1927 season. Conditions were similar for all the streams during the 1928 season, with the exception of the Platte River basin. The flow of the North Platte River at Mitchell for August was 70 percent of normal and about 82 percent for September. 170,000 acre feet of water passed Overton in the Platte River in the months of August and September 1928 and 412,000 acre feet in 1927. Although the water supply was limited in 1928, between August 25th and September 5th, no crops under irrigation were reported injured.

The Pathfinder reservoir overflowed in 1927 from June 6th to July 10th, and 1928 from May 15th to July 16th.

#### New Projects

Since the publication of the last Biennial, one large project was constructed to completion. This project is known as the Thirty Mile Canal. The details of its development are given by the Superintendent of the project in another part of this report.

The Paxton Irrigation District completed its organization July 5, 1927, and has an appropriation of water from the South Platte River to reclaim approximately 4900 acres. The water users of this district intend to practice fall and spring irrigation since the flow of the South Platte River is very low or dry in the summer months. The canal will be twenty-one miles in length, and is about 60 percent completed on November 30, 1928.

There were sixty-two pumping permits for irrigation granted covering six thousand eight hundred eighty acres of land.

### Water Administration

No difficulty was experienced in the administration of the available water supply during the 1927 season. However, the supply was limited between August 20th and September 5th, 1928. During that period complaints were made to the Department by project managers east of North Platte. Practically no rain had fallen since August 5th in the entire length of the valley. Projects were diverting water up to the limit of their capacities west of North Platte. On the 27th of August all canals having priority dating later than December 22, 1894 were ordered closed. All others were ordered to reduce the amount of water diverted to one second foot for each seventy acre irrigated. Arrangements were made to carry sixty second feet of water for the Kearney project through the Dawson County Canal via Buffalo Creek. During the period of limited supply, no water for the Kearney Canal (oldest right on the river) was carried in the river beyond the City of Cozad.

In our efforts to reduce all canal diversions to one second foot for each seventy acres irrigated, the Farmer's Irrigation District on the 27th of August secured from the Court a restraining order preventing the Department from reducing the amount of water they were taking. The legal amount they were entitled to divert during this period of shortage was 1291 second feet. They were diverting in the aggregate 1510 second feet on the 27th of August. A temporary injunction was granted in the District Court of Scotts Bluff County, preventing the Department from reducing the flow from 1510 second feet to 1291 second feet, or in any way interfere with diversion of water by the district.

### Water Commissioners

The demand for the services of Water Commissioners has increased in the same ratio as the irrigated area which was increased 38% in the last eight years.

During the present biennium Water Commissioners were not available for service except in a few instances. In some of the Water Commissioners' district there are vacancies and in other districts they were engaged in more remunerative work.

The services have been sought only when there was a shortage of water for the reason that funds appropriated have been insufficient for several years. The salary should be raised sufficiently to attract desirable men for this work.

### Observers

We have ten observers engaged in reporting the gage heights at the following stations:—Torrington, Mitchell, Minatare, Oshkosh, North Platte, (Two Stations) Julesburg, Overton and Columbus (Two Stations).

Automatic recorders are maintained at Mitchel, Bridgeport, North Platte and Julesburg.

### Hydrography

The hydrographical work carried on in Nebraska has resulted in considerable accumulation of valuable data concerning the flow of nearly all the streams in the State.

Two Hydrographers were employed throughout the past year, making stream measurements in the winter as well as the summer season and one office man is used part time in the summer on hydrographical work and checking current meter notes. The measurements are made on all streams at such points that were deemed important. The measurements on streams having gaging stations and observers were used as a basis for determining the daily flow and are published elsewhere in this report. Measurements and daily discharges of canals have been tabulated and it is the desire of the Department to publish this valuable data in a hydrographical report, at an early date. From September 30, 1926 to September 30, 1928, 7403 measurements were made at a cost of \$2.35 per gaging.

### Future Supply

That the water resources of the State may be ultimately developed to the utmost, substantial investigations should be carried on year after year for the purpose of acquiring data to be used, not only for administering the distribution but for studies of the water supply.

The return water, run-off and consumptive use are essential factors in determining the water supply available for the future.

Hydro-electric power is promising to be an important industry throughout the State. Its possibilities are very uncertain without knowledge of the future water supply. This knowledge can not be had without continuous records, covering a long period of years, of the flow of all the important streams of the State. The State is at this time facing interstate stream problems, particularly the Platte River basin in which the states of Colorado and Wyoming are interested.

### Hearings

Hearings were held on sixty three appropriations which the field engineers reported non-use of water for periods of more than five years. An order of cancellation was entered on each project from which no appeal was taken.

A hearing was held upon complaint entered regarding the non-use of water appropriated under Application Number 1284 and Application Number 1285, known as the Oliver Brothers' appropriations, diverting

water from the Frenchman River. The department dismissed the hearing and held that the appropriations were in force. This case was appealed and is now in District Court.

### General Summary

Stream and Canal Measurements.....	7403
Applications Filed.....	180
Water Appropriation Permits.....	153
Water Appropriations Canceled.....	135
Applications Dismissed.....	11
Applications Pending.....	43
Hearing Held.....	70
Relocation Permits.....	11
Water Power Leases.....	4
Deeds Recorded.....	53
Irrigation District Organized.....	2
Water Appropriations Adjudicated.....	2
Drainage District Organized.....	2
Maps Approved.....	179
Field Inspections.....	384
Fees Collected:	
Applications, Dam Plans, Leases, Deeds, Reports and Copying Records.....	\$3092.45

### Recommendations

It is imperative that a cable gaging station, equipped with an automatic recorder be installed near the Wyoming-Nebraska Line, and perhaps it will be necessary to employ an Observer at this station. Also, an automatic recorder should be installed at Overton.

A hydrographical report should be published to include all the measurements made in Nebraska on streams and canals since 1914, the date of the last report published. The data accumulated in the past 14 years is too valuable to be kept from the public.

Respectfully submitted,

R. H. WILLIS, Chief,

Bureau of Irrigation, Water Power and Drainage.

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**Division of Statistics**

### CLAIMS AND APPLICATIONS

The following tables give a complete list of all claims and applications for water granted by the Department of Public Works and which have not been cancelled; also all claims of records, and applications pending.

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

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

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Akers Draw (No. Platte R.)	Enterprise Irr. Dist.	Scottsbluff	Nelson Canal	O. D.		13	23	57	Scotts Bluff	May	21	1913	920	1290
Atkins Drain (No. Platte R.)	Atkins, A. W.	Bridgeport	Atkins Canal	O. D.		15	19	49	Morrill	Mar.	27	1916	828	1450
Ash Creek	Gilliard, George	Lewellen	Gilliard Canal	Irrig.	1.43	3	16	42	Garden	Dec.	31	1899	812	.....
Bayard Sugar Fcty. Drain (No. Platte R.)	Alliance Irr. Dist.	Bridgeport	Alliance Canal	O. D.		5	20	52	Morrill	Aug.	13	1925	874	1776
Beaver Creek	C. B. & Q. R. R. Co.	Lincoln	C. B. & Q. Water Supply	Steam	1.00	8	12	14	Buffalo	July	26	1919	.....	1550
Beaver Creek	Yanda, Geo. J.	Ravenna	Yanda Pump	Irrig.	.90	2-9	12	14	Buffalo	Apr.	4	1927	.....	1920
Birdwood Creek	Birdwood Irr. Dist.	No. Platte	Birdwood Canal	Irrig.	100.00	35	15	33	Lincoln	Oct.	21	1893	646	.....
Birdwood Creek	Northouse, Ed.	Sutherland	West Birdwood Canal	Irrig.	8.57	22	15	33	Lincoln	Jan.	16	1894	652	.....
Birdwood Creek	Saxson, Bert	Sutherland	Beaucamp Canal	Irrig.	3.00	15	15	33	Lincoln	Sept.	19	1894	677	.....
Birdwood Creek	Lower Platte Irr. Assn.	Lexington	Birdwood Reservoir	Stor.		10	15	33	Lincoln	Jan.	12	1922	.....	1634*
Blue Creek	Union Irr. & Water Power Company	Lewellen	Union Canal	Irrig.	20.00	18	16	42	Garden	May	16	1890	763	.....
Blue Creek	Hooper Irr. Dist.	Lewellen	Hooper Canal	Irrig.	12.86	6	16	42	Garden	Sept.	7	1893	781	.....
Blue Creek	Blue Creek Irr. Dist.	Lewellen	Blue Creek Canal	Irrig.	39.00	33	17	42	Garden	Dec.	27	1893	785	.....
Blue Creek	Meeker Ditch Co.	Lewellen	Graf Canal	Irrig.	32.73	19	16	42	Garden	Apr.	21	1894	788	.....

\* Application pending.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Blue Creek	Hooper Irrig. Dist.	Lewellen	Hooper Canal	Irrig.	0.27	19	16	42	Garden	Apr.	2	1894	788	"R"
Blue Creek	Blue Creek Irrig. Dist.	Lewellen	Blue Creek Canal	Irrig.	3.79	21	17	42	Garden	Sept.	27	1894	795	
Blue Creek	Paisley Irr. Dist.	Lewellen	West Side Canal	Irrig.	15.55	28	17	42	Garden	Nov.	20	1894	800	
Blue Creek	Robinson, A. A.	Gering	Paisley Canal	O. D.		2	16	44	Garden	Nov.	20	1894	800	1742
(No. Platte R.)														
Blue Creek	Paisley Irr. Dist.	Lewellen	Paisley Canal	Irrig.	1.00	28	17	42	Garden	July	14	1899		515
Blue Creek	Eggers, J. E.	Lewellen	Blue Creek Canal	Irrig.	.42	33	17	42	Garden	Jan.	4	1912		1154
Blue Creek	Paisley Irr. Dist.	Lewellen	West Side Canal	Irrig.	3.30	28	17	42	Garden	Feb.	25	1924		1738
Broncho Lake	Miller, Truc.	Alliance	Broncho Lake	Irrig.	1.16	6	24	48	Box Butte	May	7	1926		1806
Browns Creek	Haxby, George H.	Bridgeport	Haxberry Canal	Irrig.	.43	19	20	48	Morrill	July	17	1903		717
Buckham Springs	Maddox, P. P.	Keystone	Maddox Canal	Irrig.	*2.28	8	14	36	Keith	Oct.	3	1908		918
Buffalo Creek	Savins, Richard T.	Lexington	Savins Canal	Irrig.	2.28	22	10	21	Dawson	Aug.	18	1917		1495
Buffalo Creek	Doughty, Wm. T. & R. H.	Lexington	Doughty Canal	Irrig.	.90	21	10	21	Dawson	Mar.	24	1922		1648
Buffalo Creek	Kopf, Walter W.	Buffalo	Kopf Pump	Irrig.	0.57	21	12	22	Dawson	Mar.	3	1926		1799
Buffalo Creek	Streiff, Mrs. Anna	Elm Creek	Streiff Pump	Irrig.	1.80	35	9	19	Dawson	Sept.	15	1926		1859
Buffalo Creek	Hodgson, Martha	Lexington	Hodgson Pump	O. D.		33	10	20	Dawson	Oct.	28	1926	622	1868
Buffalo Creek	Stryker, Abram I.	Overton	Stryker Pump	Irrig.	1.62	18	9	19	Dawson	July	19	1927		1944
Buffalo Creek	Philpot, W. J.	Overton	Philpot Pump	Irrig.	3.33	28	9	19	Dawson	July	26	1927		1946
Buffalo Creek	Bowden, C. A.	Overton	Bowden Pump	Irrig.	1.65	12	9	20	Dawson	Oct.	10	1927		1959
Buffalo Creek	Lloyd, Bell F.	Elm Creek	Lloyd Pump	Irrig.	2.16	36	9	19	Dawson	Feb.	20	1928		1985

"R" Denotes relocation.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Month	D	Yr.		
Buffalo Creek	Potts, Chas. S.	Elm Creek	Potts Pump	Irrig.	4.14	4	8	18	Buffalo	Mar.	5	1928	.....	1988
Buffalo Creek	Fitzgerald, Elva J.	Elm Creek	Jones Pump	Irrig.	94	5	8	18	Buffalo	Apr.	30	1928	.....	2012
Buffalo Creek	Lindholm, Walter	Overton	Lindholm Pump	Irrig.		1	9	20	Dawson	Sept.	8	1928	.....	2028
Buffalo Creek	Dunaway, O. E.	Overton	Dunaway Canal	Irrig.		7	9	19	Dawson	Oct.	18	1928	.....	2047*
Buffalo Creek, W. (Spring Cr.)	Jurgenson, John	Overton	Jurgenson Pump	Irrig.		35	9	20	Dawson	Oct.	19	1928	.....	2049*
Buffalo Creek, W. (Spring Creek)	Wilson, Harry W.	Overton	Wilson Canal	Irrig.		18	9	19	Dawson	Nov.	12	1928	.....	2052
Buffalo Creek, W. (Spring Creek)	Jensen, Anton	Cozad	Jensen Pump	Irrig.	.56	23	11	23	Dawson	Jul.	27	1925	.....	1772
Buffalo Creek, W. (Spring Creek)	Anders, Ida M.	Cozad	Anders Pump	Irrig.	1.10	23	11	23	Dawson	July	27	1925	.....	1773
Buffalo Creek, W. (Spring Cr.)	Gardner, H. C.	Cozad	Gardner Pump	Irrig.	1.00	30	12	23	Dawson	Apr.	11	1927	.....	1924
Camp Creek	Wehn, J. W.	Alliance	Camp Creek Canal	Irrig.	1.43	13	18	49	Morrill	Mar.	16	1892	866	.....
Carter Creek	Gardner, Wm. E.	Gering	Carter Canal	Irrig.	3.70	27	21	56	Scotts Bluff	Oct.	13	1922	.....	1691
Cedar Creek	Radcliffe, Mack	Sidney	Nelson-Radcliffe Canal	Irrig.	2.77	28	18	48	Morrill	June	1	1882	1034a	.....
Cedar Creek	Radcliffe, Mack	Sidney	Radcliffe Canal No. 2	Irrig.	1.23	34	18	48	Morrill	July	1	1885	1034b	.....
Cedar Creek	Rush Creek Land & Live Stock Company	Lisco	Radcliffe Canal No. 3	Irrig.	.76	27	18	48	Morrill	Feb.	14	1890	1034c	.....
Cedar-Creek	Bridgeport Irr. Dist.	Bridgeport	Belmont Feeder	Irrig.	5.00	23	18	48	Morrill	Jan.	7	1915	.....	1397
Clear Creek	Hooper, D. C.	Lewellen	Clear Cr. Canal	Irrig.	2.86	32	16	41	Keith	July	1	1888	748	.....

\* Application pending.

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

Source	Name of Claimant	Post Office	Carrier	Useto which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Clear Creek	Clear Creek Irr. Co.	Lewellen	Barber Canal	Irrig.	14.57	29	16	41	Keith	May	30	1893	754	.....
Clear Creek	Clark, Wesley and Bairn, John	Lewellen	Williams Canal	Irrig.	1.00	28	16	41	Keith	May	18	1894	747	.....
Clear Creek	Barber, Frank H.	Lincoln	Finch Canal	Irrig.	1.43	4	15	41	Keith	June	30	1895	964	.....
Clear Creek	Clear Creek Irr. Co.	Lewellen	Barber Canal	Irrig.	1.14	31	16	41	Garden	July	5	1911	.....	1111
<del>Cold Water Creek</del>	<del>Lisco Irr. Dist.</del>	<del>Lisco</del>	<del>Cold Water Canal</del>	<del>Irrig.</del>	<del>4.29</del>	<del>26</del>	<del>18</del>	<del>46</del>	<del>Deuel</del>	<del>Sept.</del>	<del>28</del>	<del>1894</del>	<del>796</del>	<del>.....</del>
Coon Creek	Winterer, Wm. H.	Keystone	Coon Creek Canal	Irrig.	.71	34	15	37	Keith	July	3	1895	.....	69
Coon Creek	Winterer, Wm. H.	Keystone	Coon Creek Canal	Irrig.	1.42	34	15	37	Keith	Sept.	16	1911	.....	1225
Crescent Lake	Lake Water Carrying Co.	Lewellen	Crescent Lake Project	Supple.		21	20	44	Garden	Jan.	30	1920	.....	1575
(Blue Creek)	Lake Water Carrying Co.	Lewellen	Union Canal	Irrig.	20.00	18	16	42	Garden	May	16	1890	763	1575
(Blue Creek)	Lake Water Carrying Co.	Lewellen	Hooper Canal	Irrig.	12.86	6	16	42	Garden	Sept.	7	1893	781	1575
(Blue Creek)	Lake Water Carrying Co.	Lewellen	Blue Creek Canal	Irrig.	39.00	33	17	42	Garden	Dec.	27	1893	785	1575
(Blue Creek)	Lake Water Carrying Co.	Lewellen	Graf Canal	Irrig.	32.73	19	16	42	Garden	Apr.	2	1894	788	1575
(Blue Creek)	Lake Water Carrying Co.	Lewellen	Hooper Canal	Irrig.	0.27	19	16	42	Garden	Apr.	2	1894	788	1575
(Blue Creek)	Lake Water Carrying Co.	Lewellen	Blue Creek Canal	Irrig.	3.79	21	17	42	Garden	Sept.	27	1894	795	1575
(Blue Creek)	Lake Water Carrying Co.	Lewellen	West Side Canal	Irrig.	15.55	28	17	42	Garden	Nov.	20	1894	800	1575
(Blue Creek)	Lake Water Carrying Co.	Lewellen	Paisley Canal	Irrig.	1.00	28	17	42	Garden	July	14	1899	.....	515 (1575)
(Blue Creek)	Eggers, J. E.	Lewellen	Blue Creek Canal	Irrig.	.42	33	17	42	Garden	Jan.	4	1912	.....	1154 (1575)
(Blue Creek)	Paisley Irr. District	Lewellen	West Side Canal	Irrig.	3.30	28	17	42	Garden	Feb.	25	1924	.....	1738 (1575)

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Deep Cold Cr.	Finn, J. L.	Dalton	Finn Bros. Canal	Irrig.	.50	28	18	49	Morrill	July 1	1890	836	.....	
Deep Holes Cr.	Hanway, F. P.	Broadwater	Emma Canal	Irrig.	1.40	3	18	49	Morrill	May 17	1924	.....	1740	
Dougout Cr. (Lower)	Hagerty, M. H.	Bridgeport	Cooper Canal	Irrig.	.86	4	19	48	Morrill	Aug. 15	1892	872	.....	
Dougout Cr. (Lower)	Mulloy, Francis C.	Broadwater	Mulloy Canal	Irrig.	1.00	27	27	48	Morrill	July 18	1907	.....	865	
Dougout Cr. (Lower)	Hagerty, M. H.	Bridgeport	Hagerty Canal	Irrig.	1.00	4	19	48	Morrill	Oct. 26	1912	.....	1238	
Dougout Cr. (Lower)	Hagerty, M. H.	Bridgeport	Klondyke Res.	Stor.	†34	A. F.	4	9	48	Morrill	July 11	1919	.....	1547
Golden Creek	Theis, M. J.	Ogalalla	Theis Canal	Irrig.	2.71	25	15	39	Keith	Sept. 17	1895	.....	160	
Greenwood Cr.	Keenan, Mary K.	Fond Du Lac, Wis.	Trinnier Canal	Irrig.	6.29	28	18	50	Morrill	Apr. 6	1891	849	.....	
Greenwood Cr.	Keenan, Mary K.	Fond Du Lac, Wis.	Nelson Canal	Irrig.	3.00	33	18	50	Morrill	Apr. 1	1892	845	.....	
Greenwood Cr.	Shannon Bros.	Bridgeport	Capron Canal	Irrig.	2.00	15	18	50	Morrill	Jan. 1	1893	890	.....	
Greenwood Cr.	Meglemre, C. E.	Bridgeport	Meglemre Canal	Irrig.	.59	3	18	50	Morrill	May 6	1896	.....	294	
Greenwood Cr.	Meglemre, C. E.	Bridgeport	Meglemre Canal	Irrig.	1.14	3	18	50	Morrill	Mar. 11	1907	.....	853	
Greenwood Cr.	Keenan, Mary K.	Fond Du Lac, Wis.	Trinnier Canal	Irrig.	1.65	3	18	50	Morrill	Aug. 18	1919	.....	1551	
Horse Creek	Mihan, John, Est.	Morrill	State Line Canal	Irrig.	3.07	33	23	58	Scotts Bluff	Sept. 10	1897	.....	407	
Horse Creek	Braziel-Marsh	Morrill	Marsh-Braziel Canal	Irrig.	7.19	4	22	60	Wyoming	Nov. 24	1908	.....	921	
Horse Creek	Gilmore Ditch Ass'n	Morrill	Gilmore Canal	Irrig.	9.00	33	23	58	Scotts Bluff	Feb. 21	1910	.....	983	

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Horse Creek.....	Mihan, John, Est.....	Morrill .....	State Line Canal.....	Irrig.	2.00	33	23	58	Scotts Bluff.	Apr.	21	1910	.....	994
Horse Creek.....	Casteel & Husted.....	Henry .....	Jackson Extension.....	Irrig.	1.00	27	23	58	Scotts Bluff.	May	19	1910	.....	1000
Horse Creek.....	Marsh & Braziel.....	Morrill .....	Marsh-Braziel Extension	Irrig.	13.00	4	22	60	Wyoming.....	Sept.	18	1911	.....	1126
Horse Creek.....	Gr. Western Sugar Co.	Denver .....	Lyman Factory .....	Mfg.	15.00	34	23	58	Scotts Bluff.	June	16	1926	.....	1819
Hoth Draw..... (No. Platte-R-)	O'Holloran, Jas.....	Bayard .....	O'Holloran Canal.....	O. D.		28	21	52	Morrill.....	Jan.	26	1917	918	1473
Hoth Draw.....	Gr. Western Sugar Co.	Scottsbluff .....	Pump L. Bayard Factory	Mfg.	15.00	34	21	52	Morrill.....	Oct.	4	1920	.....	1593
Huntington Sprg.	Card, Fred.....	Hull .....	Card Canal.....	Irrig.	1.43	9	20	58	Scotts Bluff.	Dec.	23	1904	.....	778
Kiowa Creek.....	Currie, Edw. A.....	Mitchell .....	Currie Canal.....	Irrig.	9.14	13	21	57	Scotts Bluff.	Mar.	23	1892	938	.....
Kiowa Creek.....	Kellums, John H.....	Morrill .....	Kellums Canal.....	Irrig.	2.43	11	22	58	Scotts Bluff.	Oct.	18	1901	.....	641
Kiowa Creek.....	Kellums, John H.....	Morrill .....	Kellums Canal No. 2.....	Irrig.	.57	1	22	58	Scotts Bluff.	Nov.	29	1907	.....	880
Lawrence Fork.....	Simms and Postal.....	Bridgeport .....	Laing Canal.....	Irrig.	.50	28	18	52	Morrill.....	Dec.	31	1886	825	.....
Lawrence Fork.....	Gilman, Byron & Crigler, E. S.....	Redington .....	Redington Canal.....	Irrig.	.57	36	19	52	Morrill.....	Oct.	9	1889	820	.....
Lawrence Fork.....	Lindburg, Fred R.....	Bridgeport .....	E. S. Crigler Canal.....	Irrig.	.57	1	18	52	Morrill.....	Sept.	11	1891	861	.....
Lawrence Fork.....	Neihus, J. W.....	Redington .....	Spring Ranch.....	Irrig.	1.00	11	18	52	Morrill.....	Oct.	23	1891	862	.....
Lawrence Fork.....	Neihus, J. W.....	Redington .....	Redington Canal.....	Irrig.	.50	11	18	52	Morrill.....	May	1	1893	893	.....
Lawrence Fork.....	Lindburg, Fred.....	Bridgeport .....	Crigler Ext.....	Irrig.	1.43	1	18	52	Morrill.....	Nov.	25	1898	.....	486
Lawrence Fork.....	Neihus, Dora.....	Redington .....	Neihus Canal.....	Irrig.	.86	11	18	52	Morrill.....	Mar.	23	1900	.....	550
Lawrence Fork.....	Neihus, J. W.....	Redington .....	Harper Canal.....	Irrig.	1.43	11	18	52	Morrill.....	May	27	1902	.....	660
Lawrence Fork.....	Simms & Postal.....	Henry .....	Randall Canal.....	Irrig.	2.57	21	18	52	Morrill.....	May	15	1911	.....	1100
Lawrence Fork.....	King, Wm. O.....	Kearney .....	King Canal.....	Irrig.	4.00	15	18	52	Morrill.....	Dec.	8	1915	.....	1440
Lawrence Fork.....	King, Wm. O.....	Kearney .....	King Canal.....	Irrig.	1.00	15	18	52	Morrill.....	July	3	1920	.....	1587



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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Lonerган Creek	Soehl, Herman A.	Lemoyne	Soehl Canal	Irrig.	2.00	17	15	39	Keith	May	10	1889	697a	
Lonerган Creek	Jacobs, Lee	Lemoyne	East Lonerган Canal	Irrig.	9.14	17	15	39	Keith	May	25	1889	699	
Lonerган Creek	Soehl, Herman A.	Lemoyne	Soehl Canal	Irrig.	.86	17	15	39	Keith	Apr.	27	1893	697b	
Lonerган Creek	Harris, F. H.	Lemoyne	Haney Canal	Irrig.	1.14	17	15	39	Keith	July	1	1893	719	
Mathews Creek	Mathews, Benj. G.	Keystone	Mathews Canal	Irrig.	1.14	28	15	37	Keith	Apr.	1	1893	750	
Nine Mile Draw (No. Platte R.)	Nine Mile Irr. Dist.	Bayard	Nine Mile Canal	O. D.		10	21	53	Morrill	Aug.	19	1915	925	1431
No. Platte River	Platte Valley Irr. Dist.	Hershey	No. Platte Canal	Irrig.	300.00	13	14	34	Lincoln	May	31	1884	635	
No. Platte River	Farmers Irr. Dist.	Scottsbluff	Farmers Canal	Irrig.	1,142.86	3	23	58	Scotts Bluff	Sept.	16	1887	918	
No. Platte River	Farmers Irr. Dist.	Scottsbluff	Ramshorn Canal	Irrig.	3.07	13	23	58	Scotts Bluff	Sept.	16	1887	918	"R"
No. Platte River (Sheep Creek)	Sheep Cr. Lateral Co.	Morrill	Sheep Creek Lat.	O. D.		8	23	57	Scotts Bluff	Sept.	16	1887	918	1176
No. Platte River (Dry Spotted Tail)	Hrasky, Frank	Mitchell	Roberts Canal	O. D.		16	23	56	Scotts Bluff	Sept.	16	1887	918	1241
No. Platte River (Hoth Draw)	O'Holloran, James	Bayard	O'Holloran Canal	O. D.		28	21	52	Morrill	Sept.	16	1887	918	1473
No. Platte River (Seep Farmers Canal)	Warner, Frank	Morrill	Warner Canal	O. D.		12	23	57	Scotts Bluff	Sept.	16	1887	918	1769
No. Platte River	Minatare Mut. Canal and Irrig. Co.	Minatare	Minatare Canal	Irrig.	249.43	32	22	54	Scotts Bluff	Jan.	14	1888	919	
No. Platte River	Winter Creek Irr. Co.	Scottsbluff	Winter Creek Canal	Irrig.	124.29	17	22	55	Scotts Bluff	Oct.	18	1888	952	

"R" Denotes Relocation.

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

Source	Name of Claimant	Post Office	Carrier	Used to which applied	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
No. Platte River (Winter Creek)	Winter Creek Irr. Co....	Scottsbluff	Winter Creek Canal.....	O. D.		19	22	54	Scotts Bluff	Oct.	18	1888	952	1446
No. Platte River	Enterprise Irr. Dist.....	Scottsbluff	Enterprise Canal.....	Irrig.	138.90	27	23	57	Scotts Bluff.	Mar.	28	1889	920	
No. Platte River (Akers Draw)	Enterprise Irr. Dist.....	Scottsbluff	Enterprise Canal.....	O. D.		13	23	57	Scotts Bluff.	Mar.	28	1889	920	1290
No. Platte River	Castle Rock Irr. Dist.....	McGrew	Castle Rock Canal.....	Irrig.	82.57	4	21	54	Scotts Bluff	Apr.	18	1889	921	
No. Platte River	Logan Irr. Company.....	Bridgeport	Logan Canal.....	Irrig.	5.71	19	20	50	Morrill.....	Oct.	17	1889	821	
No. Platte River	Bridgeport Irr. Dist.....	Bridgeport	Belmont Canal.....	Irrig.	270.00	18	20	51	Morrill.....	Dec.	19	1889	828	
No. Platte River (Atkins Drain)	Atkins, A. W.....	Bridgeport	Atkins Canal.....	O. D.		15	19	49	Morrill.....	Dec.	19	1889	828	1450
No. Platte River	Central Irr. Dist.....	Gering	Central Canal.....	Irrig.	36.00	27	22	55	Scotts Bluff.	June	23	1890	926	
No. Platte River	Sheridan, J. Wake. Est	Paxton	Sheridan-Wilson Canal..	Irrig.	10.00	20	14	35	Keith.....	Oct.	9	1890	710	
No. Platte River	Chimney Rk. Irr. Dist...	Chimney Rock	Chimney Rock Canal.....	Irrig.	60.00	1	20	53	Morrill.....	Dec.	3	1890	844	
No. Platte River	Chimney Rk. Irr. Dist...	Chimney Rock	Chimney Rock Canal.....	Irrig.		1	20	53	Morrill.....	Dec.	3	1890	1031	
No. Platte River	Empire Canal Co.....	Bridgeport	Empire Canal.....	Irrig.	28.57	18	21	51	Morrill.....	June	25	1891	858	
No. Platte River (Red Willow)	Jurgens, Otto, (Adm. Est. of D. Kah).....	Minatare	Kah Canal.....	Irrig.	4.57	11	21	54	Scotts Bluff	Nov.	1	1891	944	
No. Platte River	Brown Creek Irr. Dist..	Bridgeport	Brown Creek Canal.....	Irrig.	188.71	20	20	50	Morrill.....	Jan.	20	1892	857	
No. Platte River	Brown Creek Irr. Dist..	Bridgeport	Brown Creek Canal.....	Irrig.		20	20	50	Morrill.....	Jan.	20	1892	1033	
No. Platte River	Alliance Irr. Dist.....	Bridgeport	Alliance Canal.....	Irrig.	86.00	5	20	52	Morrill.....	Dec.	26	1892	874	
No. Platte River	Alliance Irr. Dist.....	Bridgeport	Alliance Canal.....	Irrig.		5	20	52	Morrill.....	Dec.	26	1892	1035	
No. Platte River (Bayard Sugar) (Fac. Drain)	Alliance Irr. Dist.....	Bridgeport	Alliance Canal.....	O. D.		6	20	51	Morrill.....	Dec.	26	1892	874	1429
No. Platte River	Alliance Irr. Dist.....	Bridgeport	Alliance Canal.....	O. D.		5	20	52	Morrill.....	Dec.	26	1892	874	1776
No. Platte River	Ramshorn Irr. Dist.....	Morrill	Ramshorn Canal.....	Irrig.	45.71	13	23	58	Scotts Bluff	Mar.	20	1893	945	

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
No. Platte River (Sheep Cr.)	Ramshorn Irr. Dist.....	Morrill .....	Ramshorn Canal.....	O. D.		21	23	57	Scotts Bluff.	Mar.	20	1893	945	1465
No. Platte River	Short Line Irr. Dist.....	Bayard .....	Short Line Canal.....	Irrig.	65.57	25	21	53	Scotts Bluff.	May	1	1893	946	.....
No. Platte River	Lisco Irr. Dist.....	Lisco .....	Lisco Canal.....	Irrig.	19.85	14	18	47	Morrill.....	July	1	1893	856	.....
No. Platte River (9 Mile Draw)	Nine Mile Irr. Dist.....	Bayard .....	Nine Mile Canal.....	Irrig.	100.00	18	21	53	Scotts Bluff.	Dec.	6	1893	925	.....
No. Platte River	Nine Mile Irr. Dist.....	Bayard .....	Nine Mile Canal.....	O. D.		10	21	53	Morrill.....	Dec.	6	1893	925	1431
No. Platte River	Cody Land & Cat. Co.....	No. Platte.....	Cody-Dillon Canal.....	Irrig.	127.00	9	14	31	Lincoln.....	Dec.	29	1893	649	.....
No. Platte River	Keith-Lincoln Co. Irr. Dist.	Sutherland .....	Keith-Lincoln Canal.....	Irrig.	95.00	18	14	36	Keith.....	Feb.	2	1894	722	.....
No. Platte River	Paxton-Hershey Water Company .....	Hershey .....	Paxton-Hershey Canal.....	Irrig.	130.00	18	14	33	Lincoln.....	Feb.	12	1894	653	.....
No. Platte River	Lisco Irr. Dist.....	Lisco .....	Lisco Canal.....	Irrig.	5.37	14	18	47	Morrill.....	Mar.	27	1894	787	.....
No. Platte River	No. River Irr. Dist.....	Oshkosh .....	No. River Canal.....	Irrig.	16.00	14	18	47	Morrill.....	Mar.	27	1894	787	"R"
No. Platte River	Suburban Irr. Dist.....	No. Platte.....	Suburban Canal.....	Irrig.	124.00	12	14	33	Lincoln.....	May	22	1894	662	.....
No. Platte River	Roberts, C. F.....	Oshkosh .....	Midland Canal.....	Irrig.	12.00	2	16	44	Garden.....	June	9	1894	789	.....
No. Platte River	Countryman, Chas.....	Lewellen .....	Overland Canal.....	Irrig.	20.00	2	16	44	Garden.....	Aug.	14	1894	791	"R"
No. Platte River	Hannah Irr. Co.....	Lisco .....	Hannah Canal.....	Irrig.	5.71	29	18	47	Morrill.....	Sept.	24	1894	886	.....
No. Platte River	Oshkosh Irr. Dist.....	Oshkosh .....	Oshkosh Canal.....	Irrig.	40.00	33	17	44	Garden.....	Oct.	5	1894	797	.....
No. Platte River	No. River Irr. Dist.....	Oshkosh .....	Oshkosh Canal.....	Irrig.	2.29	33	17	44	Garden.....	Feb.	24	1896	.....	243 "R"
No. Platte River	Beerline Canal Co.....	Broadwater .....	Beerline Canal.....	Irrig.	30.00	24	19	49	Morrill.....	Oct.	13	1894	887	.....
No. Platte River	Spohn, William.....	Oshkosh .....	Spohn Canal.....	Irrig.	13.14	13	17	45	Garden.....	Dec.	6	1894	801	.....
No. Platte River	Rush Cr. Irr. Co.....	Lisco .....	Rush Creek Canal.....	Irrig.	9.64	2	17	46	Garden.....	Dec.	11	1894	802	.....
No. Platte River	Lyons Irr. Dist.....	Oshkosh .....	Lyons Canal.....	Irrig.	42.14	30	17	44	Garden.....	Dec.	22	1894	803	.....
No. Platte River	Western Land & Cat. W. R. Taylor	Omaha .....	Signal Bluff Canal.....	Irrig.	30.13	16	16	43	Garden.....	Jan.	16	1895	807	.....
No. Platte River	Alfalfa Irr. Dist.....	Ogallala .....	Alfalfa Canal.....	Irrig.	100.00	1	15	42	Keith.....	Mar.	25	1895	738	.....
No. Platte River	Steamboat Irr. Dist.....	Melbeta .....	Steamboat Canal.....	Irrig.	6.20	4	21	54	Scotts Bluff.	Oct.	27	1895	.....	186

"R" Denotes Relocation.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	D	Yr.				
No. Platte River	No. River Irr. Dist.....	Oshkosh .....	No. River Canal.....	Irrig.	64.71	14	18	47	Morrill.....	Feb.	24	1896	.....	243
No. Platte River	No. River Irr. Dist.....	Oshkosh .....	Oshkosh Canal.....	Irrig.	2.29	33	17	44	Garden.....	Feb.	24	1896	.....	243 R
No. Platte River	Lisco Irr. Dist.....	Lisco .....	No. River Canal.....	Irrig.	9.00	14	18	47	Morrill.....	Feb.	24	1896	.....	243
No. Platte River	Remick Duer Co.....	Broadwater .....	Lamore Canal.....	Irrig.	20.00	34	19	48	Morrill.....	July	18	1896	.....	327
No. Platte River	Steamboat Irr. Dist.....	Melbeta .....	Steamboat Canal.....	Irrig.	.71	4	21	54	Scotts Bluff.....	July	22	1896	.....	350
No. Platte River	Gering Irr. Dist.....	Gering.....	Gering Canal.....	Irrig.	208.62	4	23	58	Scotts Bluff.....	Mar.	15	1897	.....	365
No. Platte River	Schermerhorn, A. D.....	Omaha .....	Schermerhorn Canal.....	Irrig.	29.71	16	20	51	Morrill.....	Oct.	25	1897	.....	418
No. Platte River	Farmers Irr. Dist.....	Scottsbluff .....	Columbia Canal.....	Irrig.	600.00	3	23	58	Scotts Bluff.....	Apr.	14	1902	.....	660
No. Platte River	Secretary of Interior Bureau of Reclamation	Mitchell .....	Pathfinder Reservoir.....	Stor.	1,070,000	34	29	84	Wyoming.....	Sept.	19	1904	.....	768
No. Platte River	Gering & Ft. Laramie Irr. Dist.....	Gering .....	Gering and Ft. Laramie Canal .....	Irrig.	1,530.00	11	26	65	Wyoming.....	Sept.	19	1904	.....	768
No. Platte River	Northport Irr. Dist.....	Bridgeport .....	Tri-State Canal.....	Irrig.	†250.00	3	23	58	Scotts Bluff.....	Sept.	19	1904	.....	768
No. Platte River	Pathfinder Irr. Dist.....	Scottsbluff .....	Inter-State Canal.....	Irrig.	1,643.00	11	26	65	Wyoming.....	Sept.	19	1904	.....	768
No. Platte River	Liebhart Bros.....	Denver .....	Empire Ext.....	Irrig.	1.00	18	20	51	Morrill.....	July	20	1907	.....	866
No. Platte River	Lisco Irr. Dist.....	Lisco .....	Lisco Canal.....	Irrig.	3.00	14	18	47	Garden.....	Apr.	6	1910	.....	991
No. Platte River	French Ditch Company	Hampton .....	French Canal.....	Irrig.	11.00	9	23	60	Wyoming.....	Dec.	21	1911	.....	1149
No. Platte River	Dobson, W. A.....	Carrolton, Mo	Dobson Lateral.....	Irrig.	3.14	5	20	52	Morrill.....	Feb.	28	1912	.....	1181
No. Platte River	Stone, Myron K.....	Eseanto, Cal..	Stone Canal.....	Irrig.	1.00	28	18	46	Morrill.....	Jan.	19	1915	.....	1401
No. Platte River	French Ditch Company..	Hampton, Mo.	French Canal.....	Irrig.	3.00	9	23	60	Wyoming.....	Sept.	11	1915	.....	1433
No. Platte River (Red Willow Cr.)	Dobson, W. A.....	Carrolton, Mo	Dobson Lateral.....	Irrig.	.25	5	20	52	Morrill.....	Nov.	3	1915	.....	1436
No. Platte River	Liehardt Bros.....	Denver .....	Liehardt Lat.....	Irrig.	2.90	6	20	52	Morrill.....	Mar.	1	1916	.....	1448
No. Platte River	Intermountain Ry. L. and Power Co.....	Colo. Springs..	Gering Hydro Elec. Pl'nt	Power	250.00	10	23	60	Wyoming.....	Apr.	15	1916	.....	1452
No. Platte River	U. P. Ry. Co.....	Omaha .....	Locomotive Water Supp.	Power	1.00	29	14	30	Keith.....	Jan.	19	1917	.....	1472

† Amount diverted at Red Willow rating flume.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
No. Platte River	French Ditch Company.....	Hampton .....	French Canal Extension.....	Irrig.	.60	9	23	60	Wyoming.....	Mar.	20	1920	.....	1581
No. Platte River	Lower Platte Irr. Assn.....	Lexington .....	South Canal.....	Irrig.		18	14	36	Keith.....	Jan.	12	1922	.....	1633A*
No. Platte River	Lower Platte Irr. Assn.....	Lexington .....	Sutherland Res.....	Stor.		13	34	33	Keith.....	Jan.	12	1922	.....	1635*
No. Platte River (Blue Creek)	Robinson, A. A.....	Gering .....	Paisley Canal.....	O. D.		2	16	44	Garden.....	Mar.	31	1924	800	1742
No. Platte River (Seep Farmers Canal)	Warner, Frank.....	Morrill .....	Warner Canal.....	O. D.		12	23	57	Scotts Bluff.	July	10	1925	918	1769
No. Platte River	No. Platte Water Dept.....	No. Platte.....	Water Supply.....	Steam	.125	29	14	30	Lincoln.....	Mar.	16	1927	.....	1912
No. Platte River	Carter, E. C.....	Bruning .....	No. Platte Pow. Plant.....	Power	300.00	18	20	51	Morrill.....	July	13	1928	.....	2022
No. Platte River	Great Western Sugar Co.....	Denver .....	Gering Factory.....	Mfg.	15.00	36	22	55	Morrill.....	Nov.	15	1928	.....	2054
No. Platte River	Maddox, P. P. Et Al.....	North Platte.....	Pawnee Canal.....	Irrig.		35	14	30	Lincoln.....	Nov.	24	1928	.....	2055*
No. Platte River (Spring Creek Trib.)	U. P. Ry. Co.....	Omaha .....	Frazier Lake.....	Ice	4.00	35	14	30	Lincoln.....	Sept.	6	1907	.....	863
No. Platte River (Spring Creek Trib.)	Gatch, Chas.....	Melbeta .....	Gatch Canal.....	Irrig.	.93	25	21	54	Scotts Bluff.	Aug.	21	1912	.....	1220
No. Platte River (Barrow Pit Trib.)	Taylor, A. O.....	Minatare .....	Barrow Pit Canal.....	Irrig.	.29	19	21	52	Scotts Bluff	Apr.	23	1904	.....	751
Otter Creek.....	Fairchild, Louis F.....	Lemoine .....	Cascade Canal.....	Irrig.	3.30	4	15	40	Keith.....	Apr.	1	1891	.....	1032
Otter Creek.....	Nissen, Pete & Co.....	Belmar .....	Otter Canal.....	Irrig.	10.29	5	15	40	Keith.....	May	24	1912	.....	1198
Otter Creek.....	Peterson, E. J.....	Lemoine .....	Holcomb Canal.....	Irrig.	15.49	5	15	40	Keith.....	Nov.	6	1912	.....	1
Otter Creek.....	Peterson, E. J.....	Lemoine .....	Peterson Canal.....	Irrig.	1.32	5	15	40	Keith.....	Nov.	6	1912	.....	1240

\* Application pending.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Owl Creek.....	Kellums, John H.....	Morrill .....	Sunflower Canal.....	Irrig.	.79	12	22	58	Scotts Bluff.	Sept.	17	1897	.....	411
Owl Creek.....	Kellums, John H.....	Morrill .....	Sunflower Canal.....	Irrig.	1.14	12	22	58	Scotts Bluff.	Oct.	10	1904	.....	770
Owl Creek.....	Kellums, John H.....	Morrill .....	Sunflower No. 2.....	Irrig.	1.14	12	22	58	Scotts Bluff.	Nov.	29	1907	.....	\$79
Owl Creek.....	Kellums, John H.....	Morrill .....	Sunflower No. 1.....	Irrig.	.57	12	22	58	Scotts Bluff.	Nov.	29	1907	.....	\$81
Pawnee Creek.....	Kent-Burke Co.....	Omaha .....	Kent-Burke Canal.....	Irrig.	8.00	13	13	23	Lincoln.....	Oct.	18	1890	636	.....
Pawnee Creek.....	Kent-Burke Co.....	Omaha .....	Kent-Burke Canal.....	Irrig.	5.85	18	13	27	Lincoln.....	Nov.	16	1922	.....	1694
Peden's Lake..... (Platte R.)	Bean, Smith & Good.....	Cozad .....	Excell Canal.....	O. D.		12	11	23	Dawson.....	Sept.	16	1926	645	1860
Platte River.....	Central Power Co.....	Grand Island..	Kearney Canal.....	Irrig. Power	22.00	3	8	16	Buffalo.....	Sept.	10	1882	1023	.....
Platte River.....	Gothenburg L. & P. Co.	Gothenburg ..	Gothenburg Canal.....	I. & P.	140.00									
Platte River.....	Kjar, Hans C. Et Al.....	Lexington .....	Pumps .....	Irrig.	7.00	25	10	23	Dawson.....	June	14	1894	621	.....
Platte River.....	Dawson Co. Irr. Co.....	Lexington .....	Dawson County Canal.....	Irrig.	1,142.86	18	10	23	Dawson.....	June	26	1894	622	.....
Platte River.....	Pederson, Hans, Et Al.....	Lexington .....	Pumps .....	Irrig.	7.91				Dawson.....	Sept.	15	1894	624	.....
Platte River.....	Beatty, H. F.....	Overton .....	Dawson County Canal.....	Irrig.	2.19	18	10	23	Dawson.....	Sept.	15	1894	624	"R"
Platte River.....	Dawson Co. Irr. Co.....	Lexington .....	Dawson County Canal.....	Irrig.	*33.31	18	10	23	Dawson.....	Sept.	15	1894	624	.....
Platte River.....	Gothenburg L. & P. Co.	Gothenburg .....	Gothenburg Canal.....	Irrig.	240.00	29	12	26	Lincoln.....	Sept.	22	1894	645b	.....
Platte River..... (Peden's Lake)	Bean, Smith & Good.....	Cozad .....	Excell Canal.....	O. D.		12	11	23	Dawson.....	Sept.	22	1894	645b	1860
Platte River.....	Six Mile Ditch Co.....	Gothenburg .....	Six Mile Canal.....	Irrig.	40.00	11	11	26	Lincoln.....	Oct.	22	1894	680	.....
Platte River.....	Cozad Irr. Co.....	Cozad .....	Cozad Canal.....	Irrig.	614.29	15	11	25	Dawson.....	Dec.	28	1894	626	.....
Platte River.....	South Side Irr. Co.....	Cozad .....	Orchard-Alfalfa Canal.....	Irrig.	85.00	9	10	24	Dawson.....	Jan.	23	1896	627	.....
Platte River.....	Central Power Company	Grand Island..	Central Power Plant.....	Power	485.00	3	8	16	Buffalo.....	Feb.	12	1920	.....	1577

\* Records indicate water carried thru Dawson County canal.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Month			D
Platte River.....	Central Power Company	Grand Island..	Central Power Company Steam Plant.....	Steam	925.00	29	11	S	Merrick.....	Aug. 12	1920	1588	
Platte River.....	Steele, Chas.....	Elm Creek.....	Cottonwood Canal.....	Irrig.	5.33	7	8	S	Phelps.....	Dec. 15	1921	1629	
Platte River.....	Lower Platte Irr. Assn.	Lexington .....	North Canal.....	Irrig.		8	13	29	Lincoln.....	Jan. 12	1922	1633*	
Platte River.....	Lower Platte Irr. Assn.	Lexington .....	Rotan Reservoir.....	Stor.		14	12	24	Lincoln.....				
			Buffalo Reservoir.....	Stor.		5	11	22	Dawson.....				
			Elm Creek Reservoir...	Stor.		1	9	19	Dawson.....	Jan. 12	1922	1636*	
			Dry Fork Reservoir....	Stor.		5	11	20	Dawson.....				
Platte River.....	Central Nebr. Supplemental Water Ass'n....	Hastings .....	Tri. County Proj.....	Irrig.	}	14	12	28	Lincoln.....				
						2	8	21	Gosper.....	Nov. 29	1922	1696*	
						36	9	21	Dawson.....				
Platte River.....	Central Nebr. Supplemental Water Ass'n....	Hastings .....	Plum Cr. Res.....	Stor.		17	20	8	15	Buffalo.....			
Platte River.....	Central Nebr. Supplemental Water Ass'n....	Hastings .....	Tri-County Power Plant .....	Power		14	12	28	Lincoln.....	Nov. 15	1923	1728*	
Platte River.....	Peaker, Howard.....	Kearney .....	Kearney Tail Race (Pump) .....	O. D.		11	8	16	Buffalo.....	May 8	1924	1023 1744	
Platte River.....	Faught, Carl E.....	Cozad .....	Faught Pump.....	Irrig.	.74	9	10	24	Dawson.....	Oct. 20	1926	1784	
Platte River.....	Parham, F. E. Et Al....	Gothenburg .....	Thirty Mile Canal.....	Irrig.	275.06	30	12	26	Dawson.....	Sept. 7	1926	1853	
Platte River.....	Robertson, Nina.....	Cozad .....	Robertson Pump.....	Irrig.	.74	9	10	24	Dawson.....	Nov. 2	1926	1870	
Platte River.....	Van Nortwick, Wesley...	Cozad .....	Van Nortwick Pump.....	Irrig.	2.36	15	10	24	Dawson.....	July 18	1927	1942	
Platte River.....	Frost, Matts.....	Overton .....	Frost Canal.....	Irrig.	1.43	.6	9	20	Dawson.....	Sept. 3	1927	1957	
Platte River.....	Priel, W. M.....	Overton .....	Priel Canal.....	Irrig.	2.27	22	9	20	Dawson.....	Sept. 3	1927	1958	
Platte River.....	Thirty Mile Canal Co.	Gothenburg .....	Thirty Mile Canal.....	Irrig.	50.79	30	12	26	Lincoln.....	Dec. 13	1927	1976	
Platte River.....	Danielson, Fred.....	Brady .....	Danielson Pump.....	Irrig.		20	12	27	Lincoln.....	Oct. 1	1928	2038	
Platte River.....	Bergquist, J. T. Et Al...	Lexington .....	Dawson County Canal.....	Irrig.		18	10	23	Dawson.....	Oct. 3	1928	2039	

\* Application pending.

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

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Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D Yr.	
Platte River.....	Strevor, James B.....	Cozad .....	Cozad Canal.....	Irrig.		15	11	25	Dawson.....	Oct.	27	1928	.....	2050
Platte River..... (So. Channel)	Johnson, P. L.....	Hastings .....	Johnson Pump.....	Irrig.	2.56	1	S	13	Adams.....	Feb.	13	1926	.....	1796
Platte River..... (No. Channel)	Hagge, Fred, Et Al.....	Grand Island.....	Hagge Pump.....	Irrig.	4.58	28	11	9	Hall.....	Aug.	24	1926	.....	1849
Plum Creek .....	Roblee, D. S.....	Lewellen .....	Plum Creek Reservoir...	Irrig.	1.14	23	16	42	Garden.....	Jan.	12	1914	.....	1344
Pumpkinseed Cr.	Kelley, Wm. J.....	Harrisburg .....	Kelley Canal.....	Irrig.	1.43	5	19	54	Banner.....	May	10	1886	915	.....
Pumpkinseed Cr.	Zingg, Henry N.....	Platte Center..	Heard Canals No. 1 & 2	Irrig.	1.29	14	19	54	Banner.....	June	1	1887	916	.....
Pumpkinseed Cr.	Olson, Albert H.....	Harrisburg .....	Logan Canal.....	Irrig.	4.00	7	19	55	Banner.....	July	16	1890	902	.....
Pumpkinseed Cr.	Court House Rk. Co.....	Bridgeport .....	Court House Rk. Canal	Irrig.	30.50	30	19	50	Morrill.....	Oct.	8	1890	\$40	.....
Pumpkinseed Cr.	Court House Rk. Co.....	Bridgeport .....	Court House Rk. Canal	Irrig.		30	19	50	Morrill.....	Oct.	8	1890	1023	.....
Pumpkinseed Cr.	Mutual Ditch Co.....	Redington .....	Mutual Canal.....	Irrig.	8.57	33	19	52	Morrill.....	Nov.	1	1890	\$43	.....
Pumpkinseed Cr.	Sweet, C. A.....	Omaha .....	Meredith-Ammer Canal...	Irrig.	18.86	23	19	50	Morrill.....	Feb.	20	1893	\$76	.....
Pumpkinseed Cr.	Finn & Trott.....	Bridgeport .....	Last Chance Canal.....	Irrig.	6.33	27	19	50	Morrill.....	Apr.	12	1894	\$83	.....
Pumpkinseed Cr.	Loy, Mrs. E. P.....	Bridgeport .....	Round House Rock Canal	Irrig.	3.00	28	19	51	Morrill.....	May	29	1894	\$84	.....
Pumpkinseed Cr.	Quinn, T. E.....	Bridgeport .....	Bird Cage Canal.....	Irrig.	1.00	20	19	51	Morrill.....	June	1	1895	\$92	.....
Pumpkinseed Cr.	Trinnier, Daisy A.....	Denver .....	Smith-Wheeler North Canal .....	Irrig.	.71	26	19	51	Morrill.....	June	1	1896	\$42	.....
Pumpkinseed Cr.	Cluck, Millard.....	Harrisburg .....	Peter Canal.....	Irrig.	2.57	2	19	56	Banner.....	July	1	1902	913	.....
Pumpkinseed Cr.	Airedale Ranch & Cattle Co. ....	Scottsbluff .....	Airedale Canal No. 1.....	Irrig.	5.52	2	19	55	Banner.....	Jan.	24	1903	.....	698
Pumpkinseed Cr.	Airedale Ranch & Cattle Co. ....	Scottsbluff .....	Airedale Canal No. 2.....	Irrig.	3.22	1	19	55	Banner.....	Jan.	24	1903	.....	699
Pumpkinseed Cr.	Jones & Jordan.....	Sidney .....	Res. Nos. 1-2 & 3.....	I. & S.	1.31	7	19	55	Banner.....	June	24	1903	.....	711
Pumpkinseed Cr.	Seybolt, Albert.....	Bridgeport .....	Swanger Canal.....	Irrig.	.43	30	19	50	Morrill.....	Feb.	28	1909	.....	\$51

REPORT OF SECRETARY



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

Source	Name of Claimant	Post Office	Carrier	Used to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	Day	Yr.			
Pumpkinseed Cr.	Airedale Ranch & Cattle Co.	Scottsbluff	Airedale Canal No. 2	Irrig.	1.57	1	19	55	Banner	Oct.	26	1911		1133	
Pumpkinseed Cr.	Airedale Ranch & Cattle Co.	Scottsbluff	Airedale Canal No. 1	Irrig.	.51	2	19	55	Banner	Sept.	4	1914		1380	
Pumpkinseed Cr.	Airedale Ranch & Cattle Co.	Scottsbluff	Airedale Canal No. 3	Irrig.	4.41	2	19	55	Banner	Mar.	15	1918		1508	
Pumpkinseed Cr.	Quinn, T. E.	Bridgeport	Quinn Canal	Irrig.	.25	20	19	51	Morrill	Oct.	15	1919		1561	
Red Willow Cr.	Alliance Irr. Dist.	Bridgeport	Alliance Canal	O. D.			6	20	51	Morrill	Aug.	5	1915	874	1429
Red Willow Cr.	Dobson, W. A.	Carrolton, Mo.	Dobson Lateral	Irrig.	2.00	12	20	51	Morrill	Sept.	10	1915		1432	
Sand Creek	Dudley, W. H.	Lemoyne	Patrick Canal	Irrig.	2.43	10	15	40	Keith	May	31	1891	725		
Sand Creek	Nissen, Peter	Lemoyne	Nissen Canal	Irrig.	3.07	10	15	40	Keith	Mar.	18	1901		606	
Sand Creek (Gravel Cr.)	Maddox, P. P. and Sillasen, S. J.	No. Platte	Sand Creek Canal	Irrig.	1.84	9	14	36	Keith	Jan.	3	1910		974	
Seep from Lake.	Huffman, M. J.	Gering	Huffman Canal	Irrig.	6.43	26	21	54	Scotts Bluff	Mar.	19	1909		987	
Scheutz Springs	Scheutz, Louis	Bridgeport	Scheutz Canal	Irrig.	.21	28	18	50	Morrill	May	10	1892	881		
Sheep Creek	Nash, Charles A.	Henry	Little Moon Canal	Irrig.	1.00	10	24	58	Sioux	Mar.	23	1904		745	
Sheep Creek	Covert, Pitt	Cheyenne, Wyo.	Nebraska Reservoir	Irrig.	3.57	36	27	58	Sioux	May	18	1907		859	
Sheep Creek	West Fork Ditch Co.	Exeter	W. Fork Canal	Irrig.	5.14	1	26	58	Sioux	Sept.	21	1907		871	
Sheep Creek	Cunningham, H. B.	Exeter	Lower Canal	Irrig.	.37	11	25	58	Sioux	Nov.	2	1907		875	
Sheep Creek	Sturdevant, Mrs. Addie	Henry	Horse Camp Reservoir	Irrig.	.43	36	27	58	Sioux	Jan.	20	1908		885	

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Sheep Creek (No. Platte)	Sheep Creek Lat. Co.....	Morrill .....	Sheep Creek Lateral.....	O. D.		8	23	57	Scotts Bluff.	Feb.	26	1912	918	1176
Sheep Creek.....	Sheep Creek Lat. Co.....	Morrill .....	Sheep Creek Lateral.....	Irrig.	.92	8	23	57	Scotts Bluff.	Jan.	12	1915		1398
Sheep Creek (No. Platte)	Ramshorn Irr. Dist.....	Morrill .....	Ramshorn Canal.....	C. D.		20	23	57	Scotts Bluff.	Sept.	12	1916	945	1465
Sheep Cr. Draw (Trib. to)	Sheep Cr. Lat. Co.....	Morrill .....	Sheep Creek Lateral.....	Irrig.	.28	8	23	57	Scotts Bluff.	Feb.	20	1915		1403
Slough, Warm.....	Johnson, Abram M.....	Gibbon .....	Johnson Pump.....	Irrig.	.50	30	9	13	Buffalo.....	Feb.	20	1923		1707
Slough, Warm (Spring Branch)	Walter, Jacob J.....	Gibbon .....	Walter Pump.....	Irrig.	1.14	31	9	13	Buffalo.....	Feb.	17	1927		1900
Skunk Creek .....	Knight, H. H.....	Keystone .....	Miller Canal.....	Irrig.	2.29	1	14	37	Keith.....	Apr.	1	1895	740	
Skunk Creek .....	Maddox, P. P.....	North Platte..	Skunk Cr. Canal.....	Irrig.	3.36	6	14	36	Keith.....	Nov.	5	1900		968
Snake Creek.....	Kilpatrick Bros.....	Beatrice .....	Oasis Canal.....	Irrig.	54.86	6	24	51	Box Butte...	June	6	1894	567	
Snake Creek.....	Kilpatrick Bros.....	Beatrice .....	Kilpatrick Reservoir No. 1 .....	Stor.	†5100	1	24	52	Box Butte...	June	7	1911		1104
Snake Creek.....	Kilpatrick Bros.....	Beatrice .....	Kilpatrick Res. No. 2 .....	Irrig.	200.00	6	24	51	Box Butte...	Jan.	25	1912		1159
(Res. A. 1104)														
So. Platte River ..	Hollingsworth, Clark.....	Ogallala .....	Hollingsworth Canal.....	Irrig.	30.00	12	13	39	Keith.....	June	5	1894	723	
So. Platte River ..	Reck, Wm. J.....	Big Springs...	Miller-Warren Canal.....	Irrig.	.57	7	12	42	Deuel.....	Jan.	5	1895	805	
So. Platte River ..	Meyer, Henry.....	Brule .....	Meyer Canal.....	Irrig.	1.46	22	13	40	Keith.....	Apr.	14	1896		283
So. Platte River ..	Western Irr. Dist.....	Big Springs...	Western Canal.....	Irrig.	180.29	14	12	43	Deuel.....	June	14	1897		393
So. Platte River ..	Beal, Orvill.....	Brule .....	Beal Power Plant.....	Power	17.60	20	13	40	Keith.....	Sept.	20	1921		1619
So. Platte River ..	Beal, Orvill.....	Brule .....	Beal Canal.....	Irrig.	5.00	20	13	40	Keith.....	Sept.	20	1921		1620

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.
						S	T	R	County	Month		
So. Platte River	Goodall, Robt. Et Al	Ogallala		Stor.				Deuel	Dec.	17	1921	1630*
So. Platte River	Western Irr. Dist.	Big Springs	Western Irr. Dist.	Irrig.	11.43	14	12	43 Keith	Sept.	11	1926	1804
So. Platte River	Junge, M. F.	Big Springs	Junge Canal	Irrig.	1.07	31	13	41 Keith	Nov.	22	1926	1857
So. Platte River	Paxton Irr. Dist.	Paxton	Paxton Irr. Dist. Canal	Irrig.	70.19	1	13	38 Keith	Nov.	22	1926	1874
Spotted Tail Cr., Dry	Stewart, H. G.	Mitchell	Stewart Canal	Irrig.	1.00	10	23	56 Scotts Bluff	May	2	1898	449
Spotted Tail Cr., Dry	Hrasky, Frank & Chas.	Mitchell	Roberts Canal	O. D.		16	23	56 Scotts Bluff	Nov.	6	1912	918 1241
Spotted Tail Cr., Dry, Springs	Great Western Sugar Co.	Scottsbluff	Mitchell Factory	Mfg.	15.00	21	23	56 Scotts Bluff	Mar.	24	1920	1582
Trib to	Young, Thos. H.	Mitchell	Spring Cr. Res.	Ice		15	27	23 56 Scotts Bluff	Feb.	3	1920	1642
Spotted Tail Cr., Dry-Springs				A. F.								
Trib. to	Wallace, Wm. E.	Mitchell	Stewart Res.	Irrig.	1.43	2	23	56 Scotts Bluff	Mar.	2	1904	743
Spotted Tail Cr., Wet	Wallace, Wm. E.	Mitchell	Brown Canal	Irrig.	2.28	2	23	56 Scotts Bluff	Mar.	17	1911	1072
Spotted Tail Cr., Wet												
Spring Branch	Brogan Bros.	Keystone	Brogan Bros. Canal	Irrig.	.57	35	15	37 Keith	Sept.	24	1897	410
Spring Branch (Warm Slough)	Walter, Jacob J.	Gibbon	Walter Pump	Irrig.	1.14	31	9	13 Buffalo	Feb.	17	1927	1900
Spring Creek	Peterson, E. J.	Lemoyné	Spring Cr. Canal	Irrig.	.57	12	15	40 Keith	June	18	1894	724
Spring Creek (Buffalo Cr. W.)	Jensen, Anton	Cozad	Jensen Canal	Irrig.	.56	23	11	23 Dawson	July	27	1925	1772

\* Denotes application not approved.

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

Source	Name of Claimant	Post-Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D Yr.	
Spring Creek..... (Buffalo Cr. W.)	Anders, Ida M.....	Cozad	Anders Canal.....	Irrig.	1.10	23	11	23	Dawson.....	July	27	1925	.....	1773
Spring Creek..... (Buffalo Cr. W.)	Gardner, H. C.....	Cozad	Gardner Pump.....	Irrig.	1.00	30	12	23	Dawson.....	Apr.	11	1927	.....	1934
Spring Creek.....	Siebenaler, Mat.....	Elm Creek	Siebenaler Pump.....	Irrig.	2.31	6	8	19	Dawson.....	Nov.	22	1927	.....	1963
Spring Cr., Lit..	Keystone Irr. Co.....	Keystone	Little Spring Canal.....	Irrig.	.57	29	10	27	Keith.....	Apr.	1	1903	.....	659
Spring Cr., Lit..	Beatty, Wallace D.....	Scottsbluff	Shramek Canal.....	Irrig.	1.50	22	22	55	Scotts Bluff.	June	9	1913	.....	1295
Spring Cr., Lit..	Gilchrist, M. B.....	Scottsbluff	Gilchrist Canal.....	Irrig.	.14	22	22	55	Scotts Bluff.	July	29	1913	.....	1310
Spring Cr., Lit..	McClenahan, E.....	Scottsbluff	Shramek Ext.....	Irrig.	.57	22	22	55	Scotts Bluff.	July	30	1917	.....	1492
Spring Cr., Lit..	Nelson, Martin.....	Scottsbluff	Shramek Ext.....	Irrig.	.14	22	22	55	Scotts Bluff.	June	3	1918	.....	1515
Springs, Trib. to Middle Cr.....	Bartling, Henry.....	Redington	Bartling Canal.....	Irrig.	.29	28	18	51	Morrill.....	July	31	1891	870	.....
Springs, Trib. to Middle Cr.....	Bartling, Henry.....	Redington	Bartling Canal.....	Irrig.	.29	28	18	51	Morrill.....	June	1	1894	891	.....
White Horse Cr..	Lamlough, Harry.....	North Platte.	Lamlough Lake.....	Irrig.	2.86	8	14	30	Lincoln.....	Dec.	31	1883	658	.....
White Horse Cr..	Bratt, John.....	North Platte.	Bratt Canal.....	Irrig.	6.00	9	14	30	Lincoln.....	Aug.	25	1913	.....	1316
White Tail Cr....	McCarthy, J. M.....	Keystone	McCarthy Canal.....	Irrig.	1.00	36	15	38	Keith.....	July	15	1890	749	.....
White Tail Cr....	Keystone Irr. Co.....	Keystone	Halloway-Phelps Canal.	Irrig.	3.86	36	15	38	Keith.....	June	1	1892	717	.....
White Tail Cr....	McGinley, Geo. Et Al.....	Keystone	Foster-Keystone Canal...	Irrig.	8.57	26	15	38	Keith.....	Oct.	30	1894	730	.....
White Tail Cr....	Noble, Bert A.....	Keystone	Reed Canal.....	Irrig.	.57	15	15	38	Keith.....	May	15	1895	751	.....
White Tail Cr....	Keystone Irr. Co.....	Keystone	Keystone Canal.....	Irrig.	39.00	26	15	38	Keith.....	Apr.	26	1902	.....	662b
White Tail Cr.,	Keystone Irr. Co.....	Keystone	Keystone Canal.....	Irrig.	4.30	26	15	38	Keith.....	Nov.	30	1906	.....	843
White Tail Cr....	Keystone Irr. Co.....	Keystone	Keystone Canal.....	Irrig.	7.41	27	15	38	Keith.....	May	27	1910	.....	1003

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Willow Creek	Banner County Bank.....	Harrisburg	Willow Springs Canal No. 1.....	Irrig.	.57	16	19	56	Banner.....	Jan.	21	1902	.....	650
Willow Creek	Banner County Bank.....	Harrisburg	Willow Springs Canal No. 2.....	Irrig.	.86	16	19	56	Banner.....	Jan.	21	1902	.....	651
Willow Creek	Cross, Inez V.....	Harrisburg	Cross Canal.....	Irrig.	1.40	16	19	56	Banner.....	May	8	1926	.....	1808
Winters Creek	Bouton, Chas. A.....	Gering	Bouton Canal.....	Irrig.	1.00	3	22	54	Scotts Bluff.	Aug.	17	1889	923	.....
Winters Creek (No. Platte R.)	Winters Creek Irr. Co..	Scottsbluff	Winters Cr. Canal.....	O. D.		19	22	54	Scotts Bluff.	Feb.	2	1916	952	1446
Winters Creek	Great West. Sugar Co..	Scottsbluff	Scottsbluff Factory.....	Mfg.	15.00	19	22	54	Scotts Bluff.	Oct.	4	1920	.....	1592
Wood River	Ashburn, J. N.....	Gibbon	Ashburn Canal.....	Power	40.00	13	9	14	Buffalo.....	Nov.	1	1873	993	.....
Wood River	Bearss, Guy S.....	Kearney	Bearss Canal.....	Power	25.49	13	9	16	Buffalo.....	May	1	1881	995	.....
Wood River	Klein, J. J.....	Kearney	White Bridge Park.....	Irrig.	.03	8	9	15	Buffalo.....	Mar.	14	1900	.....	545a
Wood River	Klein, J. J.....	Kearney	White Bridge Park.....	Power	10.00	8	9	15	Buffalo.....	Mar.	14	1900	.....	545b
Wood River	Jacobsen, C. A.....	Riverdale	Jacobsen Canal.....	Irrig.	.50	31	10	16	Buffalo.....	Nov.	10	1910	.....	1038
Wood River	Kimbrough, Cora.....	Shelton	Kimbrough Canal.....	Irrig.	4.00	36	10	13	Buffalo.....	Sept.	21	1912	.....	1227
Wood River	Jacobsen, C. A.....	Riverdale	Jacobsen Canal.....	Stor.	†9000	31	10	10	Buffalo.....	Feb.	3	1920	.....	1576
Wood River	Haug, James.....	Shelton	Haug Pump.....	Irrig.	.64	7	9	13	Buffalo.....	Sept.	7	1920	.....	1590
Wood River	Peterson, C.....	Shelton	Peterson Pump.....	Irrig.	1.07	10	9	13	Buffalo.....	July	11	1921	.....	1611
Wood River	Nutter, M. D.....	Shelton	Nutter Pump.....	Irrig.	2.28	8	9	13	Buffalo.....	Aug.	29	1921	.....	1616
Wood River	Rodgers, J. H.....	Gibbon	Rodgers Pump.....	Irrig.	.30	14	9	14	Buffalo.....	Feb.	4	1922	.....	1641
Wood River	Nebr. Conf. Assn. of Seven Day Adventists..	Shelton	Shelton Academy Pump..	Irrig.	2.28	31	10	12	Hall.....	Feb.	16	1922	.....	1643

† Acre feet per Annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D Yr.	
Wood River.....	Haug, James.....	Shelton .....	Haug Pump No. 2.....	Irrig.	.92	9	9	13	Buffalo.....	Feb.	28	1922	.....	1644
Wood River.....	Hallen, Hjalmar.....	Kearney .....	Hallen Reservoir.....	Stor.	†2 AF	5	9	16	Buffalo.....	Apr.	4	1922	.....	1654
Wood River.....	Hallen, Hjalmar.....	Kearney .....	Hallen Dam.....	Irrig.		5	9	16	Buffalo.....	Apr.	17	1922	.....	1656
Wood River.....	Hallen, Hjalmar.....	Kearney .....	Hallen Power Plant.....	Power		5	9	16	Buffalo.....	Apr.	17	1922	.....	1657*
Wood River.....	Durtschi, Rudolph.....	Wood River.....	Durtschi Pump.....	Irrig.	1.11	18	10	11	Hall.....	May	22	1922	.....	1668
Wood River.....	Howe, Lloyd M.....	Wood River.....	Howe Pump.....	Irrig.	.54	17	10	11	Hall.....	July	14	1922	.....	1679
Wood River.....	Wilson, C. C.....	Omaha .....	Wilson Pump.....	Irrig.	1.21	14	9	15	Buffalo.....	Nov.	15	1922	.....	1693
Wood River.....	Smith, Evan T.....	Shelton .....	Smith Pump.....	Irrig.	1.09	1	9	13	Buffalo.....	Jan.	12	1923	.....	1702
Wood River.....	Ross, W. M.....	Gibbon .....	Ross Pump.....	Irrig.	.26	13	9	14	Buffalo.....	Apr.	28	1924	.....	1743
Wood River.....	Foley, Malick T.....	Kearney .....	Foley Pump.....	Irrig.	1.76	36	10	17	Buffalo.....	Dec.	2	1924	.....	1753
Wood River.....	Richardson, Frank.....	Gibbon .....	Richardson Pump.....	Irrig.	.49	13	9	14	Buffalo.....	Sept.	8	1925	.....	1780
Wood River.....	Wilcox, Eva C.....	Gibbon .....	Wilcox Pump.....	Irrig.	.90	8	9	13	Buffalo.....	Jan.	22	1926	.....	1793
Wood River.....	Nutter, John N.....	Gibbon .....	Darby Pump.....	Irrig.	.70	8	9	13	Buffalo.....	Feb.	10	1926	.....	1794
Wood River.....	Kirk, I. A.....	Gibbon .....	Kirk Pump.....	Irrig.	2.57	4	9	14	Buffalo.....	Feb.	23	1926	.....	1797
Wood River.....	Langan, Thos.....	Wood River.....	Langan Pump.....	Irrig.	1.14	9	10	11	Hall.....	Mar.	19	1926	.....	1800
Wood River.....	McConnell, M. C.....	Gibbon .....	McConnell Pump.....	Irrig.	3.43	7	9	13	Buffalo.....	Apr.	21	1926	.....	1805
Wood River.....	Mercer, Howard R.....	Gibbon .....	Mercer Pump.....	Irrig.	.80	9	9	14	Buffalo.....	May	25	1926	.....	1814
Wood River.....	Oliver Bros.....	Shelton .....	Wood River Pump.....	Irrig.	1.57	2	9	13	Buffalo.....	June	15	1926	.....	1818
Wood River.....	Carlson, Carl E.....	Shelton .....	Carlson Pump.....	Irrig.	1.10	39	10	13	Buffalo.....	July	19	1926	.....	1830
Wood River.....	Hayman, O. O.....	Shelton .....	Hayman Pump.....	Irrig.	.57	4	9	13	Buffalo.....	July	20	1926	.....	1831
Wood River.....	Power & Son.....	Gibbon .....	Power Pump.....	Irrig.	.41	13	9	14	Buffalo.....	July	24	1926	.....	1834
Wood River.....	Schnoor, Jacob.....	Amherst .....	Schnoor Pump.....	Irrig.	.80	16	10	17	Buffalo.....	Oct.	18	1926	.....	1867
Wood River.....	Oliver, Henry E. Jr.....	Shelton .....	Oliver Pump.....	Irrig.		9	9	13	Buffalo.....	Feb.	29	1928	.....	1987
Wood River.....	Haug, James.....	Shelton .....	Haug Res.....	Stor.		9	9	13	Buffalo.....	May	14	1928	.....	2018
Res. A. 2018.....	Haug, James.....	Shelton .....	Haug Canal No. 3.....	Irrig.		9	9	13	Buffalo.....	May	14	1928	.....	2019

† Acre feet per Annum.

\* Application pending.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Arickaree River....	Jenkins, Chas. T.....	Haigler .....	Haigler Res. & Irr. Can.	Irrig.	171.00	15	1	42	St. of Colo..	Jan.	21	1910	.....	979
Beaver Creek.....	Newton, Thos. F.....	Beaver City .....	Newton Pump.....	Irrig.	.97	10	2	21	Furnas.....	Apr.	11	1927	.....	1923
Beaver Creek.....	Versaw, Paul E.....	Beaver City .....	Versaw Pump.....	Irrig.	1.22	22	2	23	Furnas.....	Feb.	11	1928	.....	1982
Bell Creek, Trib. to Repub. ....	Bell, J. E.....	Superior .....	Valley Reservoir.....	Stor.		29	1	6	Nuckolls.....	Apr.	30	1928	.....	2013†
Buffalo Creek.....	Allen, Frank B. Et Al.	Haigler .....	Allen-Larned Canal .....	Irrig.	6.00	18	1	40	Dundy.....	Oct.	16	1890	117	.....
Buffalo Creek.....	Porter, J. R. & Son.....	Haigler .....	Porter Canal.....	Irrig.	2.86	1	1	41	Dundy.....	Nov.	26	1890	171	.....
Buffalo Creek.....	Jenkins, Chas. T.....	Haigler .....	Jenkin Canal No. 1.....	Irrig.	4.29	18	1	40	Dundy.....	Dec.	12	1908	.....	924
Buffalo Creek.....	Porter Land & Inv. Co.	Haigler .....	Porter Canal.....	Irrig.	3.32	1	1	41	Dundy.....	June	23	1913	.....	1298
Brush Creek.....	Lofton, Frank S.....	McCook .....	Brush Creek Reservoir.....	Stor.	†1250	3	2	29	Red Willow.	June	1	1912	.....	1201
Bushy Creek.....	Young, Lee.....	Maywood .....	Young Canal.....	Irrig.	A. F. .20	33	8	29	Frontier.....	Apr.	5	1927	.....	1921
Canyon No. 10..... (Frenchman R.)	Wacker, Geo.....	Culbertson .....	Wacker Canal.....	O. D.		17	3	31	Hitchcock.....	Sept.	4	1918	10	1523
Canyon No. 10..... (Frenchman R.)	Crews, C. G.....	Culbertson .....	Farmers Canal.....	O. D.		17	3	31	Hitchcock.....	Jan.	21	1920	10	1573
Center Creek.....	Gregory, A. B. & P. C.....	Franklin .....	Gregory Canal.....	Irrig.	2.00	1	1	15	Franklin.....	Aug.	11	1894	182	.....
Center Creek.....	Joy, C. G. Et Al.....	Franklin .....	Blank & Joy Canal.....	Irrig.		1	1	15	Franklin.....	Aug.	17	1928	.....	2025
Cook Creek.....	Haskell, W. G.....	Alma .....	Cook Cr. Canal.....	Irrig.	1.42	33	2	18	Harlan.....	July	21	1917	.....	1491

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.			
						S	T	R	County	Month			D	Yr.	
Cook Creek.....	Shaffer, Frank.....	Alma	Shaffer Canal.....	Irrig.	1.08	33	2	18	Harlan.....	July	10	1918	.....	1517	
Cook Creek.....	Shaffer, Frank.....	Alma	Shaffer Canal.....	Stor.	†4	AF	23	2	18	Harlan.....	Aug.	24	1918	.....	1522
Cottonwood, Big...	Morlan, Henry.....	Bloomington	Bloomington Canal.....	Irrig.	.50	25	2	16	Franklin.....	Dec.	31	1881	185	.....	
Cottonwood, Big...	Siegel, Benj. E.....	Bloomington	Bloomington Mül.....	Irrig.	6.00	25	2	16	Franklin.....	Nov.	23	1898	.....	483	
Cottonwood, Lit..	Gardner, C. D.....	Bloomington	Gardner Canal.....	Irrig.	1.14	6	1	15	Franklin.....	Mar.	20	1922	.....	1647	
Cottonwood, Lit..	Bradshaw, Geo. F.....	Bloomington	Home Irr. Plant.....	Irrig.	.23	6	1	15	Franklin.....	Apr.	27	1922	.....	1661	
Craig Creek.....	Hoylman, M. B.....	Naponce	Hoylman Canal.....	Irrig.	1.69	14	1	17	Harlan.....	Aug.	1	1927	.....	1948	
Crooked Creek.....	Kaley, C. H.....	Red Cloud	Fish Pond.....	Fish	1.00	1	1	11	Webster.....	May	7	1902	.....	665	
Crooked Creek.....	Slawson, E. R.....	Red Cloud	Slawson Ice Pond.....	Stor.	†5	AF	1	1	11	Webster.....	Aug.	8	1912	.....	1213
Crooked Creek.....	Weesner, W. L.....	Red Cloud	Weesner Canal.....	Irrig.	.30	2	11	36	Webster.....	June	23	1925	.....	1765	
Crosby Cr., Trib. to Repub. R.....	Worden, Dorsey.....	Superior	Worden Reservoir.....	Stor.		34	1	6	Nuckolls.....	Mar.	30	1928	.....	1993*	
Crystal Springs...	Newbold, W. G.....	Riverton	Crystal Springs Canal.....	Irrig.	.28	10	2	13	Franklin.....	Aug.	17	1921	.....	1615	
Curtis Creek.....	Nelson, D. O. & H. L.....	Curtis Republican	Nelson Pump.....	Irrig.	.27	36	8	28	Frontier.....	Apr.	19	1927	.....	1927	
Deep Creek.....	Runck, John J.....	City	Runck Pump No. 2.....	Irrig.		22	3	20	Harlan.....	Sept.	18	1928	.....	2030	

\* Application pending.

† Acre feet per Annum.



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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Month	D	Yr.		
Driftwood Creek..	Schmitz, Mrs. J. A.....	McCook .....	Schmitz Irr. Works.....	Irrig.	1.50	12	2	30	Red Willow.	May	3	1913	.....	1287
Driftwood Creek..	Hesterworth, John T.....	McCook .....	Hesterworth Irr. Works..	Irrig.	1.00	14	2	30	Red Willow.	Nov.	17	1913	.....	1332
Driftwood Creek..	Wasson, Monroe A.....	McCook .....	Sylvan Dell Canal.....	Irrig.	2.80	1	2	30	Red Willow.	Dec.	6	1913	.....	1340
Elk Creek.....	Murray, Esther.....	Arapahoe .....	Murray Canal.....	Irrig.	2.85	11	4	23	Furnas.....	Aug.	13	1913	.....	1315
Frenchman River	Athey, H. E.....	Wauneta .....	Wauneta Mills.....	Power	35.00	11	5	26	Chase.....	July	31	1886	178	.....
Frenchman River	Daschosifsky, G.....	Lamar .....	Lamar Rolling Mills.....	Power	30.00	18	6	40	Chase.....	Dec.	30	1887	1013	.....
Frenchman River	Est. of M. H. Yaw.....	Champion .....	Champion Mills.....	Power	28.30	21	6	39	Chase.....	Dec.	31	1887	179	.....
Frenchman River	Sheridan, R. B.....	McCook .....	Aberdeen Canal.....	Irrig.	2.00	3	5	38	Chase.....	July	1	1888	50a	.....
Frenchman River	McGillen, W. J.....	Imperial .....	Harlan Canal.....	Irrig.	2.00	1	5	38	Chase.....	July	1	1888	56	.....
Frenchman R. & Stinking Water Creek .....	Frenchman Valley Irr. Dist. ....	Culbertson .....	Culbertson Canal.....	Irrig.	215.00	31	5	3	Hayes.....	May	16	1890	24-25 29-30	.....
Frenchman River	Kilpatrick Bros.....	Beatrice .....	Champion Canal.....	Irrig.	24.00	23	6	40	Chase.....	Dec.	23	1890	47f	.....
Frenchman River	Sheridan, R. B.....	McCook .....	Aberdeen Canal.....	Irrig.	.50	3	5	38	Chase.....	Feb.	2	1891	50b	.....
Frenchman River	Farmers Canal Co.....	Culbertson .....	Farmers Canal.....	Irrig.	10.00	11	3	32	Hitchcock....	Dec.	19	1893	10	.....
Frenchman River (Canyon No. 10)	Wacker, Geo.....	Culbertson .....	Wacker Canal.....	O. D.		17	3	31	Hitchcock....	Dec.	19	1893	10	1523
Frenchman River (Canyon No. 10)	Crews, C. G.....	Culbertson .....	Farmers Canal.....	O. D.		17	3	31	Hitchcock....	Dec.	19	1893	10	1573
Frenchman River	Fuller, C. D.....	Imperial .....	Fuller Canal.....	Irrig.	25.00	4	5	36	Chase.....	June	12	1894	62	.....
Frenchman River	Riverside Irr. Co.....	Culbertson .....	Riverside Canal.....	Irrig.	12.00	33	4	32	Hitchcock....	July	28	1894	18	.....
Frenchman River	Dissmore, Geo. A.....	Des Moines.....	Frenchman Val. Canal..	Irrig.	10.00	32	5	33	Hayes.....	Aug.	23	1894	38	.....
Frenchman River	Grossback, Rose.....	Wauneta .....	Gould Canal.....	Irrig.	2.00	1	5	38	Chase.....	Oct.	9	1894	67	.....

† This amount affirmed by Supreme Court.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Frenchman River	Sheridan, R. B.....	McCook .....	Grant-Aberdeen Canal.....	Irrig.	2.00	3	5	38	Chase.....	Oct.	16	1894	68	.....
Frenchman River	Maranville, E. Et Al.....	Champion .....	Maranville Canal.....	Irrig.	6.00	12	6	41	Chase.....	Dec.	8	1894	70-71	.....
Frenchman River	Wise, J. S.....	Palisade .....	Wise Canal.....	Irrig.	2.00	15	5	35	Hayes.....	Dec.	28	1894	42	.....
Frenchman River	Woods, John & Francis..	Wauneta .....	N. Gurnsey Canal.....	Irrig.	5.00	3	5	37	Chase.....	Jan.	14	1895	74	.....
Frenchman River	Woods, John & Francis..	Wauneta .....	S. Gurnsey Canal.....	Irrig.	24.00	10	5	37	Chase.....	Jan.	14	1895	- 75	.....
Frenchman River	Inman, Norton.....	Champion .....	Inman Canal.....	Irrig.	1.50	17	6	40	Chase.....	Feb.	28	1895	- 79	.....
Frenchman River	Kilpatrick Bros.....	Beatrice .....	No. Side Canal.....	Irrig.	.79	21	6	39	Chase.....	Feb.	25	1896	.....	246
Frenchman River	Shallenberger, Geo.....	Elwood .....	Shallenberger Canal.....	Irrig.	1.77	25	6	39	Chase.....	Dec.	21	1897	.....	423
Frenchman River	Inman Irr. Co.....	Imperial .....	Inman Canal.....	Irrig.	6.43	17	6	40	Chase.....	Feb.	10	1898	.....	436
Frenchman River	Hoke, J. A.....	Champion .....	Creamery Canal.....	Power	34.40	21	6	39	Chase.....	Dec.	12	1900	.....	591
Frenchman River	Follett-Krotter .....	Palisade .....	Follett-Krotter Pump.....	Irrig.	4.29	35	5	34	Hayes.....	Apr.	30	1903	.....	705
Frenchman River	Follett-Krotter .....	Palisade .....	Follett-Krotter Pump.....	Irrig.	2.57	35	5	34	Hayes.....	Aug.	11	1903	.....	720
Frenchman River	Hagerman, Wm.....	Hamlet .....	Hagerman Canal.....	Irrig.	.86	19	5	34	Hayes.....	Mar.	11	1909	.....	985
Frenchman River	Krotter, F. C.....	Palisade .....	Follett-Krotter Canal.....	Irrig.	10.46	35	5	34	Hayes.....	Jan.	15	1910	.....	975
Frenchman River	Krotter, F. C.....	Palisade .....	Krotter Power Plant.....	Power	55.00	35	5	34	Hayes.....	Aug.	17	1910	.....	1021
Frenchman River	Krotter, F. C.....	Palisade .....	3 .....	Irrig.	2.42	35	5	34	Hayes.....	Dec.	15	1910	.....	1047
Frenchman River	Hoke, J. A.....	Champion .....	Hokes P. & P. Plant.....	Irrig.	2.28	21	6	39	Chase.....	May	1	1911	.....	1094
Frenchman River	Kilpatrick Bros.....	Beatrice .....	Kilpatrick Res. No. 1.....	Stor.	†1000	23	6	40	Chase.....	June	22	1911	.....	1108
Frenchman River	Sheridan, R. B.....	McCook .....	Ext. Aberdeen Canal.....	Irrig.	1.57	2	5	38	Chase.....	July	29	1911	.....	1117
Frenchman River	Theobald & Athey.....	Wauneta .....	Wauneta Power Plant.....	Power	75.00	11	5	36	Chase.....	Nov.	16	1911	.....	1136
Frenchman River	Arteburn, E. E.....	Lincoln .....	Arteburn Stor. Res.....	S. & I.	†1176	11	6	41	Chase.....	Nov.	28	1911	.....	1142
Frenchman River	Bishop, Stephen S.....	Lincoln .....	Inman Stor. Res.....	Stor.	†2540	17	6	40	Chase.....	Dec.	8	1911	.....	1145

† Acre feet per Annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Month	D	Yr.		
Frenchman River (Res. A. 1108)	Kilpatrick Bros.....	Beatrice .....	K.,patrick Res.....	Irrig.	17.00	30	6	39	Chase.....	Jan.	25	1912	.....	1160
Frenchman River	Oliver Bros.....	Wauneta .....	Oliver Bros. Power Plant	Power	50.00	7	5	35	Hayes.....	Apr.	28	1913	.....	1284
Frenchman River	Oliver Bros.....	Wauneta .....	Oliver Bros. Canal.....	Irrig.	3.20	7	5	35	Hayes.....	Apr.	28	1913	.....	1285
Frenchman River	Krotter, F. C.....	Palisade .....	Krotter Power Plant.....	Power	65.00	35	5	34	Hayes.....	Dec.	2	1913	.....	1339
Frenchman River	Village of Imperial.....	Imperial .....	Imperial Power Plant.....	Power	55.00	25	6	39	Chase.....	Feb.	7	1917	.....	1474
Frenchman River	Shallenberger, O. P.....	Imperial .....	Lake Imperial.....	Irrig.	4.57	25	6	39	Chase.....	May	14	1917	.....	1487
Frenchman River	Riverside Ditch Co.....	Culbertson .....	Riverside Canal.....	Irrig.	2.90	33	4	32	Hitchcock.....	July	3	1922	.....	1674
Frenchman River	Severns, Fred.....	Palisade .....	Severns Pump.....	Irrig.	2.01	3	4	33	Hitchcock.....	Sept.	11	1926	.....	1856
Frenchman River	Krotter, F. C.....	Palisade .....	Palisade Res. No. 1.....	Stor.		22	5	35	Hayes.....	Feb.	3	1927	.....	1892*
Frenchman River	Krotter, F. C.....	Palisade .....	Palisade Power Plant.....	Power		32	5	34	Hayes.....	May	24	1927	.....	1930*
						33	5	34						
Frenchman River	Krotter, F. C.....	Palisade .....	Palisade Reservoir.....	Stor.		34	5	34	Hayes.....	May	24	1927	.....	1931*
Frenchman River	Krotter, F. C.....	Palisade .....	Palisade Power Plant.....	Power		7	5	35	Hayes.....	Aug.	4	1927	.....	1951*
Frenchman River	Krotter, F. C.....	Palisade .....	Krotter Imperial Res.....	Stor.	†23990	3	5	38	Chase.....	Feb.	10	1928	.....	1979
					A. F.									
Frenchman River	Krotter, F. C.....	Palisade .....	Krotter-Imperial Power Plant	Power	50.00	3	5	38	Chase.....	Feb.	10	1928	.....	1980
Frenchman River	Wauneta L. & P. Co.....	Wauneta .....	Wauneta Power Plant.....	R. Dam	D. 178	11	5	36	Chase.....	May	7	1928	.....	2015
					A. 1136									
Horse Creek.....	Pringle, Geo. N.....	Parks .....	Horse Creek Canal.....	Irrig.	1.86	23	1	39	Dundy.....	Aug.	31	1885	159 } .....	
													173 } .....	
Horse Creek..... Springs, Trib. to	Pringle, Geo. N.....	Parks .....	Pringle Canal.....	Irrig.	1.57	14	1	39	Dundy.....	May	11	1906	.....	824

\* Application pending.  
† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority		Doc. No.	App. No.
						S	T	R	County	Month	D		
Indian Creek	Thompson & Van Sickle	Benkelman	Thompson-Van Sickle Canal	Irrig.	.93	8	2	37	Dundy	June	20	1895	237
Indian Creek	Chamberlain, J. C.	Mt. Sterling, Ill.	Chamberlain Canal	Irrig.	.06	18	2	36	Dundy	Oct.	4	1895	240
Indian Creek	Foster, Chas.	Max	Wilson Canal	Irrig.	1.42	23	2	36	Dundy	June	22	1895	268
Indian Creek	Stonberg, Sanford	Max	Stonberg Canal	Irrig.	1.00	2	2	37	Dundy	Mar.	13	1911	1070
Indian Creek	Phillip, Daniel	Red Cloud	Phillip Pump	Irrig.	2.21	21	2	11	Webster	Jan.	9	1926	1791
Indian Creek	Ramey, O. E.	Red Cloud	Ramey Pump	Irrig.	3.87	20	2	11	Webster	Jan.	19	1926	1792
Indian Creek	Daniels, E. E.	Max	Daniels Canal	Irrig.	.03	23	2	36	Dundy	Sept.	9	1926	1851
Macklin Creek	Bradley, Francis E.	Trenton	Bradley Pump	Irrig.		1	2	34	Hitchcock	Mar.	7	1928	1989
Trib. to Repub. R.													
Macklin Creek	Thuman, A.	Trenton	Cemer Pump	Irrig.		26	3	34	Hitchcock	Mar.	28	1928	1992
Trib. to Repub. R.													
Mauer Springs	C. B. & Q. R. R.	Lincoln	Burlington Pipe Line	Irrig.	1.48	23	2	11	Chase	Nov.	28	1911	1143
Medicine Creek	Cambridge Milling Co.	Cambridge	Cambridge Canal	Power	68.00	29	4	25	Furnas	Dec.	31	1878	92-93
Medicine Creek	Sanders, John L.	Stockville	Sanders Canal	Irrig.	1.43	27	7	27	Frontier	Feb.	18	1895	83
Medicine Creek	Crete Mills	Curtis	Curtis Lake	Power		32	8	28	Frontier				364*
Medicine Creek	Maywood Milling Co.	Maywood	Maywood Mills	Power	11.88	16	8	29	Frontier	May	4	1907	858
Medicine Creek	Nelson, Elmer F.	Maywood	Nelson Pump	Irrig.	.61	21	8	29	Frontier	Oct.	2	1926	1865
Muddy Creek	Larson, Oscar F.	Arapahoe	Larson Pump	Irrig.	3.53	17	4	23	Furnas	Feb.	9	1927	1898
Muddy Creek	Michel, Geo. N.	Arapahoe	Michel Pump	Irrig.		15	4	23	Furnas	Oct.	13	1928	20

\* Application pending.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Month			D
Red Willow Creek	Moore, Wm. H.	Indianola	Red Willow Mill	Power	16	3	28	Red Willow	Jan.	1	1886	181	.....
Red Willow Creek	Helm, John F.	McCook	Helm Canal	Irrig.	.93	8	3	28	Red Willow	Dec.	15	1910	1042
Red Willow Creek	Hadley, Flora B.	McCook	Hadley Canal	Irrig.	8.43	16	3	28	Red Willow	Oct.	22	1927	1964
Red Willow Lake	Cooper, Jas.	Wallace	Red Willow Canal	Irrig.	2.00	36	9	33	Lincoln	Dec.	20	1893	647
Republican River	Nebr. Electric Power Co.	Arapahoe	Arapahoe Star Mills	Power	196.00	27	4	23	Furnas	July	24	1879	1029
Republican River	Carson, A.	McCook	Carson Canal No. 1	Irrig.	1.43	27	3	30	Red Willow	July	1	1888	103
Republican River	Pioneer Irr. Co.	Haigler	Haigler Canal	Irrig.	77.00	2	1	43	Dundy	Apr.	4	1890	1025
Republican River	Brown, W. A.	Haigler	Sand Point Canal	Irrig.	11.00	11	1	42	Dundy	Sept.	25	1890	115
Republican River	Dundy Co. Irr. Co.	Benkelman	Dundy County Canal	Irrig.	45.00	24	1	39	Dundy	Nov.	22	1890	118
Republican River	Trites, W. H. Et Al.	Culbertson	Trites-Davenport Canal	Irrig.	7.00	20	3	31	Hitchcock	Dec.	18	1890	3
Republican River	McCook I. & W. P. Co.	McCook	Meeker Canal	Irrig.	143.00	15	3	31	Hitchcock	Dec.	22	1890	4-9 8-7
Republican River	Trenton Farmers Irr. Assn.	Trenton	Trenton Farmers Canal	Irrig.	32.00	10	2	34	Hitchcock	Dec.	24	1890	5
Republican River	Carson, A.	McCook	Carson Canal No. 2	Irrig.	18.00	27	3	30	Red Willow	May	5	1891	102
Republican River	Neighbors, E. G.	Benkelman	Neighbors Canal	Irrig.	2.86	24	1	39	Dundy	Mar.	15	1891	133
Republican River	Cambridge & Arapahoe Irr. & Imp. Co.	Arapahoe	Cambridge & Arapahoe Canal	Irrig.	170.00	28	4	25	Furnas	Aug.	26	1891	89
Republican River	Republican Irr. Co.	Benkelman	Republican River Canal	Irrig.	30.00	29	1	38	Dundy	May	2	1892	147 148
Republican River	Larned, W. H. et al.	Haigler	White-Larned Canal	Irrig.	3.00	22	1	40	Dundy	Apr.	29	1893	150
Republican River	Marr, Lorenzo	Culbertson	Marr Canal	Irrig.	4.29	16	3	31	Hitchcock	Jan.	22	1894	11
Republican River	Anderson, Anders.	Benkelman	Anderson Canal	Irrig.	1.90	1	1	37	Dundy	Jan.	26	1894	151
Republican River	Thomas, A. J.	Haigler	Thomas Canal	Irrig.	2.00	24	1	40	Dundy	June	5	1894	154
Republican River	Ballard, Henry L.	Oxford	Ballard Canal	Irrig.	8.00	8	3	21	Furnas	June	9	1894	91

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Republican River	Wilcox, F. S.....	McCook .....	Wilcox Canal.....	Irrig.	4.50	32	3	29	Red Willow.	Oct.	4	1894	109	.....
Republican River	Delaware-Hickman Ditch Co. ....	Benkelman ...	Delaware-Hickman Canal	Irrig.	20.00	17	1	37	Dundy.....	Jan.	7	1895	157	.....
Republican River	Allen, E. M. Et AL.....	Arapahoe .....	Allen Canal.....	Irrig.	14.00	2	3	26	Red Willow.	Jan.	26	1895	110	.....
Republican River	Spooner, J. A.....	Parks .....	Private Canal.....	Irrig.	1.00	25	1	40	Dundy.....	Oct.	7	1897	.....	413
Republican River	Hamilton, Henry L.....	McCook.....	Harmon Canal.....	Ice	10.00	32	3	29	Red Willow.	Jan.	22	1900	.....	535
Republican River	Walsh, Patrick.....	McCook .....	Walsh Canal.....	Irrig.	11.00	35	3	30	Red Willow.	Jan.	31	1900	.....	537
Republican River	Rogers, W. N.....	McCook .....	Shadeland Park Canal...	Irrig.	38.00	26	3	29	Red Willow.	Jan.	3	1911	.....	1049
Republican River	McConnell Bros.....	Trenton .....	McConnell Bros. Canal.	Irrig.	180.00	10	2	34	Hitchcock...	Jan.	23	1911	.....	1055
Republican River	Hurst, J. C. Et AL.....	Trenton .....	Hurst-Day Canal.....	Irrig.	7.00	28	2	35	Hitchcock...	Mar.	2	1911	.....	1068
Republican River	Cappel, Geo.....	McCook .....	Cappel Canal.....	Irrig.	1.57	19	3	30	Red Willow.	May	1	1911	.....	1093
Republican River	Rogers, W. M.....	McCook .....	Shadeland Park Canal...	Irrig.	7.00	25	3	29	Red Willow	Sept.	28	1911	.....	1129
Republican River	Anderson, C. Et AL.....	Benkelman ...	Cottonwood Canal.....	Irrig.	3.35	6	1	36	Dundy.....	Feb.	19	1912	.....	1172
Republican River	Rupert Ditch Co.....	Culbertson ..	Rupert Canal.....	Irrig.	20.00	32	3	32	Red Willow.	Apr.	1	1912	.....	1192
Republican River	Pringle, Geo. N.....	Parks .....	Parks Canal.....	Irrig.	17.00	20	1	39	Dundy.....	June	18	1912	.....	1202
Republican River	Kirtland, E. S.....	Orleans .....	Orleans M. & E. Co.....	Power		27	2	19	Harlan.....				1043*	.....
Republican River	Bartlett, Wm. C.....	Alma .....	Lake Disappointment.....	Stor.	†180	32	2	18	Harlan.....	Dec.	18	1915	.....	1442
Republican River	Everson, P. M. & Mitchell, J. C.....	Alma .....	Everson Canal.....	Irrig.	1.07	13	2	18	Harlan.....	Dec.	18	1915	.....	1443
Republican River	Ham, Roy O.....	Benkelman ...	Ham Canal.....	Irrig.	3.47	9	1	37	Dundy.....	Sept.	14	1921	.....	1618
Republican River	Campbell, W. E.....	Trenton .....	Campbell Canal.....	Irrig.	9.27	9	2	34	Dundy.....	Nov.	26	1921	.....	1627
Republican River	Dunlay, J. E.....	Orleans .....	Dunlay Pump.....	Irrig.	5.00	26	2	19	Harlan.....	July	8	1925	.....	1768
Republican River	Fischback, Geo.....	Orleans .....	Fischback Pump.....	Irrig.	1.58	33	2	19	Harlan.....	Aug.	27	1925	.....	1778
Republican River	Stevenson, L. E.....	Alma .....	Stevenson Pump.....	Irrig.	6.34	5	1	18	Harlan.....	Sept.	30	1925	.....	1781

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Republican River	Drummond, Dean.....	Republican City .....	Drummond Pump.....	Irrig.	2.37	11	1	17	Harlan.....	Oct.	13	1925	.....	1782
Republican River	Scott, C. E.....	Alma .....	Scott Pump.....	Irrig.	3.37	36	2	19	Harlan.....	Dec.	22	1925	.....	1789
Republican River	Haeker, K. G.....	Orleans .....	Haeker Pump.....	Irrig.	4.60	35	2	19	Harlan.....	Mar.	2	1926	.....	1798
Republican River	Peterson, Elam.....	Orleans .....	Republican Valley Pump	Irrig.	2.06	27	3	20	Harlan.....	June	18	1926	.....	1821
Republican River	Olson, L.....	Orleans .....	Lake View Project.....	Irrig.	2.50	27	3	20	Harlan.....	June	29	1926	.....	1824
Republican River	Crews, L. E.....	Haigler .....	Crews North Side No. 3	Irrig.	4.00	20	1	41	Dundy.....	June	30	1926	.....	1826
Republican River	Dorsey, Worden.....	Superior .....	Worden Bros. Pump.....	Irrig.	1.04	1	6	32	Nuckolls.....	Sept.	23	1926	.....	1862
Republican River	Workman, Rich.....	Republican City .....	Workman Pump.....	Irrig.	1.10	16	1	17	Harlan.....	Jan.	19	1927	.....	1886
Republican River	Sheffrey, C. E.....	Oxford .....	Sheffrey Pump.....	Irrig.	1.85	16	3	20	Harlan.....	Feb.	28	1927	.....	1906
Republican River	Wintersteen, V. L.....	Republican City .....	Wintersteen Pump.....	Irrig.	.11	12	1	17	Harlan.....	Mar.	17	1927	.....	1914
Republican River	Best, John H.....	Oxford .....	Best Pump.....	Irrig.	1.33	27	3	20	Harlan.....	June	30	1927	.....	1936
Republican River	Wilson, J. F. Jr.....	Guide Rock.....	Wilson Pump.....	Irrig.	.57	14	1	9	Webster.....	July	8	1927	.....	1937
Republican River	Romjue, Carl M.....	Red Cloud .....	Romjue Pump.....	Irrig.		12	1	10	Webster.....	Apr.	16	1928	.....	2005
Republican River	Jansen, Wm.....	Superior .....	Jansen Pump.....	Irrig.		2	1	7	Nuckolls.....	May	14	1928	.....	2017
Republican River	Runck, John J.....	Republican City .....	Runck Pump No. 1.....	Irrig.		27	3	20	Harlan.....	Sept.	18	1928	.....	2029
Republican River North Fork	Pringle, Geo. N.....	Parks .....	Parks Canal.....	Irrig.	2.00	20	1	39	Dundy.....	Dec.	31	1915	.....	1444
Republican River North Fork	Pringle, Geo. N.....	Parks .....	Parks Ext.....	Irrig.	1.14	20	1	39	Dundy.....	Sept.	5	1919	.....	1555
Republican River North Fork	Crews, L. E.....	Haigler .....	Crews Canal No. 2.....	Irrig.	2.59	20	1	41	Dundy.....	Mar.	29	1923	.....	1709

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Republican River South Fork	Southern Nebr. Power Co.	Superior	Guthrie Canal	Power	400.00	34	1	7	Nuckolls	Sept.	1	1877	1036	.....
Republican River South Fork	Karr, J. W.	Benkelman	Karr Canal	Irrig.	2.00	20	1	37	Dundy	July	28	1894	155	.....
Republican River South Fork	Riverside Ditch Co.	Benkelman	Riverside Canal	Irrig.	13.00	29	1	37	Dundy	Aug.	5	1894	156	.....
Republican River South Fork	McDonald, J. A.	Benkelman	McDonald Canal	Irrig.	.79	36	1	38	Dundy	Nov.	13	1901	.....	644
Republican River South Fork	Bailey, W. J.	Oxford	Bailey Canal	Irrig.	64.00	6	3	21	Furnas	Sept.	8	1913	.....	1321
Republican River Springs Trib. to	Pringle, Esther L.	Parks	Pringle Canal	Irrig.	.57	11	1	39	Dundy	Jan.	12	1897	.....	364
Rock Creek	Kara Cattle Co.	Denver	Parks Canal	Irrig.	4.29	17	1	39	Dundy	Dec.	31	1883	138	.....
Rock Creek	Owens, J. S. Et Al.	Parks	Phelan Canal	Irrig.	36.00	31	2	39	Dundy	June	20	1895	.....	265
Rock Creek	Campbell, R. R.	Parks	Rock Creek Canal	Irrig.	33.00	13	2	40	Dundy	Dec.	18	1899	.....	526
Rock Creek	Benkelman Light Assn.	Benkelman	Benkelman Light Assn.	Power	20.00	8	1	39	Dundy	Nov.	30	1912	.....	1245
Rock Creek	Pringle, Geo. N.	Parks	Parks Extension	Supple		17	1	39	Dundy	June	29	1921	.....	1609
Rock Canon Cr.	Rudisell, L. C.	Benkelman	Rudisell Dam	Stor.	10 AF	35	3	37	Dundy	Nov.	26	1927	.....	1970
Sappa Creek	Zulauf, Geo. W.	Stamford	Stamford Mills	Power		21	2	20	Harlan	.....	.....	.....	997*	.....
Sappa Creek	Flodine, A. L.	Stamford	Flodine Pump	Irrig.	1.55	19	2	20	Harlan	Sept.	9	1926	.....	1855
Sappa Creek	Fults, J. F.	Beaver City	Fults Pump	Irrig.	1.48	13	1	23	Furnas	Apr.	6	1927	.....	1922
Spring Creek	Carlson, J. C.	Benkelman	Benkelman Canal	Irrig.	1.29	19	1	37	Dundy	Dec.	31	1896	.....	373

† Acre feet per annum.



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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgata			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D Yr.	
Stinking Wat. Cr.	Kilpatrick Bros.....	Beatrice .....	Chase Co. L. & L. S. Canal .....	Irrig.	2.86	10	7	38	Chase.....	Mar.	10	1894	57	.....
Stinking Wat. Cr.	Crandall & Taylor.....	Imperial .....	McLain Canal.....	Irrig.	2.50	28	7	37	Chase.....	Sept.	24	1894	65	.....
Stinking Wat. Cr.	Kilpatrick Bros.....	Beatrice .....	Chase Co. L. & L. S. Canal No. 7.....	Irrig.	4.57	36	7	37	Chase.....	Dec.	21	1894	72	.....
Stinking Wat. Cr.	Kilpatrick Bros.....	Beatrice .....	Chase Co. L. & L. S. Canal No. 6.....	Irrig.	2.00	18	7	38	Chase.....	Jan.	28	1895	76	.....
Stinking Wat. Cr.	Kilpatrick Bros.....	Beatrice .....	Chase Co. L. & L. S. Canal No. 5.....	Irrig.	1.50	14	7	38	Chase.....	Jan.	29	1895	77	.....
Stinking Wat. Cr.	Kilpatrick Bros.....	Beatrice .....	Chase Co. L. & L. S. Canal No. 3.....	Irrig.	1.71	14	7	38	Chase.....	Jan.	29	1895	78	.....
Stinking Wat. Cr.	Kilpatrick Bros.....	Beatrice .....	Chase Co. L. & L. S. Canal No. 4.....	Irrig.	.91	14	7	38	Chase.....	June	27	1895	.....	56
Stinking Wat. Cr.	Kilpatrick Bros.....	Beatrice .....	Chase Co. L. & L. S. Canal No. 1.....	Irrig.	.70	4	7	38	Chase.....	June	27	1895	.....	57
Stinking Wat. Cr.	Krotter, F. C.....	Palisade .....	Krotter Power Plant.....	Irrig.	3.00	25	5	34	Hayes.....	Dec.	15	1910	.....	1046
Turkey Creek.....	Wilt & Polly.....	Naponee .....	Wilt & Polly Canal.....	Power		4	1	16	Franklin.....	Dec.	31	1874	183	.....
Turkey Creek.....	Carpenter, Henry.....	Edison .....	Carpenter Canal.....	Irrig.	.71	30	4	21	Furnas.....	Sept.	18	1926	.....	1861
Turkey Creek.....	Watson, John W. E.....	Oxford .....	Watson Pump.....	Irrig.	2.80	31	4	21	Furnas.....	Nov.	30	1926	.....	1876
Turkey Creek.....	Post, Walter A.....	Naponee .....	Post Pump.....	Irrig.	1.90	8	1	16	Furnas.....	May	27	1927	.....	1933
Turkey Creek.....	Johnson, Mathew H.....	Oxford .....	Johnson Pump.....	Irrig.	1.18	5	3	21	Furnas.....	May	30	1927	.....	1934
Turkey Creek.....	Wengert, J. H.....	Oxford .....	Wengert Pump.....	Irrig.	.94	4	3	21	Harlan.....	July	9	1927	.....	1938
Turkey Creek.....	Sindt, Henry.....	Naponee .....	Sindt Pump.....	Irrig.	1.00	17	2	16	Franklin.....	July	30	1926	.....	1838
Stream, Trib. to						18	2	16						

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.			
						S	T	R	County	Month			D	Yr.	
Blue Creek, W.....	Warren, Herbert F.....	Trumbull .....	Warren .....	Irrig.	.16	13	8	9	Adams.....	Nov.	26	1927	.....	1971	
Little Blue River	Southern Nebr. Power Co. ....	Superior .....	Oak Mill Race.....	Power	.16	3	5	Nuckolls.....	.....	.....	.....	.....	991*	.....	
Little Blue River	Larkins, M. H.....	Hastings .....	Crystal Lake.....	Stor.	†32	AF	2	6	10	Adams.....	Aug.	17	1912	.....	1219
Little Blue River	Lyon, Geo. Jr.....	Nelson .....	Lyon Lit. Blue Electric Co. ....	Power	150.00	29	4	6	Nuckolls.....	Apr.	26	1915	.....	1410	
Little Blue River	Southern Nebr. Pow. Co.	Superior .....	Lyon Canal.....	Irrig.	4.00	13	4	6	Nuckolls.....	Apr.	26	1915	.....	1411	
			Meyer Hydro. Elec. Power Plant.....	Power	150.00	16	3	5	Nuckolls.....	July	27	1916	.....	1467	
Little Blue River	Larkins, H. M.....	Hastings .....	Crystal Lake.....	Irrig.	.70	27	6	10	Adams.....	Nov.	9	1918	.....	1526	
Little Blue River	Bozarth-Carter .....	Hebron .....	Hebron Power Plant.....	Power	216.00	9	2	2	Thayer.....	Mar.	31	1919	.....	1533	
Little Blue River	Campbell, J. T.....	Hebron .....	Blue Valley Power Co..	Power	200.00	5	2	1	Thayer.....	May	28	1919	.....	1542	
Little Blue River	Larkins, H. M.....	Hastings .....	Larkins & Son Canal.....	Power	1.50	27	6	10	Adams.....	Nov.	20	1920	.....	1594	
Little Blue River	Hulbert, Chas.....	Fairbury .....	Hulbert Canal.....	Irrig.	.02	22	2	2	Jefferson.....	Aug.	7	1922	.....	1685	
Little Blue River	Kassebaum, Wm.....	Hebron .....	Kassebaum Power Plant	Power	250.00	29	3	2	Jefferson.....	Nov.	13	1923	.....	1726	
Little Blue River	Dunn, F. J.....	Hastings .....	Blue Valley Yacht Club	Stor.	10	5	9	Adams.....	May	23	1924	.....	1745		
Little Blue River	Steel, R. B.....	Fairbury .....	Steel, Sand & Mining Project	Mfg.	22	2	2	Jefferson.....	Aug.	16	1926	.....	1847*		
Little Blue River	Kistler, Geo. S.....	Roseland .....	Kistler Pump.....	Irrig.	.08	9	5	11	Adams.....	Nov.	1	1926	.....	1869	
Little Blue River	Coxbill, James.....	Deweese .....	ap Pump.....	Irrig.	.81	31	5	7	Clay.....	Dec.	8	1926	.....	1878	
Little Blue River	Gaudreault, I. S.....	Hastings .....	Gaudreault Pump.....	Irrig.	.39	26	6	10	Adams.....	Feb.	22	1927	.....	1903	
Little Blue River	Pratt, H. G.....	Hastings .....	Pratt Pump .....	Irrig.	1.01	28	6	10	Adams.....	Feb.	23	1927	.....	1904	

\* Application pending.  
 † Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Little Blue River	Logan, John S.....	Fairfield .....	Logans Canal.....	Irrig.	1.88	33	5	7	Clay.....	Mar.	7	1927	.....	1907
Little Blue River	Knopf, Clyde L.....	Pauline .....	Knopf Pump.....	Irrig.	1.60	25	6	10	Adams.....	Mar.	8	1927	.....	1908
Little Blue River	Graham, Harry.....	Ayr .....	Graham Pump.....	Irrig.	.80	13	5	11	Adams.....	Mar.	8	1927	.....	1909
Little Blue River	City of Fairbury.....	Fairbury .....		Mfg.	16.4	15	2	2	Jefferson.....	Oct.	22	1927	.....	1963
Little Blue River	Hornberger, Thos.....	Ayr .....	Hornberger Pump.....	Irrig.	2.19	14	5	11	Adams.....	Jan.	24	1928	.....	1978
Little Blue River	Grant, Wm.....	Lincoln .....	Little Blue Plant No. 1	Power	240.00	9	2	2	Jefferson.....	Oct.	16	1928	.....	2043*
Little Blue River	Grant, Wm.....	Lincoln .....	Little Blue Plant No. 2	Power	260.00	26	2	2	Jefferson.....	Oct.	16	1928	.....	2044*

\* Application pending.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D Yr.	
Bear Creek.....	Mangus, Jerry T.....	Beatrice .....	Mangus Pump.....	Irrig.	.50	21	4	6	Gage.....	Jan.	24	1927	.....	1887
Bear Creek.....	State Board of Control...	Lincoln .....	Feeble Minded Inst. Pump .....	Irrig.	.96	6	4	6	Gage.....	Apr.	22	1928	.....	2010
Beaver Creek.....	Wright, G. D.....	York .....	Wrights Canal.....	Power	40.00	7	10	2	York.....	Nov.	1	1878	.....	963
Big Blue River.....	Black Bros. Flour Mills.	Beatrice .....	Black Bros. Plant..... (Beatrice)	Power	300.00	33	4	6	Gage.....	Jan.	11	1860	.....	1048
Big Blue River.....	Iowa-Nebr. L. & P. Co.....	Lincoln .....	Milford Mills.....	Power	300.00	2	9	3	Seward.....	.....	.....	1866	.....	1044
Big Blue River..... (See A. 1692-1698-1730-1732)	Gage Co. Elec. Co., The	Beatrice .....	Black Bros. Plant..... No. 2 (Blue Springs)	Power	450.00	17	2	7	Gage.....	.....	.....	1868	.....	1047
Big Blue River.....	Zwonechek & Askamit....	Wilber .....	Mill & Electric Plant...	Power	200.00	19	5	5	Gage.....	Jan.	1	1875	.....	1046
Big Blue River..... (See A. 1095)	Iowa-Nebr. L. & P. Co.	Lincoln .....	Homesville Power Plant Blue River Power Sta.	Power	500.00	29	3	7	Gage.....	Jan.	1	1903	.....	1046
Big Blue River.....	Iowa-Nebr. L. & P. Co.	Lincoln .....	No. 1.....	Power	200.00	19	9	4	Seward.....	July	8	1910	.....	1006
Big Blue River.....	Iowa-Nebr. L. & P. Co.	Lincoln .....	Holmesville Power Plant	R. Dam	D. 1021	29	3	7	Gage.....	May	3	1911	.....	1096
Big Blue River.....	Jacobs, E.....	Staplehurst .....	Jacobs Power Plant.....	Power	41.00	26	12	2	Seward.....	Nov.	13	1911	.....	1135
Big Blue River..... (See A. 1520)	Iowa-Nebr. L. & P. Co	Lincoln .....	Big Blue Plant No. 2.....	Power	100.00	32	9	3	Seward.....	Jan.	3	1912	.....	1153
Big Blue River..... (See A. 1585 & A. 1788)	Beatrice Power Co.....	Barneston .....	Barneston Power Plant...	Power	500.00	13	1	7	Gage.....	Feb.	18	1913	.....	1262
Big Blue River..... (See A. 1521-1599-1733-1751)	Iowa-Nebr. L. & P. Co.	Lincoln .....	Blue River Plant No. 3	Power	100.00	5	8	4	Saline.....	Mar.	13	1913	.....	1265

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Big Blue River.....	Mares, Frank.....	Wilber .....	Mares Canal.....	Irrig.	2.28	2	6	4	Saline.....	Aug.	12	1913	.....	1314
Big Blue River.....	C. B. & Q. R. R. Co.....	Lincoln .....	C. B. & Q. Pipe line.....	Irrig.	.50	2	9	3	Seward.....	Apr.	30	1914	.....	1366
Big Blue River.....	C. B. & Q. R. R. Co.....	Lincoln .....	Pipe Line at Wymore.....	Irrig.	.50	21	2	7	Gage.....	Dec.	24	1914	.....	1394
Big Blue River.....	C. B. & Q. R. R. Co.....	Lincoln .....	Pipe Line at Seward.....	Irrig.	.50	21	11	3	Seward.....	Dec.	14	1914	.....	1395
Big Blue River..... (See A. 1752)	Iowa-Nebr. L. & P. Co.....	Lincoln .....	Hydro Electric Plant.....	Power	100.00	32	9	4	Seward.....	Aug.	14	1916	.....	1463
Big Blue River.....	Iowa-Nebr. L. & P. Co.....	Lincoln .....	Power Plant No. 5.....	Power	100.00	11	8	3	Seward.....	Feb.	13	1917	.....	1476
Big Blue River..... (See A. 1761)	Iowa-Nebr. L. & P. Co.....	Lincoln .....	Shestak Power Plant.....	Power	200.00	35	7	4	Saline.....	Feb.	6	1918	.....	1506
Big Blue River..... (See A. 1153)	Iowa-Nebr. L. & P. Co.....	Lincoln .....	Big Blue Plant No. 2.....	R. Dam	A. 1153	32	9	3	Seward.....	Aug.	21	1918	.....	1520
Big Blue River..... (See A. 1265)	Iowa-Nebr. L. & P. Co.....	Lincoln .....	Blue River Plant No. 3	R. Dam	A. 1265	5	8	4	Saline.....	Aug.	27	1918	.....	1521
Big Blue River.....	Beatrice Power Co.....	Barneston .....	Beatrice Power Co.....	R. Dam	A. 1262	13	1	7	Gage.....	May	27	1920	.....	1585
Big Blue River.....	Iowa-Nebr. L. & P. Co.....	Lincoln .....	Wilber Power Plant.....	Power	200.00	12	5	4	Saline.....	Dec.	17	1920	.....	1597
Big Blue River.....	Iowa-Nebr. L. & P. Co.....	Lincoln .....	Blue River Plant No. 3.	R. Dam	A. 1265	5	8	4	Saline.....	Dec.	28	1920	.....	1599
Big Blue River..... (See A. 1731)	Gage Co. Elec. Co., The	Beatrice .....	Black Bros. Plant No. 3	Power	400.00	2	3	6	Gage.....	Oct.	7	1922	.....	1690
Big Blue River.....	Gage Co. Elec. Co., The	Beatrice .....	Black Bros. Plant No. 2	Dredge	D. 1047	17	2	7	Gage.....	Nov.	7	1922	.....	1692
Big Blue River.....	Gage Co. Elec. Co., The	Beatrice .....	Black Bros. Plant No. 2	Dredge	D. 1047	17	2	7	Gage.....	Dec.	15	1922	.....	1698
Big Blue River.....	Seward City Mills.....	Seward .....	Ruby Power Station.....	Power	40.00	15	10	3	Seward.....	Apr.	17	1923	.....	1715
Big Blue River.....	Black Bros. Flour Mills.....	Beatrice .....	Black Bros. Plant No. 3	Dredge	A. 1690	2	3	6	Gage.....	Nov.	26	1923	.....	1731*
Big Blue River.....	Black Bros. Flour Mills.....	Beatrice .....	Black Bros. Plant No. 2	R. Dam	D. 1047	17	2	7	Gage.....	Dec.	15	1923	.....	1732*
Big Blue River.....	Iowa-Nebr. L. & P. Co.....	Lincoln .....	Blue River Plant No. 3	Dredge	A. 1265	5	8	4	Saline.....	Jan.	30	1924	.....	1733
Big Blue River.....	Iowa-Nebr. L. & P. Co.....	Lincoln .....	Blue River Plant No. 3	Dredge	A. 1265	5	8	4	Saline.....	Nov.	21	1924	.....	1751

\* Application pending.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Month			D
Big Blue River.....	Iowa-Nebr. L. & P. Co.	Lincoln .....	Blue River Plant No. 4	Dredge	A. 1463	32	9	7	Seward.....	Nov. 25	1924	.....	1752
Big Blue River.....	Iowa-Nebr. L. & P. Co.	Lincoln .....	Shestaks Power Plant.....	Dredge	A. 1506	35	7	4	Saline.....	Mar. 30	1925	.....	1761
Big Blue River.....	Beatrice Power Co.	Barneston .....	Barneston Power.....	Dredge	A. 1262	13	1	7	Gage.....	Dec. 17	1926	.....	1788
Big Blue River.....	Gage Co. Elec. Co., The	Beatrice .....	Plant No. 5.....	Power	300.00	13	4	5	Gage.....	Oct. 17	1927	.....	1961
Blue River No.....	Nelson, Louie E.....	Inland .....	Nelson Pump.....	Irrig.	.48	27	8	8	Clay.....	Feb. 11	1927	.....	1899
Big Blue River..... W. Fork	Iowa-Nebr. L. & P. Co.	Lincoln .....	Bow Span Plant.....	Power	100.00	26	9	2	Saline.....	Dec. 17	1920	.....	1595
Big Blue River..... W. Fork	Iowa-Nebr. L. & P. Co.	Lincoln .....	Big Bend Plant.....	Power	100.00	11	8	3	Saline.....	Dec. 17	1920	.....	1596
West Blue River.	Warren, Herbert F.....	Trumbull .....	Warren Pump.....	Irrig.	.16	13	8	9	Adams.....	Nov. 26	1927	.....	1971
West Blue River.	Show, Frank.....	McCool Junc..	Show Pump.....	Irrig.	.18	9	2	2	York.....	Oct. 19	1928	.....	2048
Big Blue River & School Creek.....	Garbe, Frank.....	Grafton .....	Blue Park Dam.....	Power Power	66.00	1	8	4	Fillmore..... Saline.....	Aug. 7	1917	..... 990*	1494
Turkey Creek.....	Lane, J. K.....	Pleasant Hill.											
Turkey Creek.....	Lane, J. K.....	Pleasant Hill.	Lane Model Canal.....	Irrig.	0.09	4	7	3	Saline.....	July 16	1895	.....	81
Turkey Creek.....	Lane, J. K.....	Pleasant Hill.	Lane Model Canal.....	Irrig.					Saline.....	July 18	1895	.....	84

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.
						S	T	R	County	Month		
Grace River (Underground)	Green, Chas. D.	Sidney	Individual Pumps	Irrig.				Kimball	May	16	1926	1809*
Lodge Pole Cr.	Forsling, Alfred	Kimball	Owasco Canal	Irrig.	1.20	29	15	55 Kimball	Dec.	31	1876	347R
Lodge Pole Cr.	Gieseking, Herman	Altamont, Ill.	Bickel Canal	Irrig.	.30	30	15	55 Kimball	Dec.	31	1876	347
Lodge Pole Cr.	Gunderson, A.	Potter	Gunderson Canal	Irrig.	1.43	1	14	52 Cheyenne	June	1	1879	305
Lodge Pole Cr.	Fuller, Hubert R.	Sidney	Runge Canal No. 1	Irrig.	1.71	20	14	50 Cheyenne	Apr.	15	1880	339
Lodge Pole Cr.	Fuller, Hubert R.	Sidney	Runge Canal No. 2	Irrig.	.50	28	14	50 Cheyenne	Apr.	15	1882	338
Lodge Pole Cr.	Connelly, John	Sidney	Anderson Canal No. 1	Irrig.	2.50	8	14	51 Cheyenne	June	30	1882	373
Lodge Pole Cr.	Peters Trust Co.	Omaha	Circle Arrow Canal	Irrig.	3.71	29	15	55 Kimball	July	1	1882	346
Lodge Pole Cr.	Callahan, Chas.	Burlington, Wash.	Urbach Canal	Irrig.	.86	15	14	51 Cheyenne	Sept.	1	1882	308
Lodge Pole Cr.	Thomas, Elsie O.	Omaha	Hale Canal No. 3	Irrig.	.57	36	14	51 Cheyenne	Apr.	30	1883	320
Lodge Pole Cr.	Thomas, Elsie O.	Omaha	Hale Canal No. 4	Irrig.	.71	36	14	49 Cheyenne	Apr.	30	1883	321
Lodge Pole Cr.	Thomas, Elsie O.	Omaha	Hale Canal No. 5	Irrig.	.57	36	14	49 Cheyenne	Apr.	30	1883	322
Lodge Pole Cr.	Thomas, Elsie O.	Omaha	Lower Whitney Canal	Irrig.	.29	31	14	48 Cheyenne	May	1	1883	317
Lodge Pole Cr.	Booth, Firth, Est. of	Sunol	Booth Canal	Irrig.	4.29	29	14	47 Cheyenne	May	31	1883	300 310
Lodge Pole Cr.	McAuliffe, F.	Chappell	McAuliffe Canal	Irrig.	2.29	21	13	45 Deuel	Dec.	31	1884	814
Lodge Pole Cr.	Webster, Wm.	Riverside, Cal.	Kinney Canal No. 2	Irrig.	2.71	33	15	56 Kimball	Dec.	31	1884	348
Lodge Pole Cr.	Libby, Mary A.	Santa Monica, Cal.	Libby Canal	Irrig.	2.00	36	14	47 Cheyenne	Dec.	31	1884	312
Lodge Pole Cr.	Dickinson, Chas. C.	Lodge Pole	Dickinson Canal	Irrig.	1.14	26	14	47 Cheyenne	Jan.	1	1885	969
Lodge Pole Cr.	Ruttner, Edward A.	Sunol	Howard Canal	Irrig.	.86	31	14	47 Cheyenne	Apr.	10	1885	336
Lodge Pole Cr.	Krueger, R. & F. W.	Sidney	Kreuger Canal No. 3	Irrig.	1.14	32	14	48 Cheyenne	May	1	1885	323

"R" Denotes relocation.

\*Application pending.

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

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Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Lodge Pole Cr....	Wolfe, H. D.....	Chappell .....	Wolfe Canal.....	Irrig.	1.00	18	13	45	Deuel.....	Dec.	31	1885	513	.....
Lodge Pole Cr....	Peters Trust Company.....	Omaha .....	McIntosh Canal.....	Irrig.	3.31	29	15	55	Kimball.....	Apr.	16	1886	351	.....
Lodge Pole Cr....	Kreuger, R. & F. W.....	Sidney .....	Kreuger Canal No. 2.....	Irrig.	2.29	32	14	48	Cheyenne.....	Oct.	10	1886	324	.....
Lodge Pole Cr....	U. S. Securities Co.....	Omaha .....	Borquist Canal.....	Irrig.	1.29	34	14	49	Cheyenne.....	Apr.	30	1887	300	.....
Lodge Pole Cr....	U. S. Securities Co.....	Omaha .....	Borquist Canal.....	Irrig.	.71	34	14	49	Cheyenne.....	Apr.	30	1887	301	.....
Lodge Pole Cr....	Thomas, Elsie O.....	Omaha .....	Upper Whitney Canal.....	Irrig.	2.29	35	14	49	Cheyenne.....	May	1	1887	316	.....
Lodge Pole Cr....	Dickinson, M. C.....	Sunol .....	McLaughlin Canal.....	Irrig.	1.00	25	14	48	Cheyenne.....	May	1	1887	966	.....
Lodge Pole Cr....	Thomas, Elsie O.....	Omaha .....	Hale Canal No. 1.....	Irrig.	1.14	36	14	49	Cheyenne.....	July	1	1887	318	.....
Lodge Pole Cr....	Ramsey, Miss A. A.....	Boston, Mass.	Mitchell Canal.....	Irrig.	.86	8	14	51	Cheyenne.....	Sept.	1	1887	304	.....
Lodge Pole Cr....	U. S. Fidelity & Guar- anty Co.....	Omaha .....	Tobin Canal .....	Irrig.	2.29	28	14	47	Cheyenne.....	July	31	1888	330	.....
Lodge Pole Cr....	Peeetz, John.....	Sidney .....	Bordwell Canal.....	Irrig.	1.43	35	14	49	Cheyenne.....	Aug.	1	1888	303	.....
Lodge Pole Cr....	Wearin, Wm. H.....	Carleton .....	Premier Canal.....	Irrig.	2.43	3	14	58	Kimball.....	Apr.	11	1889	340	.....
Lodge Pole Cr....	Peeetz, John.....	Sidney .....	Bordwell Canal.....	Irrig.	.86	35	14	49	Cheyenne.....	Apr.	27	1889	302	.....
Lodge Pole Cr....	Eubank, Mrs. John.....	Kimball .....	Polly Canal.....	Irrig.	.79	30	15	55	Kimball.....	May	6	1889	342	.....
Lodge Pole Cr....	Wearin, Wm. H.....	Carleton .....	Independent Canal.....	Irrig.	3.14	7	14	58	Kimball.....	May	6	1889	343	.....
Lodge Pole Cr....	Atkins, D. K.....	Kimball .....	Atkins Canal.....	Irrig.	.43	30	15	55	Kimball.....	May	6	1889	344	.....
Lodge Pole Cr....	Webster, Wm.....	Riverside, Cal.	Kinney Canal.....	Irrig.	2.00	31	15	56	Kimball.....	May	14	1889	345	.....
Lodge Pole Cr....	Hoberstroh, W. A.....	Omaha .....	Young Canal.....	Irrig.	.50	33	15	57	Kimball.....	May	28	1889	349	.....
Lodge Pole Cr....	Lehmkuhl, John.....	Kimball .....	Ruttner Canal.....	Irrig.	1.14	36	15	57	Kimball.....	June	4	1889	350	.....
Lodge Pole Cr....	Oberfelder, R. S.....	Sidney .....	Oberfelder Canal.....	Irrig.	.43	31	14	46	Cheyenne.....	June	10	1889	333	.....
Lodge Pole Cr....	Thomas, Elsie O.....	Omaha .....	Hale Canal No. 2.....	Irrig.	.43	36	14	49	Cheyenne.....	June	26	1889	319	.....
Lodge Pole Cr....	Carter, J. G.....	Lodge Pole.....	Bullock Canal.....	Irrig.	1.43	3	13	46	Deuel.....	June	25	1889	296	.....
Lodge Pole Cr....	Persinger, A. B.....	Lodge Pole.....	Persinger Canal.....	Irrig.	4.57	33	14	46	Deuel.....	June	25	1889	297	.....
Lodge Pole Cr....	Kreuger, R. & F. W.....	Sidney .....	Kreuger Canal No. 1.....	Irrig.	3.00	29	14	48	Cheyenne.....	June	26	1889	325	.....

REPORT OF SECRETARY



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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D Yr.	
Lodge Pole Cr....	Peters Trust Co.....	Omaha .....	Brady Canal.....	Irrig.	.71	29	15	55	Kimball.....	Aug.	16	1889	352	.....
Lodge Pole Cr....	Gross, Mary E.....	Pine Bluff, Wyo. ....	Hoover Canal.....	Irrig.	1.43	12	14	59	Kimball.....	Sept.	4	1889	353	.....
Lodge Pole Cr....	Bentley, B. M.....	Sidney .....	Ickes Canal.....	Irrig.	2.50	28	14	50	Cheyenne.....	Mar.	25	1891	329	.....
Lodge Pole Cr....	Johnson, Chas. W.....	Potter .....	Adams Canal.....	Irrig.	1.43	3	14	52	Cheyenne.....	July	1	1891	371	.....
Lodge Pole Cr....	Atkins, D. K. and Garrard, Robt. P.....	Kimball .....	Hurley-Lily-Polly Canal.	Irrig.	2.57	26	15	56	Kimball.....	Oct.	1	1891	354	.....
Lodge Pole Cr....	Thortensen, Nels.....	Sidney .....	Christensen Canal.....	Irrig.	.57	7	14	51	Cheyenne.....	Apr.	15	1893	366	.....
Lodge Pole Cr....	Thortensen, Nels.....	Sidney .....	Christensen Canal.....	Irrig.	.43	7	14	51	Cheyenne.....	Apr.	15	1893	367	.....
Lodge Pole Cr....	Van Aelstyn, Herman.....	Sidney .....	Trognitz Canal.....	Irrig.	1.00	36	14	50	Cheyenne.....	June	1	1893	365	.....
Lodge Pole Cr....	Oberfelder, R. S.....	Sidney .....	Oberfelder Canal.....	Irrig.	2.00	31	14	46	Cheyenne.....	Dec.	30	1893	306	.....
Lodge Pole Cr....	Kreuger, R. S.....	Sidney .....	Kreuger Canal.....	Irrig.	1.00	29	14	48	Cheyenne.....	May	1	1894	968	.....
Lodge Pole Cr....	Lyngholm, N. P.....	Sidney .....	Lyngholm Canal.....	Irrig.	.36	14	14	51	Cheyenne.....	Nov.	1	1894	337	.....
Lodge Pole Cr....	Dickinson, Geo. W. et al	Lodge Pole.....	Dickinson Canal.....	Irrig.	2.29	33	14	47	Cheyenne.....	May	10	1896	967	.....
Lodge Pole Cr....	Persinger, A. B.....	Lodge Pole.....	Bullock Canal.....	Irrig.	.57	4	13	46	Deuel.....	Feb.	16	1898	.....	437
Lodge Pole Cr....	Forsling, Alfred.....	Kimball .....	Maltese Cross Canal.....	Irrig.	.21	36	15	57	Kimball.....	May	16	1898	.....	454
Lodge Pole Cr....	Wearin, Wm. H.....	Carleton .....	Bushnell Canal.....	Irrig.	3.00	2	14	58	Kimball.....	Apr.	15	1899	.....	504
Lodge Pole Cr....	Wiegand, Lyle H.....	Chappell .....	Wiegand Canal.....	Irrig.	2.00	17	13	45	Deuel.....	May	31	1899	.....	563
Lodge Pole Cr....	Brown, G. B.....	Chappell .....	Neuman Canals Nos. 1-2	Irrig.	1.89	36	13	45	Deuel.....	June	.....	..00	.....	565
Lodge Pole Cr....	McHatton, Jas. W.....	Chappell .....	Wertz Bros. Canal.....	Irrig.	2.86	12	13	46	Deuel.....	Feb.	14	1901	.....	600
Lodge Pole Cr....	Neuman, Guy C.....	Chappell .....	Neuman Canal.....	Irrig.	1.29	26	13	45	Deuel.....	Apr.	17	1901	.....	611
Lodge Pole Cr....	Johnson, J. C.....	Chappell .....	Johnson Canal.....	Irrig.	2.14	23	13	45	Deuel.....	Apr.	17	1901	.....	612
Lodge Pole Cr....	Peters Trust Company...	Omaha .....	Bennett Reservoir.....	Stor.	†500	22	15	55	Kimball.....	Mar.	13	1902	.....	657*
Lodge Pole Cr....	Nasland, John.....	Chappell .....	Nasland Canal.....	Irrig.	.90	1	12	45	Deuel.....	Apr.	16	1902	.....	661

\* Used to supplement A691 and A725.

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Lodge Pole Cr.	Peters Trust Company	Omaha	Bennett Res. Canal	Irrig.	1.22	29	15	55	Kimball	Oct.	2	1902	691	
Lodge Pole Cr.	Forsling, Alfred	Kimball	Forsling Canal	Irrig.	1.50	34	15	57	Kimball	Apr.	24	1903	703	
Lodge Pole Cr.	Forsling, C. A.	Kimball	Kinney-Forsling	Irrig.	.75	33	15	56	Kimball	July	25	1903	718	
Lodge Pole Cr.	Forsling, C. A.	Kimball	Ruttner-Kinney	Irrig.	.75	31	15	56	Kimball	July	25	1903	718 "R"	
Lodge Pole Cr.	Gieseking, Herman	Altamont, Ill.	Bickel Canal	Irrig.	.93	30	15	55	Kimball	Aug.	3	1903	719	
Lodge Pole Cr.	Callahan, Chas.	Burlington, Wash.	Pomeroy Canal No. 1	Irrig.	.57	15	14	51	Cheyenne	Aug.	20	1903	723	
Lodge Pole Cr.	Atkins, D. K.	Kimball	Faden Canal	Irrig.	.14	30	15	55	Kimball	Sept.	9	1903	724	
Lodge Pole Cr.	Peters Trust Co.	Omaha	Owasco Canal	Irrig.	9.34	29	15	55	Kimball	Sept.	12	1903	725	
Lodge Pole Cr.	Lehmkuhl, John	Kimball	New Ruttner Canal	Irrig.	.51	36	15	57	Kimball	Sept.	16	1903	727	
Lodge Pole Cr.	Peters Trust Co.	Omaha	Owasco Canal	Irrig.	1.75	29	15	55	Kimball	Dec.	15	1903	734	
Lodge Pole Cr.	Soderquist, Peter	Chappell	Smith Canal	Irrig.	3.57	22	12	45	Deuel	Aug.	18	1906	850	
Lodge Pole Cr.	Soderquist, Peter	Chappell	Ralton Irr. System	Irrig.	19.14	12	12	46	Deuel	Jan.	4	1907	847	
Lodge Pole Cr.	Forsling, Clarence	Kimball	Yoder Extension	Irrig.	2.71	36	15	57	Kimball	Apr.	9	1907	857	
Lodge Pole Cr.	Walker, I. S.	Kimball	Walker Canal	Irrig.	.63	36	15	57	Kimball	Sept.	16	1907	869 R	
Lodge Pole Cr.	Gross, Wm. & Chas.	Wyo.	Tracy Canal	Irrig.	.50	12	14	59	Kimball	Sept.	21	1907	870	
Lodge Pole Cr.	Soderquist, Peter	Chappell	Ralton Canal	Irrig.	12.40	36	13	45	Deuel	Dec.	4	1907	882	
Lodge Pole Cr.	Kimball Irr. Dist.	Kimball	Kimball Stor. (Oliver Reservoir)	Stor. & Irrig.	748	4	36	15	57	Kimball	Apr.	15	1908	897
Lodge Pole Cr.	Kinty, J. F.	Lodge Pole	Wilds Canal	Irrig.	.57	11	13	46	Deuel	June	2	1908	904	
Lodge Pole Cr.	Ruttner, Joseph A.	Sunol	Ruttner Canal	Irrig.	.50	30	14	47	Cheyenne	June	25	1908	906	
Lodge Pole Cr.	Peters Trust Co.	Omaha	Bennett Canal No. 3	Irrig.	1.00	25	15	54	Kimball	Feb.	17	1909	934	

"R" Denotes relocation.

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.			
						S	T	R	County	Month			D	Yr.	
Lodge Pole Cr....	Maginnis, P.....	Kimball .....	McGinnis Ice Pond.....	Stor.	†1000	26	15	56	Kimball.....	Sept.	19	1911	.....	1127	
					A. F.	2.00	36	12	45	Deuel.....	Oct.	22	1912	.....	1237
Lodge Pole Cr....	Brown, Cyrus D., Et Al	Chappell .....	Soderquist Canal.....	Irrig.	1.28	16	13	45	Deuel.....	Sept.	10	1913	.....	1322	
Lodge Pole Cr....	Heming, Howard C.....	Chappell .....	Wiegend Canal No. 3.....	Irrig.	.42	16	13	45	Deuel.....	Sept.	10	1913	.....	1323	
Lodge Pole Cr....	Heming, Howard C.....	Chappell .....	Wiegend Canal No. 2.....	Irrig.	2.33	36	13	45	Deuel.....	Sept.	10	1913	.....	1323	
Lodge Pole Cr....	Brown, Cyrus D., Et Al	Chappell .....	Soderquist Canal.....	Irrig.	2.33	36	13	45	Deuel.....	June	29	1915	.....	1420	
Lodge Pole Cr....	Neuman, A. G.....	Chappell .....	Neuman Canal.....	Irrig.	1.03	26	13	45	Deuel.....	Jan.	5	1916	.....	1445	
Lodge Pole Cr....	Bentley, Bertha M.....	Sidney .....	Bentley Canal.....	Stor.	†5 AF	14	50	Cheyenne.....	Feb.	14	1917	.....	1478		
Lodge Pole Cr....	Sudman, Mrs. Minnie.....	Chappell .....	Sudman Canal.....	Irrig.	.78	22	13	45	Deuel.....	Apr.	5	1917	.....	1483	
Lodge Pole Cr....	McAuliff, Frank.....	Chappell .....	McAuliff Canal.....	Irrig.	1.77	21	13	45	Deuel.....	Oct.	6	1919	.....	1559	
Lodge Pole Cr....	Ruttner, Joseph A.....	Sunol .....	Ruttner Canal.....	Irrig.	.20	32	14	47	Cheyenne.....	Mar.	7	1922	.....	1645	
Lodge Pole Cr....	Stuht, Fred W.....	Sidney .....	Stuht Canal.....	Irrig.	.40	32	14	49	Cheyenne.....	Nov.	22	1922	.....	1659	
Lodge Pole Cr....	McIntosh, J. L. & Martin, Paul L.....	Sidney .....	Martin Pump.....	Irrig.	1.23	35	14	50	Cheyenne.....	Nov.	22	1922	.....	1695	
Lodge Pole Cr....	Gieseking, C. H.....	Altamont, Ill.	Gieseking Canal.....	Irrig.	.90	20	15	55	Kimball.....	Mar.	31	1926	.....	1801	
Lodge Pole Cr....	Bluhm, Emil H.....	Sunol .....	Bluhm Canal.....	Irrig.	1.00	36	14	48	Cheyenne.....	May	24	1926	.....	1811	
Lodge Pole Cr....	Stahla, Phillip.....	Kimball .....	Kinney Canal.....	Irrig.	.20	31	15	56	Kimball.....	July	14	1926	.....	1823	
Lodge Pole Cr....	Wearin, Wm. H.....	Carleton .....	Wearin Canal.....	Irrig.	1.50	8	14	58	Kimball.....	Sept.	28	1926	.....	1864	
Lodge Pole Cr....	Peters Trust Co. ....	Omaha .....	Bennett Reservoir.....	Stor.	†524	22	15	55	Kimball.....	Jan.	13	1928	.....	1974	
					A. F.	5.97	22	15	55	Kimball.....	Jan.	13	1928	.....	1975
Lodge Pole Cr....	Peters Trust Co. ....	Omaha .....	Bennett Reservoir..... Canal Ext. No. 2	Irrig.					Kimball.....				.....		
Lodge Pole Cr....	Peterson, Geo. H.....	Chappell .....	Peterson Canal.....	Irrig.		26	13	45	Deuel.....	Apr.	17	1923	.....	2006	
Lodge Pole Cr....	McLernon, Mrs. Emma..	Sidney .....	McLernon Canal.....	Irrig.		31	14	49	Cheyenne.....	Aug.	31	1928	.....	2027*	

† Acre feet per annum.  
\* Application pending.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Post gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Lodge Pole Cr. Springs, Trib. to	Oberfelder, R. S.....	Sidney .....	Oberfelders Canal.....	Irrig.	2.29	31	14	46	Cheyenne.....	May	29	1889	307	.....
Lodge Pole Cr. Springs, Trib. to	Chambers, Chas. P.....	Sidney .....	Private Canal.....	Irrig.	.04	14	13	51	Cheyenne.....	Mar.	19	1895	335	.....
Lodge Pole Cr. Springs, Trib. to	Libby, H. H.....	Lodge Pole.....	Spring Branch Canal.....	Irrig.	.29	36	14	47	Cheyenne.....	July	1	1901	.....	623
Flood Water from Hill.....	Fifield, C. M.....	Kimball .....	Fifield Canal.....	Irrig.	.57	22	15	56	Kimball.....	Apr.	27	1911	.....	1001

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Weeping Water....	Gilmore, Chas.....	Weeping Water .....	Gilmore .....	Ice	8.00	2	10	11	Cass.....	Aug.	5	1909	.....	955
Nemaha River.....	C. B. & Q. R. R. Co.....	Lincoln .....	C. B. & Q. Water Sup...	Irrig.	1.00	32	3	12	Pawnee.....	Aug.	8	1922	.....	1687

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

Source	Name of Claimant	Post Office	Carrier	Used to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Beaver River.....	Quackenbush, J. W.....	Albion .....	Pioneer Canal.....	Irrig.	3.57	22	20	6	Boone.....	Dec.	8	1894	287	.....
Beaver River.....	Long, Wm. M.....	Genoa .....	Windmill Project.....	Irrig.	.14	14	17	4	Nance.....	Mar.	31	1896	.....	277
Beaver River.....	Central West Public Service Co. of Nebr.....	Omaha .....	Albion Power Plant.....	Power	67.00	26	20	6	Boone.....	Oct.	3	1901	.....	639
Beaver River.....	Iowa-Nebr. L. & P. Co.	Lincoln .....	St. Edwards Power Pnt.	Power	134.00	27	19	5	Boone.....	Feb.	11	1911	.....	1058
Beaver River.....	The Ravenna Mills.....	Ravenna .....	The Ravenna Mills.....	Power	.....	8	12	14	Buffalo.....	.....	.....	.....	.....	1037*
Beaver River.....	Central West Public Service Co. of Nebr.....	Omaha .....	Albion Power Plant.....	Power	70.00	26	20	6	Boone.....	Feb.	20	1917	.....	1480
Beaver Creek.....	Skoehdopole, Ernest.....	Ravenna .....	Skoehdopole Canal.....	Irrig.	2.10	1	12	15	Buffalo.....	Nov.	8	1926	.....	1871
Bloody Creek.....	Calamus Irr. Dist.....	Harrop .....	Bloody Creek Canal.....	Irrig.	.....	32	25	19	Rock.....	May	25	1926	.....	1813
Calamus River.....	Calamus Irr. Dist.....	Harrop .....	Calamus Canal.....	Irrig.	121.18	5	24	20	Loup.....	Oct.	31	1925	.....	1785
Calamus River.....	Calamus Irr. Dist.....	Harrop .....	Calamus Canal.....	Irrig.	4.86	5	24	20	Loup.....	Jan.	12	1927	.....	1883
Calamus River.....	Calamus Irr. Dist.....	Harrop .....	Calamus Res.....	Stor.	.....	5	24	20	Loup.....	June	8	1926	.....	1816
Cedar River.....	Van Ackeren Hydro-Power Co., The.....	Cedar Rapids..	Van Ackeren Pow. Plant	Power	290.00	5	18	7	Boone.....	May	1	1881	1049	.....
Cedar River.....	Iowa-Nebr. L. & P. Co.	Lincoln .....	Fullerton Power Plant...	Power	200.00	12	16	6	Nance.....	Sept.	9	1901	.....	636
Cedar River.....	Nebraska Elec. Pow. Co.	Scotts Bluff...	Erickson Power Plant...	Power	175.00	25	21	12	Wheeler.....	May	24	1915	.....	1415
Cedar River.....	Iowa-Nebr. L. & P. Co.	Lincoln .....	Fullerton Power Plant...	R. Dam	A 636	12	16	6	Nance.....	Aug.	8	1922	.....	1686
Cedar River.....	Iowa-Nebr. L. & P. Co.	Lincoln .....	Fullerton Power Plant...	R. Dam	{ A636-1686	12	16	6	Nance.....	Jan.	27	1925	.....	1758
Clear Creek.....	Sherbeck, Albert I.....	Westerville ..	Sherbeck Pump.....	Irrig.	4.13	4	15	17	Custer.....	Feb.	7	1927	.....	1894

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Clear Creek.....	Dean, Paul H.....	Anstey .....	Sutton Pump.....	Irrig.	2.43	36	16	17	Custer.....	Oct.	18	1927	.....	1962
Clear Creek.....	Lowry, Maurice T.....	Mason City.....	Lowry Pump.....	Irrig.		1	15	17	Custer.....	Aug.	22	1928	.....	2026
Clear Creek.....	Dean, Paul H.....	Anstey .....	Dean Pump.....	Irrig.		22	16	17	Custer.....	Oct.	9	1928	.....	2040
Cow Creek.....	Price, Ralph B.....	Lewanna .....	Homestead Canal.....	Irrig.	2.29	7	26	27	Cherry.....	July	14	1894	194	.....
Dane Creek.....	Koupal, Frank.....	Ord .....	Koupal Canal.....	Irrig.	.14	20	19	14	Valley.....	July	5	1912	.....	1207
Goose Creek.....	Erickson, P. C. & J. M.	Brewster .....	Erickson Canal.....	Irrig.	8.00	18	25	24	Brown.....	Apr.	3	1895	209	.....
Goose Creek.....	Giles, R. P., Et Al.....	Elsmere .....	Giles Canal.....	Irrig.	10.00	2	25	25	Cherry.....	June	1	1895	187	.....
Goose Creek.....	Crook, F.....	Giles .....	Crook Canal.....	Irrig.	8.00	33	25	24	Brown.....	June	2	1896	.....	345
Gracie Creek.....	Shoemaker, A. E.....	Burwell .....	Gracie High Line Canal	Irrig.	.29	29	23	17	Loup.....	July	9	1897	.....	397
Lillian Creek.....	Davis, Frank J.....	Broken Bow.....	Davis Pump.....	Irrig.	4.90	1	19	20	Custer.....	Feb.	7	1927	.....	1896
Lillian Creek.....	Meyers, W. F.....	Anselmo .....	Meyers Canal.....	Irrig.	.11	15	19	20	Custer.....	Aug.	30	1927	.....	1956
Looking Glass Cr.	Girrad, E. A. & F. H.	Monroe .....	Monroe Canal.....	Irrig.	2.86	1	17	3	Platte.....	June	12	1894	289	.....
Lost Creek..... (Warm Slough)	Dworak, Helen.....	Schuyler .....	Dworak Pump.....	Irrig.		28	17	3	Colfax.....	Oct.	12	1928	.....	2041
Loup Riv., M. B.	Lundy, Jas. W.....	Sargent .....	Lundy M. & P. Plant.....	Power	200.00	4	19	19	Custer.....	Aug.	1	1886	1024	.....
Loup Riv., M. B.	Conger, Jas. W.....	Loup City.....	Sherman County Canal...	Power	125.00	26	17	16	Valley.....	Fall	of	1888	229a	.....
Loup Riv., M. B.	Middle Loup Valley Irr. Co. ....	Sargent .....	Middle Loup Valley Canal .....	Irrig.	560.29	15	21	22	Blaine.....	June	6	1894	202	.....

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Loup River, S. B.	C. B. & Q. R. R. Co.....	Lincoln .....	Pipe Line at Ravenna...	Irrig.	.50	9	12	14	Buffalo.....	Dec.	24	1914	.....	1393
Loup River, S. B.	Central Power Co.....	Grand Island..	Grand Island Elec. Co...	Power	\$40.00	35	13	12	Howard.....	Jan.	18	1915	.....	1400
Loup River, S. B.	Perkins, Glen O.....	Arnold .....	Perkins Canal.....	Irrig.	3.77	25	17	25	Custer.....	Mar.	30	1928	.....	1994
Loup River, S. B.	Finch, W. M.....	Callaway .....	Finch Pump.....	Irrig.		9	16	24	Custer.....	Sept.	27	1928	.....	2037
Muddy Creek.....	Penn, Chas.....	Broken Bow...	Penn Canal.....	Irrig.	.50	33	17	20	Custer.....	Aug.	14	1894	215	.....
Muddy Creek.....	Benson, C. W.....	Litchfield .....	Litchfield Mills.....	Power		33	14	16	Sherman.....	.....	.....	.....	999*	.....
Muddy Creek.....	Mason City Roller Mill & Light Plant.....	Mason City.....	Mason City M. & P. Plt.	Power		31	15	17	Custer.....	.....	.....	.....	1042*	.....
Muddy Creek.....	Lang, Geo. W.....	Litchfield .....	Lang Canal.....	Irrig.	1.21	13	14	17	Custer.....	Aug.	20	1926	.....	1848
Muddy Creek.....	Wilson, Otis N.....	Litchfield .....	Wilson Pump.....	Irrig.	.51	14	14	17	Custer.....	Dec.	10	1926	.....	1879
Muddy Creek.....	Van Sant, J. A.....	Broken Bow...	Van Sant Pump.....	Irrig.	.27	33	17	20	Custer.....	Dec.	13	1926	.....	1880
Muddy Creek.....	Sorensen, U.....	Berwyn .....	Sorensen Pump.....	Irrig.	2.00	21	16	19	Custer.....	Jan.	14	1927	.....	1884
Muddy Creek.....	Willoughby, C. D.....	Mason City.....	Willoughby Pump.....	Irrig.	1.10	34	15	17	Custer.....	Feb.	8	1927	.....	1896
Muddy Creek.....	Duke, R. H., Et Al.....	Mason City.....	Duke-Dorsett-Amsberry Pump .....	Irrig.		35	15	17	Custer.....	Nov.	10	1928	.....	2051*
Mira Creek.....	McClellan, M. E.....	North Loup...	Mira Reservoir.....	Stor.	†140 AF	26	18	13	Valley.....	Mar.	8	1912	.....	1182
Mira Creek.....	McClellan, M. E.....	North Loup...	Mira Reservoir Canal.....	Irrig.	1.32	26	18	13	Valley.....	Oct.	30	1912	.....	1239
Mira Creek.....	(Res. A. 1182)													
Mira Creek.....	Hutchins, W. T.....	North Loup...	Hutchins Dam.....	Irrig.	.20	26	18	13	Valley.....	Apr.	18	1916	.....	1453
Oak Creek.....	Hatt, Hans N.....	Dannebrog ...	Oak Creek Plant No. 1.	Irrig.	2.28	2	13	11	Howard.....	Jan.	18	1919	.....	1530
Oak Creek.....	Larson, L. E.....	Dannebrog ...	Dannebrog Res.....	Stor.		2	13	11	Howard.....	Sept.	16	1919	.....	1556

\* Application pending.

† Acre feet per annum.



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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Month	D	Yr.		
Loup Riv., M. B.	Carter, T. H.	Hebron	Loup River Power Co.	Power	600.00	35	18	17	Custer	Sept.	14	1926	.....	1858
Loup Riv., M. B.	Stanciff, E. L.	St. Louis	Arcadia Power Plant	Power		35	18	17	Custer	Apr.	4	1927	.....	1918*
Loup Riv., M. B.	Kucera-Person	Friend	Comstock Power Plant	Power	290.00	36	18	17	Custer	Apr.	14	1927	.....	1925*
Loup Riv., M. B.	Knapp, Harry R.	Broken Bow	Knapp Pump	Irrig.	5.49	32	15	14	Sherman	July	18	1927	.....	1943
Loup Riv., N. B.	North Loup Irr. & Imp. Co.	North Loup	No. Loup Canal	Irrig.	143.00	27	19	14	Valley	Sept.	30	1893	227	.....
													228	.....
													232	.....
													188	.....
Loup Riv., N. B.	Lee, J. R.	Brownlee	Lee Canal	Irrig.	40.00	25	27	29	Cherry	Aug.	7	1894	189	.....
													356	.....
Loup Riv., N. B.	Burwell Irr. Co.	Burwell	Burwell Canal	Irrig.	110.00	27	21	17	Loup	Sept.	7	1894	224	.....
Loup Riv., N. B.	Newton Irr. Dist.	Moulton	Newton Canal	Irrig.	115.14	35	23	21	Blaine	Feb.	5	1895	205	.....
Loup Riv., N. B.	Erickson, P. C.	Brewster	Homestake Canal	Irrig.	51.43	27	23	22	Blaine	Sept.	10	1895	.....	152
Loup Riv., N. B.	Loup Valley I. & P. Co.	North Loup	No. Loup Power Plant	Power	1,000.00	35	19	13	Valley	Nov.	29	1922	.....	1697
Loup Riv., N. B.	Loup Valley I. & P. Co.	North Loup	Scotia Power Plant	Power	1,000.00	27	17	12	Greeley	Dec.	22	1922	.....	1700
Loup Riv., N. B.	Steinmeyer, G. W.	Beatrice	Scotia Power Plant	Power		27	17	12	Greeley	June	2	1923	.....	1719*
Loup Riv., N. B.	North Loup Power Co.	North Loup	Scotia Power Plant	Power		27	17	12	Greeley	Mar.	31	1928	.....	1995*
Loup Riv., N. B.	McCauley, Wallace D.	Laurence	Scotia Power Plant	Power		27	17	12	Greeley	Apr.	6	1928	.....	2004*
Loup Riv., N. B.	Steinmeyer, Geo. W.	Beatrice	No. Loup Power Plant	Power		35	19	13	Valley	Apr.	26	1928	.....	2011*
Loup River, S. B.	Tillson, W. Z.	Poole Siding	Tillson Canal	Irrig.	15.57	29	12	15	Buffalo	Dec.	28	1894	236	.....
Loup River, S. B.	Boblitz, E. J.	Oconto	Boblitz Canal	Irrig.	.50	10	14	21	Custer	Jan.	17	1895	219a	.....
Loup River, S. B.	Boblitz, E. J.	Oconto	Boblitz Canal	Power	20.00	10	14	21	Custer	Jan.	17	1895	219b	.....
Loup River, S. B.	Callaway Mill Co.	Callaway	Callaway Mill	Power		2	15	23	Custer				9SS*	.....
Loup River, S. B.	Brown, A. D.	Milldale	Brown Canal	Irrig.	.86	31	17	24	Custer	Feb.	23	1897	.....	363
Loup River, S. B.	Hartzell, B. F.	Logan	Hartzell Canal	Irrig.	.37	27	18	26	Logan	May	18	1897	.....	390

DEPARTMENT OF PUBLIC WORKS

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority		Doc. No.	App. No.
						S	T	R	County	Month	D Yr.		
Loup Riv., M. B.	Douglas Grove Irr. Dist. ....	Comstock .....	Wescott Canal.....	Irrig.	88.57	15	19	18	Custer.....	Aug.	8 1894	214	.....
Loup Riv., M. B.	Sherman Co. Irr. & Water Power Co.....	Loup City.....	Sherman Co. Canal.....	Irrig.	244.00	26	17	16	Valley.....	Aug.	13 1894	229b	.....
Loup Riv., M. B.	Thedford Irr. & Pow. Co	Thedford .....	Thedford Canal.....	Irrig.	43.00	4	23	29	Thomas.....	Aug.	25 1894	198	.....
Loup Riv., M. B.	Purdum, J. W.....	Thedford .....	Norway Canal.....	Irrig.	2.86	31	24	29	Thomas.....	Sept.	8 1894	199	.....
Loup Riv., M. B.	Lillian Precinct D. & P. Co.....	Gates .....	Lillian Precinct Canal.....	Irrig.	140.00	30	21	21	Blaine.....	Oct.	19 1894	204 } 216 }	.....
Loup Riv., M. B.	Rieck, Emil.....	Dunning .....	Jewett Canal.....	Irrig.	4.29	30	22	24	Blaine.....	Aug.	12 1895	.....	113
Loup Riv., M. B.	Harris, L. H.....	Dunning .....	Harris Canal.....	Irrig.	5.71	16	22	25	Blaine.....	Feb.	21 1896	.....	248
Loup Riv., M. B.	Webster Irrigation & Canal Co.....	Comstock .....	Webster Canal.....	Irrig.	1.71	20	19	17	Custer.....	Mar.	5 1898	.....	442
Loup Riv., M. B.	Longwood Irr. & Canal Co. ....	Comstock .....	Longwood Canal.....	Irrig.	12.93	20	19	17	Custer.....	Feb.	21 1912	.....	1175
Loup Riv., M. B.	Muhlback, Fred.....	Mullen .....	Mullen Grist & Light Plant	Power	124.00	6	24	32	Hooker.....	Mar.	12 1912	.....	1185
Loup Riv., M. B.	St. Paul Elec. Lt. Wks.	St. Paul.....	St. Paul Power Plant.....	Power	2,000.00	3	14	10	Howard.....	Aug.	12 1912	.....	1216
Loup Riv., M. B.	Lundy, Jas. W.....	Sargent .....	Lundy M. & P. Plant.....	R. Dam	400.00	4	19	19	Custer.....	Sept.	16 1912	.....	1224
Loup Riv., M. B.	U. S. of America.....	Halsey .....	Nursery Canal.....	Irrig.	1.00	3	22	26	Thomas.....	Sept.	16 1912	.....	1226
Loup Riv., M. B.	Holmes, Eddy.....	Nemo .....	Loup Valley Canal.....	Irrig.	.85	36	20	21	Custer.....	May	31 1913	.....	1294
Loup Riv., M. B.	Lundy, Jas. W.....	Sargent .....	Lundy Lake Canal.....	Irrig.	28.31	5	19	19	Custer.....	June	27 1913	.....	1300
Loup Riv., M. B.	Lundy, Jas. W.....	Sargent .....	Lundy Lake.....	Stor.	†150 AF	2	19	19	Custer.....	July	19 1913	.....	1306
Loup Riv., M. B.	Lundy, Jas. W.....	Sargent .....	Lundy Lake.....	Irrig.	6.34	4	19	19	Custer.....	July	19 1913	.....	1307
Loup Riv., M. B.	Austin Irr. Co.....	Loup City.....	Austin Canal.....	Irrig.	50.00	32	13	14	Sherman.....	Nov.	6 1913	.....	1330
Loup Riv., M. P.	Central Power Co.....	Grand Island.	Central Power Co.....	Power	1,000.00	10	13	12	Hall.....	July	14 1914	.....	1373
Loup Riv., M. B.	C. B. & Q. R. R. Co.....	Lincoln .....	Pipe Line at Seneca.....	Irrig.	.50	18	24	30	Thomas.....	Dec.	28 1914	.....	1396

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Used to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Platte River.....	Fremont Canal & Power Co. ....	Fremont .....	Fremont Canal.....	I. & P.	2,500.00	30	17	4	Butler.....	June	21	1895	.....	40
Platte River.....	City of Omaha.....	Omaha .....	Fremont-Omaha Canal.....	Power	2,000.00	30	17	4	Butler.....	Mar.	25	1908	.....	894
Sand Creek.....	Nelson, John.....	Callaway .....	Troyer Pump.....	Irrig.	.24	10	15	23	Custer.....	Feb.	21	1916	.....	1447
Shell Creek.....	Schmitt, P.....	Columbus.....	Schmitt Canal.....	Irrig.	3.00	19	18	1	Platte.....	Dec.	17	1894	292a	.....
Shell Creek.....	Schmitt, P.....	Columbus .....	Schmitt Canal.....	Power	30.50	19	18	1	Platte.....	Dec.	17	1894	292b	.....
Shell Creek.....	Gottberg, Max.....	Columbus .....	Gottberg Canal.....	Irrig.	1.00	24	18	1	Platte.....	June	6	1895	.....	2
Skull Creek .....	Calamus Irr. Dist.....	Harrop .....	Skull Creek Canal.....	Irrig.		31	25	20	Rock.....	May	25	1926	.....	1812
Spring Branch.....	Milddale Farm & Live Stock Imp. Co.....	Council Bluffs	Haskill Canal.....	Irrig.	7.00	31	17	24	Custer.....	Feb.	27	1914	.....	1357
Spring Creek.....	Hendryx, H. J.....	Monroe .....	Hendryx Canal.....	Irrig.	1.33	2	17	3	Platte.....	June	25	1894	290	.....
Victoria Creek.....	Meyers, Perry A.....	Anselmo .....	Victoria Canal No. 1.....	Irrig.	.71	1	19	21	Custer.....	Mar.	17	1894	210	} .....
Victoria Creek.....	Victoria Ditch Assn.....	Gates .....	Victoria Canal No. 2.....	Irrig.	8.88	1	19	21	Custer.....	July	17	1894	212	
Victoria Creek.....	Laughran, Thomas.....	Anselmo .....	Laughran & Bell Canal	Irrig.	.31	3	19	21	Custer.....	Sept.	22	1894	217	.....
Victoria Creek.....	Myers, Perry A.....	Anselmo .....	Myers Canal.....	Irrig.	1.51	1	19	21	Custer.....	Aug.	5	1926	.....	1843
Victoria Creek.....	Victoria Ditch Assn.....	Broken Bow.....	Victoria Canal No. 2 Ext	Irrig.	1.01	1	19	21	Custer.....	Aug.	12	1926	.....	1845
Victoria Creek.....	McGraw, Chas.....	Anselmo .....	McGraw Canal.....	Irrig.	2.95	6	19	20	Custer.....	July	23	1927	.....	1945
Victoria Creek.....	McGraw, Chas.....	Anselmo .....	McGraw Canal.....	Irrig.		6	19	20	Custer.....	Aug.	6	1928	.....	2023
Wiggle Creek.....	Morrison, F. W.....	Callaway .....	Morrison Pump.....	Irrig.		3	15	23	Custer.....	Oct.	17	1928	.....	2045

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Battle Creek.....	Scheerger, George.....	Battle Creek.....	Battle Creek Mills.....	Power	10.67	36	24	3	Madison.....	Nov.	12	1898	.....	484
Battle Creek.....	Scheerger, George.....	Battle Creek.....	Battle Creek Mills.....	Power	20.00	36	24	3	Madison.....	Apr.	20	1906	.....	818
Clear Creek.....	Lyons Drainage Dist.....	Lyons .....	Main Ditch No. 1.....	Drain		14	28	8	Burt.....	Mar.	9	1911	.....	1069
Clear Creek.....	Gilmore, E. L. C.....	Ashland .....	Gilmore Canal.....	Irrig.	.86	35	13	9E	Saunders.....	Aug.	10	1927	.....	1950
Elkhorn River.....	Norfolk Cereal Flour Mills .....	Norfolk .....	Norfolk Cereal & Flour Mill .....	Power	100.00	23	24	1	Madison.....	Mar.	1	1870	996	.....
Elkhorn River.....	Skrlida, Jos.....	Atkinson .....	Atkinson Mill.....	Power	38.50	30	30	14	Holt.....	Nov.	1	1893	271	.....
Elkhorn River.....	Elkhorn Irr. Co.....	O'Neill .....	Elkhorn Canal.....	Irrig.	131.43	22	29	13	Holt.....	Feb.	3	1894	259 } 263 }	.....
Elkhorn River.....	Davis, Jos.....	O'Neill .....	Davis Canal.....	Irrig.	1.43	31	29	11	Holt.....	Feb.	8	1894	260	.....
Elkhorn River.....	Carlson, Thos.....	O'Neill .....	Carlson Canal No. 1.....	Irrig.	1.00	32	29	11	Holt.....	Feb.	8	1894	261	.....
Elkhorn River.....	Carlson, Thos.....	O'Neill .....	Carlson Canal No. 2.....	Irrig.	5.00	30	29	11	Holt.....	Feb.	8	1894	262	.....
Elkhorn River.....	Cain, N. E., Et Al.....	O'Neill .....	Cain Canal.....	Irrig.	5.00	32	29	11	Holt.....	Feb.	20	1896	283	.....
Elkhorn River.....	Ross, Chas. P.....	Omaha .....	Platte River Hydro. Elec Plant .....	Power	500.00	14	15	10	Douglas.....	Nov.	24	1909	.....	971
Elkhorn River.....	Neligh, W. T. S.....	West Point.....	West Point Hydro Elec. Plant .....	Power	400.00	18	22	6	Cuming.....	Dec.	26	1912	.....	1250
Elkhorn River.....	Sibbersen Bros.....	Omaha .....	Sibbersen Canal.....	Irrig.	2.50	10	29	14	Holt.....	Sept.	5	1925	.....	1779
Elkhorn River.....	Iowa-Nebr. L. & P. Co.	Lincoln .....	Cooling System.....	Mfg.	35.00	22	24	1	Madison.....	Feb.	21	1928	.....	1986

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Elkhorn River..... South Fork	Rothleuter, Albert.....	Ewing .....	Flouring Mill.....	Power	33.00	3	26	9	Holt.....	Aug.	21	1898	.....	464
Middle Creek.....	Malone, Robert.....	Lincoln .....	Malone Ice Plant.....	Ice	10.00	30	10	6	Lancaster...	Dec.	26	1907	.....	883
Oak Creek.....	Eiche, Herman.....	Lincoln .....	Eiche Plant.....	Irrig.	.71	17	10	6	Lancaster...	Jan.	4	1899	.....	489
Oak Creek.....	Central Realty & Inv. Co. ....	Lincoln .....	Capitol Beach Dam.....	Stor.	50 A. F.	16	10	6	Lancaster...	June	5	1918	.....	1516
Platte River.....	Ross, Chas. P.....	Omaha .....	Platte River Hydro Elec Plant .....	Power	2,500.00	6	14	10	Douglas.....	Nov.	24	1909	.....	970
Platte River.....	Parmlee & Rawls.....	Plattsmouth ..	Plattsmouth Power Co....	Power	2,000.00	32	13	13	Cass.....	Sept.	4	1914	.....	1379
Ryans Lake.....	Elkhorn River Drainage Dist. ....	Fremont .....	Cutoff "H".....	Drain		4	1	9	Dodge.....	Oct.	16	1909	.....	966
Salt Creek.....	C. B. & Q. R. R. Co.....	Lincoln .....	C. B. & Q. Water Supp.	Irrig.	2.00	2	9	6	Lancaster...	Sept.	20	1923	.....	1722
Salt Creek.....	Rutherford, Frank.....	Hastings .....	Rutherford Pump.....	Irrig.	9.11	24	11	7	Lancaster...	July	1	1925	.....	1766
Salt Creek.....	Board of Control.....	Lincoln .....	Penitentiary Canal.....	Irrig.	3.00	11	9	6	Lancaster...	June	15	1926	.....	1817
Salt Creek.....	Roper, C. H.....	Lincoln .....	University Shooting Club	Resort		32	11	7	Lancaster...	July	29	1926	.....	1837
Springs .....	Newton Land Co.....	Omaha .....	Spring Branch Canal.....	Irrig.	.07	13	14	13	Sarpy.....	June	18	1895	.....	29

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Silver Creek.....	Armour & Co.....	So. Omaha.....	Armour & Co. Reservoir	Ice	10.00	7	13	9	Saunders.....	Oct.	18	1897	.....	415
Silver Creek.....	Swift & Company.....	Chicago .....	Swift & Co.....	Ice	10.00	7	13	9	Saunders.....	Dec.	6	1899	.....	524
Stevens Creek.....	Moore, R. E.....	Lincoln .....	Stevens Creek Canal.....	Irrig.	1.00	2	10	7	Lancaster.....	Nov.	19	1913	.....	1335
Union & Taylor Creeks .....	Bley, Louis G.....	Madison .....	Union Valley Roller Mills .....	Power		32	22	1	Madison.....					998*

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Abitz Creek.....	Fullerton, J. B.....	Atkinson .....	Fullerton Canal No. 2.....	Irrig.	.36	18	30	13	Holt.....	Mar.	23	1896	.....	278
Antelope Creek....	Julian, A. R. Et Al.....	Gordon .....	Antelope Canal.....	Irrig.	.36	21	32	40	Cherry.....	June	29	1905	.....	798
Ashburn Creek.....	Zilmer, W. H.....	Valentine .....	Ashburn Canal.....	Irrig.	.43	27	34	26	Cherry.....	June	17	1905	.....	676
Bear Creek.....	Skinner, Thomas.....	Springview .....	Skinner Canal.....	Irrig.	.22	15	32	21	Keya Paha..	June	20	1888	609	.....
Bear Creek.....	Cedarburg, P.....	Springview .....	Cedarburg Canals..... Nos. 1 & 2	Irrig.	.02	3	32	21	Keya Paha..	Oct.	3	1898	.....	479
Bear Creek.....	Belsky, Ed.....	Eli .....	Belsky Hereford Canal...	Irrig.	11.78	25	34	36	Cherry.....	May	3	1922	.....	1664
Bear Creek.....	Woods Bros. Realty Co..	Lincoln .....	Woods Bros. Canal.....	Irrig.		24	34	36	Cherry.....	Sept.	21	1928	.....	2035*
Beeman Creek.....	Barnard, C. O.....	Springview .....	Barnard Canal.....	Irrig.	.43	21	32	20	Keya Paha..	June	1	1892	603	.....
Beeman Creek.....	Spann, M. F.....	Bassett .....	Beeman Canal.....	Irrig.	1.00	23	32	20	Keya Paha..	May	20	1892	620	.....
Big Sandy Creek	Pickley, W. S.....	Cody .....	Badger Canal.....	Irrig.	1.14	12	33	14	Holt.....	May	16	1902	.....	667
Big Sandy Creek	Johnson, C. A.....	Butte .....	Badger Mill.....	Power	35.00	12	33	14	Holt.....	Aug.	28	1902	.....	685
Blackbird Creek..	Mullen, A. F.....	O'Neill .....	Mullen Canal.....	Irrig.	1.00	29	31	11	Holt.....	Aug.	18	1894	267	.....
Blue Bird Creek..	Murphy, P.....	O'Neill .....	Murphy Canal.....	Irrig.	1.00	26	30	11	Holt.....	Sept.	7	1894	273	.....
Boardman Creek..	Lee, Jos. S.....	Chesterfield .....	Lees Canal.....	Irrig.	6.86	6	29	33	Cherry.....	Apr.	25	1895	973	.....
Boardman Creek..	Bachelor, J. H.....	Valentine .....	Boardman Canal.....	Irrig.	28.57	33	30	32	Cherry.....	Jan.	17	1912	.....	1155
Box Butte Creek	Sandoz, Wm.....	Marsland .....	Billys Canal.....	Irrig.	.21	29	29	45	Sheridan....	Jan.	13	1900	.....	533

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Brush Creek.....	Nebraska Townsite Co.....	Perry .....	Brush C. Power Co.....	Power	15.00	23	33	13	Holt.....	Sept.	28	1898	.....	474
Brush Creek.....	McCarthy, M. H.....	O'Neill .....	McCarthy Canal No. 1..	Irrig.	.50	24	32	14	Holt.....	July	1	1894	264	.....
E. Branch														
Brush Creek.....	McCarthy, M. H., Et Al	O'Neill .....	McCarthy Canal No. 2..	Irrig.	.63	26	32	14	Holt.....	Aug.	15	1894	266	.....
W. Branch														
Burton Creek.....	Mutz, Otto.....	Springview .....	Burton Creek Canal.....	Irrig.	.57	19	34	19	Keya Paha..	June	30	1895	608b	.....
Burton Creek.....	Mutz, Otto.....	Springview .....	One Trip Canal.....	Irrig.	.35	2	33	20	Keya Paha..	Sept.	2	1895	.....	142
Canyon .....	Gilmore, Emery.....	So. Omaha.....	Gilmore Canal.....	Irrig.	14.29	36	30	54	Sioux.....	July	5	1907	.....	863
Cedar Creek.....	McNamee, K. M.....	Wood Lake.....	Cedar Creek Canal.....	Irrig.	.43	4	30	24	Cherry.....	Sept.	28	1910	.....	1027
Coffey Lk. Et Al	Coffey Lake Drainage Dist. ....	Valentine .....	Coffey Lake Ditch.....	Drain										
Cottonwood Creek	Morrissey, Tim.....	Dunlap .....	Morrissey Canal.....	Irrig.	.71	17	29	48	Dawes.....	Feb.	16	1895	481	.....
Cottonwood Creek	Fendrich & Lichte.....	Dunlap .....	Fendrich-Lichte Canal....	Irrig.	.64	22	29	48	Dawes.....	May	9	1896	.....	336
Cottonwood Creek	Lichte, Hugo.....	Dunlap .....	Dunlap Canal.....	Irrig.	.50	22	29	48	Dawes.....	July	18	1911	.....	1113
Crooked Creek.....	Mutz, Otto.....	Springview .....	Mutz Canal.....	Power	3.00	19	34	19	Keya Paha..	Dec.	31	1889	608a	.....
Crooked Creek.....	Mutz, Otto.....	Springview .....	Mutz Canal.....	Irrig.	1.00	19	34	19	Keya Paha..	June	30	1895	608b	.....
Cross Creek.....	Hutchinson, W. H.....	Norden .....	Hutchison Canal.....	Irrig.	.21	8	33	24	Keya Paha..	Sept.	1	1888	615	.....



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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Cub Creek.....	Tissie & Patterson.....	Springview .....	Tissie-Patterson Canal.....	Irrig.	.03	16	33	22	Keya Paha..	June	30	1894	618	.....
Cub Creek.....	Josiassin, S.....	Meadville .....	McComber Canal.....	Irrig.	.10	28	33	22	Keya Paha..	Aug.	15	1894	589	.....
Eagle Creek.....	Bokhof, Wm.....	Atkinson .....	Bokhof Canal.....	Irrig.	2.86	6	30	13	Holt.....	Sept.	18	1894	275	.....
Eagle Creek.....	Robertson, J. A.....	Atkinson .....	Eagle Valley Canal.....	Irrig.	2.29	1	30	14	Holt.....	Mar.	15	1895	280	.....
Eagle Creek.....	Becker, Samuel.....	Atkinson .....	Becker Canal.....	Irrig.	1.14	8	30	13	Holt.....	Nov.	30	1894	274	.....
S. Branch														
Fairfield Creek.....	Kuhre, Wm. M.....	Johnstown .....	Kuhre Pond.....	Irrig.	.14	31	33	23	Brown.....	Sept.	1	1893	612a	.....
Fairfield Creek.....	Kuhre, Wm. M.....	Johnstown .....	Kuhre Canal.....	Power	25.00	31	33	23	Brown.....	Apr.	1	1894	612b	.....
Glencove Springs	Bakewell, Geo. C.....	Johnstown .....	Glencove Canal.....	Irrig.	.86	26	33	24	Brown.....	Mar.	1	1911	.....	1067
Holt Creek.....	Schoettger, F. J.....	Burton .....	Schoettger Canal.....	Irrig.	.14	32	35	20	Keya Paha..	Feb.	23	1895	595	.....
Holt Creek, E.....	Akers, J. W.....	Springview .....	Akers Canal.....	Irrig.	.14	1	34	21	Keya Paha..	Aug.	1	1894	611	.....
Horse Head Cr.....	Bruce, A.....	Norden .....	Bruce Canal.....	Irrig.	.17	16	33	24	Keya Paha..	Sept.	7	1895	.....	149
Horse Shoe Lake Et Al.....	Horseshoe Lake Drain- age Dist.....	Irwin .....	Horseshoe Ditch.....	Drain		13	34	40	Cherry.....	June	27	1916	.....	1461
Huggins Creek.....	Soper, H. K.....	Burton .....	Soper Canal.....	Irrig.	.14	21	35	20	Keya Paha..	Nov.	6	1894	592	.....
Jewett Creek.....	Jewett, C. P.....	Meadville .....	B. L. Canal.....	Irrig.	.71	5	32	21	Keya Paha..	Oct.	23	1894	590	.....
Keya Paha River	Yocum, J. C.....	Butte .....	Yocum Canal.....	Irrig.	1.14	23	34	15	Boyd.....	Sept.	7	1894	573	.....

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Keya Paha River	Bruce, Andrew & Son...	Naper .....	Bruce Roller Mills.....	Power	100.00	24	34	16	Boyd.....	Oct.	5	1903	.....	729
Kibby Creek.....	Green, Martha J.....	Hillside .....	Green Canal.....	Irrig.	.01	28	34	16	Boyd.....	Apr.	1	1904	.....	747
Lewis Spring.....	Lewis, Ralph.....	Burton.....	Lewis Canal.....	Irrig.	.14	29	35	19	Keya Paha..	Aug.	30	1895	.....	139
Long Pine Creek	Kyner, S. H.....	Long Pine.....	Long Pine L. & P. Plant	Power	48.00	30	30	20	Brown.....	Apr.	2	1909	.....	941
Middle Cr. E. Br.	McGuire, M. W.....	Norden .....	McGuire Canal.....	Irrig.	.71	32	33	23	Keya Paha..	June	1	1884	606	.....
Middle Cr. W. Br.	Allen, M. W.....	Norden .....	Allen Canal.....	Irrig.	.50	29	33	23	Keya Paha..	June	1	1891	616	.....
Middle Cr. W. Br	Allen, M. W.....	Norden .....	Allen Canal.....	Irrig.	1.00	29	33	23	Keya Paha..	May	2	1904	.....	753
Mile Board Lake	Brd. of County Comm...	Valentine .....	Mile Board Drain Ditch..	Drain		5	34	35	Cherry.....	Sept.	17	1924	.....	1750
Minnechaduzza Cr.	Interstate Power Co. of Nebraska.....	Dubuque, Ia...	Pierce Milling Co.....	Power	35.00	30	34	27	Cherry.....	Sept.	12	1896	.....	359
Minnechaduzza Cr.	City of Valentine.....	Valentine .....	Valentine Power Plant...	Power	40.00	29	34	27	Cherry.....	Apr.	16	1913	.....	1279
Newman Creek...	Newman, Philo.....	Norden .....	Newman Canal.....	Irrig.	.21	17	33	24	Keya Paha..	July	1	1888	617	.....
Niobrara River...	Richardson, Wiley.....	Harrison .....	Lakatoh Canal.....	Irrig.	7.14	1	30	57	Sioux.....	Oct.	1	1883	554	.....
Niobrara River...	The Coffee Cattle Co.....	Chadron .....	Ernest Canal No. 1.....	Irrig.	2.86	9	29	56	Sioux.....	May	1	1885	514a	.....
Niobrara River.....	Bruce, A.....	Norden .....	Bruce Mill.....	Power	60.00	16	33	24	Keya Paha..	Apr.	1	1886	610	.....
Niobrara River.....	Cook, J. H.....	Agate .....	McGinley-Stover Lower N. Canal.....	Irrig.	8.21	25	29	56	Sioux.....	May	1	1887	513a	.....
Niobrara River.....	Furman, H. G. Jr.....	Marsland .....	Pioneer Canal.....	Irrig.	7.14	36	29	51	Dawes.....	Aug.	1	1887	442a	.....

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Niobrara River.....	Hedgecock, Geo. Et Al.....	Marsland .....	McLaughlin Canal.....	Irrig.	7.14	9	28	52	Box Butte...	May	1	1888	566	.....
Niobrara River.....	Cook, J. H.....	Agate .....	McGinley-Stover Lower S. Canal.....	Irrig.	1.71	25	29	56	Sioux.....	May	1	1890	513b	.....
Niobrara River.....	The Coffee Cattle Co.....	Chadron .....	Ernest Canal No. 1.....	Irrig.	2.14	9	29	56	Sioux.....	May	15	1891	514b	.....
Niobrara River.....	Cook, J. H.....	Agate .....	Cook Canals Nos. 1 & 2	Irrig.	3.54	1	28	56	Sioux.....	May	31	1891	980	.....
Niobrara River.....	Elliott Bros.....	Van Tassel, Wyo. ....	Bigelow & Seymour Canal .....	Irrig.	2.40	19	31	57	Sioux.....	June	8	1891	510	.....
Niobrara River.....	Buffington-Coleman .....	Crawford .....	Harris-Neece Canal.....	Irrig.	8.57	3	28	55	Sioux.....	July	1	1892	517	.....
Niobrara River.....	Furman, H. G. Jr.....	Marsland .....	Pioneer Canal.....	Power	10.00	31	29	50	Dawes.....	Aug.	1	1893	442b	.....
Niobrara River.....	Roll Mill Co.....	Marsland .....	Roll Mill.....	Power	35.00	5	28	51	Box Butte...	Sept.	10	1893	970	.....
Niobrara River.....	Green, Frank J.....	Hemingford ..	Meridian Canal.....	Irrig.	.57	25	29	50	Dawes.....	Jan.	10	1894	459	.....
Niobrara River.....	Taylor, Geo. L.....	Nonpariel .....	Enterprise Canal.....	Irrig.	5.71	2	29	50	Dawes.....	Jan.	27	1894	461	.....
Niobrara River.....	Furman, H. G.....	Marsland .....	Furman Canal.....	Irrig.	3.64	29	29	50	Dawes.....	Feb.	2	1894	462	.....
Niobrara River.....	Warneke, Henry.....	Harrison .....	Johnson Canal.....	Irrig.	2.86	36	31	57	Sioux.....	May	1	1894	511	.....
Niobrara River.....	McMannis, J. T., Et Al.	Hemingford ..	McMannis-Neeland Canal	Irrig.	.86	29	29	49	Dawes.....	June	15	1894	463	.....
Niobrara River.....	McCully, S. J.....	Carns .....	McCully Canal.....	Irrig.	8.57	25	32	20	Keya Paha..	Aug.	7	1894	583	.....
Niobrara River.....	Fienken, Chas.....	Dustin .....	Fienken Canal.....	Irrig.	1.00	12	33	16	Boyd.....	Oct.	1	1894	575	.....
Niobrara River.....	Wilson, J. A.....	Springview ..	Wilson Canal.....	Irrig.	5.71	18	32	21	Keya Paha..	Oct.	18	1894	591	.....
Niobrara River.....	Iodence, W. M.....	Dunlap .....	Lichte Canal.....	Irrig.	1.43	27	29	43	Dawes.....	Jan.	24	1895	479	.....
Niobrara River.....	Warneke, H.....	Harrison .....	Warneke Canal.....	Irrig.	1.57	27	31	57	Sioux.....	Feb.	13	1895	505	.....
Niobrara River.....	Cook, J. H.....	Agate .....	McGinley-Stover Upper Canal .....	Irrig.	2.86	23	29	56	Sioux.....	Feb.	25	1895	521	.....
Niobrara River.....	Harris, Octave.....	Marsland .....	LaBelle Canal.....	Irrig.	2.00	6	28	54	Sioux.....	Mar.	12	1895	513	.....
Niobrara River.....	Furman, H. G.....	Marsland .....	Snow Canal.....	Irrig.	2.86	35	29	51	Dawes.....	Mar.	26	1895	485	.....
Niobrara River.....	Hughes, Mary F.....	Marsland .....	Excelsior Canal.....	Irrig.	2.86	10	28	52	Box Butte...	May	15	1895	568	.....
Niobrara River.....	Hughes, Est. of Jno.....	Marsland .....	Hughes Canal.....	Irrig.		1	28	52	Box Butte...				937*	.....

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Month	D		
Niobrara River.....	Mann, John E.....	Harrison .....	Bourett Canal.....	Irrig.	2.00	33	30	56	Sioux.....	June	8	1895	4
Niobrara River.....	Bourett, John S.....	Harrison .....	Bourett So. Canal.....	Irrig.	1.43	29	30	56	Sioux.....	June	10	1895	5
Niobrara River.....	Hughes, Est. of Jno.....	Marsland .....	Hughes Canal.....	Irrig.	1.00	1	28	52	Box Butte...	June	26	1895	53
Niobrara River.....	Harris, Octave.....	Marsland .....	LaBelle Canal.....	Irrig.	3.14	6	28	54	Sioux.....	July	3	1895	60
Niobrara River.....	Bond-Tissot.....	Peters .....	Usher Canal.....	Irrig.	1.16	19	29	46	Sheridan.....	July	17	1895	82
Niobrara River.....	Neece, Robert.....	Marsland .....	Moore Canal.....	Irrig.	5.71	9	28	53	Sioux.....	July	22	1895	88
Niobrara River.....	Peters, H. A., Et Al.....	Hay Springs .....	Hay Springs Canal.....	Irrig.	14.29	29	29	47	Dawes.....	Sept.	27	1895	173
Niobrara River.....	Sandoz, George.....	Marsland .....	Mettlen Canal.....	Irrig.	10.00	4	28	54	Sioux.....	Apr.	27	1896	292
Niobrara River.....	Nceland, Sarah J.....	Hemingford .....	McManus-Nceland Canal.....	Irrig.	1.93	29	29	49	Dawes.....	Apr.	9	1898	448
Niobrara River.....	Armstrong, T. S.....	Butte .....	Armstrong Canal.....	Power	150.00	9	33	13	Boyd.....	May	14	1898	452
Niobrara River.....	Hunter, Jas. A.....	Alliance .....	Meridian Canal.....	Irrig.	5.14	25	29	50	Dawes.....	Aug.	29	1898	469
Niobrara River.....	Bourett, J. F.....	Harrison .....	Bourett Canal.....	Irrig.	1.00	29	30	66	Sioux.....	Mar.	5	1900	542
Niobrara River.....	Bourett, J. S.....	Harrison .....	J. S. Bourett Canal.....	Irrig.	1.71	19	30	56	Sioux.....	Mar.	17	1900	546
Niobrara River.....	Montague, James.....	Dunlap .....	Montague-Lichte Canal.....	Irrig.	.43	27	29	48	Dawes.....	Sept.	27	1900	575
Niobrara River.....	Fendrich, B.....	Dunlap .....	Chladek Canal.....	Irrig.	.30	26	29	48	Dawes.....	Mar.	18	1901	607
Niobrara River.....	Fendrich, G. A.....	Dunlap .....	Fendrich Canal.....	Irrig.	.29	32	29	48	Dawes.....	June	1	1901	616
Niobrara River.....	Fendrich, G. A.....	Dunlap .....	Fendrich Canal.....	Irrig.	.27	32	29	48	Dawes.....	June	1	1901	617
Niobrara River.....	Cornell, C. M.....	Valentine .....	Valentine Power Plant.....	Power	1,600.00	27	34	27	Cherry.....	Jan.	29	1902	652
Niobrara River.....	Potmesil Bros.....	Dunlap .....	Potmesil Canal.....	Irrig.	6.00	26	29	48	Dawes.....	May	19	1904	757
Niobrara River & Pepper Creek.....	Taylor, D. T.....	Hay Springs.....	Taylor Canal.....	Irrig.	4.57	28	29	47	Dawes.....	Aug.	8	1904	766
Niobrara River.....	Kay, John L.....	Marsland .....	Kay Canal.....	Irrig.	2.00	6	28	53	Dawes.....	May	12	1905	791
Niobrara River.....	Kirk, E. L.....	Sioux City.....	Nebr. Power Co.....	Power	900.00	34	32	7	Knox.....	Sept.	24	1909	961
Niobrara River.....	Kirk, E. L.....	Sioux City.....	Nebr. Power Co.....	Power	700.00	34	32	7	Knox.....	Aug.	9	1910	1019

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

Source	Name of Claimant	Post Office	Carrier	Useto which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Month			D
Niobrara River.....	McCormack, Geo. W.....	Harrison .....	Beiser Canal.....	Irrig.	.75	4	29	56	Sioux.....	Jan.	20	1911	1066
Niobrara River.....	McCormack, Geo. W.....	Harrison .....	Ext. Bourett Canal.....	Irrig.	1.21	33	30	56	Sioux.....	Jan.	23	1911	1067
Niobrara River.....	Iodence, W. M.....	Dunlap .....	Lichte Canal.....	Irrig.	3.00	27	29	48	Dawes.....	Apr.	7	1911	1086
Niobrara River.....	Dierex, Camille.....	Rushville .....	Camille Canal.....	Irrig.	1.53	19	30	43	Sheridan.....	Apr.	10	1911	1087
Niobrara River.....	Montague, James.....	Dunlap .....	Lichte Canal.....	Irrig.	.71	27	29	48	Dawes.....	Apr.	19	1911	1088
Niobrara River.....	Hopkins, Thomas L.....	Hemingford ..	Potesil Bros. Canal.....	Irrig.	.28	25	29	48	Sioux.....	Jan.	2	1912	1152
Niobrara River.....	Bourett, John.....	Harrison .....	J. Bourett Ext. No. 1.....	Irrig.	.11	29	30	56	Sioux.....	Mar.	25	1912	1188
Niobrara River.....	Wells, Harry E.....	Butte .....	Wells Pumping System.....	Irrig.	1.64	32	32	40	Sheridan.....	May	2	1912	1193
Niobrara River.....	Bourett, John.....	Harrison .....	J. Bourett Ext. No. 2.....	Irrig.	.21	32	30	56	Sioux.....	July	19	1912	1209
Niobrara River.....	Davidson, F. B. & C. T.	Hemingford ..	Mettlen Canal.....	Irrig.	5.00	4	28	54	Sioux.....	Dec.	18	1912	1248
Niobrara River.....	Davidson, F. B. & C. T.	Hemingford ..	Bennett Canal.....	Irrig.	4.00	1	28	54	Sioux.....	Dec.	18	1912	1249
Niobrara River.....	Bushnell, Thos. T.....	Marsland .....	Geo. Hitshevs Canal.....	Irrig.	6.00	6	28	52	Box Butte.....	Feb.	17	1913	1260
Niobrara River.....	Coffee Cattle Co.....	Chadron .....	Coffee Canal No. 3.....	Irrig.	2.50	15	29	56	Sioux.....	Mar.	24	1914	1362
Niobrara River.....	U. S. Forest Reserve.....	Nenzel .....	Morton Nursery Canal.....	Irrig.	.50	30	33	32	Cherry.....	June	15	1907	1488
Niobrara River.....	Davison, Fred B.....	Marsland .....	Davison Canal.....	Irrig.	.21	12	28	54	Sioux.....	Apr.	27	1922	1662
Niobrara River.....	Northern Nebr. Power Co. ....	Spencer .....	Northern Nebr. Power Plant No. 1.....	Power	1,450.00	30	33	11	Boyd.....	Oct.	30	1923	1725
Niobrara River.....	Northern Nebr. Power Co. ....	Spencer .....	Northern Nebr. Power Plant No. 1.....	R. Dam	A. 1725	30	33	11	Boyd.....	Aug.	20	1925	1777
Niobrara River.....	Northern Nebr. Power Co. ....	Spencer .....	Eagle Creek Power Plant	Power	\$80.00	6	32	10	Boyd.....	July	15	1927	1939
Niobrara River.....	Northern Nebr. Power Co. ....	Spencer .....	Northern Nebr. Power Plant No. 1.....	R. Dam	A. 1725	30	33	11	Boyd.....	Aug.	25	1927	1955

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D Yr.	
Niobrara River.....	Bradstreet, W. D.....	Spencer .....	Niobrara River Power Co. Plant.....	Power	880.00	5	32	10	Boyd.....	June	2	1928	.....	2020*
Pine Creek.....	Colclessor, Henry.....	Rushville .....	Pine Creek Mills.....	Power	32.00	33	30	44	Sheridan.....	June	5	1893	415	.....
Plum Creek.....	Plum Creek Irr. Co.....	Johnstown .....	Johnstown Canal.....	Irrig.	26.00	4	29	24	Brown.....	Dec.	18	1894	405	.....
Plum Creek.....	Wilbert, R.....	Ainsworth .....	Wilbert Canal.....	Irrig.	.43	35	32	23	Brown.....	May	5	1896	.....	329
Plum Creek.....	Interstate Power Co. of Nebraska.....	Dubuque, Ia..	Plum Creek Plant.....	Power	150.00	29	32	22	Brown.....	May	15	1909	.....	947
Pole Creek.....	Julian & Wells.....	Gordon .....	Pole Creek Canal.....	Irrig.	.57	28	32	40	Cherry.....	June	29	1906	.....	799
Rickman Creek.....	Byington, Lola.....	Riverview .....	Byington Canal.....	Irrig.	1.00	22	32	20	Keya Paha..	May	19	1891	582	.....
Rock Creek.....	Eastlick, B. J.....	Carns .....	Necessity Canal.....	Irrig.	.35	29	32	18	Rock.....	Jan.	17	1895	395	.....
Rock Creek.....	Wile, H.....	Mariaville .....	Wile Canal.....	Irrig.	.86	9	31	18	Rock.....	Apr.	3	1895	397	.....
Rock Creek.....	Duggar Bros.....	Bassett .....	Dugger Canal.....	Irrig.	4.57	33	32	18	Rock.....	Apr.	24	1919	.....	1539
Rock Cerek.....	Van Koten, J.....	Springview ...	Van Koten Canal.....	Irrig.	.07	25	33	22	Keya Paha..	Jan.	1	1885	619	.....
Rock Spgs. Creek	Moore, W. S.....	Meadville .....	Moore Canal.....	Irrig.	1.43	12	32	22	Keya Paha..	June	30	1887	593	.....
Shobe Branch.....	Lamb, A. J.....	Spencer .....	Lamb Canal.....	Irrig.	.14	30	33	11	Holt.....	July	6	1896	.....	322
Smiths Lake.....	Smith, Ira.....	Pony Lake.....	Smith Ditch.....	Drain			28	17	Rock.....	Oct.	24	1927	.....	1966
Snake River.....	Jackson, W. S.....	Valentine .....	Snake Hydro Elec. Co....	Power	180.00	9	31	30	Cherry.....	Feb.	16	1914	.....	1352

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Snider Creek	Pickler, W. S.	Springview	Old Canal	Irrig.	.01	31	33	19	Keya Paha..	May	1	1894	607	.....
Spring Creek	Kuskie, A. K.	Sparks	Garden Canal	Irrig.	.86	27	34	25	Cherry.....	Mar.	30	1900	.....	555
Stream, No Name	Grant, C. G.	Long Pine	Grant Canal	Irrig.	.14	4	31	20	Rock.....	Jan.	1	1895	400	.....
Stream, No Name	Conger, C. K.	Norden	Conger Canal	Irrig.	.11	5	33	24	Keya Paha..	Sept.	16	1895	.....	158
Turkey Creek	La Rue, Chas.	Norden	Turkey Creek Canal	Irrig.	.43	35	33	23	Keya Paha..	Feb.	9	1900	.....	539
Turkey Creek	La Rue, Chas.	Norden	Turkey Creek Canal No. 2	Irrig.	2.00	35	33	23	Keya Paha..	May	11	1904	.....	754
Verdigris Creek	Hanson, J. W.	Emmettburg, Ia.	Drayton Canal	Irrig.	2.86	8	28	8	Antelope.....	Aug.	11	1894	248	.....
Wyman Creek	McCully, R. A.	Carns	McCully Canal	Irrig.	.80	19	32	19	Keya Paha..	June	10	1891	604	.....
Wyman Creek	Horton, I.	Carns	Horton Canal	Irrig.	.14	17	32	19	Keya Paha..	June	5	1894	587	.....
Young Creek	Lamb, A. J.	Spencer	Harvey-Lamb Canal	Irrig.	.21	32	33	11	Holt.....	June	13	1896	.....	311

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doe. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Ash Creek.....	Connell, W. D.....	Whitney .....	Connell Canal.....	Irrig.	.63	6	32	50	Dawes.....	June	17	1888	.....	459
Ash Creek.....	Cripps, Fred W.....	Whitney .....	Cripps Canal No. 2.....	Irrig.	1.00	13	32	51	Dawes.....	Jan.	10	1899	.....	491
Ash Creek.....	Cripps, Fred W.....	Whitney .....	Cripps Canal.....	Irrig.	1.14	13	32	51	Dawes.....	Dec.	26	1903	.....	735
Ash Creek.....	Howard, W. C.....	Whitney .....	Cripps Canal.....	Irrig.	.57	13	32	51	Dawes.....	Aug.	27	1906	.....	835
Ash Cr., E. Br....	Tomlin, H. B. Est., et al. C. A. Minnick, Adm.....	Crawford .....	Ox Yoke Canal.....	Irrig.	1.47	31	32	50	Dawes.....	May	31	1880	447	.....
Ash Cr., E. Br....	Tomlin, H. B. Est., et al. C. A. Minnick, Adm.....	Crawford .....	Ox Yoke Canal.....	Irrig.	1.39	29	32	50	Dawes.....	May	31	1880	447 "R"	.....
Ash Cr., E. Br....	Stumph, John E., Gorr, L. A.....	Whitney .....	Barron Canal.....	Irrig.	1.14	32	32	50	Dawes.....	July	1	1888	438 "R"	.....
Ash Cr., E. Br....	Stumph, Nellie.....	Whitney .....	Stumph Canal.....	Irrig.	.20	31	32	50	Dawes.....	Sept.	5	1892	1023½	.....
Ash Cr., E. Br....	Ivins, Orville R.....	Crawford .....	Sheldon Canal.....	Irrig.	1.43	30	32	50	Dawes.....	Jan.	26	1899	.....	493
Ash Cr., E. Br....	Vetter, Andrew.....	Crawford .....	Todd Canal.....	Irrig.	.38	5	31	50	Dawes.....	Sept.	12	1899	.....	520
Ash Cr., E. Br. & Indian Cr....	Norman, Harry.....	Whitney .....	Norman Reservoir.....	Stor.	†1552	7	32	50	Dawes.....	Aug.	22	1927	.....	1953
Ash Cr., E. Br....	Gorr, L. A.....	Whitney .....	Barron Canal.....	Irrig.	.89	32	32	50	Dawes.....	Aug.	15	1928	.....	2024
Ash Cr., W. Br..	Ivins, Orville R., et al.	Crawford .....	W. Ash Creek Canal.....	Irrig.	1.62	36	32	51	Dawes.....	July	4	1893	452	.....
Ash Cr., W. Br..	Vetter, Andrew.....	Crawford .....	Mace Canal.....	Irrig.	1.00	2	31	51	Dawes.....	July	31	1884	428	.....
Ash Cr., W. Br..	Ivins, Orville R.....	Crawford .....	Woodward Canal.....	Irrig.	.14	36	32	51	Dawes.....	Feb.	3	1898	.....	434 "R"
Beaver Creek.....	Braddock, William Mrs.	Chadron .....	Braddock Canal.....	Irrig.	.36	18	34	46	Sheridan.....	Apr.	15	1895	423	.....
Beaver Creek.....	Braddock, J. F.....	Chadron .....	J. F. Braddock Canal.....	Irrig.	.04	1	34	47	Dawes.....	Apr.	15	1895	974	.....

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



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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.			
						S	T	R	County	Month			D	Yr.	
Beaver Creek.....	Braddock, William, Mrs.	Chadron .....	Wm. Lockler Canal.....	Irrig.	1.83	34	35	47	Dawes.....	Sept.	15	1892	1017	.....	
Beaver Creek.....	Braddock, J. F.....	Chadron .....	J. F. Braddock Canal.....	Irrig.	.63	1	34	47	Dawes.....	Nov.	24	1897	.....	463	
Beaver Creek.....	U. R. Land & Cattle Co.	Chadron .....	Cilek Canal.....	Irrig.	.36	4	33	46	Sheridan.....	June	19	1899	.....	513	
Beaver Creek.....	Cavins, J. A.....	Chadron .....	Rickman Canal.....	Irrig.	1.00	9	33	46	Sheridan.....	July	2	1902	.....	681	
Beaver Creek.....	Braddock, Julia A., Trus	Chadron .....	Braddock Ext.....	Irrig.	.39	18	34	46	Sheridan.....	Sept.	19	1928	.....	2033	
Beaver Creek.....	Braddock, Julia A., Trus	Chadron .....	Lockler Canal.....	Irrig.	.49	34	35	47	Dawes.....	Sept.	19	1928	.....	2034	
Bordeaux Creek....	Locket, T. E.....	Chadron .....	Locket Canal.....	Irrig.	.07	11	32	48	Dawes.....	June	30	1886	494	.....	
Bordeaux Creek....	Naylor, Charles.....	Chadron .....	Mann Canal.....	Irrig.	.23	25	33	48	Dawes.....	Dec.	31	1892	975	.....	
Bordeaux Creek....	Adams, S. L.....	Chadron .....	Adams Canal.....	Irrig.	.14	2	32	48	Dawes.....	Mar.	5	1893	450	.....	
Bordeaux Creek....	County of Dawes.....	Chadron .....	Dawes County Canal.....	Irrig.	.14	23	33	48	Dawes.....	July	31	1893	983	.....	
Bordeaux Creek....	Morrissey, M.....	Chadron .....	Morrissey Canal.....	Irrig.	.08	15	33	48	Dawes.....	Aug.	25	1894	491	.....	
Bordeaux Creek....	O'Donnell, John.....	Chadron .....	O'Donnell Canal.....	Irrig.	.14	9	34	48	Dawes.....	Jan.	17	1898	.....	432	
Bordeaux Creek....	Nelson, P. B.....	Chadron .....	Nelson Canal.....	Irrig.	.36	14	33	48	Dawes.....	Oct.	19	1898	.....	478	
Bordeaux Creek....	Nelson, P. B.....	Chadron .....	Nelson Canal.....	Irrig.	.14	14	33	48	Dawes.....	Jan.	28	1899	.....	494	
Bordeaux Creek....	Thomas Bros.....	Chadron .....	Thomas Canal.....	Irrig.	2.13	34	34	48	Dawes.....	Sept.	12	1924	.....	1748	
Bordeaux Creek....	O'Donnell, Pat.....	Chadron .....	O'Donnell Ext.....	Irrig.			9	34	48	Dawes.....	Sept.	22	1928	.....	2036
Bordeaux, Lit.....	Schmidt, Elwin.....	Chadron .....	Hartzell Canal.....	Irrig.	.57	13	33	48	Dawes.....	June	1	1893	448	.....	
Bordeaux, Lit.....	Butler, J. A.....	Chadron .....	Butler Canal.....	Irrig.	.11	33	33	47	Dawes.....	June	1	1894	443	.....	
Bordeaux, Lit.....	Frady, C. H.....	Chadron .....	Frady Canal.....	Irrig.		30	33	47	Dawes.....	.....	.....	.....	1009*	.....	
Bordeaux, Lit.....	Collin, Jacob.....	Chadron .....	Collin Res.....	Irrig.	.31	14	32	48	Dawes.....	Feb.	27	1906	.....	780	
Bull Creek.....	Johnson, W. S.....	Glen .....	Johnson Canal No. 1.....	Irrig.	.29	7	30	53	Sioux.....	Mar.	13	1895	519	.....	
Cedar Canyon.....	Pelren, J. E.....	Crawford .....	Cedar Canyon Canal.....	Irrig.	.43	16	33	53	Sioux.....	Mar.	1	1897	.....	380	

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

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Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.		
						S	T	R	County	Month	D			Yr.	
Chadron Creek.....	City of Chadron.....	Chadron .....	Chadron Water Wks.....	W. S.	1.00	18	32	48	Dawes.....	Dec.	31	1888	1022	.....	
Chadron Creek.....	Gorr, James.....	Chadron .....	Gallup Canal.....	Irrig.	.08	15	33	49	Dawes.....	Dec.	20	1890	426	.....	
Chadron Creek.....	Wilson, H. M.....	Chadron .....	Tug Wilson Canal.....	Irrig.	.20	12	32	49	Dawes.....	July	13	1893	453	.....	
Chadron Creek.....	City of Chadron.....	Chadron .....	Water Wks. Ext.....	Stor.	4.50	18	32	48	Dawes.....	Apr.	8	1920	.....	1583	
Chadron Creek.....	State Park Board.....	Chadron .....	Chadron State Park												
			-Lake.....	Dam	10.00	10	31	32	48	Dawes.....	Apr.	17	1928	.....	2007
Charcoal Cr.....	Weber, M. J.....	Glen .....	Klein Canal.....	Irrig.	.11	33	31	53	Sioux.....	Aug.	1	1882	982	.....	
Cottonwood Cr....	Rasmussen, J. J. & C. M.....	Crawford .....	Rasmussen Canal.....	Irrig.	2.29	10	33	52	Dawes.....	Mar.	8	1898	.....	444	
Cottonwood Cr....	Rasmussen, J. J. & C. M.....	Crawford .....	Rasmussen Canal.....	Irrig.	18.00	10	33	52	Dawes.....	Dec.	26	1899	.....	528	
Cottonwood, Little .....	Golden, T. F.....	Crawford .....	Thos. Stuart Canal.....	Irrig.	.36	8	32	52	Dawes.....	Dec.	21	1890	426	.....	
Cottonwood, Little .....	Price, J. A. B. & Golden, T. F.....	Crawford .....	Stuart Bros. Canal.....	Irrig.	2.86	18	32	52	Dawes.....	June	10	1895	.....	8	
Cottonwood, Little .....	Simons, Rayner.....	Crawford .....	Simons Canal.....	Irrig.	1.14	9	32	51	Dawes.....	Sept.	12	1899	.....	521	
Cottonwood, Little .....	Kusel, William T.....	Chadron .....	Kusel Canal No. 2.....	Irrig.	.43	8	32	51	Dawes.....	May	19	1900	.....	560	
Cottonwood, Little .....	Dunn, J. G.....	Crawford .....	Dunn Canal.....	Irrig.	1.43	9	32	52	Dawes.....	Jan.	14	1902	.....	649	
Cottonwood, Little .....	Erickson, John R.....	Crawford .....	Stuart-Maple Canal.....	Irrig.	.70	3	32	52	Dawes.....	Mar.	10	1902	.....	656	

† Acre feet per annum.

REPORT OF SECRETARY

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.
						S	T	R	County	Month		
Cottonwood, Little	Kusel, William T.	Chadron	Kusel-Spean Canal	Irrig.	.71	8	32	51	Dawes	June 30	1902	677
Cottonwood, Little	Lawrence, Thos. E.	Crawford	Broadhurst Canal	Irrig.	1.08	7	32	51	Dawes	Feb. 25	1913	1264
Cottonwood, Little	Dodd & McDowell	Crawford	Dodd-McDowell Canal	Stor.	640 AF	13	32	53	Sioux	Apr. 15	1913	1276
Cottonwood, Little, (Res. A. 1276)	Dodd, Calvin H.	Crawford	Dodd-McDowell Res.	Irrig.	2.00	17	32	52	Dawes	Jan. 5	1920	1571
Dead Horse Cr.	Kemery, John	Chadron	Kemery Canal	Irrig.	.01	32	32	49	Dawes	Sept. 1	1890	493
Dead Horse Cr.	Woodruff, F. B. & E. F.	Chadron	Flag Butte Canal	Irrig.	.03	32	32	49	Dawes	Apr. 10	1891	427
Dead Horse Cr.	Goff, L. L.	Chadron	Goff Canal	Irrig.	.17	9	31	49	Dawes	Aug. 27	1893	457
Dead Horse Cr.	Harley, Jas.	Chadron	Harley Canal	Irrig.	.01	32	32	49	Dawes	Aug. 1	1894	488
Dead Horse Cr.	Geiser, B. A.	Chadron	Geisers Canal	Irrig.	.15	17	32	49	Dawes	Mar. 18	1902	658
Dead Horse Cr.	White, Chas. M. et al.	Chadron	Slattery Canal	Irrig.	1.29	32	33	49	Dawes	Apr. 6	1904	749
Dead Horse Cr.	White, C. M.	Chadron	Slattery Canal Ext.	Irrig.	.55	32	33	49	Dawes	June 15	1928	2021
Deadman Creek	Linderman, Con.	Crawford	Linderman Canal	Irrig.	.14	18	30	52	Dawes	June 11	1900	564
Deep Creek	Barnum, W. E.	Glen	Deep Creek Canal	Irrig.	.06	9	30	53	Sioux	May 1	1887	525
Dry Draw	Ernest, Geo. A.	Chadron	Geo. Ernest Canal	Irrig.	3.71	22	35	49	Dawes	Feb. 20	1911	1061
Dry Draw	Glaze, Wm. A. W. E. Heath, Agent	Crawford	Heath Res.	Stor.	†200 AF	12	32	53	Sioux	Feb. 7	1917	1475

† Acre feet per annum.

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

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Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Month			D
Dry Draw, (Res. A. 1475)	Heath, W. E.	Crawford	Heath Canal	Irrig.	.74	12	32	53	Sioux	July	25	1921	1612
Dry Canyon	Betson, Wm. A.	Crawford	Betson Canal	Irrig.	1.00	33	32	51	Dawes	Mar.	22	1917	1481
Dry Run	Campbell, F. J.	Chadron	Campbell Canal	Irrig.	1.00	35	34	49	Dawes	Nov.	9	1908	919
Dry Run	Guse, Wm.	Crawford	Guse Res.	Stor.	†300 AF	35	34	52	Dawes	Jan.	13	1914	1345
Dry Run	Harrison & Weston	Whitney	Harsh-Weston Canal	Irrig.	3.00	31	34	51	Dawes	Mar.	11	1914	1361
English Creek	McDowell, E. C.	Crawford	McDowell Stor. System	Irrig.	.87	12	31	52	Dawes	Oct.	24	1904	772
Flood Waters	Lenehan, Delia	Crawford	Lenehan Res.	Stor.	†22 AF	25	34	52	Dawes	Apr.	16	1913	1278
Flood Waters	Arner, Jessie B.	Crawford	Arner Canal	Irrig.	.14	27	33	53	Sioux	May	6	1913	1289
Hooker Creek	Bauersach, C.	Crawford	Bauersach Canal	Irrig.	.87	7	31	51	Dawes	Dec.	31	1889	492
Hooker Creek	Hansen, Svend A.	Aurora	Alcorn Canal	Irrig.	1.21	31	32	51	Dawes	Nov.	17	1905	803
Hooker Creek	Souther, Mable G.	Lincoln	Souther Lake	F. & I.	1.42	30	32	51	Dawes	Sept.	24	1908	915
Indian Creek	Renfro, Oscar S.	Chadron	Seegrist Canal	Irrig.	.03	3	31	50	Dawes	Nov.	1	1893	489
Indian Creek (Res. A. 1822)	Renfro, Oscar S.	Chadron	Seegrist Ext.	Irrig.	.50	3	31	50	Dawes	Nov.	29	1919	1569
Indian Creek	Norman, Harry	Whitney	Norman Canal	Irrig.	1.92	16	32	50	Dawes	Aug.	3	1921	1614
Indian Creek	Norman, Harry	Whitney	Elmer Canal	Irrig.	.77	16	32	50	Dawes	Jan.	17	1923	1704
Indian Creek	Renfro, Oscar S.	Chadron	Renfro Res.	Stor.	†65 AF	3	31	50	Dawes	June	21	1926	1822

† Acre feet per annum.

REPORT OF SECRETARY

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.		
						S	T	R	County	Month	D			Yr.	
Indian Creek..... (Res. A. 1822)	Renfro, Oscar S.....	Chadron .....	Seegrist Ext. No. 2.....	Irrig.	4.89	3	31	50	Dawes.....	June	21	1926	.....	1823	
Indian Creek.....	Norman, Elmer D.....	Whitney .....	Norman Canal.....	Irrig.	1.28	16	32	50	Dawes.....	Aug.	18	1927	.....	1952	
Indian Creek and East Ash Creek	Norman, Harry.....	Whitney .....	Norman Res.....	Stor.	†776	AF	7	32	50	Dawes.....	Aug.	22	1927	.....	1953
Indian Creek, Trib. to.....	Kaiser, Omar A.....	Whitney .....	Kaiser Canal.....	Irrig.	.57	28	32	50	Dawes.....	Feb.	15	1900	.....	540	
Indian Creek, Trib. to.....	Honnold Bros.....	Whitney .....	Honnold-Wilson Canal....	Irrig.	.07	3	31	50	Dawes.....	May	25	1912	.....	1199	
Madden Creek & No. Creek.....	Flannigan, O. R.....	Chadron .....	Dams .....	Irrig.	.57	31	35	48	Dawes.....	Oct.	17	1904	.....	771	
Rush Creek.....	Braddock, H. T.....	Chadron .....	Braddock Canal.....	Irrig.	3.00	10	34	49	Dawes.....	May	4	1903	.....	706	
Sand Cr. Trib. to Cottonwood .....	Everson, Jas. T. and Arner, Lloyd C.....	Crawford .....	Bendix Canal.....	Irrig.	.57	35	33	53	Sioux.....	Nov.	19	1895	.....	189	
Sand Cr. Trib. to Cottonwood .....	Arner, J. H.....	Crawford .....	Arner Canal.....	Irrig.	2.57	26	33	53	Sioux.....	Jan.	12	1905	.....	779	
Sand Cr. Trib. to Cottonwood .....	Everson, Jas. T. and Arner, Lloyd C.....	Crawford .....	Bendix Extension.....	Irrig.	.83	35	33	53	Sioux.....	May	27	1922	.....	1669	
Saw Log, E.....	Stewart, H. E.....	Crawford .....	Little Saw Log Canal....	Irrig.	.71	12	30	52	Dawes.....	Jan.	23	1907	.....	849	

† Acre feet per annum.

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

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Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Saw Log, E.....	Young, C. A.....	Crawford .....	Stephenson Canal.....	Irrig.	.33	25	31	52	Dawes.....	Mar.	5	1907	.....	852
Saw Log, E.....	Baker, A. D.....	Crawford .....	Baker Canal.....	Irrig.	.04	5	30	51	Dawes.....	Jan.	3	1908	.....	884
Saw Log, E.....	Porter, J. E. & Masters, C. E.....	Crawford .....	Van Treek Canal.....	Irrig.	.37	4	30	51	Dawes.....	May	8	1911	.....	1098
Saxson Draw.....	Dodd, Clara A.....	Crawford .....	Harris Res.....	Stor.	†7 A.F.	32	33	52	Dawes.....	Sept.	29	1922	.....	1689
Saxson Draw..... (Res. A. 1689)	Dodd, Clara A.....	Crawford .....	Harris Res. Canal.....	Irrig.	.74	32	33	52	Dawes.....	Mar.	31	1928	.....	1996
Sheridan Creek.....	Getchell, G. C.....	Pine Ridge.....	Getchell Canal.....	Irrig.	.07	27	34	45	Sheridan.....	Aug.	1	1894	418	.....
Soldier Creek.....	Rodgers, J. J.....	Crawford .....	Rodger Canal.....	Irrig.	.14	5	31	53	Sioux.....	Apr.	30	1883	546	.....
Spring Br., Trib. to White River (Tucker Cr.)	Cutler, Jennie R.....	Glen .....	Tucker Canal.....	Irrig.	.17	34	31	54	Sioux.....	June	1	1883	557	.....
Spring Creek.....	Swinbank, Sam et al.....	Crawford .....	Mozeter Canal.....	Irrig.	1.14	13	32	52	Dawes.....	May	3	1888	1014	.....
Spring Creek.....	Forbes, J. D.....	Crawford .....	Forbes Canal No. 1.....	Irrig.	.57	20	32	52	Dawes.....	Apr.	28	1902	.....	663
Sp. Cr., Trib. to Little Cottonw'd	Goff, T. L.....	Chadron .....	Goff Canal.....	Irrig.	.14	30	32	49	Dawes.....	Apr.	2	1891	441	.....
Sp. Cr., Trib. to Little Cottonw'd	Pinney, B. G.....	Crawford .....	Squaw Creek Canal.....	Irrig.	.86	13	32	52	Dawes.....	May	10	1894	466	.....
Sp. Cr., Trib. to Little Cottonw'd	Lawrence, Thos. E.....	Crawford .....	Spring Creek Canal No. 1 .....	Irrig.	1.30	13	32	51	Dawes.....	Dec.	1	1894	473	.....

† Acre feet per annum.

REPORT OF SECRETARY

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Sp. Cr., Trib. to Little Cottonw'd	Lawrence, Fay.....	Crawford	Spring Cr. Canal No. 1	Irrig.	5.00	3	32	52	Dawes.....	Apr.	7	1905	.....	788
Squaw Creek	Hall, LeRoy and Frank.....	Crawford	Cooper Canal.....	Irrig.	2.01	36	32	52	Dawes.....	May	8	1896	.....	333
Squaw Creek	McDowell, E. C.....	Crawford	Squaw Cr. Canal.....	Stor.	†100 AF	12	31	52	Dawes.....	Oct.	3	1911	.....	1132
Squaw Creek (Res. A. 1132)	McDowell, E. C.....	Crawford	Squaw Cr. Canal.....	Irrig.	2.96	12	13	52	Dawes.....	Jan.	4	1922	.....	1631
Trunk Butte Cr..	Smock, M.....	Whitney	Smock Canal.....	Irrig.	.07	26	32	50	Dawes.....	June	28	1895	.....	465
Trunk Butte Cr..	Chaulk, John J.....	Chadron	Chaulk Canal.....	Irrig.	3.00	25	33	50	Dawes.....	Mar.	13	1915	.....	1406
White Clay Cr..	Tandy, A. M.....	Crawford	McFarland Canal.....	Irrig.	1.64	35	32	52	Dawes.....	May	18	1891	.....	960
White Clay Cr..	White River Irr. Co.....	Crawford	White River Canal.....	O. D.		35	32	52	Dawes.....	Dec.	31	1894	.....	477
White Clay Cr..	Hall, LeRoy and Frank.....	Crawford	Cooper Canal.....	Irrig.	3.71	2	31	52	Dawes.....	June	22	1895	.....	42
White Clay Cr..	Pine Ridge Agency.....	Pine Ridge, S. D.	Pine Ridge Canal.....	Irrig.			35	45	Sheridan.....				.....	419*
White Clay Cr..	Hunt, Joe E.....	Crawford	Rinicker Canal.....	Irrig.	.33	11	31	52	Dawes.....	June	8	1901	.....	618
White Clay Cr..	Moss, J. H.....	Crawford	Hutzel Canal.....	Irrig.	.57	13	31	52	Dawes.....	Apr.	30	1903	.....	704
White Clay Cr..	Townsend, Chas.....	White Clay	Townsend Canal.....	Irrig.	.80	25	25	35	Sheridan.....	Jan.	21	1911	.....	1054
White Clay Cr..	Hunt, Joe E.....	Crawford	Handschugel Lake.....	Stor.	†22 AF	11	31	52	Dawes.....	Dec.	17	1915	.....	1441
White Clay Cr.. E. Branch	Stewart, H. E.....	Crawford	Little Saw Log.....	Irrig.	.71	12	30	52	Dawes.....	Jan.	23	1907	.....	849
White Clay & Squaw Creek	White River Irr. Co.....	Crawford	White River Canal.....	Irrig.	8.00	36	32	52	Dawes.....	Mar.	3	1902	.....	655
White River.....	Hall, LeRoy.....	Crawford	Halls Mill.....	Power	24.83	34	32	52	Dawes.....	Sept.	10	1885	.....	478a

† Acre feet per annum.

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

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Source	Name of Claimant	Post Office	Carrier	Use to v. app'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.		
						S	T	R	County	Month	D			Yr.	
White River.....	City of Crawford.....	Crawford .....	Crawford Water System.....	Irrig.	5.00	3	31	52	Dawes.....	Oct.	1	1890	102G	.....	
White River.....	Pinney, B. G. et al.....	Crawford .....	Harris-Cooper Canal.....	Irrig.	16.78	26	32	52	Dawes.....	Mar.	9	1894	464a	.....	
White River.....	Pinney, B. G. et al.....	Crawford .....	Harris-Cooper Canal.....	Irrig.	1.57	26	32	52	Dawes.....	June	15	1894	464b	.....	
White River.....	Pinney, B. G., et al.....	Crawford .....	Harris-Cooper Canal.....	Irrig.	.28	26	32	52	Dawes.....	Oct.	31	1894	464c	.....	
White River.....	Est. of Chas. Rasher.....	Crawford .....	Rasher Canal.....	Irrig.	1.14	19	32	51	Dawes.....	June	20	1894	467	.....	
White River.....	White River Irr. Co.....	Crawford .....	White River Canal.....	Irrig.	8.71	35	32	52	Dawes.....	Dec.	31	1894	477	.....	
(White-Clay-Cr.)															
White River.....	Hall Ditch Co.....	Crawford .....	Hall Canal No. 2.....	Irrig.	12.60	34	32	52	Dawes.....	Jan.	10	1895	478c	.....	
White River.....	C. B. & Q. R. R. Co.....	Lincoln .....	C. B. & Q. Line at Crawford .....	Irrig.	.80	3	31	52	Dawes.....	Sept.	14	1889	1030	.....	
White River.....	Barlett, A. M.....	Chadron .....	Jones Canal.....	Irrig.	.71	18	34	48	Dawes.....	May	21	1897	.....	391	
White River.....	Forbes, Jeanette, et al.....	Crawford .....	Rasher Canal.....	Irrig.	.60	19	32	51	Dawes.....	May	23	1898	.....	456	
White River.....	Rasher, Frank.....	Crawford .....	Rasher Canal.....	Irrig.	1.36	19	32	51	Dawes.....	Jan.	16	1900	.....	534	
White River.....	Village of Crawford.....	Crawford .....	Crawford Pump Sta.....	Power	18.00	3	31	52	Dawes.....	Mar.	30	1903	.....	702	
White River.....	Schwabe, August.....	Chadron .....	Schwabe Canal.....	Irrig.	.57	24	34	49	Dawes.....	June	13	1904	.....	758	
White River.....	Schwabe, August.....	Chadron .....	Schwabe Power Plant.....	Power	5.00	24	34	49	Dawes.....	June	13	1904	.....	759	
White River.....	Schwabe, August.....	Chadron .....	Schwabe Canal.....	Irrig.	.29	24	34	49	Dawes.....	Mar.	19	1906	.....	815	
White River.....	White River Irr. Co.....	Crawford .....	White R. Canal So. Br.....	Irrig.	1.43	25	32	52	Dawes.....	Mar.	11	1909	.....	936	
White River.....	Schwabe, August.....	Chadron .....	Schwabe Canal.....	Irrig.	3.43	31	34	48	Dawes.....	July	23	1908	.....	908	
White River.....	Pinney & Denslow.....	Crawford .....	Pinney & Denslow Res.. No. 2.....	Stor.	†100	Ac	26	32	52	Dawes.....	Aug.	10	1911	.....	1122
White River.....	Forbes, Wm. T.....	Crawford .....	Forbes Ext.....	Irrig.	.50	19	32	51	Dawes.....	Sept.	26	1911	.....	1128	
White River.....	Whitney Irr. District.....	Whitney .....	Whitney Res. & Pipe Line .....	Stor.	†10,960	26	32	52	Dawes.....	Apr.	28	1921	.....	1603	
White River.....	Norman, Wm.....	Whitney .....	Whitney Pipe Line.....	Irrig.	3.60	26	32	52	Dawes.....	May	2	1921	.....	1604	

† Acre feet per annum.

REPORT OF SECRETARY



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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
White River.....	Whitney Irr. District.....	Whitney .....	Whitney Pipe Line.....	Irrig.	25.00	26	32	52	Dawes.....	Nov.	7	1921	.....	1625
White River.....	Simons, Raynor.....	Whitney .....	Raynor Simons Canal.....	Irrig.	2.07	4	32	51	Dawes.....	Nov.	18	1921	.....	1626
White River.....	Norman, Wm.....	Whitney .....	Whitney Pipe Line.....	Irrig.	.41	26	32	52	Dawes.....	Apr.	26	1922	.....	1660
White River..... (Res. A. 1603)	Whitney Irr. District.....	Whitney .....	Whitney Pipe Line.....	Irrig.	139.00	4	32	51	Dawes.....	Dec.	7	1925	.....	1787
						34	33	51						
						35	33	51						
White River.....	Hageman, Otto.....	Chadron .....	Hageman Canal.....	Irrig.		26	33	50	Dawes.....	Oct.	18	1925	.....	2046

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

Source	Name of Claimant	Post Office	Carrier	Used w' app'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Antelope Cr.....	Gayhart, M. J.....	Montrose .....	Gayhart Canal.....	Irrig.	2.43	16	34	55	Sioux.....	June	18	1904	.....	760
Antelope Cr..... No. Branch	Story, O. W.....	Story .....	Story Canal.....	Irrig.	2.00	8	34	56	Sioux.....	Nov.	11	1895	.....	168
Antelope Cr..... No. Branch (Dry Creek)	Story, O. W.....	Story .....	Story Canal.....	Irrig.	5.71	9	34	56	Sioux.....	Mar.	26	1918	.....	1500
Antelope Cr..... No. Branch (Dry Creek)	Schnurr, Albert.....	Harrison .....	Grammercy Dam.....	Floods	10-A. F.	13	34	57	Sioux.....	Sept.	24	1920	.....	1591
Antelope Cr..... So. Branch (Res. A. 1675)	Turner, Geo. H. Est.....	Harrison .....	Turner Canal.....	Irrig.	.86	26	34	57	Sioux.....	Oct.	31	1894	537	1676 S
Antelope Cr..... So. Branch	Turner, Sarah A.....	Harrison .....	Turner Canal.....	D. 537	.86	26	34	57	Sioux.....					1676
Antelope Cr..... So. Branch	Dryer, F. W.....	Harrison .....	Ellis Canal.....	Irrig.	.29	9	33	57	Sioux.....	May	17	1896	.....	338
Antelope Cr..... So. Branch	Turner, Sarah A.....	Harrison .....	Turner Res.....	Stor.	†166 A. F.	26	34	57	Sioux.....	July	3	1922	.....	1675
Antelope Cr..... So. Branch (Res. A. 1675)	Turner, Sarah A.....	Harrison .....	Turner Canal.....	Irrig.	1.68	26	34	57	Sioux.....	July	3	1922	.....	1677
Boggy Creek.....	Holly, Thos.....	Crawford .....	Holly Canal.....	Irrig.	.11	30	33	54	Sioux.....	Dec.	31	1888	956	.....
Boggy Creek.....	Smith, J. W.....	Harrison .....	Smith Canal.....	Irrig.	.28	31	33	54	Sioux.....	May	1	1892	526	.....
Boggy Creek.....	Wickersham Cattle Co.....	Omaha .....	Wickersham Canal.....	Irrig.	3.00	31	33	54	Sioux.....	Feb.	28	1903	.....	701
Boggy Creek..... Mid. Branch	Bannon, J. F.....	Harrison .....	Bannon Canal.....	Irrig.	.06	7	32	54	Sioux.....	July	1	1886	560	.....
Boggy Creek..... Mid. Branch	Marten, Wm.....	Harrison .....	Marten Canal.....	Irrig.	.36	18	32	54	Sioux.....	May	19	1896	.....	342

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Month	D Yr.			
Boggy Creek..... Mid. Branch	Hill, Albert E.....	Harrison .....	Hill Canal.....	Irrig.	.86	11	32	55	Sioux.....	Jan.	20	1908	.....	886
Cedar Creek.....	Knori, Samuel.....	Harrison .....	Schelt Cr. Canal.....	Irrig.	.57	35	33	56	Sioux.....	May	15	1885	507	.....
Cedar Creek.....	Valdez, M.....	Harrison .....	Valdez Canal.....	Irrig.	.50	10	32	56	Sioux.....	Apr.	5	1886	976	.....
Cedar Creek.....	Plunkett, John.....	Harrison .....	Plunkett Canal.....	Irrig.		4	32	56	Sioux.....				985*	.....
Cherry Creek.....	Ruffing, M.....	Harrison .....	Cherry Cr. Canal.....	Irrig.	.03	20	33	54	Sioux.....	May	1	1893	549	.....
Dry Gulch.....	Child, L. M.....	Story .....	Child Canal.....	Irrig.	.57	28	34	56	Sioux.....	Aug.	14	1914	.....	1376
Geike Creek.....	Geike, August.....	Harrison .....	Geike Canal.....	Irrig.	.43	19	33	56	Harrison.....	Nov.	4	1927	.....	1967
Hat Creek.....	Thayer, John A.....	Harrison .....	W. Hat Cr. Canal.....	Irrig.	.43	16	32	55	Sioux.....	June	1	1880	553a	.....
Hat Creek.....	Coffee, Charles S.....	Harrison .....	Coffee Canal.....	Irrig.	4.29	26	33	55	Sioux.....	Sept.	1	1881	512	.....
Hat Creek.....	Thayer, John A.....	Harrison .....	W. Hat Cr. Canal.....	Irrig.	.57	16	32	55	Sioux.....	May	31	1886	553	.....
Hat Creek.....	Coffee, J. T., et al.....	Harrison .....	Miller Canal.....	Irrig.	.37	23	33	55	Sioux.....	May	19	1896	.....	341
Hat Creek.....	Haas, Peter.....	Harrison .....	Haas Canal.....	Irrig.	.08	2	33	55	Sioux.....	May	8	1899	.....	510
Hat Creek.....	Lyon, E. B.....	Harrison .....	Antrim Canal.....	Irrig.	.57	3	32	55	Sioux.....	Dec.	24	1900	.....	594
Hat Creek.....	Lyon, E. B.....	Harrison .....	Antrim Canal.....	Irrig.	.57	3	32	55	Sioux.....	Aug.	20	1906	.....	834
Hat Creek.....	Coffee, Jno. T.....	Harrison .....	Coffee & Son Flood Canal .....	Irrig.	6.00	14	33	55	Sioux.....	Oct.	22	1912	.....	1236
Hat Creek.....	Zerbe, Harry T.....	Harrison .....	Zerbe Res.....	Stor.	17 AF	35	33	55	Sioux.....	Mar.	25	1915	.....	1407
Hat Cr. Canyon, trib. to.....	Konrath, Jas.....	Montrose .....	Konrath Canal.....	Irrig.	1.43	17	34	54	Sioux.....	Dec.	28	1905	.....	808

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

Source	Name of Claimant	Post Office	Carrier	Used to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Indian Cr. Dry, Trib. to.....	Meier, Aug.....	Ardmore, S. D.....	Meier Dam.....	Irrig.	2.00	24	35	55	Sioux.....	Nov.	5	1900	.....	585
Jim Creek.....	Daut, L.....	Harrison .....	Daut Bros. Canal.....	Irrig.	.86	7	33	56	Sioux.....	May	15	1889	.....	381
Jim Creek.....	Slattery, James.....	Harrison .....	Woodruff S. Canal.....	Irrig.	.34	14	33	57	Sioux.....	May	1	1890	.....	536
Jim Creek.....	Snider, Al.....	Harrison .....	Jim Creek Canal.....	Irrig.	.43	8	33	56	Sioux.....	Dec.	15	1890	.....	502
Jim Creek.....	Slattery, William.....	Harrison .....	Slattery Canal.....	Irrig.	.20	13	33	57	Sioux.....	May	31	1891	.....	543
(Res. A. 1680) ..	Slattery, William.....	Harrison .....	Slattery Canal.....	D 543	.20	13	33	57	Sioux.....	.....	.....	.....	.....	1683 S
Jim Creek.....	Coffee, John T.....	Harrison .....	Hunter Canal.....	Irrig.	.03	26	33	54	Sioux.....	May	12	1898	.....	451
Jim Creek.....	Slattery, William.....	Harrison .....	Caladonia Dam.....	Stor.	†12	13	33	57	Sioux.....	July	20	1923	.....	1680
(Res. A. 1680) ..	Slattery, William.....	Harrison .....	Caladonia Canal.....	Irrig.	.28	13	33	57	Sioux.....	.....	.....	.....	.....	1681
Jim Creek.....	Slattery, William.....	Harrison .....	High Line Canal.....	Irrig.	.34	13	33	57	Sioux.....	July	20	1922	.....	1682
(Res. A. 1680) ..	Slattery, William.....	Harrison .....	Caladonia Canal.....	Irrig.	.24	13	33	57	Sioux.....	July	20	1922	.....	1683
Jim Cr. & No.														
Jim Creek.....	Dout, Clarence.....	Harrison .....	Dout Res. No. 1.....	Stor.		18	33	56	Sioux.....	Apr.	2	1928	.....	1999
Jim Creek.....	Dout, Clarence.....	Harrison .....	Dout Canal No. 1.....	Irrig.		18	33	56	Sioux.....	Apr.	2	1928	.....	2000
(Res. A. 1999)														
Jim Creek.....	Dout, Clarence.....	Harrison .....	Dout Res. No. 2.....	Stor.		7	33	56	Sioux.....	Apr.	2	1928	.....	2001
Jim Creek.....	Dout, Clarence.....	Harrison .....	Dout Canal No. 2.....	Irrig.		7	33	56	Sioux.....	Apr.	2	1928	.....	2002*
(Res. A. 2001)														
Jim Creek.....	Wassenberger, J.....	Montrose .....	Wassenberger Canal.....	Irrig.	2.29	29	34	54	Sioux.....	Oct.	13	1900	.....	581
E. Fork														
Lickett Creek.....	Coffee, S. B.....	Chadron .....	Lickett Canal.....	Irrig.		27	33	54	Sioux.....	.....	.....	.....	.....	1005*
Lickett Creek.....	Coffee, S. B.....	Chadron .....	Lickett Canal.....	Irrig.	1.43	27	33	54	Sioux.....	Mar.	21	1900	.....	549

\* Application pending.  
 † Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgata			Date of Priority			Doc. No.	App. No.		
						S	T	R	County	Month	D			Yr.	
Little Red Cr.....	Plunkett, Thomas.....	Harrison .....	Zerbst Canal.....	Irrig.	.14	25	33	56	Sioux.....	May	1	1893	551	.....	
Little Red Cr.....	Zerbst, Sophia.....	Harrison .....	Zerbst Canal.....	Irrig.	.90	34	33	56	Sioux.....	Apr.	3	1928	.....	2003	
Long Branch.....	Turnbull, S. C.....	Ardmore, S. D.....	O'Connell Canal.....	Irrig.	.20	22	35	54	Sioux.....	Nov.	10	1900	.....	587	
Long Branch.....	Ebert, L. J.....	Ardmore, S. D.....	Ebert Canal.....	Irrig.	.14	19	35	53	Sioux.....	Aug.	22	1901	.....	635	
Monroe Creek.....	Knori, Samuel.....	Harrison .....	Big Monroe Canal.....	Irrig.	1.43	33	33	56	Sioux.....	May	1	1888	506	.....	
Monroe Creek.....	Knori, Samuel.....	Harrison .....	Schilte-Monroe Canal.....	Irrig.	.50	27	33	56	Sioux.....	July	2	1888	509	.....	
Monroe Creek.....	Holz, Ferdinand.....	Harrison .....	Noreisch Canal.....	Irrig.	.04	33	33	56	Sioux.....	July	19	1895	.....	83	
Monroe Creek.....	Jordan, Cornelius.....	Montrose .....	Jordan Res.....	Stor.	271	A. F.	13	33	56	Sioux.....	Nov.	12	1906	.....	\$41
(Res. A. 841)	Jordan, Cornelius.....	Montrose .....	Kite Canal.....	Irrig.	2.20	13	33	56	Sioux.....	Nov.	12	1906	.....	\$41	
(Res. A. 1399)	Jordan, Cornelius.....	Montrose .....	Kite Canal.....	A. \$41	2.00	13	33	56	Sioux.....	.....	.....	.....	.....	1469	
Monroe Creek.....	Jordan, Cornelius.....	Montrose .....	Jordan Res.....	Stor.	300	A. F.	13	33	56	Sioux.....	July	30	1914	.....	1375
(Res. A. 1375)	Jordan, Cornelius.....	Montrose .....	Jordan Canal.....	Irrig.	2.00	13	33	56	Sioux.....	July	30	1914	.....	1375	
(Res. A. 1399)	Jordan, Cornelius.....	Montrose .....	Jordan Canal.....	A. 1375	1.40	13	33	56	Sioux.....	.....	.....	.....	.....	1470	
Monroe Creek.....	Jordan, Richard.....	Harrison .....	Wooden Shoe Res.....	Stor.	76	A. F.	22	23	56	Sioux.....	Aug.	14	1914	.....	1377
Monroe Creek.....	Jordan, Cornelius.....	Montrose .....	Jordan Res. Ext.....	Stor.	600	A. F.	13	33	56	Sioux.....	Jan.	14	1915	.....	1399
Monroe Creek.....	Jordan, Cornelius.....	Harrison .....	Kite Canal.....	Irrig.	2.20	13	33	56	Sioux.....	Jan.	14	1915	.....	1469	
(Res. A. 1399)	Jordan, Cornelius.....	Harrison .....	Supple. to Jordan Canal A. 1375.....	Irrig.	1.40	13	33	56	Sioux.....	Jan.	14	1915	.....	1470	
Monroe Creek.....	Jordan, Richard.....	Harrison .....	Jordan Canal.....	Irrig.	.....	22	33	56	Sioux.....	Sept.	19	1928	.....	2032	
Prairie Dog Cr.....	Knori, Samuel.....	Harrison .....	Schilt Prairie Dog Canal	Irrig.	1.14	35	33	56	Sioux.....	May	31	1886	608	.....	

† Acre feet per annum.

DEPARTMENT OF PUBLIC WORKS

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Dec. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Prairie Dog Cr....	Plunkett, Thos.....	Harrison .....	Plunkett Res.....	Stor.	110 A. F.	25	33	56	Sioux.....	Sept.	18	1928	.....	2031
Sou Belly Creek..	Schaefer, Nick J.....	Harrison .....	Old Sou Belly Canal.....	Irrig.	3.00	4	32	55	Sioux.....	June	1	1887	533	.....
Sou Belly Creek..	Zerbe, Frank.....	Harrison .....	Montgomery Canal.....	Irrig.	1.00	21	33	55	Sioux.....	Dec.	1	1890	559	.....
Sou Belly Creek..	Jordan, Sarah.....	Harrison .....	Jordan Canal.....	Irrig.	.43	21	33	55	Sioux.....	June	1	1895	556	.....
Sou Belly Creek..	Nutto, F.....	Harrison .....	Nutto Canal.....	Irrig.	.43	24	32	56	Sioux.....	Sept.	4	1897	.....	404
Sou Belly Creek..	Jordan, Sarah.....	Harrison .....	Jordan Canal.....	Irrig.	.50	21	33	55	Sioux.....	May	11	1896	.....	424
Sou Belly Creek..	Carroll, M. J.....	Harrison .....	Carroll Canal.....	Irrig.	.14	7	32	55	Sioux.....	July	12	1899	.....	516
Sou Belly Creek..	Zimmerman, Irvin S.....	Harrison .....	Zimmerman Canal.....	Irrig.	.71	34	33	55	Sioux.....	Jan.	11	1900	.....	532
Sou Belly Creek..	Jordan, S.....	Harrison .....	Jordan Canal.....	Irrig.	.14	21	33	55	Sioux.....	May	26	1902	.....	668
Sou Belly Creek..	Barnes, Paul T.....	Harrison .....	Barnes Res.....	Stor.	†390 A. F.	19	32	55	Sioux.....	Mar.	24	1913	.....	1268
Sou Belly Creek..	O'Connell, M. J.....	Montrose .....	O'Connell Canal.....	Irrig.	10.00	9	33	55	Sioux.....	May	5	1913	.....	1288
Spring Cr., Trib. to Sou Belly .....	Hall, W. S. & F. M.....	Harrison .....	Hall Spring Canal.....	Irrig.	.57	6	32	55	Sioux.....	Mar.	26	1889	550	.....
Spring Cr., Trib. to Sou Belly .....	Schaefer, N. J.....	Harrison .....	Spring Creek Canal.....	Irrig.	.29	7	32	55	Sioux.....	June	1	1893	532	.....
Spring Creek.....	Hall, F. M.....	Harrison .....	Crystal Lake.....	Stor.	†80 A. F.	6	32	56	Sioux.....	Aug.	22	1927	.....	1954
Sp. Cr., Trib. to So. Warbonnet..	Biehle, Chas.....	Harrison .....	Biehle Canal.....	Irrig.	.23	32	33	56	Sioux.....	Apr.	1	1891	538	.....
Sp. Cr., Trib. to So. Warbonnet..	Anderson, John A.....	Harrison .....	Garton Canal.....	Irrig.	1.43	31	33	56	Sioux.....	Oct.	16	1893	503	.....
Sp. Cr., Trib. to So. Warbonnet..	Anderson, John A.....	Harrison .....	Kay Canal.....	Irrig.	.14	26	33	57	Sioux.....	May	1	1887	958	.....
Sp. Cr., Trib. to Warbonnet Cr..	Priddy, Edouard.....	Harrison .....	Nolan Canal No. 1.....	Irrig.	.01	23	33	57	Sioux.....	Mar.	15	1887	967	.....

† Acre feet per annum.

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Warbonnet Cr...	Priddy, Edouard.....	Harrison .....	Nolan Canal No. 2.....	Irrig.	.29	23	33	57	Sioux.....	May	1	1888	959	.....
Squaw Creek.....	Dunn, Thos.....	Harrison .....	Dunn Canal.....	Irrig.	.36	15	33	57	Sioux.....	June	1	1890	552	.....
Squaw Creek.....	Thomas, Sam.....	Harrison .....	Hamlin Canal.....	Irrig.	.01	10	33	57	Sioux.....	Apr.	1	1891	555	.....
Squaw Creek.....	Dunn, Thos.....	Harrison .....	Dunn Res. Canal.....	Irrig.	.57	10	33	57	Sioux.....	Aug.	5	1895	.....	100
Squaw Creek.....	Dunn, Thos.....	Harrison .....	Dunn Canal.....	Irrig.	.19	3	33	57	Sioux.....	Jan.	22	1897	.....	376
Squaw Creek.....	Thomas, S. M.....	Harrison .....	Thomas Canal.....	Irrig.	.50	10	33	57	Sioux.....	July	23	1901	.....	627
	Shepherd Cattle Co.....	Harrison .....	Shepherd Canal.....	Irrig.	3.01	36	34	57	Sioux.....	Oct.	24	1927	.....	1965
Stream, Trib. to Jim Creek.....	Coffee, S. D.....	Harrison .....	Homestead Canal.....	Irrig.	.22	22	33	54	Sioux.....	May	31	1890	984	.....
Warbonnet Cr.....	Anderson, John A.....	Harrison .....	Warbonnet Canal.....	Irrig.	3.63	21	33	56	Sioux.....	July	31	1880	548	.....
Warbonnet Cr.....	Anderson, John A.....	Harrison .....	Warbonnet Canal No. 2.....	Irrig.	1.43	20	33	56	Sioux.....	Mar.	11	1908	.....	892
N. Br. of S. Br.	Anderson, John A.....	Harrison .....	Daut Canal.....	Irrig.	.71	30	33	56	Sioux.....	May	31	1889	539a	.....
Warbonnet Cr.....	Anderson, John A.....	Harrison .....	Daut Canal.....	Irrig.	.29	30	33	56	Sioux.....	Dec.	31	1891	539b	.....
Warbonnet Cr.....	Zerbst, Carl F.....	Harrison .....	Zerbst Canal No. 1.....	Irrig.	.03	26	33	57	Sioux.....	Mar.	6	1915	.....	1405
Branch	Zerbst, Carl F.....	Harrison .....	Zerbst Canal No. 2.....	Irrig.	.17	25	33	57	Sioux.....	Mar.	6	1915	.....	1404
Sp. Cr., Trib. to Whitehead Cr.....	Harrison, R.....	Orella .....	Harrison Canal.....	Irrig.	.06	13	33	54	Sioux.....	May	30	1888	547	.....

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

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Month			D
Bazile Creek.....	Packard, J. L.....	Creighton .....	Creighton Mill Race.....	Power		21	29	5	Knox.....			1002*	
Bazile Creek.....	Moss, O. H. and Buckler, Fred.....	Battle Creek....	Creighton Mills.....	Power	30.00	21	29	5	Knox.....	Sept.	24	1908	914
Jackson Chute.....	Crystal Lake Co.....	So. Sioux City	Crystal Lake Dam.....	Ice	15.00	26	29	8	Dakota.....	Apr.	12	1923	1714
Mud Creek.....	Horan, T. W.....	Fort Crook.....	Horan Canal.....	Irrig.	.37	34	14	13	Sarpy.....	Aug.	12	1909	958



APPLICATIONS APPROVED FROM NOVEMBER 30, 1926 TO NOVEMBER 30, 1928

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Month	D		
Squaw Creek..... (Res. A. 1132)	McDowell, E. C.....	Crawford .....	Squaw Creek Canal.....	Irrig.	2.96	12	31	52	Dawes.....	June	4-1922	.....	1631
Skull Creek.....	Calamus Irrigation Dist.	Harrop .....	Skull Creek Canal.....	Irrig.		31	25	20	Rock.....	May	25-1926	.....	1812
Bloody Creek.....	Calamus Irrigation Dist.	Harrop .....	Bloody Creek Canal.....	Irrig.		32	25	19	Rock.....	May	25-1926	.....	1813
Calamus River.....	Calamus Irrigation Dist.	Harrop .....	Calamus Res.....	Stor.		5	24	20	Rock.....	June	8-1926	.....	1816
Victoria Creek.....	Meyers, Perry A.....	Anselmo .....	Meyer Canal.....	Irrig.	1.51	1	19	21	Custer.....	Aug.	5-1926	.....	1843
Victoria Creek.....	Victoria Ditch Assn.....	Broken Bow...	Victoria Canal No. 2.....	Irrig.		1	19	21	Custer.....	Aug.	12-1926	.....	1845
Platte River.....	Thirty Mile Canal Co.....	Gothenburg...	Thirty Mile Canal.....	Irrig.	275.06	30	12	26	Dawson.....	Sept.	7-1926	.....	1853
South Platte R....	Junge, M. F.....	Big Springs...	Junge Canal.....	Irrig.	1.07	31	13	41	Keith.....	Sept.	11-1926	.....	1857
Middle Loup Riv.	Carter, T. H.....	Hebron .....	Loup River Power Co. Plant .....	Power	600.00	35	18	17	Custer.....	Sept.	23-1926	.....	1862
Republican River..	Worden, Dorsey.....	Superior .....	Worden Canal.....	Irrig.	1.04	1	6	32	Nuckolls.....	Sept.	15-1926	.....	1868
Frenchman River	Krotter, F. C.....	Palisade .....	Palisade Plant.....	Power	100.00	25	5	35	Hayes.....	Nov.	19-1926	.....	1872
Frenchman River	Krotter, F. C.....	Palisade .....	Palisade Res.....	Stor.		22	5	35	Hayes.....	Nov.	19-1926	.....	1873
So. Platte River...	Paxton Irrigation Dist.	Sutherland .....	Paxton Canal.....	Irrig.	70.19	1	13	38	Keith.....	Nov.	22-1926	.....	1874
White Horse Cr...	Evans, E. H.....	North Platte..	Evans Canal.....	Irrig.		22	14	30	Lincoln.....	Nov.	27-1926	.....	1875
Messenger Cr.....	Flustos, Frank J.....	Wayside .....	Mumford Canal.....	Irrig.		2	34	51	Dawes.....	Dec.	2-1926	.....	1877
Little Blue River..	Coxbill, James..... Care Enos Vap-Owner	Deweese .....	Vap Pump.....	Irrig.	.81	31	5	7	Clay.....	Dec.	8-1926	.....	1878
Muddy Creek.....	Wilson, Otis N.....	Litchfield .....	Wilson Pump.....	Irrig.	.51	14	14	17	Custer.....	Dec.	10-1926	.....	1879
Muddy Creek.....	Van Sant, J. A.....	Broken Bow...	Van Sant Pump.....	Irrig.	.27	33	17	20	Custer.....	Dec.	13-1926	.....	1880
Niobrara River...	Person, A. W.....	Fairmont .....	Eagle Creek Pow. Plt....	Power	440.00	5	32	10	Boyd.....	Dec.	22-1926	.....	1881
Wood River.....	Nickel, Emil H.....	Kearney .....	Nickel Pump.....	Irrig.		12	9	16	Buffalo.....	Jan.	5-1927	.....	1882
Calamus River.....	Calamus Irr. Dist.....	Harrop .....	North Canal.....	Irrig.	4.86	5	24	20	Rock.....	Jan.	12-1927	.....	1883
			South Canal.....										

APPLICATIONS APPROVED FROM NOVEMBER 30, 1926, TO NOVEMBER 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Useto which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D Yr.	
Muddy Creek.....	Sorensen, U.....	Berwyn .....	Sorensen Pump.....	Irrig.	1.00	21	16	19	Custer.....	Jan.	14	1927	.....	1884
Republican River	Workman, Rich.....	Republican City .....	Workman Pump.....	Irrig.	1.10	16	1	17	Harlan.....	Jan.	19	1927	.....	1886
Bear Creek.....	Mangus, Jerry T.....	Beatrice .....	Mangus Pump.....	Irrig.	.50	24	4	6	Gage.....	Jan.	24	1927	.....	1887
Bear Creek.....	Andreas, W. C.....	Beatrice .....	Andreas Pump.....	Irrig.			1	3	E Gage.....	Jan.	26	1927	.....	1888
Bear Creek.....	Whittemore, Susan M....	Beatrice .....	Whittemore Pump.....	Irrig.		23	4	6	E Gage.....	Jan.	28	1927	.....	1889
Red Willow Creek	Hadley, Flora B.....	McCook .....	Hadley Canal.....	Irrig.		16	3	28	Red Willow.	Jan.	29	1927	.....	1890
Pawnee Creek.....	Hall, S. M.....	Maywood .....	Hall Canal.....	Irrig.		3	12	27	Lincoln.....	Jan.	31	1927	.....	1891
Clear Creek.....	Sherbeck, Albert I.....	Westerville .....	Sherbeck Pump.....	Irrig.	4.13	4	16	17	Custer.....	Feb.	7	1927	.....	1894
Lillian Cr.....	Davis, Frank J.....	Broken Bow....	Davis Canal.....	Irrig.	4.90	1	19	20	Custer.....	Feb.	7	1927	.....	1895
Muddy Creek.....	Willoughy Pump.....	Mason City....	Willoughy Pump.....	Irrig.	1.10	34	15	17	Custer.....	Feb.	8	1927	.....	1896
Muddy Creek.....	Larson, Oscar F.....	Arapahoe .....	Larson Pump.....	Irrig.	3.53	17	4	23	Furnas.....	Feb.	9	1927	.....	1898
N. Blue River.....	Nelson, Louie E.....	Inland .....	Nelson Pump.....	Irrig.	.48	27	8	8	Clay.....	Feb.	11	1927	.....	1899
Spring Branch.....	Walter, Jacob J.....	Gibbon .....	Walter Pump.....	Irrig.	1.14	31	9	13	Buffalo.....	Feb.	17	1927	.....	1900
S. Platte River...	Martin, Lewis.....	Ogalalla .....	Martin Pump.....	Irrig.		6	13	38	Keith.....	Feb.	21	1927	.....	1901
Lillian Creek.....	Lomax, Lyle.....	Broken Bow....	Lomax Pump.....	Irrig.		12	19	20	Custer.....	Feb.	21	1927	.....	1902
Little Blue River	Gaudreault, I. S.....	Hastings .....	Gaudreault Pump.....	Irrig.	.39	26	6	10	Adams.....	Feb.	22	1927	.....	1903
Little Blue River	Pratt, H. G.....	Hastings .....	Pratt Pump.....	Irrig.	1.01	28	6	10	Adams.....	Feb.	23	1927	.....	1904
Clear Creek.....	Dean, Paul H.....	Ansley .....	Dean Pump.....	Irrig.		36	16	17	Custer.....	Feb.	28	1927	.....	1905
Republican River	Sheffrey, C. E.....	Oxford .....	Sheffrey Pump.....	Irrig.	1.85	16	3	20	Harlan.....	Feb.	28	1927	.....	1906
Little Blue River	Logan, John S.....	Fairfield .....	Logan Canal.....	Irrig.	1.88	33	5	7	Clay.....	Mar.	7	1927	.....	1907
Little Blue River	Knopf, Clyde L.....	Pauline .....	Knopf Pump.....	Irrig.	1.60	25	6	10	.....	.....	.....	.....	.....	.....
Little Blue River	Graham, Harry.....	Ayr .....	Graham Pump.....	Irrig.	.80	13	5	11	Adams.....	Mar.	8	1927	.....	1908
Little Blue River	Graham, Harry.....	Ayr .....	Graham Pump.....	Irrig.	.80	13	5	11	Adams.....	Mar.	8	1927	.....	1909

APPLICATIONS APPROVED FROM NOVEMBER 30, 1926, TO NOVEMBER 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Month	D	Yr.		
Ash Creek.....	Tierney, John F.....	Broken Bow...	Tierney Pump.....	Irrig.		7	14	20	Custer.....	Mar.	10	1927	.....	1910
N. Platte River...	Carter, E. C.....	Brunning .....	N. Platte Power Plant...	Power	220.00	18	20	51	Morrill.....	Mar.	15	1927	.....	1911
N. Platte River...	North Platte Water Dep.	N. Platte.....	Water Supply.....	Steam	.25	29	14	30	Lincoln.....	Mar.	16	1927	.....	1912
Muddy Creek.....	Hagg, Henry.....	Berwin.....	Hagg Canal.....	Irrig.		35	16	19	Custer.....	Mar.	16	1927	.....	1913
Republican River	Wintersteen, B. L.....	Republican City .....	Wintersteen Canal.....	Irrig.	.11	12	1	17	Harlan.....	Mar.	17	1927	.....	1914
Muddy Creek.....	Bronson, G. N.....	Litchfield.....	Bronson Canal.....	Irrig.		2	14	17	Custer.....	Mar.	25	1927	.....	1915
Big Blue River.....	Fall, C. P.....	Beatrice .....	Hoag Plant.....	Power		13	4	5	Gage.....	Mar.	25	1927	.....	1916
Wood River.....	Edwards, W. H.....	Amherst .....	Edwards Canal.....	Irrig.		7	10	17	Buffalo.....	Mar.	26	1927	.....	1917
Spring Creek.....	Simms, Chas. A.....	Cozad .....	Simms Canal.....	O. D.		15	11	23	Dawson.....	Apr.	4	1927	.....	1919
(W. Buffalo Cr.)														
Beaver Creek.....	Yanda, Geo. J.....	Ravenna .....	Yanda Pump.....	Irrig.	.90	8	12	14	Buffalo.....	Apr.	4	1927	.....	1920
						9								
Bushy Creek.....	Young, Lee.....	Maywood .....	Young Pump.....	Irrig.	.20	33	8	29	Frontier.....	Apr.	5	1927	.....	1921
Sappa Creek.....	Fults, J. F.....	Beaver City.....	Fults Pump.....	Irrig.	1.48	13	1	23	Furnas.....	Apr.	6	1927	.....	1922
Beaver Creek.....	Newton, Thos. F.....	Beaver City.....	Newton Pump.....	Irrig.	.97	10	2	21	Furnas.....	Apr.	11	1927	.....	1923
Spring Creek.....	Gardner, H. C.....	Cozad .....	Gardner Pump.....	Irrig.	1.00	30	12	23	Dawson.....	Apr.	11	1927	.....	1924
(Buffalo Cr.)														
N. Fork River.....	Norfolk Packing Co.....	Norfolk .....	Norfolk Packing Pump...	Irrig.		15	24	1	Madison.....	Apr.	15	1927	.....	1926
Curtis Creek.....	Nelson, D. O. & H. L.....	Curtis .....	Nelson Pump.....	Irrig.	.27	36	8	28	Frontier.....	Apr.	19	1927	.....	1927
Clyde Creek.....	Wallace, G. M.....	Orleans .....	Wallace Pump.....	Irrig.		21	2	19	Harlan.....	May	10	1927	.....	1929
S. Platte River...	Olson, O. O.....	Gibbon .....	Olson Pump.....	Irrig.		12	8	14	Kearney.....	May	25	1927	.....	1932
Turkey Creek.....	Post, Walter A.....	Naponee .....	Post Pump.....	Irrig.	1.90	8	1	16	Furnas.....	May	27	1927	.....	1933
Turkey Creek.....	Johnson, Mathew H.....	Oxford .....	Johnson Pump.....	Irrig.	1.18	5	3	21	Furnas.....	May	30	1927	.....	1934
Republican River...	Kellog, F. S.....	Oxford .....	Kellog Pump.....	Irrig.		17	3	20	Harlan.....	June	1	1927	.....	1935
Republican River...	Best, John H.....	Oxford .....	Best Pump.....	Irrig.	1.33	27	3	20	Harlan.....	June	30	1927	.....	1936

DEPARTMENT OF PUBLIC WORKS

APPLICATIONS APPROVED FROM NOVEMBER 30, 1926, TO NOVEMBER 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Month	D	Yr.		
Republican River..	Wilson, J. F. Jr.....	Guide Rock.....	Wilson Pump.....	Irrig.	.57	14	1	9	Webster.....	July	8	1927	.....	1937
Turkey Creek.....	Wengert, J. H.....	Oxford.....	Wengert Pump.....	Irrig.	.94	4	3	21	Harlan.....	July	9	1927	.....	1938
Niobrara River.....	Northern Nebr. Pow. Co.	Spencer.....	Eagle Creek Power Plant	Power	880.00	6	32	10	Boyd.....	July	15	1927	.....	1939
Pumpkinseed Cr...	Palmer, Jesse P.....	Omaha.....	Palmer Canal.....	Irrig.		25	19	53	Banner.....	July	18	1927	.....	1941
Platte River.....	Van Nortwick, Wesley...	Cozad.....	Van Nortwick Pump.....	Irrig.	2.36	15	10	24	Dawson.....	July	18	1927	.....	1942
Middle Loup Riv..	Knapp, Harry R.....	Broken Bow.....	Knapp Pump.....	Irrig.	5.49	32	15	14	Sherman.....	July	18	1927	.....	1943
Buffalo Creek.....	Stryker, Abram R.....	Overton.....	Stryker Pump.....	Irrig.	1.62	18	9	19	Dawson.....	July	19	1927	.....	1944
Victoria Creek.....	McGraw, Chas.....	Anselmo.....	McGraw Canal.....	Irrig.	2.95	6	19	20	Custer.....	July	23	1927	.....	1945
Buffalo Creek.....	Philpot, W. J.....	Overton.....	Philpot Pump.....	Irrig.	3.33	28	9	19	Dawson.....	July	26	1927	.....	1946
W. Fork Big Blue	Village of Beaver Cross- sing.....	Beaver Cross- sing.....	Beaver Crossing Power Plant.....	Power	125.00	2	9	18	Seward.....	Aug.	1	1927	.....	1947
Craig Creek.....	Hoylman, M. B.....	Naponee.....	Hoylman Canal.....	Irrig.	1.69	14	1	17	Harlan.....	Aug.	1	1927	.....	1948
S. Loup River.....	Perkins, Glen O.....	Arnold.....	Perkins Canal.....	Irrig.		25	17	25	.....	Aug.	1	1927	.....	1949
Clear Creek.....	Gilmore, E. L. C.....	Ashland.....	Gilmore Canal.....	Irrig.	.86	35	13	9	Saunders.....	Aug.	10	1927	.....	1950
Indian Creek.....	Norman, Elmer D.....	Whitney.....	Norman Ext.....	Irrig.	.28	16	32	50	Dawes.....	Aug.	18	1927	.....	1952
East Ash Cr. & Indian Creek.....	Norman, Harry.....	Whitney.....	Norman Res.....	Stor.	776 AF	7	32	50	Dawes.....	Aug.	22	1927	.....	1953
Spring Creek.....	Hall, F. M.....	Harrison.....	Crystal Lake.....	Stor.	80 AF	6	32	55	Sioux.....	Aug.	22	1927	.....	1954
Niobrara River...	Northern Nebr. Pow. Co.	Spencer.....	Northern Nebr. Power Plant.....	R. Dam	A. 1725	30	33	11	Boyd.....	Aug.	29	1927	.....	1955
Lillian Creek.....	Myers, W. F.....	Anselmo.....	Myers Canal.....	Irrig.	.11	15	19	20	Custer.....	Aug.	30	1927	.....	1956

APPLICATIONS APPROVED FROM NOVEMBER 30, 1926, TO NOVEMBER 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.			
						S	T	R	County	Month			D Yr.		
Platte River.....	Frost, Matts.....	Overton.....	Frost Canal.....	Irrig.	1.43	16	9	20	Dawson.....	Sept.	3	1927	.....	1957	
Platte River.....	Priel, W. M.....	Overton.....	Priel Canal.....	Irrig.	2.27	22	9	20	Dawson.....	Sept.	3	1927	.....	1958	
Buffalo Creek.....	Bowden, C. A.....	Overton.....	Bowden Pump.....	Irrig.	1.65	12	9	20	Dawson.....	Oct.	10	1927	.....	1959	
Clear Creek.....	Dean, Paul H.....	Ansley.....	Sutton Pump.....	Irrig.	2.43	36	16	17	Custer.....	Oct.	18	1927	.....	1962	
Little Blue River	City of Fairbury.....	Fairbury.....	Fairbury Steam Con- denser.....	Mfg.	16.70	15	2	2E	Jefferson.....	Oct.	22	1927	.....	1963	
Red Willow Cr....	Hadley, Flora B.....	McCook.....	Hadley Canal.....	Irrig.	8.43	16	3	2S	Red Willow.....	Oct.	23	1927	.....	1964	
Squaw Creek.....	Shepherd Cattle Co.....	Harrison.....	Shepherd Canal.....	Irrig.	3.01	36	34	57	Sioux.....	Oct.	24	1927	.....	1965	
Gieke Creek.....	Gieke, August.....	Harrison.....	Gieke Canal.....	Irrig.	.43	19	33	56	Sioux.....	Nov.	4	1927	.....	1967	
N. Platte River..	Goodall & Scott.....	Ogallala.....	Goodall & Scott Power Plant.....	Power	200.00	20	15	39	Keith.....	Nov.	17	1927	.....	1968	
Spring Creek.....	Siebenaler, Matt.....	Elmreek.....	Siebenaler Pump.....	Irrig.	2.31	6	8	19	Dawson.....	Nov.	22	1927	.....	1969	
Rock Canon Cr....	Rudisell, L. C.....	Benkleman.....	Rudisell Lake.....	Stor.	10	AF	35	3	37	Dundy.....	Nov.	26	1927	.....	1970
W. Blue Creek.....	Warren, Herbert F.....	Trumbull.....	Warren Canal.....	Irrig.	.16	13	8	9	Adams.....	Nov.	26	1927	.....	1971	
Spring Creek.....	Wollam, Ottis.....	Stockville.....	Wollam Canal.....	Irrig.		33	7	27	Frontier.....	Dec.	5	1927	.....	1972	
Center Creek.....	Joy, C. G. et al.....	Franklin.....	Joy & Blank.....	Irrig.		1	1	15	Franklin.....	Dec.	10	1927	.....	1973	
Lodge Pole Creek	Peters Trust Co.....	Omaha.....	Bennett Res.....	Stor.	524	AF	22	15	55	Kimball.....	Jan.	13	1928	.....	1974
Lodge Pole Creek	Peters Trust Co.....	Omaha.....	Bennett Res. Ext. Canal	Irrig.	5.97	22	15	55	Kimball.....	Jan.	13	1928	.....	1975	
Platte River.....	Thirty Mile Canal Co.....	Gothenburg.....	30 Mile Canal.....	Irrig.	50.79	30	12	26	Lincoln.....	Dec.	13	1927	.....	1976	
Little Blue River	Hornberger, Thos.....	Ayr.....	Hornberger Pump.....	Irrig.	2.19	14	5	11	Adams.....	Jan.	24	1928	.....	1978	
Frenchman River	Krotter, F. C.....	Palisade.....	Krotter-Imperial Res.....	Stor.	23,000	3	5	3S	Chase.....	Feb.	10	1928	.....	1979	
Frenchman River	Krotter, F. C.....	Palisade.....	Krotter-Imperial Power Plant.....	Power	A. F.	50.00	3	5	3S	Chase.....	Feb.	10	1928	.....	1980

APPLICATIONS APPROVED FROM NOVEMBER 30, 1926, TO NOVEMBER 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority		Doc. No.	App. No.
						S	T	R	County	Month	D Yr.		
Medicine Creek.....	Sawyer, Geo. F.....	Western .....	Sawyer Pump.....	Irrig.	2-								
					11	5	26	Frontier.....	Feb.	10	1928		1981
Beaver Creek.....	Versaw, Paul E.....	Beaver City..	Sunnyside Canal No. 1...	Irrig.	1.22	22	2	23 Furnas.....	Feb.	11	1928		1982
Republican River	Runck, John J.....	Republican City .....	Runck Plant No. 2.....	Irrig.		22	3	20 Harlan.....	Feb.	16	1928		1983
Deep Creek.....	Runck, John J.....	Republican City .....	Runck Plant No. 1.....	Irrig.		22	3	20 Harlan.....	Feb.	16	1928		1984
Buffalo Creek.....	Lloyd, Bell F.....	Elm Creek.....	Lloyd Pump.....	Irrig.	2.16	36	9	19 Dawson.....	Feb.	20	1928		1985
Elkhorn River.....	Iowa-Nebr. L. & P. Co..	Lincoln.....	Cooling System.....	Mfg.	35.00	22	24	1 Madison.....	Feb.	21	1928		1986
N. Fork								W					
Wood River.....	Oliver, Henry E. Jr.....	Shelton .....	Oliver Pump.....	Irrig.	.56	9	9	13 Buffalo.....	Feb.	29	1928		1987
Buffalo Creek.....	Potts, Chas. S.....	Elm Creek.....	Potts Pump.....	Irrig.	4.14	4	8	18 Buffalo.....	Mar.	5	1928		1988
Macklin Cr., trib. to Republican R.	Bradley, Francis E.....	Trenton .....	Macklin Pump.....	Irrig.	.36	1	2	34 Hitchcock...	Mar.	7	1928		1989
Spring Creek..... (Buffalo Cr.)	Beatty, R. C.....	Lexington .....	Beatty Canal.....	Irrig.		18	9	20 Dawson.....	Mar.	17	1928		1990
N. Platte River... Macklin Cr., trib. to Republican R.	Maddox, P. P. et al.....	No. Platte.....	Pawnee Canal.....	Irrig.		35	14	30 Lincoln.....	Mar.	23	1928		1991
S. Loup River.....	Thuman, A.....	Trenton .....	Cemer Pump.....	Irrig.		36	3	34 Hitchcock...	Mar.	28	1928		1992
Saxon Draw..... (Res. A. 1639)	Perkins, Glen O.....	Arnold.....	Perkins Canal.....	Irrig.	3.77	25	17	25 Custer.....	Mar.	30	1928		1994
Wood River.....	Dodd, Clara A.....	Crawford .....	Harris Res. Canal.....	Irrig.	.74	32	33	52 Dawes.....	Mar.	31	1928		1996
Stream, No Name	Winchester, W. H.....	Gibbon .....	Winchester Pump.....	Irrig.		4	9	13 Buffalo.....	Mar.	31	1928		1997
	Sandford, D. J.....	Kilgore .....	Golden Willow Pump.....	Power	2.00	32	33	31 Cherry.....	Apr.	2	1928		1998

APPLICATIONS APPROVED FROM NOVEMBER 30, 1926, TO NOVEMBER 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Month	D	Yr.		
Jim Cr. & No. Jim Creek.....	Dout, Clarence.....	Harrison .....	Dout Res. No. 1.....	Stor.	60 AF	18	33	56	Sioux.....	Apr.	2	1928	.....	1999
Jim Creek..... Res. A. 1939)	Dout, Clarence.....	Harrison .....	Dout Canal No. 1.....	Irrig.		18	33	56	Sioux.....	Apr.	2	1928	.....	2000
Jim Creek.....	Dout, Clarence.....	Harrison .....	Dout Res. No. 2.....	Stor.	6 AF	7	33	56	Sioux.....	Apr.	2	1928	.....	2001
Lit. Red Cre., trib to Prairie Dog..	Zerbst, Sophia.....	Harrison .....	Zerbst Canal.....	Irrig.	.90	34	33	56	Sioux.....	Apr.	2	1928	.....	2003
Republican River	Romjue, Carl M.....	Red Cloud.....	Romjue Pump.....	Irrig.	2.03	12	1	10	Webster.....	Apr.	16	1928	.....	2005
Lodge Pole Creek	Peterson, Geo. H.....	Chappel .....	Peterson Canal.....	Irrig.		20	13	45	Deuel.....	Apr.	17	1928	.....	2006
Chadron Creek.....	State Park Board.....	Chadron .....	Chadron State P'k Lake	Dam	10 AF	31	32	48	Dawes.....	Apr.	17	1928	.....	2007
N. Platte River...	Gregory, A. F.....	Gering .....	Gering-Fort Laramie Canal .....	Irrig.		11	26	65	Wyoming....	Apr.	20	1928	.....	2008
Sappa Creek.....	McCoy, Dora E.....	Stanford .....	McCoy Pump.....	Irrig.		21	2	20	Harlan.....	Apr.	20	1928	.....	2009
Bear Creek.....	State Brd. of Control.....	Lincoln .....	Feeble-Minded Institution .....	Irrig.	.95	36	4	6E	Gage.....	Apr.	22	1928	.....	2010
Buffalo Creek.....	Fitzgerald, Elva J.....	Elm Creek.....	Jones Pump.....	Irrig.		5	8	18	Buffalo.....	Apr.	30	1928	.....	2012
Bell Cr., trib. to Republican Riv.	Bell, J. E.....	Superior .....	Valley Reservoir.....	Stor.	300 AF	29	1	6	Nuckolls.....	Apr.	30	1928	.....	2013
Frenchman River	Wauneta, L. & P. Co....	Wauneta .....	Wauneta Power Plant.....	R. Dam	D. 178 A. 1136	11	5	36	Chase.....	May	7	1928	.....	2015
N. Platte River...	Kampbell, Henry.....	Gering .....	Gering-Ft. Laramie Can.	Irrig.		11	26	65	Wyoming....	May	10	1928	.....	2016
Republican River	Jansen, Wm.....	Superior .....	Jansen Pump.....	Irrig.		20	1	7	Nuckolls.....	May	14	1928	.....	2017

APPLICATIONS APPROVED FROM NOVEMBER 30, 1926, TO NOVEMBER 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Wood River.....	Haug, James.....	Shelton .....	Haug Reservoir.....	Stor.	Ac. Ft.	9	9	13	Buffalo.....	May	14	1928	.....	2018
Wood River..... (Res. A. 2018)	Haug, James.....	Shelton .....	Haug Canal No. 3.....	Irrig.		9	9	13	Buffalo.....	May	14	1928	.....	2019
Dead Horse Creek.....	White, C. M.....	Chadron .....	Slattery Ext.....	Irrig.	55	32	33	49	Dawes.....	June	15	1928	.....	2021
N. Platte River.....	Carter, E. C.....	Brunning .....	North Platte Power Plt.	Power	300.00	18	20	51	Morrill.....	July	13	1928	.....	2022
E. Ash Creek.....	Corr, L. A.....	Whitney .....	Barron Canal.....	Irrig.	.89	32	32	50	Dawes.....	Aug.	15	1928	.....	2024
Center Creek.....	Joy, C. G. et al.....	Franklin .....	Blank & Joy.....	Irrig.		1	1	15	Franklin.....	Aug.	17	1928	.....	2025
Clear Creek.....	Lowry, Maurice T.....	Mason City.....	Lowry Pump.....	Irrig.		1	15	17	Custer.....	Aug.	22	1928	.....	2026
Buffalo Creek.....	Lindholm, Walter.....	Overton .....	Lindholm Pump.....	Irrig.		1	9	20	Dawson.....	Sept.	8	1928	.....	2028
Republican River.....	Runck, John J.....	Republican City .....	Runck Pump No. 1.....	Irrig.		27	3	20	Harlan.....	Sept.	18	1928	.....	2029
Deep Creek.....	Runck, John J.....	Republican City .....	Runck Pump No. 2.....	Irrig.		22	3	20	Harlan.....	Sept.	18	1928	.....	2030
Prairie Dog.....	Plunkett, Thomas.....	Harrison .....	Plunkett Res.....	Stor.	110 AF	25	33	56	Sioux.....	Sept.	18	1928	.....	2031
Beaver Creek.....	Braddock, Julia A.....	Chadron .....	Braddock Ext.....	Irrig.	.39	18	34	36	Sheridan.....	Sept.	19	1928	.....	2033
Beaver Creek.....	Braddock, Julia A.....	Chadron .....	Lockler Canal.....	Irrig.	.49	34	35	47	Dawes.....	Sept.	19	1928	.....	2034
Bordeaux Creek.....	O'Donnell, Pat.....	Chadron .....	O'Donnell Ext.....	Irrig.		9	34	48	Dawes.....	Sept.	22	1928	.....	2036
S. Loup River.....	Finch, W. M.....	Callaway .....	Finch Pump.....	Irrig.		9	16	24	Custer.....	Sept.	27	1928	.....	2037
Platte River.....	Danielson, Fred.....	Brady .....	Danielson Pump.....	Irrig.		20	12	27	Lincoln.....	Oct.	1	1928	.....	2038
Platte River.....	Berquist, J. T.....	Lexington .....	Dawson County Canal.....	Irrig.		18	10	23	Dawson.....	Oct.	3	1928	.....	2039
Clear Creek.....	Dean, Paul H.....	Ansley .....	Dean Pump.....	Irrig.		22	16	17	Custer.....	Oct.	9	1928	.....	2040
Lost Creek..... (Slough Cr.)	Dworak, Helen.....	Schuyler .....	Dworak Canal.....	Irrig.		28	17	3	Colfax.....	Oct.	12	1928	.....	2041



## APPLICATIONS APPROVED FROM NOVEMBER 30, 1926, TO NOVEMBER 30, 1928—Concluded

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Muddy Creek.....	Michel, Geo. M.....	Arapahoe .....	Michel Pump.....	Irrig.		15	4	23	Furnas.....	Oct.	13	1928	.....	2042
Wiggle Creek.....	Morrison, F. W.....	Callaway .....	Morrison Pump.....	Irrig.		3	15	23	Custer.....	Oct.	17	1928	.....	2045
White River.....	Hageman, Otto.....	Chadron .....	Hageman Canal.....	Irrig.		26	33	50	Dawes.....	Oct.	18	1928	.....	2046
W. Blue River.....	Show, Frank.....	McCool Junction .....	Show Pump.....	Irrig.		18	9	2	York.....	Oct.	19	1928	.....	2048

CLAIMS (DOCKETS) AND APPLICATIONS CANCELED FROM NOV. 30, 1926, TO NOV. 30, 1928

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate				Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Ash Creek.....	Tierney, John F.....	Broken Bow.....	Tierney Pump.....	Irrig.	7	14	20	Custer.....	Mar.	10	1927	.....	1910	
Ash Creek.....	Compton, W. L.....	Whitney.....	Compton Canal.....	Irrig.	.03	12	32	51 Dawes.....	July	15	1893	455	.....	
Ash Creek, W.....	Broadhurst, Nathan.....	Crawford.....	Broadhurst Reservoir.....	Stor.	5.00	35	32	51 Dawes.....	Nov.	17	1913	.....	1333	
Bear Creek.....	Andreas, W. C.....	Beatrice.....	Andreas Pump.....	Irrig.	1	3	6E	Gage.....	Jan.	26	1927	.....	1888	
Bear Creek.....	Whittemore, Susan M.....	Beatrice.....	Whittemore Pump.....	Irrig.	23	4	6E	Gage.....	Jan.	28	1927	.....	1889	
Big Blue River...	Gage County Elec. Co.....	Beatrice.....	Plant No. 2.....	Power	Rs. Dam	D. 1047	17	27E	Gage.....	Nov.	24	1923	.....	1730
Big Blue River...	Nebr. Gas & Elec. Co.....	Lincoln.....	Station No. 1.....	Power	Rs. Dam	A. 1006	19	9	4 Seward.....	Dec.	15	1924	.....	1755
Big Blue River...	Gage County Elec. Co.....	Beatrice.....	Plant No. 5.....	Power	300.00	13	4	5 Gage.....	Sept.	7	1926	.....	1852	
Big Blue River...	Fall, C. P.....	Beatrice.....	Hoag Plant.....	Power	13	4	5	Gage.....	Mar.	26	1927	.....	1916	
Big Blue River...	Village of Beaver Crossing	Beaver Crossing	Beaver Crossing Power Plant	Power	125.00	2	9	1E Seward.....	Aug.	1	1927	.....	1947	
Bordeaux Creek...	Naylor, Welcome W.....	Chadron.....	Richards Canal.....	Irrig.	.14	36	33	48 Dawes.....	Sept.	10	1890	430	.....	
Bordeaux Creek...	Bryant, S. A.....	Chadron.....	Bryant Canal.....	Irrig.	.20	15	33	48 Dawes.....	Feb.	4	1891	434	.....	
Bordeaux Creek...	Lecher, Peter.....	Chadron.....	Hall Canal.....	Irrig.	.07	15	33	48 Dawes.....	Mar.	1	1891	437	.....	
Bordeaux Creek...	Naylor, W. W.....	Chadron.....	Richards Canal.....	Irrig.	.36	36	33	48 Dawes.....	Sept.	7	1892	446	.....	
Bordeaux Creek...	Hebard, K. M.....	Chadron.....	Bacon Canal.....	Irrig.	.21	21	34	48 Dawes.....	July	1	1894	445	.....	
Bordeaux Creek...	Naylor, Chas.....	Chadron.....	Burns Canal.....	Irrig.	4.00	36	33	48 Dawes.....	Nov.	5	1900	.....	584	
Bordeaux Creek...	Martens, W.....	Chadron.....	Martens Canal.....	Irrig.	.57	28	34	48 Dawes.....	Sept.	22	1902	.....	690	
Bordeaux Creek...	Martens, W.....	Chadron.....	Martens Canal.....	Irrig.	1.14	21	34	48 Dawes.....	Jan.	14	1907	.....	848	
Bordeaux Creek...	Naylor, Welcome W.....	Chadron.....	Naylor Canal.....	Irrig.	.42	36	33	48 Dawes.....	July	22	1918	.....	1519	
Bordeaux Creek...	Good, Jas. W.....	Chadron.....	Good Canal.....	Irrig.	7.00	29	33	47 Dawes.....	Mar.	6	1905	.....	783	
Little														

CLAIMS (DOCKETS) AND APPLICATIONS CANCELED FROM NOV. 30, 1926, TO NOV. 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	Day			Yr.
Buffalo Creek.....	Jones, Rex. M. Est.....	Elm Creek.....	Jones Pump.....	Irrig.		5	8	18	Buffalo.....	Oct.	6	1926	.....	1866
Center Creek.....	Gregory, A. B. et al.....	Franklin.....	Gregory Canal.....	Irrig.	2.00	1	1	15	Franklin.....	Aug.	11	1894	1S2*	.....
Center Creek.....	Joy, C. G. et al.....	Franklin.....	Joy and Blank Canal.....	Irrig.		1	1	15	Franklin.....	Dec.	10	1927	.....	1973
Clay Spring Cr..	Cross, Fred.....	Harrisburg ..	Cross Canal.....	Irrig.		21	19	57	Banner.....	June	18	1926	.....	1820
Clear Creek.....	Dean, Paul H.....	Ansley .....	Dean Canal.....	Irrig.		36	16	17	Custer.....	Feb.	28	1927	.....	1905
Cottonwood, Rav- ine, trib. to.....	Carlson, A. A.....	Crawford .....	Carlson Canal.....	Irrig.	.71	21	33	52	Dawes.....	Sept.	20	1897	.....	409
Cottonwood, Little .....	Kusel, W. T.....	Chadron .....	Kusel Canal.....	Irrig.	1.14	9	32	51	Dawes.....	Oct.	16	1895	.....	183
Crooked Creek....	Gurney, Chas.....	Red Cloud.....	Gurney Canal.....	Irrig.		26	2	11	Webster.....	June	29	1926	.....	1825
Deadman Creek...	Phillips, W. S.....	Crawford .....	Stewart Canal.....	Irrig.	.21	19	30	52	Dawes.....	May	8	1896	.....	334
Deadman Creek...	Phillips, W. S.....	Crawford .....	Phillips Canal.....	Irrig.	.14	18	30	52	Dawes.....	Mar.	19	1900	.....	547
Deadman Creek...	Glendy, Thos. J.....	Crawford .....	Porter and Rasmusen Canal .....	Irrig.	1.43	1	30	53	Sioux.....	May	29	1900	.....	562
Deep Creek.....	McMasters, Wm. A.....	Glen .....	Green Canal.....	Irrig.	.20	9	30	53	Sioux.....	Oct.	5	1895	.....	203
Deep Creek.....	Runck, John J.....	Republican City .....	Runck Pump No. 1.....	Irrig.		22	3	20	Harlan.....	Feb.	16	1928	.....	1984
Flag Creek.....	Wallace, G. M.....	Orleans .....	Wallace Pump.....	Irrig.		22	2	19	Harlan.....	July	3	1926	.....	1827
Flag Creek.....	Wallace, G. M.....	Orleans .....	Wallace Pump.....	Irrig.		21	2	19	Harlan.....	May	10	1927	.....	1929

\* Canceled in part.

CLAIMS (DOCKETS) AND APPLICATIONS CANCELED FROM NOV. 30, 1926, TO NOV. 30, 1928—Continued

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Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
Frenchman R.....	Frenchman Valley Irrig. Dist. ....	Culbertson .....	Harvey Reservoir.....	Stor.	15000	3	5	38	Chase.....	June	8	1921	.....	1607
Frenchman R.....	Krotter, F. C.....	Palisade .....	Palisade Power Plant...	Power	90.00	30	5	34	Hayes.....	May	8	1926	.....	1807
Frenchman R.....	Krotter, F. C.....	Palisade .....	Palisade Plant.....	Power	100.00	22	5	35	Hayes.....	Nov.	19	1926	.....	1872
Frenchman R.....	Krotter, F. C.....	Palisade .....	Palisade Reservoir.....	Stor.	30000	22	5	35	Hayes.....	Nov.	19	1926	.....	1873
Indian Creek.....	Boyer, F.....	Whitney .....	Boyer Canal.....	Irrig.	.86	28	32	50	Dawes.....	Apr.	30	1900	.....	550
Kane Creek.....	McConnell, J. F.....	Whitney .....	McConnell Canal & Reservoir .....	Irrig.	4.29	29	34	50	Dawes.....	Jan.	14	1909	.....	931
Kyle Creek.....	Sturgeon, Ralph.....	Crawford .....	Kyle Creek Canal.....	Irrig.	.57	3	30	54	Sioux.....	June	30	1882	522	.....
Lillian Creek.....	Lomax, Lyle.....	Broken Bow....	Lomax Pump.....	Irrig.		12	19	20	Custer.....	Feb.	21	1927	.....	1902
Little Blue River..	Stewart, W. E.....	Spring Ranch	Blue Valley Power Plant	Power	240.00	17	5	8	Clay.....	July	21	1926	.....	1832
Little Blue River..	Knopf, Clyde L.....	Ayr .....	Knopf Pump.....	Irrig.		25	6	10	Adams.....	July	27	1926	.....	1836
Little Blue River..	Graham, Harry.....	Ayr .....	Graham Pump.....	Irrig.		13	5	11	Adams.....	Aug.	2	1926	.....	1840
Little Blue River..	Gaudreault, I. S.....	Ayr .....	Gaudreault Pump.....	Irrig.		26	6	10	Adams.....	Aug.	2	1926	.....	1841
Lone Tree Creek..	Sides, Frank.....	Whitney .....	Sides Reservoir.....	Stor.	3.00	13	34	52	Dawes.....	Nov.	25	1914	.....	1392
Lone Tree Creek.. S. Fork	Thomas, John C.....	Whitney .....	Thomas Canal.....	Irrig.	1.00	28	34	51	Dawes.....	Apr.	29	1905	.....	789
Madden Creek.....	Flannigan, T. F.....	Chadron .....	Dams .....	Irrig.	.57	26	35	49	Dawes.....	July	11	1904	.....	763
Madden Creek.....	Flannigan, O. R.....	Provo, S. D....	Frier Canal.....	Irrig.	1.21	6	34	48	Dawes.....	Aug.	1	1906	.....	830
Medicine Creek...	Sawyer, Geo. F.....	Western .....	Sawyer Pump.....	Irrig.		11	5	26	Frontier.....	Feb.	10	1928	.....	1981

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CLAIMS (DOCKETS) AND APPLICATIONS CANCELED FROM NOV. 30, 1926, TO NOV. 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D Yr.	
Messenger Creek..	Flustos, Frank J.....	Wayside .....	Mumford Canal.....	Irrig.		2	34	51	Dawes.....	Dec.	2	1926	.....	1877
Middle Loup Riv.	Kucera, C. A.....	Friend .....	Arcadia Plant.....	Power	176.00	35	18	17	Custer.....	Aug.	27	1926	.....	1850
Muddy Creek.....	Hogg, Henry.....	Berwyn .....	Hogg Canal.....	Irrig.		35	16	19	Custer.....	Mar.	16	1927	.....	1913
Muddy Creek.....	Bronson, G. M.....	Litchfield .....	Bronson Canal.....	Irrig.		2	14	17	Custer.....	Mar.	25	1927	.....	1915
Niobrara River..	Northern Nebr. Power Co. ....	Spencer .....	Lynch Hydroelec Plant...	Power	440.00	5	32	10	Boyd.....	June	8	1926	.....	1815
Niobrara River..	Person, A. W.....	Fairmont .....	Eagle Creek Power Plant	Power	440.00	5	32	10	Boyd.....	Dec.	22	1926	.....	1881
Stream, trib. to Niobar River...	Sanford, D. J.....	Kilgore .....	Golden Willow Plant.....	Power	2.00	32	33	31	Cherry.....	Apr.	2	1928	.....	1938
North Fork River	Norfolk Packing Co.....	Norfolk .....	Norfolk Packing Pump..	Irrig.		15	24	1	Madison.....	Apr.	15	1927	.....	1926
North Platte R....	Carter, E. C.....	Bruning .....	North Platte Power Plant .....	Power	220.00	15	20	51	Morrill.....	Mar.	15	1927	.....	1911
North Platte R....	Goodall & Scott.....	Ogalalla .....	Goodall & Scott Plant...	Power	200.00	20	15	39	Keith.....	Nov.	17	1927	.....	1968
North Platte R....	Maddox, P. P., et al.....	North Platte..	Pawnee Canal.....	Irrig.		35	14	30	Lincoln.....	Mar.	23	1928	.....	1991
North Platte R....	Gregory, A. F.....	Gering .....	Gering & Fort Laramie Canal .....	Irrig.		11	26	65	Wyoming....	Apr.	20	1928	.....	2008
North Platte R....	Kampbell, Henry.....	Gering .....	Gering & Fort Laramie Canal .....	Irrig.		11	26	65	Wyoming....	May	10	1928	.....	2016
Pawnee Creek.....	Hall, S. M.....	Maywood .....	Hall Canal.....	Irrig.		3	12	27	Lincoln.....	Jan.	31	1927	.....	1891
Platte River.....	Burns, Joseph.....	Lincoln .....	Buffalo County Canal.....	Irrig.		35	9	16	Buffalo.....	Apr.	12	1926	.....	1803
Platte River.....	Gass, Thos.....	Kearney .....	Buffalo County Canal.....	Irrig.		34	9	19	Dawson.....	Sept.	25	1926	.....	1863

CLAIMS (DOCKETS) AND APPLICATIONS CANCELED FROM NOV. 30, 1926, TO NOV. 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D Yr.	
Pumpkinseed Cr..	Palmer, Jess P.....	Omaha .....	Palmer Canal.....	Irrig.		25	19	53	Banner.....	July	18	1927	.....	1941
Red Willow Creek	Holland, L. J.....	Indianola .....	Holland Canal.....	Irrig.	35.00	17	3	28	Red Willow.	Jan.	23	1891	95	.....
Red Willow Creek	Helm, John F.....	McCook .....	Helm Canal.....	Irrig.	2.00	17	3	28	Red Willow.	Feb.	18	1895	111	.....
Red Willow Creek	Clark, A.-R.....	Indianola.....	Red Willow Valley Mound .....	Irrig.	14.39	31	4	28	Red Willow.	Feb.	27	1905	.....	781
Red Willow Creek	Helm, John F.....	McCook .....	Helm Canal.....	Irrig.	9.27	8	31	28	Red Willow.	Dec.	5	1910	.....	1042*
Red Willow Creek	Masters, Chas.....	Indianola .....	Masters Canal.....	Irrig.	1.14	6	3	28	Red Willow.	July	29	1912	.....	1212
Red Willow Creek	Egan, Wm.....	McCook .....	Helm Canal.....	Irrig.		8	3	28	Red Willow.	Aug.	13	1926	.....	1846
Red Willow Creek	Hadley, Flora B.....	McCook .....	Hadley Canal.....	Irrig.		16	3	28	Red Willow.	Jan.	29	1927	.....	1890
Republican River..	Sheffrey, C. E.....	Oxford .....	Sheffrey Pump.....	Irrig.		16	3	20	Harlan.....	July	26	1926	.....	1835
Republican River..	Romjue, W. A.....	Ayr .....	Romjue Pump.....	Irrig.		12	1	11	Webster.....	Aug.	9	1926	.....	1844
Republican River..	Kellogg, F. S.....	Oxford .....	Kellog Pump.....	Irrig.		17	3	20	Harlan.....	June	1	1927	.....	1935
Republican River..	Runck, John J.....	Republican City .....	Runck Pump No. 2.....	Irrig.		22	3	20	Harlan.....	Feb.	16	1928	.....	1983
Rush Creek.....	Braddock, H. T.....	Chadron .....	Rush Creek Canal.....	Irrig.	1.57	11	34	49	Dawes.....	May	31	1906	.....	825
Sand Creek.....	Jordan, M. D.....	Orella .....	Jordan .....	Irrig.	.50	31	33	53	Sioux.....	Apr.	2	1900	.....	551
Sand Creek.....	Carlson & Rasmussen.....	Crawford .....	Carlson & Rasmussen Sand Creek Canal.....	Irrig.	30.00	32	33	52	Dawes.....	Apr.	12	1904	.....	767
Sand Creek.....	Rasmussen, K.....	Whitney .....	Kirstine-Rasmussen Canal .....	Irrig.	17.00	31	32	52	Dawes.....	Jan.	8	1906	.....	811
Sand Creek.....	Dunn, John T.....	Crawford .....	Syndicate Canal.....	Irrig.	27.42	32	33	52	Dawes.....	Apr.	2	1912	.....	1190

\* Canceled in part.

CLAIMS (DOCKETS) AND APPLICATIONS CANCELED FROM NOV. 30, 1926, TO NOV. 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Sappa Creek.....	Fults, J. F.....	Beaver City.....	Fults Pump.....	Irrig.		13	1	23	Furnas.....	July	22	1926	.....	1833
Sappa Creek.....	Lindholm, C. O.....	Stamford .....	Lindholm Pump.....	Irrig.		6	1	21	Furnas.....	Aug.	2	1926	.....	1839
Sappa Creek.....	McCoy, Dora E.....	Stamford .....	McCoy Pump.....	Irrig.		1	2	20	Harlan.....	Apr.	20	1928	.....	2009
Saw Log E.....	Stephenson Chas.....	Crawford .....	Stephenson Canal.....	Irrig.	.81	25	31	52	Dawes.....	Mar.	5	1907	.....	852*
Saw Log E.....	Baker, A. D.....	Crawford .....	Baker Canal.....	Irrig.	.25	5	30	51	Dawes.....	Jan.	10	1908	.....	884*
South Loup River	Payne, J. E.....	Arnold .....	Brittan Elec. Co.....	Power	131.00	25	17	25	Custer.....	July	19	1916	.....	1460
South Loup River	Perkins, Glen O.....	Arnold .....	Perkins Canal.....	Irrig.		25	17	25	Custer.....	Aug.	1	1927	.....	1949
South Platte R.....	Martin, Louis.....	Ogalalla .....	Martin Pump.....	Irrig.		6	13	38	Keith.....	Feb.	21	1927	.....	1901
South Platte R.....	Olson, O. O.....	Gibbon .....	Olson Pump.....	Irrig.		12	8	14	Kearney.....	May	25	1927	.....	1932
Spring Creek.....	Swinbank, Samuel.....	Crawford .....	Swinbank Reservoirs.....	Stor.	2.00	13	32	52	Dawes.....	Mar.	3	1914	.....	1358
Spring Creek.....	Christensen, Niels.....	Cozad .....	Christensen Canal.....	Irrig.		28	11	22	Dawson.....	Aug.	30	1926	.....	1851
Spring Creek.....	Sims, Chas. A.....	Cozad .....	Sims Canal.....	Irrig.		15	11	23	Dawson.....	Apr.	4	1927	.....	1919
Spring Creek.....	Wollam, Otis.....	Stockville .....	Wollam Canal.....	Irrig.		33	7	27	Frontier.....	Dec.	2	1927	.....	1972
Spring Creek.....	Beatty, R. C.....	Lexington .....	Beatty Canal.....	Irrig.		18	9	20	Dawson.....	Mar.	17	1928	.....	1990
Stinking Water Creek .....	Krotter, F. C.....	Palisade .....	Krotter Reservoir.....	Stor.	100 AF	15	5	34	Hayes.....	Apr.	5	1926	.....	1802
Victoria Creek.....	Laughran, T.....	Anselmo .....	Laughran Pump.....	Irrig.	3.69	3	19	21	Custer.....	Sept.	22	1894	217*	.....
White Clay Creek	Hazelton, Wm.....	Crawford .....	Hazelton Canal.....	Irrig.	1.14	13	31	52	Dawes.....	May	15	1894	475	.....
White Clay Creek	Brockway, Maggie.....	Red Oak, Ia.....	Brockway Canal.....	Irrig.	.71	36	31	52	Dawes.....	Feb.	27	1896	.....	256
White Clay Creek	Brooks, J. N.....	Rushville .....	Brooks Canal.....	Irrig.	.42	36	35	45	Sheridan.....	Aug.	2	1911	.....	1120

\* Canceled in part.

CLAIMS (DOCKETS) AND APPLICATIONS CANCELED FROM NOV. 30, 1926, TO NOV. 30, 1928—Continued

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Month			D	Yr.
Willow Creek.....	Hunt, Joe E.....	Crawford .....	Rinicker Canal.....	Irrig.	.24	11	31	52	Dawes.....	June	8	1901	.....	618*
White River.....	Jacobsen, M.....	Glen .....	Jacobsen Canal.....	Irrig.	.14	32	31	53	Sioux.....	Oct.	1	1882	561	.....
White River.....	Diedrickson, N.....	Glen .....	Diedrickson Canal.....	Irrig.	.21	1	30	54	Sioux.....	Sept.	1	1890	562	.....
White River.....	Welling, Chas. and McDowell, Earl.....	Crawford .....	Welling Canal.....	Irrig.	.57	17	32	51	Dawes.....	July	13	1894	469	.....
White River.....	Carpenter & Co., E. J.....	Whitney .....	Carpenter Canal.....	Irrig.	2.86	1	32	51	Dawes.....	Dec.	2	1894	487	.....
White River.....	Hall Ditch Co.....	Crawford .....	Hall Ditch No. 1 & 2.....	Irrig.	13.80	34	32	52	Dawes.....	Jan.	10	1895	478C*	.....
White River.....	Blid, G. A.....	Whitney .....	Mecham Canal.....	Irrig.	2.86	17	32	51	Dawes.....	June	27	1895	.....	500
White River.....	Mason, Jas. F.....	Glen .....	Mason Canal.....	Irrig.	.14	32	31	53	Sioux.....	May	12	1896	.....	337
White River.....	Coffee, C. F.....	Chadron .....	Lewis Canal.....	Irrig.	.14	27	31	55	Sioux.....	May	19	1896	.....	340
White River.....	Schwabe, Lena.....	Chadron .....	Schwabe Canal.....	Irrig.	1.14	25	34	49	Dawes.....	June	24	1897	.....	394
White River.....	Grant, Cecil.....	Crawford .....	Wilkinson Canal.....	Irrig.	.71	24	32	52	Dawes.....	Nov.	18	1897	.....	421
White River.....	Zurn, Adam.....	Crawford .....	Zurn and Schmelz Canal.....	Irrig.	1.00	19	32	51	Dawes.....	Oct.	13	1898	.....	475
White River.....	Shaefer, Geo., et al.....	Whitney .....	Shaefer-Blust Canal.....	Irrig.	3.00	2	32	51	Dawes.....	Dec.	18	1899	.....	525
White River.....	Carlson, Jno.....	Whitney .....	Carlson Canal.....	Irrig.	1.43	6	32	50	Dawes.....	Nov.	26	1900	.....	588
White River.....	Hebbert, Minnie S. and Scott, DeForest.....	Chadron .....	Hebbert Canal.....	Irrig.	.79	34	33	50	Dawes.....	May	11	1903	.....	707
White River.....	Simons & Nance Irr. Co.....	Whitney .....	Simons & Harris Canal.....	Irrig.	1.00	16	32	51	Dawes.....	Oct.	26	1903	.....	730
White River.....	Peterson, Chas. R.....	Crawford .....	Ext. to Chas. Rasher Ditch.....	Irrig.	1.29	20	32	51	Dawes.....	Feb.	5	1904	.....	740
White River.....	Wright Bros.....	Whitney .....	Wright Canal.....	Irrig.	4.00	16	32	51	Dawes.....	Dec.	5	1904	.....	775
White River.....	Roby, I. M.....	Crawford .....	Roby Canal & Dam.....	Irrig.	.33	3	31	52	Dawes.....	Sept.	13	1906	.....	838
White River.....	Stephenson, Ira J.....	Crawford .....	Stephenson Power Plant.....	Power	15.00	34	31	53	Sioux.....	Mar.	15	1907	.....	854
White River.....	Jenson, J. L.....	Whitney .....	Jenson Canal.....	Irrig.	1.14	26	33	50	Dawes.....	June	27	1911	.....	1110

\* Canceled in part.



CLAIMS (DOCKETS) AND APPLICATIONS CANCELED FROM NOV. 30, 1926, TO NOV. 30, 1928—Concluded

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Month	D			Yr.
White River.....	Pinney, B. A. and Denslow, J. H.....	Crawford .....	Pinney & Denslow Res... Nos. 1-3	Stor.	403 A.F.	17	32	51	Dawes.....	Aug.	10	1911	.....	1122*
White River.....	Hebbert, Minnie L. et al	Chadron .....	Hebbert Canal.....	Irrig.	.71	34	33	50	Dawes.....	Mar.	10	1914	.....	1360
White Riv. Can- yon, trib. to.....	Martens, Wm.....	Chadron .....	Martens Canal.....	Irrig.	.29	14	34	48	Dawes.....	Dec.	26	1902	.....	696
White Riv. Can- yon, trib. to.....	Jones, Sarah M.....	Crawford .....	Jones Canal.....	Irrig.	.29	9	31	51	Dawes.....	May	20	1907	.....	860
Whitehead Creek..	DeBano, Wm.....	Montrose .....	DeBano Canal.....	Irrig.		14	34	54	Sioux.....	July	15	1926	.....	1829
White Horse Cr..	Evans, E. H.....	North Platte...	Evans Canal.....	Irrig.		22	14	30	Lincoln.....	Nov.	27	1926	.....	1875
Wood River.....	Shelton Mill & Grain Co.	Shelton .....		Power	40.00	1	9	13	Buffalo.....	Oct.	16	1873	994	.....
Wood River.....	Nickel, Emil H.....	Kearney .....	Nickel Pump.....	Irrig.		12	9	16	Buffalo.....	Jan.	5	1927	.....	1882
Wood River.....	Edwards, W. H.....	Amherst .....	Edwards Canal.....	Irrig.		7	10	17	Buffalo.....	Mar.	26	1927	.....	1917
Wood River.....	Winchester, W. H.....	Gibbon .....	Winchester Pump.....	Irrig.		4	9	13	Buffalo.....	Mar.	31	1928	.....	1997

\* Canceled in part.

APPLICATIONS DISMISSED FROM NOVEMBER 30, 1926, TO NOVEMBER 30, 1928

Source	Name of Claimant	Post Office	Carrier	Use to which appl'd	Sec. Feet gr'ted	Location of Headgate			Date of Priority			Doa. No.	App. No.
						S	T	R	County	Month	D		
Dead Horse Creek	White, Chas. M.....	Chadron .....	White Reservoir.....	Stor.	32	33	49	Dawes.....	Jan.	18	1928	.....	1977
Dismal River.....	Weston, W. S.....	Omaha.....	Dismal Ditch.....	Drain	21	34	Hooker.....	May	20	1926	.....	1810	
Moon Lake.....	Clapper, John D.....	Ainsworth .....	Moon Lake Marsh Drain	Drain	28	24	Brown.....	May	10	1927	.....	1928	
North Platte R.....	Hrasky, Anton.....	Mitchell .....	Hrasky Pump.....	Irrig.	29	23	56	Scotts Bluff	Oct.	11	1927	.....	1960
Red Willow Creek	Egan, Wm. M.....	McCook .....	Helm Canal.....	Irrig.	8	3	28	Red Willow.	May	2	1928	.....	2014
Sappa Creek.....	Davis, John E.....	Stanford .....	Davis Pump.....	Irrig.	25	2	21	Furnas.....	Aug.	4	1926	.....	1842
Turkey Creek.....	Fewell, James W.....	Edison .....	Fewell Pump.....	Irrig.	30	4	21	Furnas.....	July	16	1927	.....	1940
Victoria Creek.....	Gates, H. P.....	Gates .....	Gates Canal.....	Irrig.	6	19	20	Custer.....	Jan.	18	1927	.....	1885
Victoria Creek.....	Laughran, Jas.....	Anselmo .....	Laughran Canal.....	Irrig.	1	19	21	Custer.....	Feb.	4	1927	.....	1893
Wood River.....	Edwards, W. H.....	Amherst .....	Edward Pump.....	Irrig.	7	10	17	Buffalo.....	Feb.	9	1927	.....	1897

PERMITS ISSUED TO RELOCATE WATER DIVERSIONS NOVEMBER 30, 1926, TO NOVEMBER 30, 1928

Appropriation Number which has Carrying Right	Stream	Claimant	Post Office	Old Location			Old Carriers	New Location			New Carriers	Amt.	Appropriation Number which covers the land
				S	T	R		S	T	R			
A. 727	Lodgepole Creek.....	Walker, I. S.....	Kimball .....	N½	SW¼	31 15 56	Walker Canal	NE¼	SE¼	36 15 57			
D. 447	East Ash Creek.....	Tomlin Estate.....	Crawford .....	NE¼	NE¼	31 32 50	Tomlin Canal	SW¼	SW¼	29 32 50	New Ruttner Canal .....	.63 A. 869	
A. 1241	Dry Spotted Tail.....	Hrasky, Frank and Chas.....	Mitchell .....	NW¼	NW¼	16 23 56	Roberts Canal	SW¼	NW¼	16 23 56	Tomlin Canal..	1.39 D. 447	
A. 1619	So. Platte River.....	Beal, Orvill.....	Brule .....	NW¼	SW¼	21 13 40	Beal's Canal...	NE¼	SW¼	20 13 40	Roberts Canal	1.27 A. 1241	
A. 1620	So. Platte River.....	Beal, Orvill.....	Brule .....	NW¼	SW¼	21 13 40	Beal Canal.....	NE¼	SW¼	20 13 40	Beal Canal.....	17.50 A. 1619	
D. 622	Platte River.....	Beatty, H. T.....	Overton .....	NE¼	SE¼	13 9 22	Platte River Canal .....	SE¼	NW¼	18 10 23	Dawson Co. Canal .....	5.00 A. 1620	
D. 828	No. Platte River.....	Carter, E. C.....	Brunning .....	SE¼	SW¼	18 20 51	Belmont Canal .....	SE¼	NW¼	18 20 51	Belmont Canal .....	1.70 D. 624	
D. 338	Logepole Creek.....	Fuller, H. R.....	Sidney .....	SE¼	SE¼	20 14 50	Runge Canal No. 2.....	SE¼	NW¼	28 14 50	Runge Canal No. 2.....	200.00 1911	
D. 438	East Ash Creek.....	Stumph & Gorr...	Whitney .....	NW¼	SW¼	32 32 50	Barron Canal	SE¼	SW¼	32 32 50	Barron Canal	.50 D. 338	
A. 618	White Clay Creek...	Hunt, Joe E.....	Crawford .....	SW¼	SE¼	11 31 52	Rinicker Canal .....	NW¼	SE¼	11 31 52	Rinicker Canal .....	.70 D. 438	
D. 452	West Ash Creek.....	Ivins, Myrtle L...	Crawford .....	SE¼	NW¼	25 32 51	Woodward Canal .....	NW¼	SW¼	36 32 51	Wall Canal.....	.33 A. 618	
											.14 A. 434		

DEPARTMENT OF PUBLIC WORKS

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### THIRTY MILE CANAL

By C. G. Hrubesky, Superintendent

The Thirty Mile Canal leaves the south bank of the Platte River about two miles east of Brady Island and about ten miles west of Gothenburg. It flows southeast a distance of thirty three miles, the waste waters at the lower end of the canal returning to the river at a point some ten miles east of Cozad. The tract under irrigation varies in width from two to four miles. Fifteen thousand acres of land have a water appropriation and the canal was built sufficiently large to irrigate several thousand additional acres.

The first plan for irrigating this section of the Platte valley was started in 1896 when the Gothenburg South Side Irrigation Company's canal was built. This was operated spasmodically for several years and through financial difficulties the operation was discontinued. Interest in the canal was again manifest in 1923, when plans were made and bonds voted for the purpose of reconstructing the project. Through court proceedings it was found that the canal had been abandoned too long to re-establish its rights and this plan was dropped.

The idea lingered in the minds of several of the progressive farmers of this section. There was a great stream of water flowing down the Platte River for the greater part of the year that was absolutely going to waste. If this water could be diverted and used at times when available the sub-soil of this wonderful section could be moistened or filled by early and late applications of water which would practically insure crops in the drier years.

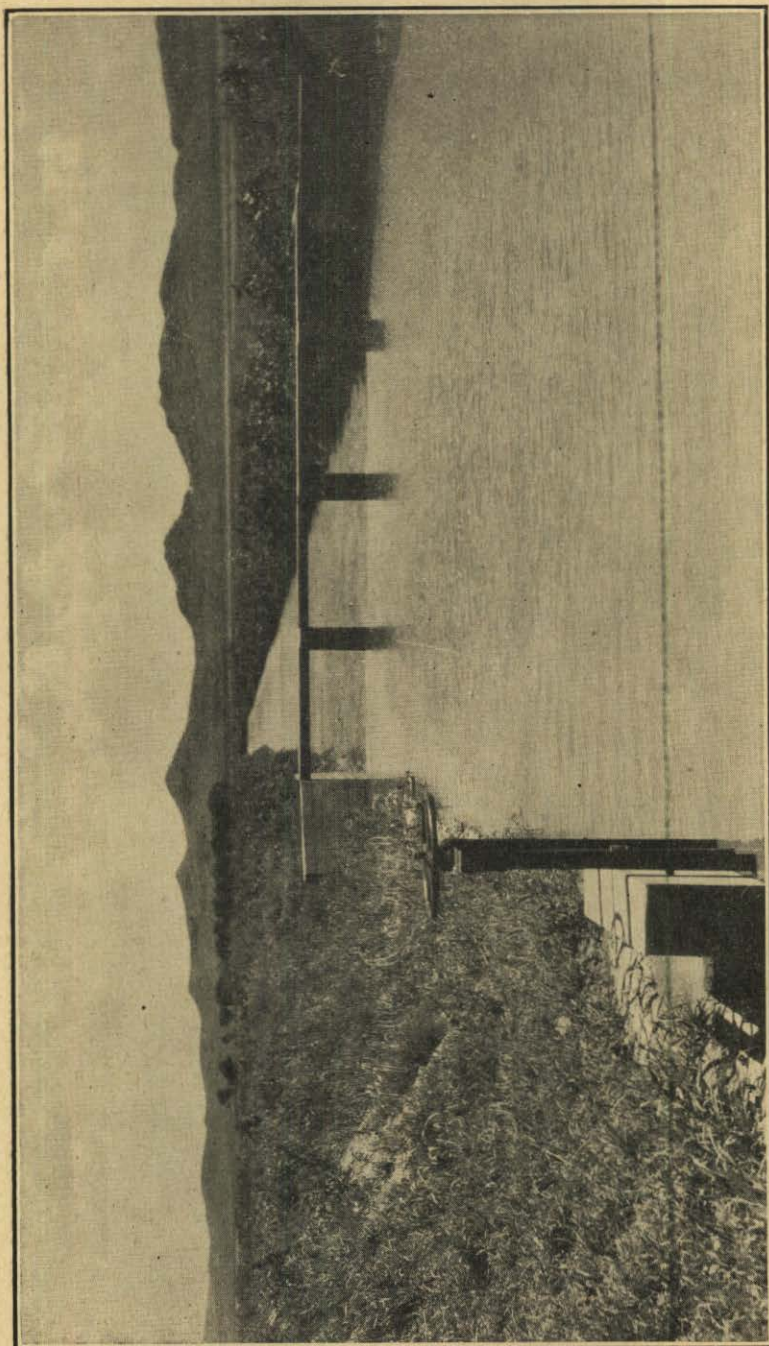
In 1926 these same few farmers got together, and interest in the canal was again revived. It culminated in the present organization of the Thirty Mile Canal Company.

Engineers were engaged, preliminary work and estimates made and contracts were let. The actual construction beginning early in 1927. By the spring of 1928 the canal was completed and ready for operation. The project cost \$350,000.00. No district was formed and no bonds voted. Each farmer paid in his money and when the work was completed it was all paid for, the cost per acre was \$25.00, which was a remarkable achievement. No one acquainted with irrigation costs could possibly realize that a project could be constructed for so small a sum.

Water was turned into the canal early in 1928 and after the usual difficulties were surmounted the canal had a very successful season.

Practically all of the land has been watered, and with next season, it is expected that 100 percent service will be given the stockholders.

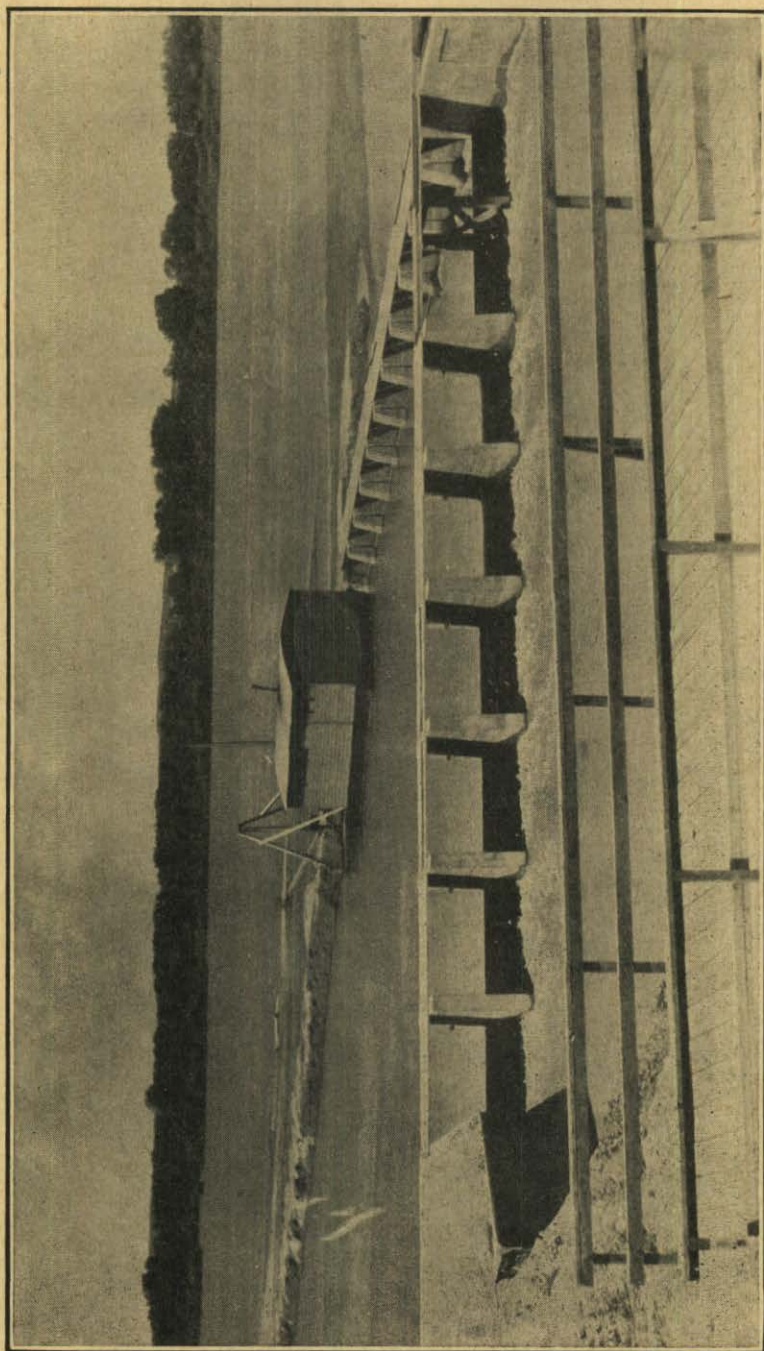
Many of the stockholders who have availed themselves of the full benefits of their rights are free to admit that the increase in their crops this season will completely pay for their water appropriation cost this first year. With all doubts at rest as to the success of the canal it gives them the future years of service at practically no cost and an assurance of bountiful crops in the years to come.



View of Thirty Mile Canal

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Head-gate, Sluice gate and wing Dam of the Thirty mile canal.

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## PUMP IRRIGATION IN NEBRASKA

By Oscar W. Sjogren

Yields of field crops are in a measure due to the farming methods used and to the thoroughness with which these methods are carried out, but every Nebraska farmer knows that he has no control over the greatest factor influencing yields, namely, the weather. Crops may be injured by too much rain, by hail, wind and frost but the lack of moisture usually causes more crop failure than all of the others. Injurious shortage of moisture may not be evident when the total rainfall for the season is considered, since this tells nothing of its distribution through the growing season. Nebraska's crop has been curtailed in many seasons by this shortage of moisture during critical periods of growth, and in many cases it will be found that crop failure was not due to shortage of the total rainfall for the season. The use of water from the rivers of this state for irrigation has grown to a point where the downstream farmer who relies on irrigation is in danger of losing his crop because of shortage of flow, and this condition has stimulated the installation of pumping plants to supplement an unreliable ditch supply, or to serve as a source of supply for individual irrigation systems. The droughts of the past few years have served to impress upon our farmers in the shallow water areas, the desirability of developing an underground source of supply which will give him water for his crops at any time that it may be needed so that they may not suffer from lack of water.

Pump irrigation is not a new thing in this state. There are a number of irrigation pumping plants in the Platte Valley that have been in operation twelve or fifteen years, so that the practice is not by any means new.

Generally speaking, the land in the present pump irrigation area is not entirely dependent upon irrigation water for its moisture to mature crops, but pump irrigation is looked upon more as an insurance of a crop, and we have many evidences that this is true. For instance, on many farms an irrigation plant has enabled the farmer to harvest a full crop, whereas, if no water had been available there would have been no crop at all or at best an inferior quality crop of low yield. During this past summer when one would ordinarily think that our rain supply was ample to produce a full crop, we find that irrigation water increased the yield more than four fold in some cases and practically doubled the yield in many cases. In fact, we have no instances on record where the application of irrigation water to crops in good growing condition did not increase the yield materially. Pump irrigation is destined to play a more important part in this state than it has heretofore and it is well for the individual to bear in mind several factors in the development of an underground supply.

The first important problem in the development of pump irrigation is to secure a good, high yielding well. It is not possible to select at random a location for the well and be sure of a good supply. One should first put down a test well in order to determine the character of the underground strata, particularly the water bearing strata. It is not possible to secure a very large quantity of water from a thin layer of coarse gravel or from quick sand even though the thickness of the water bearing strata may be great. In general, the coarser the layer through which the water seeps the greater will be the supply of water. In order, therefore, to get a high yielding well, we must have not only a thick water bearing strata but also fairly coarse material therein. If the test well does not give suitable indications in the first stratum perhaps by going through to lower strata it may give us the desired information. If the indications are not favorable, it may be desirable to shift the well to another location and keep on trying until we get a location where indications are good. I have known of cases where the test well indicated a very good supply of water but in constructing the irrigation well it was shifted 15 or 20 rods from the test well and the project resulted in failure. If the development of water supply could be as readily calculated as can the design of pumping equipment we would be fortunate indeed. We have data available which shows the exact speed at which a pump should be run to give its greatest efficiency, what its capacity will be at any given speed and how much power it will take to operate it at any given head. The capacity of a well, on the other hand, cannot be calculated prior to an actual test by any process of mathematics even though we may have all possible information available. This makes the installation of a successful irrigation plant a complicated proposition and one which should be given a great deal of thought and study. Competent advice should be employed relative to its location and development. The well system is the heart of the irrigation plant. It determines the success or failure of the undertaking. The most careful procedure with the purchase of machinery as to quality, size and operation will not make the well a success if the water is not sufficient. Too much reliance can, therefore, not be placed upon the test well as it is only a means of making even an approximate estimate of what the well will supply.

There are various types of pumps which may be used, depending upon the depth to water and the amount of water desired. In general the centrifugal pump is the most desirable for low heads. It may be of the horizontal or the vertical type. Generally where the depth to water is 20 feet or less it is the practice to dig a pit to the water line and sink the well below this point. The pump is then installed at the bottom of the pit and may be of either the vertical or horizontal type. This requires the construction of a large pit down to the water level and the sinking of the well from that point. If one well of this

type does not supply sufficient water, two or more wells located 40 or more feet apart may be connected by means of pipe to one pump. In such cases the horizontal type of pump must be used. It is much more desirable and economical in the case of deep wells to use a pump designed for a high head, or the deep well pump. This will not require the sinking of a large pit to the water level but the pump can be placed inside an 18" or 24" casing. Pumps come in various sizes and one should be selected according to the probable capacity of the well.

The capacity of the pumping plant should be such that it will supply a quantity of water which will use the farmer's time to the best advantage in distributing it. As a rule the larger the capacity the more good the farmer will receive from it. A man can generally irrigate more than twice as much land with a flow of 1000 gallons than would be possible if he had a flow of only 500 gallons per minute. It is not economical nor wise to attempt to save an 80 acre field of corn with a plant capable of irrigating but 2 acres a day.

In our investigations of pump irrigation last summer we came in contact with some very interesting situations. In one case an interesting comparison was made between the yield of corn from summer fallowed land and from land which was irrigated. The irrigated crop made a yield of 40 bushels to the acre and the nonirrigated on summer fallow made 38 bushels. An investment in a pumping plant enabled the man to not only increase the yield per acre for the year but also enabled him to secure the use of the land every year in place of every other year as in summer fallowing. The yields per acre were in every instance materially increased by irrigating.

The total lift in the wells observed varied between rather wide limits, the lowest being 16 feet 3 inches and the greatest was 65 feet. Most of the plants operated at lifts between 30 and 40 feet. The cost of these plants, i. e., well and pump, varied from \$270.00 to \$3600.00, and the power plants used varied from \$20.00 to \$3000.00. The power cost of pumping not counting labor varied from \$1.01 per acre foot to \$23.60. On the basis of an acre foot per foot lift the power cost exclusive of labor varied from 3.2 cents to 72 cents. There were three types of power plants used; tractors, stationary engines and electric motors. For the tractor driven plants the power cost varied from 3.5 cents to 23.3 cents per acre foot per foot lift; for the stationary engine driven plant the costs varied from 3.2 cents to 22.6 cents per acre foot per foot lift; for the electric driven plants the power costs varied from 22.6 cents to 72.0 cents per acre foot per foot lift. The power cost is only part of the cost of irrigating; other items considered are labor costs in operating the plant and in distributing the water and interest and depreciation of the plant. Exclusive of interest and depreciation the total expense per acre foot per foot lift varied from 11.5 cents to 92.7 cents and the acre foot cost varied from \$3.09 to \$30.64. Varying amounts of

water were applied per acre by the different farmers so that the acre foot cost is not a very reliable criterion in comparing different plants. The acre cost varied from \$0.99 to \$13.17. There were only four plants that showed a per acre cost over \$5.00 and most of them fall in the range of \$2.00 to \$4.00 per acre. The yield figures indicate increase due to irrigation of from 18 to 50 bushels of corn per acre, but yields were increased 4 tons per acre and other crops in proportion.

While the acre cost of irrigation from wells may seem high in view of the amount of water applied to the ground (varies from 2 to 6 inches), the increased yields secured from the additional water indicate that an irrigation plant wisely used is a good investment which will net a good return in regions where a ditch supply is not available and where the depth to water is reasonable.

## DRAINAGE

All plans for proposed drainage districts shall be approved by the Department of Public Works, as provided for in Section 8448 Compiled Statutes of Nebraska, 1922. Below is a complete list of drainage district of record in this department:

County	Name of District	Date of Approval of Plans
Burt-Washington	Burt-Washington Co. Drainage District	Aug. 2, 1915
Burt-Washington	Peterson Bend Protection District	Sept. 2, 1921 (Retards)
Burt-Washington	Burt-Washington Co. Drainage District	Feb. 19, 1925
Butler	Yanike Drainage District	.....
Butler	Drainage District No. 1	Aug. 5, 1918
Butler	Drainage District No. 2	July 26, 1917
Cedar	Laurel Drainage District	Dec. 15, 1925
Cherry	Gay Lake Drainage District	Sept. 1, 1922
Cherry	Boardman Drainage District	June 23, 1923
Cherry	Coffey Lake Drainage District	Dec. 16, 1924
Colfax	Platte Valley Drainage District	Dec. 28, 1920
Dakota	Drainage District No. 2	April 18, 1914
Dakota	Homer Drainage District	Jan. 10, 1919
Dakota	Dakota City Drainage District	April 3, 1922
Dakota	Omaida Drainage District	Dec. 13, 1924
Dixon-Wayne- Thurston	Wakefield Drainage District	Jan. 18, 1917
Dixon-Cedar	Brookey Bottom Drainage District	Sept. 11, 1922 (Retards)
Dixon-Cedar	North and South Logan Drainage District	Feb. 17, 1925
Douglas	Little Papillion Drainage District	Mar. 2, 1920
Douglas	East Omaha Drainage District	Oct. 5, 1921
Douglas	Elkhorn Valley Drainage District (Safford Ditch)	Jan. 9, 1926
Douglas	Papio Drainage District	June 5, 1926
Douglas-Sarpy	Elkhorn Valley Drainage District	June 24, 1919
Frontier	Drainage District No. 1	Mar. 31, 1915
Knox	Frankfort Bottom Drainage District	Mar. 3, 1923 (Retards)
Lincoln	Lincoln County Drainage District	Mar. 23, 1922
Madison	Norfolk Drainage District	Mar. 18, 1924
Merrick	Drainage District No. 1	Feb. 17, 1916
Merrick	Drainage District No. 2	May 10, 1924
Morrill	Minatare Drainage District	.....
Nemaha	Drainage District No. 3	July 6, 1916
Nemaha	Peru Drainage District No. 6	April 19, 1927
Nuckolls	Drainage District No. 1	.....
Otoe-Johnson	Drainage District No. 1	Oct. 31, 1914

## REPORT OF SECRETARY

County	Name of District	Date of Approval of Plans
Platte	Holdrege Drainage District	.....
Richardson	Drainage District No. 1	.....
Richardson	Drainage District No. 3	Dec. 24, 1921
Richardson	Drainage District No. 4	April 13, 1916
Richardson	Earada Drainage District	June 6, 1921
Sarpy	Western Sarpy Drainage District	Nov. 15, 1917
Sarpy	Bellevue Drainage District	Aug. 14, 1921
Sarpy	Chalco-Portal Drainage District	Mar. 15, 1922
Sarpy	South Buffalo Creek Drainage District	May 25, 1926
Sarpy	Rudersdorf Drainage District	Feb. 15, 1927
(Saunders	Clear Creek Drainage District (Johnson Creek-Ditch No. 6)	Aug. 13, 1925
Scotts Bluff	Scotts Bluff Drainage District	Feb. 21, 1918
Scotts Bluff	Gering Drainage District	June 2, 1920
Stanton	Humbug Drainage District	Mar. 15, 1921
Thurston	Pender Drainage District	Feb. 21, 1918
Washington	Papio Valley Drainage District	Mar. 8, 1926



## OPINION AND FINDING

## BEFORE THE NEBRASKA STATE RAILWAY COMMISSION

In the Matter of the Application }  
of the Pioneer Irrigation Company } APPLICATION NO. 5912  
for Authority to Increase Rates. }

## APPEARANCES:

For applicant—Edwin H. Park, attorney for receiver, Denver, Colorado.

For water users—M. A. Higgins, Benkelman, A. N. Ventis, Haigler, I. D. Long, Haigler, Nebraska.

For the Commission—B. E. Forbes, chief engineer.

## OPINION AND FINDING

BROWNE, Chairman:

Applicant is a Nebraska corporation engaged in transporting water for irrigation purposes through a ditch 15.8 miles long, which taps the Republican river west of Laird, Colorado, and serves an acreage in the states of Colorado and Nebraska. Of the total mileage of ditch 6.96 miles lies in Colorado.

The appropriation of water consists of 15 second feet for use in Colorado and 29 second feet measured at the state line, for use in Nebraska. The full appropriation is used. In Nebraska, 2,030 acres are irrigated, 1,050 being under water rights owned by the land. The remainder uses water under annual rental contract.

Under rates approved by the Commission in 1916 owners of water rights pay 50 cents per acre per annum for maintenance, and renters pay \$2.50 per acre per annum.

The company is in the hands of a receiver, who was appointed by the federal court in response to the petition of the chief creditor of the company, whose claims arose out of legal services unpaid.

The rates applied for in Nebraska are \$2.92 per acre per annum from the owners of water rights and \$6.13 per acre per annum from renters of water. We have no interest in the portion of the application within the jurisdiction of Colorado, but the rates asked for are considerably higher in that state.

The Nebraska State Railway Commission has jurisdiction of the rates and service within the state of Nebraska.

## Valuation of Properties

Most of the evidence denoted that the right of way for the canal was given by the land owners, or at least in part payment for the

water rights. The excavation of the ditch was done almost entirely by interested farmers who were paid from 8 to 10 cents per yard for the excavation. This was in the day of cheap labor, construction occurring in 1891. There is no other direct evidence as to original cost. Indirectly it might be said to appear from the prices quoted for water rights, that the promoters expected to construct the canal and take their profit out of \$20,000. There have been improvements since then in headgate, diversion dam, measuring weirs, and lateral gates. The amount spent on improvements is apparently now unknown.

Applicant through an engineering witness, presented a study of estimated cost to reproduce as of the present day. This cost and applicant's division of cost between Colorado and Nebraska are as follows:

**Total Valuation Not Including Unsold Water Rights or Value of  
Adjudication of Water Right for Nebraska**

	Colorado	Nebraska	
R. O. W.....	\$ 7,081.25	\$ 5,915.00	\$12,996.25
Excavation (canal).....	10,728.00	8,135.00	18,861.00
Diversion Dam.....	1,504.00	3,391.00	4,895.00
Lateral Headgates.....	1,210.35	2,066.50	3,276.85
Weirs (in condition).....	200.00	250.00	450.00
Physical Structures.....	724.50	351.30	1,075.80
Engineering Supervision.....	2,078.00	2,077.00	4,155.00
Organization Legal Office.....	7,500.00	7,500.00	15,000.00
Water Filings & Adjudications.....	241.00	170.00	411.00
Interests (during construction).....	2,491.37	2,379.50	4,870.87
Equipment owned by Company.....	50.00	50.00	100.00
Going Concern.....	2,428.00	4,859.50	7,287.50
	\$36,236.47	\$37,142.80	\$73,579.27

It is not necessary to go into the procedure used in dividing the valuation between states. It appears to be fair. We are concerned only with the Nebraska portion of the valuation. Structural reproduction costs, sometimes called "bare bones" reproduction costs, are contained in the first six items, but these also include the structural overheads including contractor's profits and various additions to quantities upon the theory that the estimate must be high to be safe.

The right of way in Nebraska consists of 53.75 acres which is put in the valuation at \$100 per acre upon the assumption that a conservative figure for irrigated land should be used. However, this is not irrigated land and under no kind of valuation, be it reproduction or original cost, could it be considered irrigated land. On the one side of the right of way the land is valuable. On the other side it is very cheap. Mr. Griggsby, witness for applicant, says that the dry land along the ditch is worth from \$5 to \$20 per acre. We will use the

latter figure and include therein severance damages which would be paid in reproducing the right of way. This amendment from irrigated land to dry land will reduce the value of the right of way \$4300.

Witness measured his yardage of dirt from the ditch as it exists, and then added 10 per cent for good measure. He consented to the removal of this 10 per cent, which at the figured cost of excavation would reduce that item \$740. The corrected figures for the reproduction cost of the physical properties in Nebraska, exclusive of general overheads, are therefore found to be \$15,069.

### General Overheads

Applicant's witness added to his costs of labor and materials and contractor's profits, 56.2 per cent, to represent cost of engineering, supervision of construction, organization of the company, legal costs, interest during construction, and miscellaneous matters of corporate cost. In dollars this was \$12,069. Testimony regarding these, indicates considerable duplication. The percentage is far too liberal otherwise. On rather simple construction jobs like this, it has been the standard practice of the Nebraska Commission for many years, to add 15 per cent to the structural costs for overheads.

In this case however, the interest item should be larger. It was admitted that the ditch and structures could be completed in one summer. It is however, a seasonal business and could not be used in such event until the end of one year. There might be still other delays in signing up for the water on the part of farmers and thereby delays in securing revenue, while the investment would continue. Where ordinarily 4 per cent would be allowed for interest in this case, we are using 10. This makes a total of 21 per cent for general overheads.

The total value of the Nebraska properties based upon reproduction cost alone, exclusive of intangibles, can be set down then as follows:

Structural costs.....	\$15,069.00
General overheads.....	3,164.00
Water filings, etc.....	170.00
Company equipment.....	50.00
	\$18,453.00

This ditch is thirty-five years old and its important structures are twelve to fifteen years old. No allowance was made in the company's reproduction valuation for depreciation. This has deferred maintenance but not depreciation. The structures in the main are concrete and of long life. We will take a liberal attitude and will accept the conclusion of the witness and will not deduct for depreciation.

Applicant allowed \$4860 for going concern value on the Nebraska

part of the properties, figuring this conclusion from hypothetical early losses. In our estimates of interest during construction we allow for early losses, but not so liberally as applicant's witness, it appearing to us that his hypotheses were contrary to general irrigation experience.

Some other factors usually considered in arriving at going value appear in this case to be neutral or negative. This company is under contract to dispose of its property with transfer of water rights. It is today oppressed by debts. Its management has been loose. It cannot dispose of its remaining water rights. No adequate record has been kept of earnings and expenses. It is in the hands of a receiver. We can see no basis for a conclusion that a value exists in excess of the reproduction cost of the physical properties, except in the value of water priority. That value under our findings the company cannot claim.

We find there is no other going value in this property than that recognized by us in handling the matter of depreciation and the interest-during-construction item.

Using reproduction now as the sole factor, in the absence of other factors, we find the value of the Nebraska property for purposes of rate-making to be \$18,500.

#### The Matter of Ownership

Title to this property apparently rests in applicant corporation. This Commission has no jurisdiction to pass on disputes involving property title. (Pauline Burtless vs. McCook Irrigation and Power Company, 98 Nebr. 141). In the present instance we cannot, however, overlook the facts of record. Fifteen water rights have been sold in Nebraska and three in Colorado, out of forty-four under the appropriation. Water deeds were entered into shortly before the construction of the ditch, which deeds provide inter alia that when all the water rights available have been sold, a new corporation shall be formed, the stockholders of which will be the owners of water rights to whom thereupon the ditch and its appurtenances will be deeded, and the obligation of applicant to furnish water shall cease.

In the absence of evidence to the contrary, it is assumed that all water deeds contain these provisions. Admitting that applicant corporation has exclusive control and that title to the property still rests in it, can it be said that it is entitled to earn on the entire value of the property, on the same as if no water rights had been sold and no deeds issued? Under the terms of the water deed, could it be said that when twenty-eight rights have been sold in Nebraska, applicant is entitled to earn on the full value of the property until the last water right is sold? We think not. (McCook Irrigation & P. Co. vs. Burt-

less, 98 Neb. 141). It is our opinion and we so find that under all the circumstances, Nebraska water right owners adjacent to the ditch of the Pioneer Irrigation Company have a one-half interest in the value of the ditch in Nebraska as a matter of arriving at a fair return on the fair value of the property.

It follows therefore, that in arriving at rates which will pay such fair return on a fair value plus cost of operating, Nebraska water right owners should pay no return on the value of the property. Renters of water have no such equity. This conclusion has no relation whatever to the company's claims regarding water rights as yet unsold.

### Operating Costs

Applicant's engineering witness estimated cost of properly operating the ditch in question for one year, exclusive of return on investment, at \$4447, which he divided \$2057 to Nebraska and \$2390 to Colorado.

This testimony is in nowise related up to company experience. It is purely estimate.

The company's witness says it should require \$1600 a year for cleaning the ditch. The receiver, Mr. Clegg, spent \$2118 from May 1924 to September 1925, almost all of two seasons, and in that total paid a considerable number of bills hanging over from 1923 operation. In the figure also was the cost of an extra cleaning and repair of the ditch, due to a heavy storm. This cost was estimated at \$700 to \$800.

The receiver, Mr. Clegg, has been for many years in charge of the ditch. He testified that in some years now he could keep the ditch clean with \$300 to \$500, but this did not apparently include cutting and trimming of banks. The company's expert witness estimated the excess cost due to floods and failure to exclude surface waters from the canal, and the annual cutting down of banks to keep the capacity good, at \$650. From all the testimony we will use the figure \$1200 per annum for cleaning of ditch.

The company's engineering witness estimated \$750 per year for ditch rider at the rate of \$125 per month. The company spent \$400 in 1923 and \$100 a month in 1925 for the time a rider was employed. He should be employed through the irrigating season. We allow \$700 in our computations.

The company's expert witness estimated the maintenance of an office and a general manager at \$1,500 a year. The receiver, Mr. Clegg, a company witness, thought that \$300 a year plus small office expense should be enough for a manager. He is directly in charge and his testimony should be worth while. We will use \$450 in place of the hypothe-

tical estimate of \$1500. Other items in the engineer's estimate will be left undisturbed, as the testimony against them is inadequate.

We thus find the fair operating costs excluding taxes and return on investment should be \$2860 per annum and that this cost divided as the company's witness divided it would mean \$1885 expenses chargeable to the Nebraska operation. Our conclusion is, therefore, that when all proper operating costs are figured and depreciation set up for possible disaster to structures but before return on the property is computed, the rate necessary in Nebraska for maintenance purposes is ninety-five cents per acre per annum. Under our conclusions as to the equities of the water right owners we find that this is the rate which such water right owners should pay.

We have already found that the renters are obligated to pay a return on the part of the ditch not disposed of under contract. Since they must pay a return on one-half of the value of the ditch in Nebraska, the fair rate for renters is \$1.65 per acre per annum.

It was stated in evidence that there are claims aggregating \$10,000 against the company growing out of litigation over the right to divert water from streams in Colorado for purpose of irrigation in Nebraska. It was stated that this should be capitalized and interest paid annually thereon. It was this claim that led to the receivership as we understand it. The claim is not outlawed and constitutes an obligation of the corporation. Whether the entire claim will be approved by the court is for the future. The regular rule in rate cases is that the rate shall be such as to produce a fair return on a fair value of the property. A debt does not constitute value although it may necessarily have been incurred, as here, in preserving such values as we have found. Both corporation and water right owners benefited from this litigation.

Ordinarily in a situation of this kind the debt would be offset in assets by a suspense account and it would be the duty of the rate payer gradually to liquidate the obligation. Here, however, is a receivership. If the property is disposed of to satisfy the debt, the obligation of the rate payer would appear to have ended because the new owner would not find the debt in existence. It may be, however, that a reorganization will result and an effort be made with the approval of the court to pay out the obligations.

We are asked by the receiver to include in the rate a sufficient amount per acre to pay seven per cent interest on the claims of \$10,000. We will add thirty-five cents per acre per annum to the rate because of this indebtedness. Because of the uncertain status of the property we will approve rates for a period of one year only in the hope that at the end of that time conditions will have clarified. We will also provide that the amount collected under the special rate of thirty-five

cents per acre per annum shall be kept by the receiver in a special account and payments be made from it only as directed by the court. If the property is sold to satisfy creditors, the fund thus created will be considered by us when we review the rates at the close of one year.

Petitioner asks for a return on the value of the unsold water rights in Nebraska. These were appraised at \$3,000 each or a total of \$42,000. This follows the assumption that the appropriation belongs to the company because of the fact that it has the right of diversion.

We can see that the right to use the water is valuable property which has increased through the years with the land to which it has been applied. The question is not one of appraisal but whether any amount should be included in the renters' rate base.

The constitution of Colorado provides that the water of natural streams within the state are the property of the public. In 1911 California made the same declaration—Wyoming and Nebraska have said that it belongs to the state. In *Wheeler vs. Northern Tr. Co.* (10 Colo. 582) the court said that the distributor is "an intermediate agency" and is not the owner of the right to the water. In *Wyatt v. Larimer* (18 Colo. 298) the court said that the consumer is the appropriator through the intermediate agency of the ditch.

In *Farmers . . . Co. v. Southworth* (13 Colo. 111) the court went further and said "The carrier is the agent, the consumer is the principal . . . Neither the title nor a salable interest in the water of natural streams vests in the carrier."

In *Denver v. Union Water Co.* (246 U. S. 178) the master found a value for the water rights but the court did not find it necessary to decide the question, confiscation was the issue and the court deducted the value of the water rights before reaching its conclusion.

In Nebraska—"The doctrine of private ownership of water for irrigation purposes, disassociated from the land to which it is designated to be applied, has been approved by long experience to be detrimental to the public welfare . . . The other doctrine is that the right to the use of water should never be separated from the land to which it is to be applied. Where this doctrine prevails, canals and ditches become, like railroads, great semi-public utilities, means of conveyances of a public commodity, their owners entitled to adequate compensation for services rendered, but having no ownership in the property distributed . . . The irrigating company does not own the water; it is only the servant of the public to carry it to the land for which it has been appropriated." (*Wiel 2, Sec. 1341, Farmers' Irri. Dist. v. Frank, 72 Neb. 136.*)

The first use of this appropriation was made in 1890. In 1895 the legislature of this state said that the water of the running streams in Nebraska was the property of the state and set forth how and on

what conditions the right to use the water might be acquired for private purposes. Beneficial application to the land on a fixed ratio of water to land was made the measure. Adjudication of vested rights was provided for on the rule set forth above. The wasteful use of water was prohibited.

Applicant's appropriation was adjudicated under the Nebraska law. Subsequent litigation has fixed the amount of water to be delivered to the Nebraska line. The water so delivered is subject to the laws of the state for which it was decreed.

The water right deeds show that the policy of this company is to sell its canal system to the land owners under the ditch. When all the rights have been sold a new company will be formed and the management will rest in the water users. Apparently the consideration for the water rights was based on investment in the property. This was common practice in Nebraska. It shows that the company did not intend to continue as a common carrier, nor did it regard the use of the water as a thing of value in addition to the physical property. The Commission will not add any value for unsold water rights to those who have not yet purchased.

We conclude and so find that the value of the ditch property used in common carrier service in Nebraska is \$18,500 of which for rate making purposes water right owners will be deemed to have a half interest; that a rate of return of seven per cent is fair; that the expenses for operating the portion of properties in Nebraska excluding a fair return on the value of the properties is \$1885; that the annual renter of water should pay on such basis as will produce his equitable part of operating expenses and a fair return on one-half the fair value of the properties located in Nebraska; that rate of ninety-five cents per acre per annum is fair and equitable as applied to the water right owners for the transportation of water by applicant company and \$1.65 per acre per annum is a fair and equitable rate for the transportation of water used by annual renters of water; that a special charge of thirty-five cents per acre should be applied to all irrigated acres in Nebraska for the purpose of creating a fund out of which under proper circumstances shall be paid interest on certain obligations above discussed; and that under the lack of record of experienced costs of operation and the indefinite situation of the receivership rates should be made for the definite period of one year from January 1, 1926, at the close of which year further order shall be entered in the light of circumstances as they then exist.

#### ORDER

IT IS THEREFORE ORDERED by the Nebraska State Railway Commission that the Pioneer Irrigation Company of Haigler, Nebraska,



be, and it hereby is, authorized and directed to charge and collect annual service rates as follows:

Water right owners.....	\$ .95 per acre
Water renters.....	\$1.65 per acre

IT IS FURTHER ORDERED that applicant charge and collect from both water right owners and renters of water within the State of Nebraska an additional amount of thirty-five cents per acre per annum which amount shall be kept in a specific fund for the purpose of liquidation of the company's indebtedness under order of the court; provided, that none of this fund shall be paid out for purposes above except with the approval of the court.

IT IS FURTHER ORDERED that the rates and charges set out above shall be effective for one year from January 1, 1926.

Made and entered at Lincoln, Nebraska, this 16th day of January, 1926.

NEBRASKA STATE RAILWAY COMMISSION

(Signed) Thorne A. Browne,

Chairman.

ATTEST:

(Signed) John E. Curtiss

Secretary.

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**DIVISION OF HYDROGRAPHY  
AND SURVEYS**

## DESCRIPTION OF GAGING STATIONS

## PATHFINDER RESERVOIR

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

ELEVATION OF OVERFLOW WEIR—5852.00 ft. mean sea level.

DRAINAGE AREA.—12,000 square miles.

RECORDS AVAILABLE:—May 1st, 1909 to September 30, 1928.

GAGE:—Chain at left bank near foot bridge.

CHANNEL:—Very narrow and through solid granite.

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

DISTANCE FROM RESERVOIR:—About one-quarter mile.

## GUERNSEY RESERVOIR

The Guernsey Dam is located on the North Platte River near the north line of Section 27, Township 27 N, Range 66 W. 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.

It is a sluiced gravel and rock fill structure, with the following capacities:—

ELEVATION		ACRE FEET
50 ft. Level.....	4380.00	Zero Storage.....11,270
90 ft. Level.....	4420.00	Total Storage.....72,700
Top of dam.....	4426.00	Net Storage.....61,430
North Spillway.....	4370.00	

The dam was constructed to regulate and store water for irrigation and to maintain a power head. The ultimate development of power will be 12,000 KVA.

## NORTH PLATTE RIVER AT WHALEN, WYOMING

LOCATION:—Section 11, Township 26 N, Range 65 W.

DRAINAGE AREA:—16,300 square miles.

**NORTH PLATTE RIVER AT WHALEN, WYOMING—Continued**

**RECORDS AVAILABLE:** May 1st, 1909 to September 30, 1928. Records of the river flow prior to May 1st, 1909 were made from the Guernsey gaging station and are available from June 14th, 1900 to November 17th, 1908. Guernsey is about eight miles above Whalen.

**GAGE:**—The discharges over the weir are determined by use of a vertical staff and computed by weir formula. In addition to this there are also sluice gates through which the discharge is computed. Usually the Ft. Laramie Canal carries water the year round for the Lingle Power Plant, the flow from the Power Plant through the tail race back to the river is not included in the discharge at the river weir for this biennium. 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.

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

**NORTH PLATTE RIVER AT TORRINGTON, WYOMING**

**LOCATION:**—Concrete highway bridge consisting of nine, fifty foot spans about one-half mile South of Torrington. In Section 15, Township 24 N Range 61 W; eight miles below mouth of Laramie River.

**RECORDS AVAILABLE:**—April 1st, 1926 to September 30, 1928.

**GAGE:**—A 2"x6"x8' timber spiked to the seventh piling west of the south end of the concrete bridge. On this timber are six porcelain sections sub-divided into tenths and hundredths of a foot. House numbers of aluminum are nailed to the timber at the foot marks, numbering from one to five. The two foot mark has a sea level elevation of 4180. On the fourth piling of the south end of the bridge is fastened a 4"x4" timber painted white with porcelain sections fastened thereon. This was installed by the Wyoming Highway Engineer and sea level elevation was used. Each span of the bridge has a clear water way of 46.5 feet. A control of sheet piling was driven into the sand, the top of which is on grade with the bed of the river and parallel to the bridge at a distance of thirty-five feet east from the bridge.

**OBSERVER:**—Geo. F. Shelton, Torrington, Wyoming.

**ELEVATION:**—Approximately 4180 feet above mean sea level.

**HIGHEST GAGE HEIGHT FOR SEASON:**—4.72 June 23, 1927 and 7.50 June 5, 1928.

**NORTH PLATTE RIVER AT TORRINGTON, WYOMING—Continued**

**LOWEST GAGE HEIGHT FOR SEASON:**—1.32 October 31, 1927 and 1.33 February 20, 1928.

**DISTANCE FROM PATHFINDER:**—221 miles.

**NORTH PLATTE RIVER AT MITCHELL, NEBRASKA**

**LOCATION:**—At highway bridge in Section 27, Township 23 N, Range 56 W, fourteen miles below the Wyoming-Nebraska State Line.

**RECORDS AVAILABLE:**—From June 2nd, 1901 to July 10th 1913 and from 1916 to September 30, 1928.

**GAGE:**—Five foot wooden staff fastened to a pile about fifteen feet east of the south end of a concrete bridge. The bridge consists of twelve, fifty foot spans.

**OBSERVER:**—C. G. WALDO, Mail Carrier, Mitchell, Nebraska. Automatic Recorder.

**ELEVATION:**—Approximately 3945 feet above mean sea level.

**MAXIMUM GAGE HEIGHT FOR SEASON:**—3.30 May 16 and August 16, 1927, and 4.95 June 8, 1928.

**LOWEST GAGE HEIGHT FOR SEASON:**—1.20 May 21, June 1st, and July 15, 1927 and 0.95 September 28, 1928.

**DISTANCE FROM PATHFINDER:**—253 miles.

**NORTH PLATTE RIVER AT MINATARE, NEBRASKA**

**LOCATION:**—West line of Section 18, Township 21 N, Range 53 W, one mile west and one and one-half miles south of Minatare. Concrete bridge consisting of twelve fifty-foot arches.

**RECORDS AVAILABLE:**—From May 1916 to September 30, 1928, with the exception of the year 1920.

**GAGE:**—Vertical staff five feet in length fastened to second concrete pier from south end of bridge on the down stream side. One foot porcelain gage rod fastened to staff.

**OBSERVER:**—F. W. Smith, Minatare, Nebraska.

**ELEVATION:**—

**HIGHEST GAGE HEIGHT FOR SEASON:**—2.75 June 23, 1927 and 4.20 June 6, 1928.

**LOWEST GAGE HEIGHT FOR SEASON:**—0.75 August 25, 1927 and 0.70 July 14, 1928.

**NORTH PLATTE RIVER AT MINATARE, NEBRASKA—Continued**

**BENCH MARKS:**—The zero point of gage is 13.51 feet below top of hand rail next to gage.

**DISTANCE FROM PATHFINDER:**—270 miles.

**NORTH PLATTE RIVER AT BRIDGEPORT, NEBRASKA**

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

**RECORDS AVAILABLE:**—From May 1902 to 1906 and 1915 to September 30, 1928.

**GAGE:**—Six foot vertical staff fastened to east side of south abutment of concrete bridge and a vertical staff on inside of stilling well on north wall.

**OBSERVER:**—Automatic recorder. A. W. Hall during winter months when automatic recorder cannot be used.

**ELEVATION:**—Approximately 3675 feet above mean sea level.

**HIGHEST GAGE HEIGHT FOR SEASON:**—7.30 June 23, 1927 and 8.30 June 6, 1928.

**LOWEST GAGE HEIGHT FOR SEASON:**—5.85 March 28, November 1st and 14, 1927 and 5.30 August 21, 1928.

**BENCH MARKS:**—Zero of the gage is 18.75 feet below top of hand rail directly above the gage. Zero of gage is also 15.18 feet below top of northwest corner of iron door frame of concrete stilling well. Long distance recorder has been in use since June 1917.

**DISTANCE FROM PATHFINDER:**—293 miles.

**NORTH PLATTE RIVER AT OSHKOSH, NEBRASKA**

**LOCATION:**—West line Section 2, Township 16 N, Range 44 W. About one mile south of Oshkosh. Steel truss bridge consisting of seven 98 foot spans.

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

**GAGE:**—Seven foot vertical staff nailed to a 2"x6" plank which is bolted to the northeast corner of the first pier from the north end of the bridge.

**OBSERVER:**—Glenn E. Mong, Oshkosh, Nebraska.

**NORTH PLATTE RIVER AT OSHKOSH, NEBRASKA—Continued**

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

**HIGHEST GAGE HEIGHT FOR SEASON:**—3.70 June 7, 1928.

**LOWEST GAGE HEIGHT FOR SEASON:**—1.20 August 20, 1928.

**DISTANCE FROM PATHFINDER:**—340 miles.

**NORTH PLATTE RIVER AT LEMOYNE, NEBRASKA**

**LOCATION:**—In Section 20, Township 15 N. Range 39 W. Wooden bridge 1900 feet in Length.

**RECORDS AVAILABLE:**—April 5th, 1926 to January 1, 1928.

**GAGE:**—April 5th, 1926, a five foot wooden staff was fastened on the north side of west pile on the seventh bent from the north end of bridge. Zero of gage is 6.77 feet below top of floor girder directly above rod.

**OBSERVER:**—Buster Woolsey.

**ELEVATION:**—Approximately 3185 feet above mean sea level.

**HIGHEST GAGE HEIGHT FOR SEASON:**—3.10 Aug. 7, 1927.

**LOWEST GAGE HEIGHT FOR SEASON:**—1.70 July 18, 1927.

**BENCH MARKS:**—

**DISTANCE FROM PATHFINDER:**—368 Miles.

**NORTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA**

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

**RECORDS AVAILABLE:**—February 25th, 1895 to September 30th, 1928, excepting the year, 1910.

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

**OBSERVER:**—A. W. Shilling Jr., North Platte, Nebraska.

**ELEVATION:**—Approximately 2800 feet above mean sea level.

**HIGHEST GAGE HEIGHT FOR SEASON:**—2.80 July 20, 1927 and 5.40, June 9, 1928.

**LOWEST GAGE HEIGHT FOR SEASON:**—2.30, August 21-22, 1928.



**NORTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA—Cont.**

**BENCH MARKS:**—Two nails in each side of telephone pole on west side of road at the south end of the bridge one foot above the ground. Elevation of nails in 7.55 feet above zero of gage.

**DISTANCE FROM PATHFINDER:**—422 Miles.

**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.

**RECORDS AVAILABLE:**—April 1902 to November 14, 1906; May 12, 1908 to September 30, 1914; January 1st, 1923 to September 30, 1928.

**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 No. One has a vertical staff and Channel No. Two a sloping staff. Nebraska maintains a Stevens Continuous Automatic water level recorder in Channel No. One and Colorado maintains a Bristol Automatic Recorder in Channel No. Two.

**OBSERVER:**—C. N. Slusser, Julesburg, Colorado.

**ELEVATION:**—

**HIGHEST GAGE HEIGHT FOR SEASON:**—Channel No. 1, 2.90 April 21, 1927 and 2.90 June 12, 1928; Channel No. 2, 2.40 June 16 and August 4, 1927, and 4.70, June 8, 1928; Channel No. 3, 3.80 April 21, 1927 and 4.66 June 8, 1928; Channel No. 4, April 21, 1927 and 4.78 June 9, 1928.

**LOWEST GAGE HEIGHT FOR SEASON:**—Channel No. 1, 0.50 August 25, 1927 and 0.85 August 25, 1928; Channel No. 2, 0.96 July 18, 1927 and 1.09 August 27, 1928; Channel No. 3, 1.40 July 18, 1927 and 1.96 September 2nd to 7th, 1928; Channel No. 4, Dry June, July, August and September, 2.76 September 9, 1928.

**BENCH MARKS:**—

**SOUTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA**

**LOCATION:**—Concrete bridge consisting of ten spans, fifty feet each, in Section 9, Township 13 N. Range 30 W. about four miles above its junction with the North Platte River.

**RECORDS AVAILABLE:**—From June 1st, 1914 to September 30th, 1928.

**SOUTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA—Cont.**

**GAGE:**—A six foot vertical staff nailed to a fourteen inch wooden pile farthest up stream on south bank jetty.

**OBSERVER:**—A. W. Shilling Jr., North Platte, Nebraska.

**ELEVATION:**—Approximately 2800 feet above mean sea level.

**HIGHEST GAGE HEIGHT FOR SEASON:**—3.20 April 20, 1927 and 3.70 June 10, 1928.

**LOWEST GAGE HEIGHT FOR SEASON:**—1.00 July 17, and Dry August 1st, 1927, 1.10 September 12, 1928.

**BENCH MARKS:**—Elevation of hand rail 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.

**PLATTE RIVER AT OVERTON, NEBRASKA**

**LOCATION:**—Concrete highway bridge consisting of twenty-five spans 35.5 feet center to center, four miles south of Overton.

**RECORDS AVAILABLE:**—May 1917 to September 30, 1928, with the exception of the year 1924.

**GAGE:**—Gage rod is fastened to a 4"x6"x4' staff wired to first pier of bridge from north end, on east side. Elevation of zero is 90.00 feet. 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.

**OBSERVER:**—Nils Brunzell, Overton, Nebraska.

**ELEVATION:**—Approximately 2320 feet above mean sea level.

**HIGHEST GAGE HEIGHT FOR SEASON:**—2.90 April 15, 1927 and 5.70 June 13, 1928.

**LOWEST GAGE HEIGHT FOR SEASON:**—0.0 July 29-31, 1927 and 1.50 August 24, 1928.

**DISTANCE FROM PATHFINDER**—490 miles.

**PLATTE RIVER AT CENTRAL CITY, NEBRASKA**

**LOCATION:**—Two and one-half miles south of Central City on concrete bridge consisting of sixteen fifty-foot arches.

**RECORDS AVAILABLE:**—April 1st, to August 26, 1922, March 24th to December 31st, 1923, January 1st to October 31st, 1925 March 16th to September 30, 1926, March 15th to August 1st, 1927.

**GAGE:**—Vertical wooden staff, eight feet in length, fastened on first pier from north end of bridge on down stream side.

PLATTE RIVER AT CENTRAL CITY, NEBRASKA—Continued  
OBSERVER:—Geo. D. Gregg, for 1927, Central City, Nebraska.

ELEVATION:—1700 feet above mean sea level.

HIGHEST GAGE HEIGHT FOR SEASON:—4.10 April 16, 1927.

LOWEST GAGE HEIGHT FOR SEASON:—0.90 July 28 to 31, 1927.

BENCH MARKS:—Spike driven in north side of power transmission line pole fifty feet north of north end of earth fill, east side of highway approximately fifteen hundred feet from north end of bridge. Spike at bottom of groove cut in pole about one foot above ground. Elevation 1702.27 above sea level. Top of hand rail directly over gage staff is 1709.57. Zero of gage is 1693.97, top of bolt which fastens staff to pier is 1699.97.

#### PLATTE RIVER AT COLUMBUS, NEBRASKA

LOCATION:—At Merridan Bridge, three miles south of town on west line Section 31, Township 17N. Range 1 E., five miles above the mouth of the Loup River.

DRAINAGE AREA:—56900 square miles.

RECORDS AVAILABLE:—From June 4, 1895 to September 30, 1914; June 15 to September 30, 1928.

GAGE:—Vertical wooden Staff ——— feet in length fastened to first steel I beam piling south of the north end of the bridge on the down stream side. Six one foot sections of porcelain rod with aluminum numbers for foot marks.

OBSERVER:—Chas. H. Bean, Columbus, Nebraska.

ELEVATION:—

HIGHEST GAGE HEIGHT FOR SEASON:—5.80, June 15, 1928.

LOWEST GAGE HEIGHT FOR SEASON:—0.60 September 18, to 24, 1928.

BENCH MARKS:—U.S.G.S. standard bench mark with bronze cap. The bronze cap is located 22.1 feet northwest of top of west piling of first steel span from the north bank. A willow tree is 43.0 feet northwest of bench mark. The elevation of zero of the gage is 6.80 feet below top of bronze cap. Elevation given by Mark O. Chamberlain, Duncan, Nebraska, Channel shifting. One channel at high stage and several at low. At high stage the channel is 1966 feet from bank to bank.

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**PATHFINDER RESERVOIR**  
**STORAGE QUANTITIES AT END OF MONTH IN ONE THOUSAND**  
**ACRE FEET FROM JANUARY 1909 TO OCTOBER 31ST, 1928**

Furnished by the United States Bureau of Reclamation

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1909	0	0	0	32	114	655	520	227	125	0	0	0
1910	0	0	0	55	242	297	192	85	0	0	0	0
1911	0	0	17	2	170	390	270	122	0	0	0	0
1912	0	20	54	225	567	966	870	576	303	50	3	4
1913	4	24	71	378	567	609	474	324	209	229	268	288
1914	308	328	356	578	840	1082	890	636	378	310	332	348
1915	363	379	410	502	600	660	468	324	277	320	350	377
1916	400	429	561	684	760	799	586	398	314	351	383	412
1917	436	456	492	742	1102	1176	1055	846	647	628	665	700
1918	729	752	822	884	920	1107	909	696	568	580	612	641
1919	659	681	725	858	921	778	549	350	233	173	199	222
1920	244	277	347	501	1017	1129	954	768	659	633	671	691
1921	715	742	840	845	1085	1126	929	735	577	529	557	584
1922	604	620	682	803	869	934	693	465	304	249	277	296
1923	320	342	374	465	512	1119	981	792	637	710	756	774
1924	792	820	851	1019	1004	1070	746	407	208	237	278	305
1925	330	360	451	582	671	730	503	266	120	198	246	280
1926	299	333	414	727	991	1062	870	590	399	432	454	460
1927	456	472	515	658	1040	1121	880	668	504	553	608	626
1928	637	667	776	900	1167	1117	959	678	420	389		

**DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT**  
**FT. LARAMIE, WYOMING**

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
6-3-27	A. W. Hall	556	2.86	.....	1597

**DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT**  
**TORRINGTON, WYOMING**

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-6-26	A. E. Johnston	615	2.44	1.95	1506
10-27-26	A. W. Hall	441	1.96	1.52	868
11-29-26	A. W. Hall	459	2.42	1.65	1115
1-6-27	A. W. Hall	464	2.44	1.75	1130
2-1-27	A. W. Hall	403	2.36	1.72	963
2-23-27	A. W. Hall	422	2.38	1.55	1007
3-11-27	A. W. Hall	383	2.38	1.50	912
3-30-27	A. E. Johnston	338	2.23	1.40	754
4-19-27	A. W. Hall	647	2.84	2.11	1834
4-25-27	A. E. Johnston	634	2.84	2.00	1794
5-2-27	A. W. Hall	1146	3.56	3.42	4098
5-16-27	A. W. Hall	1335	4.24	4.30	5671
5-25-27	A. W. Hall	903	2.04	2.71	2388
6-16-27	A. W. Hall	922	3.61	2.92	3336
7-7-27	A. W. Hall	798	4.32	3.10	3440
8-4-27	A. W. Hall	1465	4.35	4.40	6392
8-25-27	A. W. Hall	808	2.46	2.20	1989
9-6-27	A. W. Hall	661	2.71	2.29	1790

## REPORT OF SECRETARY

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
MITCHELL, NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10- 5-26	A. E. Johnston	921	2.59	1.80	2391
10-26-26	A. W. Hall	520	2.62	1.45	1263
11-29-26	A. W. Hall	734	2.16	1.50	1581
1- 8-27	A. W. Hall	598	2.36	1.55	1409
2-23-27	A. W. Hall	712	2.12	1.50	1651
3-10-27	A. W. Hall	613	2.13	1.30	1305
3-29-27	A. E. Johnston	567	2.02	1.30	1149
4-19-27	A. W. Hall	1086	2.90	2.00	3118
4-23-27	A. E. Johnston	1044	2.70	2.00	2858
4-26-27	A. E. Johnston	919	2.74	1.85	2529
5- 3-27	A. W. Hall	1463	3.06	2.50	4481
5-17-27	A. W. Hall	1893	3.31	3.15	6249
5-26-27	A. W. Hall	969	2.41	1.75	2415
6-17-27	A. W. Hall	1151	2.92	2.17	3372
7- 7-27	A. W. Hall	1164	3.01	2.10	3502
7-14-27	A. W. Hall	485	2.92	1.29	1418
8- 3-27	A. W. Hall	1407	3.52	2.85	4999
8-25-27	A. W. Hall	437	2.50	1.30	1091
9- 6-27	A. W. Hall	481	2.05	1.25	1098

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
MELBETA, NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10- 1-26	A. W. Hall	919	2.51	1.45	2309
10- 8-26	A. E. Johnston	913	2.57	1.40	2358
10-25-26	A. W. Hall	666	2.15	1.20	1429
11-27-26	A. W. Hall	853	2.31	1.45	1972
1- 8-27	A. W. Hall	856	2.14	1.55	1835
2-10-27	A. W. Hall	616	2.32	1.20	1431
4- 1-27	A. E. Johnston	842	2.48	1.45	2086
4- 7-27	C. E. Franklin	906	2.35	1.57	2135
4-18-27	A. W. Hall	1158	2.74	1.74	3178
4-22-27	A. E. Johnston	1200	3.13	1.90	3761
4-24-27	C. E. Franklin	1096	2.79	1.89	3055
4-27-27	A. E. Johnston	1046	2.70	1.65	2825
5- 3-27	A. W. Hall	1689	2.83	2.16	4779
5-10-27	C. E. Franklin	1450	3.00	2.08	4386
5-17-27	A. W. Hall	1965	3.50	2.55	6893
6-21-27	C. E. Franklin	1750	3.10	2.43	6433
5-26-27	A. W. Hall	1229	2.55	1.70	3137
6- 2-27	A. W. Hall	849	2.49	1.10	1879
6-15-27	A. W. Hall	1069	2.81	1.65	3002
7- 6-27	C. E. Franklin	1309	2.80	1.86	3670
7- 9-27	A. W. Hall	972	2.60	1.35	2521
7-15-27	A. W. Hall	669	2.14	1.00	1427
7-18-27	C. E. Franklin	505	2.52	1.00	1272
8- 1-27	C. E. Franklin	1462	3.24	2.22	4743
8- 2-27	A. W. Hall	1865	3.45	2.65	6471
8-24-27	A. W. Hall	716	2.25	0.80	1608
8-29-27	C. E. Franklin	926	2.21	0.94	1825
9- 5-27	A. W. Hall	586	2.02	0.90	1185
9-11-27	C. E. Franklin	739	2.16	1.05	1597

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
BRIDGEPORT, NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10- 1-26	A. W. Hall	1269	2.26	6.15	2873
10-15-26	A. W. Hall	1004	2.44	6.15	2590
11- 4 26	A. W. Hall	910	2.05	6.00	1865
11-26-26	A. W. Hall	1014	2.14	6.00	2162
2-21-27	A. W. Hall	1113	2.30	6.40	2567
3- 8-27	A. W. Hall	845	2.21	5.95	1868
3-24-27	A. W. Hall	806	2.09	5.95	1637
4- 8-27	A. W. Hall	1042	2.34	6.20	2435
4-16-27	A. W. Hall	1390	1.94	6.46	3702
4-29-27	A. W. Hall	1298	2.26	6.30	2929
5- 4-27	A. W. Hall	1712	2.64	6.70	4527
5-16-27	A. W. Hall	2311	2.80	7.00	6456
5-21-27	A. W. Hall	2128	2.74	7.03	5480
6- 2-27	A. W. Hall	778	2.28	5.81	1778
6- 7-27	A. W. Hall	1240	2.29	6.25	2843
6-20-27	A. W. Hall	1994	2.84	6.90	5653
7-12-27	A. W. Hall	865	2.15	5.83	1865
7-16-27	A. W. Hall	594	2.20	5.65	1270
8- 6-27	A. W. Hall	2320	3.02	7.21	7021
8-27-27	A. E. Johnston	720	2.14	5.65	1538

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
LEWELLEN, NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
4- 5-27	A. E. Johnston	935	3.10	2.86	2897
4-20-27	A. E. Johnston	1970	2.75	3.25	5430
5- 3-27	A. E. Johnston	1587	3.72	3.30	5921
7-19-27	A. E. Johnston	607	2.46	2.20	1490

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
LEMOYNE, NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-16-26	A. W. Hall	1432	1.81	2.10	2588
10-26-26	A. E. Johnston	1488	1.94	1.95	2888
11-12-26	A. E. Johnston	1421	2.17	1.90	3083
12-11-26	A. W. Hall	1479	2.15	2.10	3178
1-10-27	A. W. Hall	1357	1.47	2.70	2000
3-15-27	A. W. Hall	1405	2.08	1.95	2922
4- 6-27	A. E. Johnston	1622	2.00	2.10	3264
4-19-27	A. E. Johnston	2063	2.37	2.50	4896
5- 4-27	A. E. Johnston	2280	2.40	2.45	5530
5-21-27	A. E. Johnston	3170	2.72	2.91	8634
6-15-27	A. E. Johnston	1473	2.08	2.10	3067
6-29-27	A. E. Johnston	2579	2.30	2.55	6935
7-16-27	A. E. Johnston	1203	1.79	1.80	2150
7-26-27	A. E. Johnston	757	1.66	1.82	1258
8- 5-27	A. E. Johnston	3117	2.81	2.92	8802
8-24-27	A. E. Johnston	1524	1.87	2.30	2851
9- 3-27	A. W. Hall	1075	1.94	1.90	2043
9-16-27	A. E. Johnston	1349	2.08	2.10	2814

## REPORT OF SECRETARY

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
NORTH PLATTE, NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-23-26	A. E. Johnston	1158	2.78	3.05	3219
11-11-26	A. E. Johnston	1107	2.09	3.50	2971
12- 8-26	A. W. Hall	1154	2.02	3.85	3021
1-27-27	A. W. Hall	1061	1.92	4.05	2041
3-17-27	A. W. Hall	1780	1.68	3.43	2986
4- 8-27	A. E. Johnston	1548	2.46	3.50	3815
4-16-27	A. E. Johnston	1618	2.87	3.85	4640
4-18-27	A. E. Johnston	1900	2.44	4.20	6544
5- 6-27	A. E. Johnston	1819	3.20	4.10	5840
5-19-27	A. E. Johnston	2383	3.16	4.30	7526
6-13-27	A. E. Johnston	1120	2.74	3.50	3069
7- 1-27	A. E. Johnston	1415	3.12	3.88	4405
7-14-27	A. E. Johnston	929	2.36	3.15	2197
7-20-27	A. E. Johnston	537	2.24	2.80	1200
7-25-27	A. E. Johnston	614	2.30	3.00	1409
8- 8-27	A. E. Johnston	2413	3.53	4.60	8526
8-22-27	A. E. Johnston	1550	3.79	4.00	5887
9-13-27	A. E. Johnston	831	2.39	3.05	2027

DISCHARGE MEASUREMENTS OF SOUTH PLATTE RIVER AT  
NORTH PLATTE, NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-23-26	A. E. Johnston	255	1.82	2.30	463
11-11-26	A. E. Johnston	204	1.58	2.30	322
12- 9-26	A. W. Hall	240	1.97	2.40	474
3-17-27	A. W. Hall	534	2.50	2.60	1329
4-16-27	A. E. Johnston	592	2.37	2.60	1404
4-18-27	A. E. Johnston	643	2.88	2.95	1849
5- 6-27	A. E. Johnston	471	2.24	2.55	1052
5-19-27	A. E. Johnston	287	1.35	2.15	388
6-13-27	A. E. Johnston	120	1.61	2.10	193
7- 1-27	A. E. Johnston	.....	.....	1.68	10
7-14-27	A. E. Johnston	.....	.....	1.10	0
8- 8-27	A. E. Johnston	72	1.37	2.00	99
8-22-27	A. E. Johnston	122	1.42	2.20	174
9-14-27	A. E. Johnston	.....	.....	0.90	0

DISCHARGE MEASUREMENTS OF SOUTH PLATTE RIVER AT  
OVID, COLORADO

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-12-26	A. E. Johnston	233	2.18	.....	509
11- 3-26	A. E. Johnston	174	2.16	.....	376



DISCHARGE MEASUREMENTS OF SOUTH PLATTE RIVER AT  
JULESBURG, COLORADO, CHANNEL NO. 1

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-13-26	A. E. Johnston	89	2.40	2.00	214
10-21-26	A. W. Hall	70	2.48	1.74	174
11- 4-26	A. E. Johnston	-----	-----	1.90	200
3-25-27	C. E. Franklin	140	2.60	2.30	363
4-12-27	C. E. Franklin	89	2.32	2.05	207
4-21-27	C. E. Franklin	247	2.80	2.92	691
4-29-27	C. E. Franklin	179	2.73	3.14	490
5-13-27	C. E. Franklin	71	2.31	1.79	164
5-17-27	*C. E. Feetham	49	2.24	1.66	109
6-17-27	*C. E. Feetham	68	2.13	1.81	146
6-30-27	C. E. Franklin	13	1.57	1.02	21
7- 8-27	C. E. Franklin	9	1.45	1.00	13
7-19-27	*C. E. Feetham	11	1.16	0.92	13
8- 6-27	C. E. Franklin	84	2.30	2.02	195
8-19-27	C. E. Franklin	29	1.98	1.32	58
9- 3-27	C. E. Franklin	8	1.18	0.95	10
9-15-27	*C. E. Feetham	8	0.96	0.86	7
9-28-27	C. E. Franklin	36	2.04	1.44	73

\* Colorado Measurements.

DISCHARGE MEASUREMENTS, SOUTH PLATTE RIVER AT  
JULESBURG, COLORADO, CHANNEL NO. 2

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-13-26	A. E. Johnston	62	2.86	2.10	177
10-21-26	A. W. Hall	81	2.31	1.95	187
11- 4-26	A. E. Johnston	-----	-----	1.90	165
3-25-27	C. E. Franklin	282	2.44	2.98	690
4-12-27	C. E. Franklin	164	2.39	2.58	393
4-21-27	C. E. Franklin	501	2.69	3.62	1349
4-29-27	C. E. Franklin	342	2.36	3.52	808
5-13-27	C. E. Franklin	140	2.24	2.29	315
5-17-27	*C. E. Feetham	81	2.15	1.98	174
6-17-27	*C. E. Feetham	107	2.24	2.18	230
6-30-27	C. E. Franklin	14	1.16	1.23	17
7- 8-27	C. E. Franklin	10	1.30	1.20	13
7-10-27	*C. E. Feetham	7	1.23	1.38	10
7-22-27	C. E. Franklin	-----	-----	-----	12
8- 6-27	C. E. Franklin	287	1.17	2.53	336
8-19-27	C. E. Franklin	549	1.70	1.70	93
9- 3-27	C. E. Franklin	19	1.10	1.30	21
9-15-27	*C. E. Feetham	18	1.51	1.38	27
9-28-27	C. E. Franklin	67	1.79	1.20	120

## REPORT OF SECRETARY

DISCHARGE MEASUREMENTS OF SOUTH PLATTE RIVER,  
JULESBURG, COLORADO, CHANNEL NO. 3

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-13-26	A. E. Johnston	15	2.08	.....	32
10-21-26	A. W. Hall	13	1.29	.....	17
11- 4-26	A. E. Johnston	.....	.....	2.48	12
3-25-27	C. E. Franklin	80	1.70	2.20	141
4-12-27	C. E. Franklin	35	1.71	1.97	60
4-21-27	C. E. Franklin	167	2.17	2.80	363
4-29-27	C. E. Franklin	103	2.04	2.45	214
5-13-27	C. E. Franklin	31	1.60	1.90	60
5-17-27	*C. E. Feetham	24	1.50	2.84	37
6-17-27	*C. E. Feetham	34	1.52	2.90	51
6-30-27	C. E. Franklin	5	0.61	1.46	3
7- 8-27	C. E. Franklin	4	0.45	1.35	2
7-15-27	C. E. Franklin	.....	.....	1.35	2
7-19-27	*C. E. Feetham	.....	.....	2.28	1
7-22-27	C. E. Franklin	.....	.....	1.35	2
8- 6-27	C. E. Franklin	37	1.86	2.05	70
8-12-27	C. E. Franklin	16	1.35	1.61	22
8-19-27	C. E. Franklin	12	1.27	1.51	15
9- 3-27	C. E. Franklin	.....	.....	1.95	0.5
9- 9-27	C. E. Franklin	.....	.....	2.20	1
9-15-27	*C. E. Feetham	.....	.....	2.19	0.5
9-28-27	C. E. Franklin	.....	.....	2.25	1

\* Colorado Measurements.

DISCHARGE MEASUREMENTS, SOUTH PLATTE RIVER AT  
JULESBURG, COLORADO, CHANNEL NO. 4

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-21-26	A. W. Hall	1	0.48	.....	0.6
11- 4-26	A. E. Johnston	.....	.....	.....	2
3-25-27	C. E. Franklin	23	1.10	3.30	25
4-12-27	C. E. Franklin	3	0.83	3.00	3
4-21-27	C. E. Franklin	50	1.55	3.70	78
4-29-27	C. E. Franklin	17	1.32	3.45	23
5-13-27	C. E. Franklin	.....	.....	1.90	0.5
5-17-27	*C. E. Feetham	.....	.....	2.91	1
6-17-27	*C. E. Feetham	.....	.....	2.98	4
6-30-27	C. E. Franklin	.....	.....	1.90	0.5
7- 8-27	C. E. Franklin	.....	.....	1.90	0.3
7-15-27	C. E. Franklin	.....	.....	1.90	0.3
7-19-27	*C. E. Feetham	.....	.....	2.92	0.3
7-22-27	C. E. Franklin	.....	.....	1.95	0.5
8- 6-27	C. E. Franklin	.....	.....	2.05	1.5
8-19-27	C. E. Franklin	.....	.....	2.01	0.5
9- 3-27	C. E. Franklin	.....	.....	3.05	0.5
9- 9-27	C. E. Franklin	.....	.....	2.80	0.5
9-15-27	*C. E. Feetham	.....	.....	3.13	1
9-28-27	C. E. Franklin	11	0.77	3.40	9

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DISCHARGE MEASUREMENTS, SOUTH PLATTE RIVER AT  
OGALLALA, NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-25-26	A. E. Johnston	162	2.40	2.50	389
4- 7-27	A. E. Johnston	387	2.57	3.20	906
4-19-27	A. E. Johnston	908	3.08	4.20	2794
5- 5-27	A. E. Johnston	381	2.34	2.95	895
6-15-27	A. E. Johnston	127	2.20	2.50	279
6-30-27	A. E. Johnston	65	1.46	2.00	95
7-26-27	A. E. Johnston	13	1.36	1.70	18
8- 6-27	A. E. Johnston	21	2.42	3.75	49
8-23-27	A. E. Johnston	90	1.80	2.20	162
9-14-27	A. E. Johnston	13	1.09	.....	14

DISCHARGE MEASUREMENTS OF PLATTE RIVER AT  
OVERTON, NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-21-26	A. E. Johnston	1130	2.49	1.60	2808
11-10-26	A. E. Johnston	1483	2.60	1.60	3987
1-13-27	A. W. Hall	1632	1.95	2.30	3180
3-17-27	A. W. Hall	2218	2.82	2.10	6280
4- 9-27	A. E. Johnston	1660	2.54	1.70	4222
4-15-27	A. E. Johnston	3213	3.96	2.90	12738
5- 7-27	A. E. Johnston	2231	3.15	2.15	7068
5-18-27	A. E. Johnston	2033	3.00	1.70	6098
6-10-27	A. E. Johnston	1174	2.50	1.50	2937
7- 2-27	A. E. Johnston	1149	3.76	1.70	4321
7-13-27	A. E. Johnston	1353	1.73	1.30	2347
7-21-27	A. E. Johnston	240	1.98	0.60	478
7-22-27	A. E. Johnston	159	1.77	0.42	281
8-10-27	A. E. Johnston	2446	3.30	2.50	8121
8-19-27	A. E. Johnston	1880	2.91	1.90	5479
9-12-27	A. E. Johnston	927	2.24	1.35	2070

DISCHARGE MEASUREMENTS OF PLATTE RIVER AT  
CENTRAL CITY NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
3-18-27	A. W. Hall	2429	2.79	3.30	6799
4-11-27	A. E. Johnston	1658	2.78	2.80	4629
5-12-27	A. E. Johnston	2238	3.60	3.45	8065
6- 4-27	A. E. Johnston	1321	3.04	2.60	4028
7- 7-27	A. E. Johnston	1166	2.62	2.45	3046
8-15-27	A. E. Johnston	1948	3.38	3.35	6580

## REPORT OF SECRETARY

DISCHARGE MEASUREMENTS OF PLATTE RIVER AT  
GRAND ISLAND, NEBRASKA

From September 30, 1926 to September 30, 1927

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
4-12-27	A. E. Johnston	1513	2.89	2.65	4374
5-12-27	A. E. Johnston	2443	3.38	3.00	8249
6- 3-27	A. E. Johnston	1412	2.79	2.30	3944
7- 6-27	A. E. Johnston	1166	2.76	2.30	3225
8-13-27	A. E. Johnston	2283	3.26	3.00	7462
9- 8-27	A. E. Johnston	508	2.00	1.65	1020
9-28-27	A. E. Johnston	570	2.48	2.30	2154

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
TORRINGTON, WYOMING

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-14-27	C. E. Franklin	371	2.50	1.60	931
11- 8-27	A. W. Hall	408	2.36	1.65	967
11-23-27	A. W. Hall	455	2.50	1.79	1144
12-12-27	C. E. Franklin	331	2.06	1.80	681
1-11-28	C. E. Franklin	392	2.14	1.42	818
2-11-28	A. W. Hall	336	2.14	1.50	718
3-20-28	A. W. Hall	320	2.22	1.45	710
4- 6-28	A. W. Hall	572	2.92	2.25	1670
4-20-28	A. W. Hall	501	2.15	1.50	1070
5- 3-28	A. W. Hall	616	2.76	2.25	1700
5-16-28	A. W. Hall	973	3.32	3.21	3238
5- 8-28	Paul V. Hodges			2.68	2190
5-23-28	A. W. Hall	1845	4.50	5.30	8299
6- 1-28	A. W. Hall	2421	5.18	6.35	12500
6-15-28	A. W. Hall	2084	4.59	5.89	9579
7- 6-28	A. W. Hall	979	2.38	2.45	2323
7-20-28	A. W. Hall	856	3.00	2.60	2572
8- 3-28	A. W. Hall	860	2.79	2.50	2400
8-16-28	A. W. Hall	860	2.61	2.65	2242
9- 5-28	A. W. Hall	856	2.58	2.35	2206
9-24-28	A. W. Hall	737.9	2.56	2.18	1889

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
STATE LINE, ABOVE MITCHELL DIVERSION WORKS

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
3-21-28	A. W. Hall	352	2.29		806

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER BELOW  
TRI STATE WASTE

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
9-10-28	A. W. Hall	351	1.93		677
9-24-28	A. W. Hall	180	1.48		266.7

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER BELOW  
TRI STATE NEEDLE DAM

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
8-23-28	A. W. Hall	164.6	2.92		481

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DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
MITCHELL, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-18-27	C. E. Franklin	1362	2.76	2.55	3761
11- 8-27	A. W. Hall	679	2.32	1.45	1645
11-22-27	A. W. Hall	728	2.25	1.60	1636
2-10-28	A. W. Hall	547	2.00	1.40	1091
3-19-28	A. W. Hall	501	1.97	1.30	988
4- 6-28	A. W. Hall	851	2.31	1.75	1972
4-18-28	A. W. Hall	530	2.08	1.35	1123
5- 4-28	A. W. Hall	742	2.17	1.55	1612
5-17-28	A. W. Hall	946	2.57	1.95	2430
5-24-28	A. W. Hall	1975	3.19	3.55	6278
6- 2-28	A. W. Hall	2683	3.50	4.13	9581
6- 7-28	A. W. Hall	3328	3.97	4.70	13347
6-15-28	A. W. Hall			3.80	9515
6-30-28	A. W. Hall	1646	2.76	2.65	4547
7- 6-28	A. W. Hall	753	2.20	1.60	1661
7-14-28	A. W. Hall	473	2.10	1.20	995
7-20-28	A. W. Hall	688	2.06	1.35	1412
8- 3-28	A. W. Hall	862	2.06	1.50	1776
8-15-28	A. W. Hall	539	1.88	1.18	1014
9- 6-28	A. W. Hall	546	2.07	1.20	1130
9-25-28	A. W. Hall	481	1.96	1.10	944

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
MELBETA, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10- 8-27	C. E. Franklin	942	2.42	1.38	2393
10-19-27	C. E. Franklin	1218	2.61	1.73	3178
11- 5-27	A. W. Hall	699	2.05	1.20	1451
11-22-27	A. W. Hall	755	2.27	1.35	1718
12- 5-27	A. W. Hall	778	2.06	1.30	1603
1-31-28	C. E. Franklin	511	2.00	1.60	1067
2-19-28	C. E. Franklin	645	1.93	1.22	1240
3- 6-28	C. E. Franklin	567	1.91	1.25	1083
3-17-28	A. W. Hall	717	1.97	1.25	1410
4- 5-28	A. W. Hall	952	2.42	1.55	2397
4-14-28	A. W. Hall	748	1.89	1.40	1415
4-18-28	A. W. Hall	660	1.89	1.20	1247
4-22-28	C. E. Franklin	566	1.76	1.20	1144
5- 1-28	A. W. Hall	678	2.06	1.35	1398
5-19-28	A. W. Hall	1227	2.66	1.96	3222
5-25-28	A. W. Hall	2003	3.50	3.10	7016
6- 2-28	A. W. Hall	2928	3.81	3.50	11187
6- 4-28	C. E. Franklin	3139	4.25	3.82	13371
6- 6-28	A. W. Hall	3453	4.25	4.20	14691
6-14-28	A. W. Hall	2901	3.75	3.45	10509
7- 5-28	A. W. Hall	1372	2.63	1.80	3610
7-13-28	A. W. Hall	530	1.84	0.77	976
8- 6-28	A. W. Hall	1004	2.20	1.28	2210
8-24-28	A. W. Hall	608	2.10	0.90	1275
9-11-28	A. W. Hall	687	2.15	1.00	1479
9-26-28	A. W. Hall	735	2.00	1.10	1469

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DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
BRIDGEPORT, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-10-27	A. E. Johnston	1338	2.73	6.40	3660
11- 4-27	A. W. Hall	936	2.28	5.87	2183
11-27-27	A. W. Hall	934	2.35	6.00	2188
1-12-28	Hall & Johnston	1085	2.16	6.70	2326
2- 6-28	Hall & Johnston	918	1.71	6.25	1575
2-14-28	A. W. Hall	741	2.11	6.95	1565
3- 3-28	A. E. Johnston	609	2.60	5.90	1585
3-23-28	A. W. Hall	770	1.97	5.95	1514
4-14-28	A. W. Hall	812	2.25	6.00	1828
4-24-28	A. W. Hall	634	1.94	5.85	1237
4-30-28	A. W. Hall	605	1.70	5.77	1032
5- 7-28	A. W. Hall	1681	2.45	6.70	4110
5-26-28	A. W. Hall	2549	2.78	7.30	7093
5-31-28	A. W. Hall	2938	3.15	7.55	9270
6- 5-28	A. W. Hall	3366	3.84	8.08	12954
6-28-28	A. W. Hall	2541	2.61	6.80	6642
7- 2-28	A. W. Hall	2113	2.64	6.55	5616
7- 9-28	A. W. Hall	996	2.18	5.50	2178
7-17-28	A. W. Hall	641	1.97	5.30	1262
7-27-28	A. W. Hall	1358	2.32	6.10	3155
8- 7-28	A. W. Hall	933	2.56	5.80	2387
9- 8-28	A. E. Johnston	685	2.02	5.55	1388
8-18-28	A. W. Hall	491	.....	5.42	1194
9-29-28	A. W. Hall	802	1.98	5.70	1584

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
LEWELLEN, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
2-29-28	A. E. Johnston	1096	2.73	3.05	2899
3- 6-28	A. E. Johnston	1142	2.74	2.90	3121
3-28-28	A. E. Johnston	1023	2.60	2.70	2662
4-26-28	A. E. Johnston	711	2.41	2.30	1713

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
OSHKOSH, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
4-28-28	A. E. Johnston	757	2.02	1.60	1524
6- 1-28	A. E. Johnston	2439	3.60	3.05	8792
6- 6-28	A. E. Johnston	3156	4.30	3.05	13598
6-29-28	A. E. Johnston	1957	3.10	2.45	6069
7-10-28	A. W. Hall	928	2.26	1.19	2008
7-20-28	A. E. Johnston	1097	2.70	1.75	2959
7-24-28	A. E. Johnston	1299	2.69	1.95	3499
8-11-28	A. E. Johnston	862	2.09	1.40	1805
8-20-28	A. E. Johnston	551	1.99	1.20	1099
8-25-28	A. E. Johnston	554	2.18	1.25	1208
8-27-28	A. E. Johnston			1.35	
9- 5-28	A. E. Johnston	881	2.19	1.60	1938
9-19-28	A. E. Johnston	841	2.35	1.65	1977

## DEPARTMENT OF PUBLIC WORKS

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DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
LEMOYNE, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10- 7-27	A. E. Johnston	1817	2.25	2.30	4098
10-12-27	A. E. Johnston	1824	2.29	2.31	4183
10-28-27	A. E. Johnston	1605	2.02	2.07	3227
11-17-27	A. E. Johnston	1456	2.01	2.16	2930
11-27-27	A. E. Johnston	1500	2.04	1.95	3061

DISCHARGE MEASUREMENTS OF NORTH PLATTE RIVER AT  
NORTH PLATTE, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10- 5-27	A. E. Johnston	1831	3.18	4.12	5831
10-18-27	A. E. Johnston	1197	2.82	3.60	3375
10-27-27	A. E. Johnston	1224	2.57	3.55	3155
11-15-27	A. E. Johnston	1082	2.99	3.50	3220
11-28-27	A. E. Johnston	1324	2.44	3.65	3233
12- 9-27	A. E. Johnston	890	1.27	3.80	1133
1-24-28	A. E. Johnston	1088	2.27	4.00	2469
2- 8-28	C. E. Franklin	1536	2.38	4.40	3673
2-27-28	A. E. Johnston	798	2.81	3.40	2253
3- 8-28	A. E. Johnston	1307	2.82	3.70	3637
3-26-28	A. E. Johnston	1029	2.28	3.40	2356
4-23-28	A. E. Johnston	904	2.58	3.35	2312
5-26-28	A. E. Johnston	1794	2.89	4.10	5192
5-28-28	A. E. Johnston	2303	3.14	4.50	7249
6- 9-28	A. E. Johnston	3764	4.14	5.40	15594
6-26-28	A. E. Johnston	2074	3.03	4.10	6275
7-17-28	A. E. Johnston	858	2.53	2.80	2170
7-27-28	A. E. Johnston	1373	2.88	3.50	3973
8- 8-28	A. E. Johnston	1327	2.66	3.45	3541
8-22-28	A. E. Johnston	368	1.97	2.30	726
8-25-28	A. E. Johnston	547	1.88	2.65	1031
8-29-28	A. E. Johnston	461	2.04	2.70	943
9- 3-28	A. E. Johnston	667	2.04	2.90	1363
9-10-28	A. E. Johnston	807	2.18	3.04	1765
9-15-28	A. E. Johnston	774	2.24	3.00	1735

## REPORT OF SECRETARY

DISCHARGE MEASUREMENTS OF SOUTH PLATTE RIVER AT  
NORTH PLATTE, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10- 5-27	A. E. Johnston	136	1.42	2.15	194
10-18-27	A. E. Johnston	143	1.80	2.20	247
10-27-27	A. E. Johnston	132	1.66	2.20	219
11-15-27	A. E. Johnston	126	0.98	2.20	125
11-28-27	A. E. Johnston	211	1.83	2.25	385
12- 9-27	A. E. Johnston				Frozen
1-10-28	A. E. Johnston			3.20	Frozen
1-24-28	A. E. Johnston	337	1.24	3.15	429
2- 1-28	A. E. Johnston			3.30	
2- 9-28	C. E. Franklin	407	1.66	3.10	678
2-27-28	A. E. Johnston	106	3.57	2.70	377
3- 8-28	A. E. Johnston	350	2.23	2.50	780
3-26-28	A. E. Johnston	160	3.16	2.45	500
5-25-28	A. E. Johnston	271	1.78	2.30	484
6- 9-28	A. E. Johnston	670	2.06	2.85	1380
6-26-28	A. E. Johnston	605	2.19	2.75	1546
7-18-28	A. E. Johnston	314	1.80	2.30	569
7-27-28	A. E. Johnston	610	2.20	2.75	1345
8- 8-28	A. E. Johnston	447		2.50	964
8-22-28	A. E. Johnston			1.40	20 Est.
8-29-28	A. E. Johnston			1.30	5 Est.
9-15-28	A. E. Johnston			1.20	5 Est.

DISCHARGE MEASUREMENTS OF SOUTH PLATTE RIVER AT  
JULESBURG, COLO. CHANNEL 1

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
11- 2-27	C. E. Franklin	61.7	2.08	1.75	128.8
11-26-27	C. E. Franklin	57.9	2.01	1.65	116.8
12-19-27	C. E. Franklin	23.0	0.85	1.60	19.6
1-20-28	C. E. Franklin	7.8	1.09	1.50	13
2-15-28	C. E. Franklin	57.9	2.38	1.75	138
3- 3-28	C. E. Franklin	101	2.30	2.20	236
3-20-28	C. E. Franklin	91	2.33	2.04	213
4- 8-28	C. E. Franklin	23	1.66	1.20	38
4-17-28	C. E. Franklin	16	1.59	1.20	26
5- 8-28	C. E. Franklin	12	1.37	1.09	16
5-15-28	C. E. Franklin	32	1.61	1.43	51
5-25-28	C. E. Franklin	80	2.02	2.01	173
6-15-28	C. E. Franklin	201	2.72	2.80	546
7- 7-28	C. E. Franklin	129	2.60	2.60	336
7-25-28	C. E. Franklin	163	2.52	2.43	412
8-13-28	C. E. Franklin	41	1.67	1.40	69
8-25-28	C. E. Franklin	8	1.46	0.96	12
9- 6-28	C. E. Franklin	8	1.57	0.95	13
9-19-28	C. E. Franklin	8	1.77	0.95	14
9-29-28	C. E. Franklin	8.1	1.60	0.93	13
10-22-28	*C. E. Feetham	.....	.....	1.65	108



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DISCHARGE MEASUREMENTS OF SOUTH PLATTE RIVER AT  
JULESBURG, COLO. CHANNEL 2

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-22-27	*C. E. Feetham	.....	.....	2.24	224
11- 2-27	C. E. Franklin	98	1.91	2.18	186
11-26-27	C. E. Franklin	99	2.26	2.22	222
12-19-27	C. E. Franklin	112	1.81	3.15	204
1-20-28	C. E. Franklin	147	2.85	2.50	419
2-15-28	C. E. Franklin	173	1.46	2.30	253
3- 3-28	C. E. Franklin	198	2.44	2.86	482
3-20-28	C. E. Franklin	150	2.24	2.50	357
4- 8-28	C. E. Franklin	20	1.45	1.32	29
4-17-28	C. E. Franklin	15	1.52	1.35	24
5- 8-28	C. E. Franklin	8	1.12	1.17	9
5-15-28	C. E. Franklin	49	1.96	1.75	96
5-25-28	C. E. Franklin	150	2.24	2.40	356
6-16-28	C. E. Franklin	449	2.44	3.53	1098
7- 7-28	C. E. Franklin	224	2.54	2.85	568
7-25-28	C. E. Franklin	335	1.85	3.04	810
8-13-28	C. E. Franklin	75	1.78	1.74	133
8-25-28	C. E. Franklin	8	1.56	1.11	13
9- 6-28	C. E. Franklin	7	1.90	1.10	14
9-19-28	C. E. Franklin	10.4	1.22	1.14	12.7
9-29-28	C. E. Franklin	7.8	1.92	1.13	15

\* Colorado Measurements.

DISCHARGE MEASUREMENTS OF SOUTH PLATTE RIVER AT  
JULESBURG, COLO. CHANNEL 3

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-22-27	*C. E. Feetham	.....	.....	2.77	20
11- 1-27	C. E. Franklin	13	1.80	2.60	24
11-26-27	C. E. Franklin	17	1.41	2.63	24
12-19-27	C. E. Franklin	10	0.52	3.10	56
1-20-28	C. E. Franklin	.....	.....	2.30	2.5 Est
2-15-28	C. E. Franklin	15	1.63	2.65	24
3- 3-28	C. E. Franklin	34	1.93	3.20	67
3-20-28	C. E. Franklin	12.7	1.83	2.70	23
4- 8-28	C. E. Franklin	.....	.....	2.00	0.2 Est
4-17-28	C. E. Franklin	.....	.....	2.05	0.2 Est
5- 8-28	C. E. Franklin	.....	.....	2.05	0.1 Est
5-15-28	C. E. Franklin	.....	.....	2.08	0.5 Est
5-25-28	C. E. Franklin	.....	.....	2.10	0.5 Est
6-17-28	C. E. Franklin	93	2.28	3.45	212
7- 7-28	C. E. Franklin	30	1.80	3.05	56
7-25-28	C. E. Franklin	39	2.12	3.07	83
8-13-28	C. E. Franklin	.....	.....	2.00	0
8-25-28	C. E. Franklin	.....	.....	1.90	0
9- 6-28	C. E. Franklin	.....	.....	1.85	0
9-19-28	C. E. Franklin	.....	.....	2.00	0
9-29-28	C. E. Franklin	.....	.....	2.06	0

## REPORT OF SECRETARY

DISCHARGE MEASUREMENTS OF SOUTH PLATTE RIVER AT  
JULESBURG, COLO. CHANNEL 4

From September 30, 1927 to September 30, 1928					
Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-22-27	*C. E. Feetham	.....	.....	3.15	2.6
11- 2-27	C. E. Franklin	.....	.....	3.00	1.0 Est
11-26-27	C. E. Franklin	.....	.....	3.03	1.0 Est
12-19-27	C. E. Franklin	.....	.....	.....	Frozen
1-20-28	C. E. Franklin	.....	.....	3.20	0.5 Est
2-15-28	C. E. Franklin	.....	.....	3.00	0.5 Est
3- 3-28	C. E. Franklin	.....	.....	.....	1.5 Est
3-20-28	C. E. Franklin	.....	.....	2.90	1.0 Est
4- 8-28	C. E. Franklin	.....	.....	.....	0.2 Est
4-17-28	C. E. Franklin	.....	.....	3.10	0.2 Est
5- 8-28	C. E. Franklin	.....	.....	3.00	0.5 Est
5-15-28	C. E. Franklin	.....	.....	3.20	2.5 Est
5-25-28	C. E. Franklin	8.2	2.02	3.40	16.6
6-17-28	C. E. Franklin	59	1.37	.....	81
7- 7-28	C. E. Franklin	22	1.61	3.68	35
7-25-28	C. E. Franklin	16	1.37	3.57	22
8-13-28	C. E. Franklin	.....	.....	2.84	.0
8-25-28	C. E. Franklin	.....	.....	2.85	0.4 Est
9- 6-28	C. E. Franklin	.....	.....	2.90	0.5 Est
9-19-28	C. E. Franklin	.....	.....	2.85	0.2 Est
9-29-28	C. E. Franklin	.....	.....	2.95	1.0 Est

\*Colorado Measurements.

DISCHARGE MEASUREMENTS OF SOUTH PLATTE RIVER AT  
OGALLALA, NEBRASKA

From September 30, 1927 to September 30, 1928					
Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10- 6-27	A. E. Johnston	276	2.07	2.95	557
11-16-27	A. E. Johnston	207	2.25	2.70	466
11-26-27	A. E. Johnston	203	2.43	2.75	493
1-23-28	A. E. Johnston	138	2.42	3.00	335
2- 2-28	A. E. Johnston	411	2.16	3.40	892
2-28-28	A. E. Johnston	490	2.05	3.30	1331
3- 7-28	A. E. Johnston	332	2.40	2.95	794
3-27-28	A. E. Johnston	146	2.70	2.70	396
4-24-28	A. E. Johnston	32	1.33	2.00	43
5-31-28	A. E. Johnston	135	1.86	2.50	251
6- 8-28	A. E. Johnston	873	2.92	4.30	2554
6-28-28	A. E. Johnston	550	2.86	3.35	1570
7-19-28	A. E. Johnston	137	2.53	2.40	347
7-25-28	A. E. Johnston	523	3.66	3.40	1395
8- 9-28	A. E. Johnston	366	2.28	2.85	837
8-28-28	A. E. Johnston	24.0	.....	1.70	34.7
9- 4-28	A. E. Johnston	23.1	1.37	1.60	32.7
9-18-28	A. E. Johnston	23.7	1.37	1.55	17.5

DISCHARGE MEASUREMENTS OF PLATTE RIVER SOUTH OF  
KEARNEY, NEBRASKA

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
8-31-28	A. E. Johnston	.....	.....	.....	0

DISCHARGE MEASUREMENTS OF PLATTE RIVER SOUTH OF  
GOTHENBURG, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
8-23-28	A. E. Johnston	293	1.89	1.45	557
8-24-28	A. E. Johnston	288	2.30	1.60	665
8-30-28	A. E. Johnston	283	1.86	1.15	528
8-31-28	A. E. Johnston	325	1.76	1.15	573
9- 1-28	A. E. Johnston	.....	.....	1.25	.....

DISCHARGE MEASUREMENTS OF PLATTE RIVER SOUTH OF  
COZAD NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
8-23-28	A. E. Johnston	35.3	1.77	.....	63
8-24-28	A. E. Johnston	27.4	1.12	.....	31

DISCHARGE MEASUREMENTS OF PLATTE RIVER SOUTH OF  
ELM, CREEK, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
8-30-28	A. E. Johnston	11.9	0.91	.....	10.8

DISCHARGE MEASUREMENTS OF PLATTE RIVER AT  
OVERTON, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10- 3-27	A. E. Johnston	1295	2.45	1.60	3166
10-19-27	A. E. Johnston	1208	3.18	1.65	3838
10-26-27	A. E. Johnston	1786	2.28	1.75	4095
11-14-27	A. E. Johnston	1325	2.61	1.70	3476
11-29-27	A. E. Johnston	1511	2.42	1.75	3676
12- 8-27	A. E. Johnston	.....	.....	2.05	Ice
1- 9-28	A. E. Johnston	.....	.....	2.50	Frozen
1-31-28	A. E. Johnston	.....	.....	2.65	Frozen
2-24-28	A. E. Johnston	.....	.....	2.80	Frozen
3-10-28	A. E. Johnston	1806	2.74	1.95	4954
3-23-28	A. E. Johnston	1499	2.54	1.70	3820
4-20-28	A. E. Johnston	1150	2.20	1.50	2535
5-24-28	A. E. Johnston	1737	2.46	2.10	4217
5-28-28	A. E. Johnston	2319	2.80	2.60	6476
6-12-28	A. E. Johnston	5150	4.06	3.70	20641
6-23-28	A. E. Johnston	3840	3.63	2.65	13927
7-16-28	A. E. Johnston	106	2.35	0.75	2491
7-30-28	A. E. Johnston	2164	3.06	2.10	6609
8- 6-28	A. E. Johnston	1792	2.75	1.70	4913
9-13-28	A. E. Johnston	564	2.00	2.65	1184

## REPORT OF SECRETARY

DISCHARGE MEASUREMENTS OF PLATTE RIVER AT  
GRAND ISLAND, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
10-22-27	A. E. Johnston	1150	2.66	2.40	3057
11-10-27	A. E. Johnston	1156	2.70	2.40	3153
12- 2-27	A. E. Johnston	1538	2.50	2.50	3836
1- 7-28	A. E. Johnston	.....	.....	3.70	Frozen
1-30-28	A. E. Johnston	.....	.....	3.50	Frozen
2-16-28	A. E. Johnston	1310	3.69	2.90	4836
2-23-28	A. E. Johnston	.....	.....	4.75	Frozen
3-15-28	A. E. Johnston	1322	2.94	2.40	3896
4-11-28	A. E. Johnston	1065	2.37	2.20	2542
5-18-28	A. E. Johnston	1337	2.74	2.60	3675
6-13-28	A. E. Johnston	4029	4.95	4.30	19945

DISCHARGE MEASUREMENTS OF PLATTE RIVER AT  
COLUMBUS, NEBRASKA

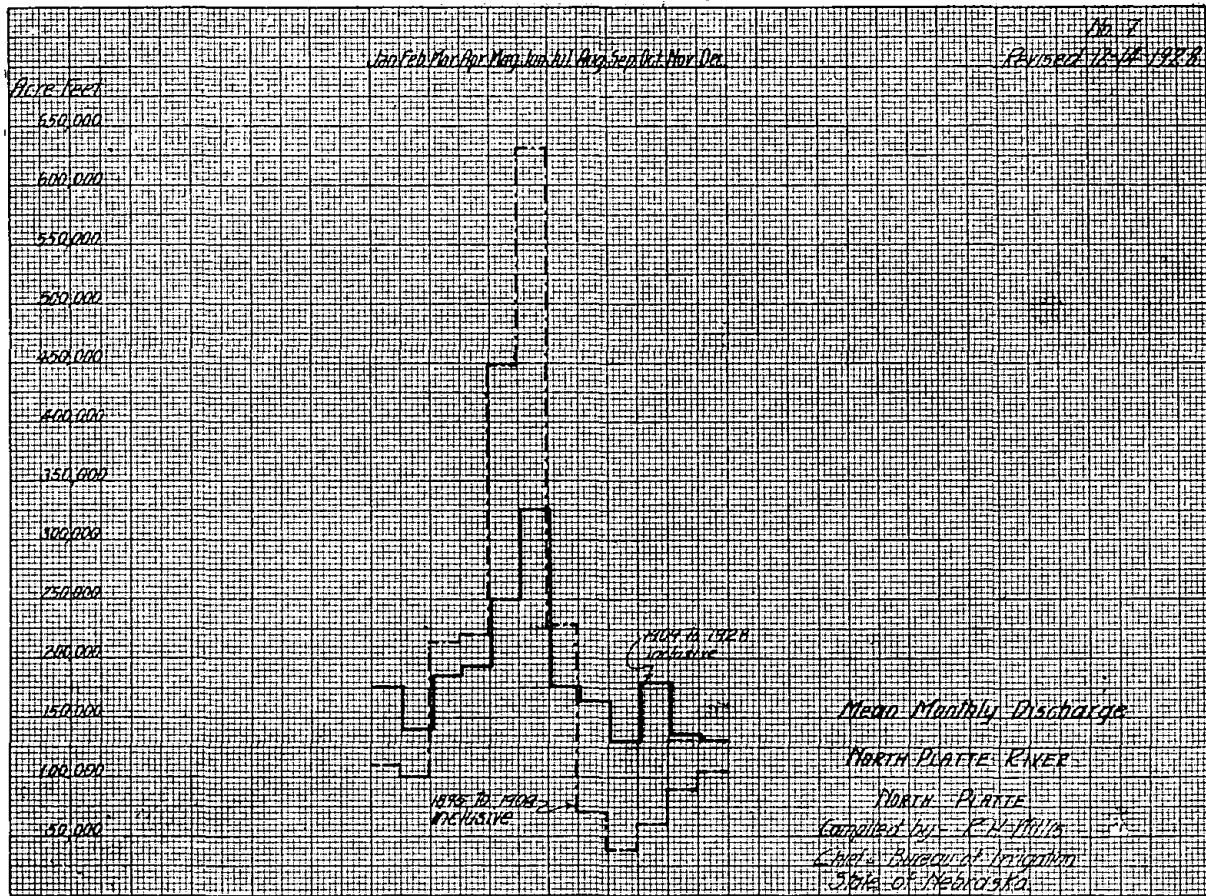
From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
6-16-28	A. E. Johnston	5381	3.36	5.85	18120
7-12-28	A. E. Johnston	2772	2.26	4.40	6270
8- 1-28	A. E. Johnston	2046	.....	3.95	4327

DISCHARGE MEASUREMENTS OF PLATTE RIVER SOUTH OF  
FREMONT, NEBRASKA

From September 30, 1927 to September 30, 1928

Date	Hydrographer	Area	Velocity	Gage	Sec. Ft.
2-21-28	A. E. Johnston	1410	2.98	.....	4208
3-17-28	A. E. Johnston	2575	3.20	3.60	8229
4-12-28	A. E. Johnston	1973	3.20	3.15	6318
5-12-28	A. E. Johnston	1476	2.34	3.00	3474
6-18-28	A. E. Johnston	5229	3.85	4.85	20374
7-13-28	A. E. Johnston	2301	2.96	3.65	7095
8- 2-28	A. E. Johnston	2487	.....	3.35	6890



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VISIBLE RETURN FLOW: IN ACRE FEET, BY MONTHS, FOR THE YEAR 1926 IN THE NORTH PLATTE VALLEY, TORRINGTON, WYOMING, TO BRIDGEPORT, NEBRASKA

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
* Arnold Drain.....	563	622	369	416	379	496	1180	1204	1071	777	892	922	8831
Bayard Sugar Factory Drain.....	2890	2443	2336	1964	1910	2499	3745	3878	4165	4304	3392	3443	36969
Camp Clark Seep.....	369	167	123	178	119	119	395	859	952	799	357	369	4806
*Cherry Creek Drain.....	NR	NR	246	178	815	1983	2269	2696	2975	1002	535	553	13252
Fairfield Seep.....	307	222	184	178	102	278	722	861	298	430	119	123	3824
Fanning Seep.....	NR	452	492	476	288	595	412	960	416	492	654	307	5534
Gering Drain.....	738	611	369	416	3362	3689	4223	4120	2261	5236	1250	1230	27505
Horse Creek.....	3689	3721	1725	952	6569	15749	15096	14438	16899	5339	2975	3074	90226
Indian Creek Drain.....	553	444	369	357	1120	1100	1196	1862	3154	1107	972	861	13995
*Katzer Drain.....	NR	NR	246	297	1182	992	1353	2140	2142	553	416	246	9567
Morrill Drain.....	NR	111	184	298	61	99	61	184	178	246	238	246	1846
Melbeta Seep.....	307	333	246	178	87	199	30	0	357	307	297	307	2558
Mitchell Spillway.....	922	833	553	773	10391	5355	2465	0	8727	1823	1487	1537	34866
Red Willow Creek.....	3320	2836	2213	2023	5092	10374	4608	3457	10770	7624	3451	3777	59325
Scottsbluff Drain.....	615	500	492	714	591	1071	1384	1269	1130	1428	535	553	10282
Sheep Creek.....	4919	3888	2951	5422	4850	1745	1130	615	595	6403	5177	5226	42021
Stewarts Drain.....	61	55	61	60	61	119	24	61	119	61	60	61	803
Snell-Nine Mile Drain.....	6825	6440	5103	6248	6014	7855	10832	12282	13329	10074	7736	7379	100117
Dry Spotted Tail.....	1107	1555	922	1250	1670	2836	3602	6244	4041	3423	2083	2519	31852
Spotted Tail-Kronberg Seep....	739	666	738	535	595	714	658	875	595	799	714	738	8426
Tub Springs.....	2521	1944	1722	1785	1686	3808	1236	1146	2440	3293	1904	2460	25945
Toohy Drain.....	246	222	184	178	103	79	329	496	357	347	297	369	3207
Toohy Spillway.....	1168	777	1167	773	1083	397	0	0	0	1164	1011	1045	8255
Winters Creek.....	4611	3388	3443	3332	1790	3947	5280	1806	4879	6419	5993	3382	47780
Wild Horse Drain.....	2582	2444	2071	1547	1253	3600	2753	5425	4403	4635	3273	3074	37220
Total.....	39652	34674	28449	29569	51183	69588	64983	66868	86913	68085	45418	43601	628441

Total Acre Feet 628,441.

\*West of Wyoming-Nebraska State Line.

Average flow May to September inclusive 1120 second feet.

Average flow, twelve months approximately 868 second feet.

VISIBLE RETURN FLOW, IN ACRE FEET, BY MONTHS, FOR THE YEAR 1927 IN THE NORTH PLATTE VALLEY WYOMING-NEBRASKA STATE LINE TO BRIDGEPORT

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Bayard Sugar Factory Drain.....	3136	2555	3045	3600	2613	2490	3900	3984	3570	3505	3080	2450	37907
Camp Clark Seep.....	285	222	123	178	184	178	307	799	1488	753	426	369	6112
Fairfield Seep.....	369	389	492	1547	405	238	246	611	297	184	178	61	5017
Fanning Seep.....	395	587	448	357	615	357	553	1138	714	615	555	553	6887
Gering Drain.....	684	666	922	1170	1680	220	2828	5336	3868	2336	1547	1291	22548
Horse Creek.....	3066	4599	2663	5416	13172	12498	29427	26015	17851	8731	10086	3197	136721
Indian Creek.....	506	833	863	575	2582	2975	492	2336	4760	1666	496	553	18637
Katzner Drain.....	222	222	258	551	970	1666	1230	3193	2152	892	387	184	11927
Melbeta - Seep.....	325	167	246	535	242	119	238	307	297	492	535	430	3933
Morrill Drain.....	0	0	0	0	51	59	0	333	119	141	119	0	822
Mitchel Spillway.....	307	278	278	1130	2646	10165	3372	5455	1240	1107	833	892	27703
Red Willow Drain.....	2874	2444	2376	2924	6303	5986	2751	7658	4957	4796	3590	3259	49918
Scottsbluff Drain.....	492	722	1353	773	369	357	861	1497	1190	1107	734	676	10131
Sheep Creek.....	5534	4732	5406	5128	4712	416	1045	2041	535	5964	5742	4550	45895
Stewarts Drain.....	184	166	151	178	83	357	123	198	119	123	119	123	1924
Snell-Nine Mile Drain.....	7382	7498	7599	10126	7561	6664	8977	15003	13691	13466	10484	8777	116628
Spotted Tail (Dry).....	2346	1833	1876	2499	1813	2683	4365	7216	3273	2890	2780	2029	34603
Spotted Tail-Kronberg.....	738	555	712	714	668	714	738	1551	1190	863	1041	662	10136
Tub Springs.....	2448	1722	2301	2559	1337	4582	3443	5685	3094	4487	3262	3874	38894
Toohy Drain.....	369	248	145	654	151	238	246	397	416	369	268	246	3747
Toohy Spillway.....	728	970	984	952	704	0	0	0	0	1609	952	1783	8682
Winters Creek.....	3260	2332	3174	3987	3752	5474	1068	5837	5474	5767	5148	2938	50111
Wild Horse.....	2637	1888	2210	2204	1997	2856	4932	10835	7566	4366	3887	3320	48118
* Total.....	38078	36877	37870	48662	53263	61677	72399	108583	77790	66546	56425	42656	696001
Arnold Drain.....	246	168	807	496	470	873	799	1125	893	922	803	492	8694
Cherry Creek.....	1107	1438	613	1011	1138	1071	1476	2057	2380	675	386	369	13661
Lincoln County Drain.....	3443	2499	3197	3709	3828	5097	6964	6649	5653	4939	4205	3765	53948
Silvernail Drain.....	331	249	245	245	663	985	357	1158	529	517	476	430	6185
** Grand Total.....	43163	41231	42732	53523	61362	69703	81995	119572	87245	73539	62295	47712	777880

\* Total visible return flow in acre feet between the State Line and Bridgeport, 696,001 Acre Feet.

\* Average daily flow May to September inclusive, 1239 Second Feet.

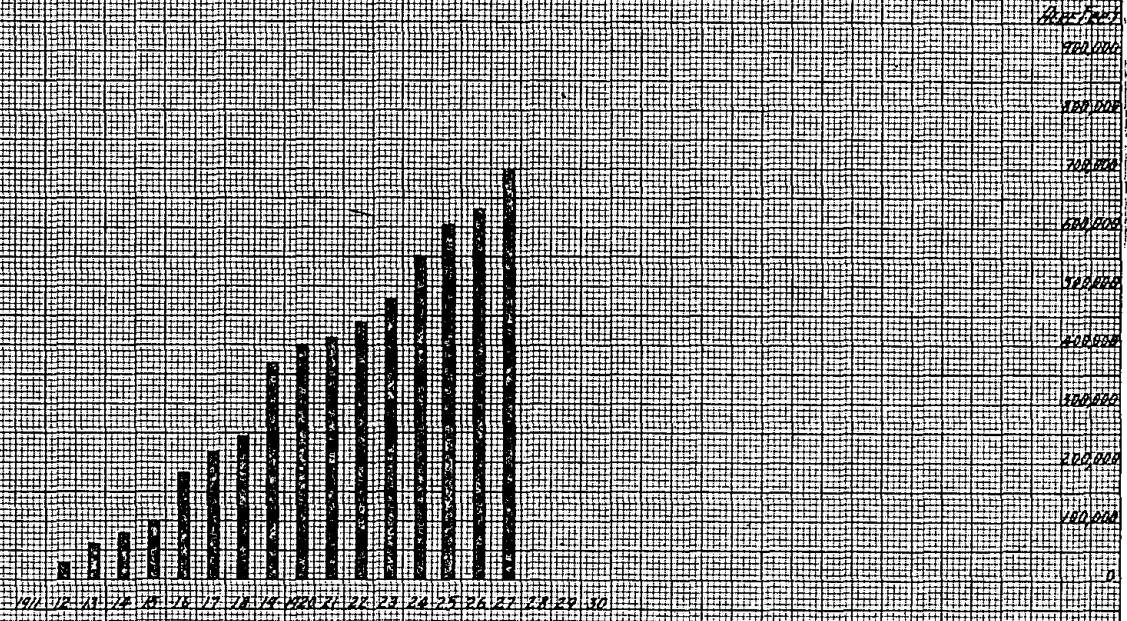
\* Average daily flow for the twelve months, 924 Second Feet.

\*\* Total between Whalen, Wyoming, and North Platte, Nebraska.

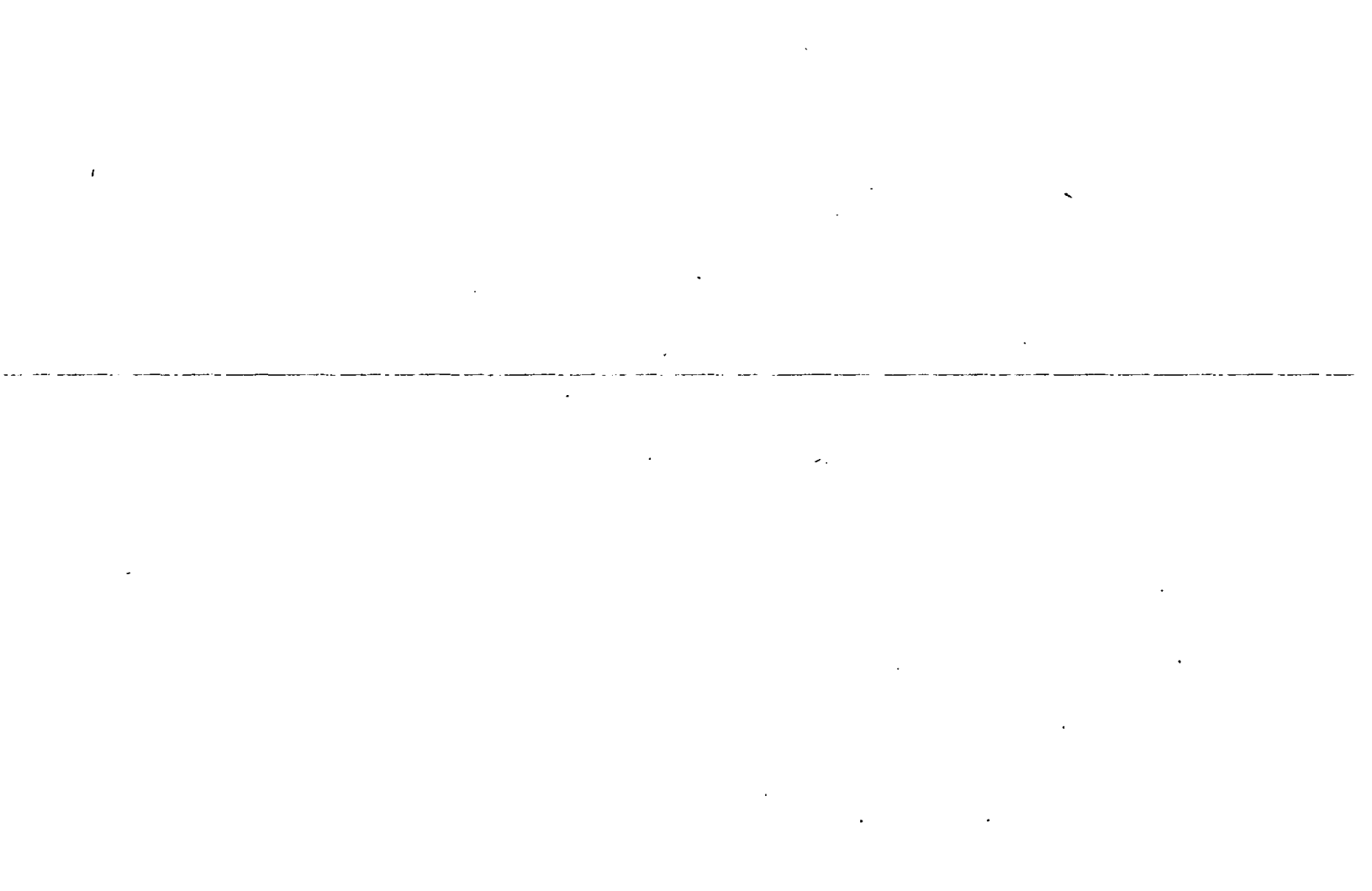


No. 1  
 REVISED  
 Feb. 29 - 1922

WISCONSIN AC POWER FLOW  
 IN  
 NORTH PLATTE VALLEY  
 BETWEEN  
 WISCONSIN STATE LINE & RIVERPORT  
 IN 1920  
 COMPILED BY R. H. WILSON  
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 WISCONSIN



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DEPARTMENT OF PUBLIC WORKS

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PATHFINDER STORAGE RESERVOIR

Daily Contents in Acre Feet

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	399770	433540	455760	453370	456090	472220	518330	669330	1046720	1119360	869850	660370
2	400850	434590	457620	453040	456420	472000	522080	679810	1050190	1118170	861030	652250
3	401930	435640	459180	458710	456750	471770	525800	691530	1054900	1116280	854710	644910
4	403310	436690	461350	458380	457070	472780	530540	708890	1058720	1112490	847700	637370
5	404700	437750	463220	458050	457400	473790	535790	715810	1063670	1108460	840050	630150
6	406070	438810	464320	457730	457730	475360	541200	726590	1068190	1102130	832290	622710
7	407450	439760	465420	457400	458160	476930	546790	737200	1074070	1096090	825100	615080
8	408780	440720	466520	457070	458000	478510	551130	747740	1079940	1091730	817400	607440
9	410080	441670	467640	457180	459040	479870	555530	757910	1083110	1086280	809560	600270
10	411280	442620	468750	457290	459480	481120	560080	769380	1086740	1078810	802170	592880
11	412480	443580	469870	457070	460030	482120	564630	781170	1092190	1071580	795000	585550
12	413680	444540	466420	456850	460580	484080	572630	792930	1097240	1064370	787190	578140
13	414880	445510	466420	456640	461130	485450	579080	802000	1103530	1056920	780180	570170
14	416080	446900	466090	456420	461680	488020	585550	812700	1100400	1047950	772610	564260
15	417190	448300	465540	456200	462230	488190	592060	824380	1105330	1039030	766840	557480
16	418400	449700	464980	456090	463000	489570	598480	835780	1121490	1029070	759250	550740
17	419410	451100	464430	455980	463880	490960	601370	851750	1127930	1100420	752890	543950
18	420420	451920	463880	455870	464760	491770	605120	865710	1131750	1099640	748240	548700
19	421440	451540	463330	455760	465650	492580	606880	882760	1134160	1099620	743110	543870
20	422460	451750	462780	455660	466530	493160	609660	900250	1134880	1098500	738170	545140
21	423480	451970	462460	455660	467420	494660	612440	918410	1135360	1097830	733260	541200
22	424500	452180	462340	455660	468310	496210	615220	935440	1135120	1098060	727780	536920
23	425530	452400	462120	455660	469200	497840	618020	951920	1133920	1098760	721420	532790
24	426560	452620	461900	455660	470090	499490	621140	968670	1133080	1098000	714530	527040
25	427600	452830	461680	455660	470980	501150	624430	985890	1127930	1097860	707840	519870
26	428640	453050	461350	455550	471880	502690	627800	1000380	1125300	1098900	701220	511690
27	429680	453260	461020	455440	472440	504240	632600	1012240	1123150	1108160	694800	506270
28	430620	453480	460690	455330	472440	506150	639410	1020950	1121730	1108340	688580	501860
29	431240	453700	460360	455330	.....	508430	648570	1026430	1121020	1098760	682410	502810
30	431870	453910	460030	455350	.....	511560	658300	1034150	1120780	1098090	675380	504360
31	432490	.....	459700	455760	.....	514720	.....	1040140	.....	1098080	667980	.....

Reported by United States Bureau of Reclamation.

PATHFINDER STORAGE RESERVOIR

Daily Contents in Acre Feet

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	506150	555010	609110	626570	637510	667530	781170	904230	1169255	1116990	951715	666780
2	507950	557350	610220	626720	638530	668430	786650	909390	1170520	1116010	943745	655780
3	509690	559690	611330	626860	639540	669330	792040	917620	1173000	1114420	936640	644765
4	511320	561510	612440	627000	640550	670290	797450	926990	1172500	1113430	927790	636310
5	513020	563850	613550	627150	641720	671440	802870	936700	1171760	1111300	920000	623715
6	514840	565570	614670	627290	642880	672500	808320	946670	1170780	1109640	911290	614665
7	516550	567810	615780	627430	644040	673560	813830	955710	1169340	1109170	904230	605780
8	518390	570050	616900	627430	645200	674620	819010	965670	1168570	1108520	896240	596570
9	520240	572430	618020	627580	646370	675680	824490	974980	1167930	1107940	888220	587450
10	521590	574810	619150	627720	647540	676750	829530	983450	1167010	1107300	880460	578270
11	522950	577070	619860	627720	648720	678740	827790	1010070	1141630	1101900	872690	569390
12	524310	579210	620570	627860	649890	680730	829950	1029590	1139460	1100270	864580	560210
13	525680	581100	621280	628000	651070	682720	832550	1058720	1138250	1098310	856570	550740
14	527040	582720	621860	628150	652250	684720	835710	1069775	1136570	1098380	848440	541580
15	528070	584740	622570	628300	653420	686730	838600	1080925	1134640	1097135	840230	532575
16	529290	586770	623290	629010	654600	688740	841480	1104700	1132230	1097000	831750	522580
17	530540	588800	624000	629580	655780	690750	844400	1116610	1129125	1096230	823490	513140
18	531920	590570	624860	630150	656970	692770	847520	1125780	1127690	1094670	815080	503526
19	533290	592200	625140	630580	658000	694800	850650	1130320	1127930	1094055	806390	494100
20	534790	593830	625430	631020	659040	696820	853790	1134400	1128220	1093590	797445	484760
21	536040	595480	625570	631450	659930	702480	857120	1136685	1127930	1093040	788650	475890
22	537220	596980	625720	631710	660810	708160	861030	1137290	1127210	1092580	779225	467090
23	538430	598350	625860	632020	661550	713890	864960	1138495	1124885	1091655	769240	458350
24	539560	599720	625860	632310	662300	719670	868910	1137530	1121490	1090875	754060	449050
25	540690	601090	625860	632600	663040	725400	872870	1142590	1119830	1090010	743600	439760
26	541840	602470	626000	632890	663940	731140	876810	1146595	1118650	1089325	732260	430300
27	542980	603850	626150	633180	664830	744590	883710	1149390	1118170	1088595	722710	420620
28	544120	605230	626150	633460	665730	758730	890650	1153870	1117700	1087800	711560	426670
29	546920	606610	626290	634470	666630	769930	896820	1159165	1118170	1087245	700435	423070
30	550740	607990	626430	635480	.....	768190	900130	1164340	1117460	1086550	689045	419610
31	552680	.....	626430	636500	.....	774410	.....	1167305	.....	1085815	677665	.....

Reported by United State Bureau of Reclamation.

## REPORT OF SECRETARY

## NORTH PLATTE RIVER INTO PATHFINDER RESERVOIR

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept
1	640	580	1250	330	460	510	1010	5780	5830	5050	1070	87
2	670	580	1250	330	460	510	1020	5610	5520	5450	1720	62
3	630	580	1250	330	460	510	1030	6150	6490	4960	2210	90
4	750	580	1260	330	460	650	2450	6470	4080	3960	1680	88
5	760	580	1260	330	460	570	2700	6240	5440	3750	1500	92
6	820	580	850	340	460	850	2780	5630	5500	2810	1460	82
7	880	530	850	330	510	860	2870	5430	6270	2970	1780	86
8	900	540	860	330	620	860	2240	5440	6310	3640	1470	76
9	780	530	860	550	520	750	2270	5180	6960	3190	1410	83
10	800	530	860	550	520	690	2360	5830	7280	2140	1600	80
11	710	530	300	390	570	810	3220	6000	8170	2450	1670	97
12	660	530	300	390	570	810	3250	5710	8120	2190	1320	82
13	660	540	300	390	570	750	3280	5090	8340	2460	1200	77
14	740	750	250	390	570	750	3320	5710	8290	1690	860	97
15	720	760	220	390	570	750	3340	6130	8170	1830	1460	67
16	750	760	220	440	530	760	3370	7000	8840	1450	820	67
17	670	760	220	440	490	760	1430	7310	9690	1470	890	64
18	680	420	220	440	490	470	1440	7560	9050	1460	1380	57
19	660	420	220	440	500	470	1440	8950	8700	1450	1040	57
20	560	420	220	450	490	440	1450	9300	8070	1440	1080	57
21	560	420	390	500	500	860	1450	9300	7960	1190	1130	67
22	560	420	390	500	500	870	1450	8920	7590	900	760	47
23	570	420	390	500	500	920	1460	8780	7130	880	840	57
24	570	420	390	500	500	930	1620	8840	6170	1220	800	67
25	570	420	390	500	500	930	1710	9120	5770	1950	1310	87
26	570	420	390	440	500	870	1780	7730	6490	1940	1280	87
27	570	420	390	440	580	880	2440	7380	5530	1300	1440	77
28	520	420	390	440	600	1060	3480	6700	5210	1210	1530	97
29	360	420	390	410	.....	1250	4670	6260	5250	1090	1550	117
30	370	420	390	420	.....	1670	4060	7260	5800	1400	1070	97
31	360	.....	390	410	.....	1690	.....	6280	.....	1470	940	..
Mean	646	523	547	418	513	821	2466	6874	6891	2270	1303	77
Max.	800	760	1260	550	600	1690	4960	9300	9690	6450	2210	117
Min.	360	420	220	390	460	470	1430	5000	4980	860	760	47
A.F.	39710	31141	33620	25726	28483	50480	146759	422644	410029	139659	80114	459

Total 1,454,223 A. Ft.

Reported by United States Bureau of Reclamation.

## NORTH PLATTE RIVER INTO PATHFINDER RESERVOIR

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept
1	970	1280	670	480	610	550	2060	6320	13400	4990	1830	77
2	1030	1290	660	480	620	550	2880	6390	12830	4650	1240	67
3	960	1290	660	480	610	550	2800	6330	13160	4190	1260	67
4	1040	1020	660	480	610	640	2830	6720	12030	4130	1290	57
5	1010	1030	660	460	690	690	2830	6680	12220	3580	1320	67
6	970	1240	670	480	690	640	2850	6240	11510	3330	1450	67
7	960	1230	660	480	690	640	2880	5330	9230	3720	1310	77
8	1030	1230	670	410	690	640	2710	5770	6910	2520	1210	67
9	1030	1300	670	480	690	640	2360	6450	6910	2590	1290	57
10	980	1280	670	410	690	640	1180	7150	6820	2520	1330	67
11	790	1240	560	480	700	1100	1190	8970	6930	2210	1370	77
12	790	1180	460	480	690	1100	1190	10720	6650	2010	1380	77
13	830	1050	460	480	700	1100	1460	10660	7310	2070	1300	77
14	820	920	450	480	700	1110	1640	10070	7060	1520	1290	77
15	710	1120	460	630	690	1110	1560	10590	6770	1760	1100	67
16	780	1120	460	630	700	1110	1560	10160	6180	2020	960	77
17	790	1120	460	690	700	1110	1570	9820	5520	1890	1140	77
18	900	990	600	600	700	1120	1670	10410	5630	2040	1100	77
19	850	920	550	620	620	1120	1680	9090	6660	1830	960	77
20	930	920	550	630	630	1120	1680	9140	6740	1470	890	77
21	820	930	480	630	550	2960	1780	8510	6260	1890	800	77
22	810	860	460	550	540	2970	2070	8520	6100	2070	820	77
23	800	790	480	550	470	2990	2080	8800	5080	2070	640	77
24	850	790	410	550	480	3010	2090	8920	4460	2190	620	77
25	750	790	410	550	470	3330	2100	10530	4790	1780	850	77
26	780	780	480	550	550	4290	2490	10700	4860	2100	970	77
27	770	800	480	550	550	4660	3180	11190	5120	1950	930	77
28	780	800	410	550	550	4710	3300	12140	5000	1890	580	77
29	1040	800	430	640	550	3730	4760	13420	5620	1780	650	77
30	2030	600	480	610	.....	3760	5750	13990	5050	1750	410	77
31	1080	.....	410	610	.....	3790	.....	13290	.....	1780	450	77
Mean	925	1029	530	540	625	1871	2369	9123	7427	2467	1056	77
Max.	2030	1300	670	690	700	4710	6750	13990	13400	4990	1890	77
Min.	750	740	410	410	470	550	1180	6320	14460	1750	410	77
A.F.	56886	61809	32708	33183	35960	115082	140087	561191	441943	151718	64939	29

Total 1,725,281 A. Ft.

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## NORTH PLATTE RIVER, OUTFLOW OF PATHFINDER RESERVOIR

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	50	50	315	500	300	620	55	50	3000	5600	6150	4430
2	50	50	315	500	300	620	55	50	3000	5700	5870	4430
3	50	50	315	500	300	630	55	50	3000	5610	5230	4430
4	50	50	315	500	300	140	55	50	3010	5450	5000	4420
5	50	50	315	500	300	65	55	50	3010	5520	5140	4400
6	50	50	300	500	300	60	55	50	3010	5490	5130	4400
7	50	50	300	500	300	50	55	50	3050	5690	5170	4430
8	50	50	300	500	300	60	55	50	3050	5470	5160	4420
9	50	50	300	500	300	60	55	50	4900	5570	5150	4400
10	50	50	300	500	300	60	55	50	5170	5540	5120	4450
11	50	50	300	500	300	60	55	50	5060	5620	5100	4420
12	50	50	300	500	300	60	55	50	5250	5650	5080	4420
13	50	50	300	500	300	60	55	50	5190	5810	4560	4410
14	50	50	420	500	300	60	55	50	5220	6060	4520	4040
15	50	50	500	500	300	60	55	50	5180	6060	4540	3910
16	50	50	600	500	150	60	55	50	5220	6060	4600	3830
17	50	50	500	500	50	60	50	50	6130	6050	3950	1430
18	50	250	500	500	60	60	50	100	6840	6040	3490	540
19	50	315	500	500	50	60	50	100	7220	6100	3430	540
20	50	315	500	500	50	145	50	100	7420	6110	3430	2180
21	50	315	500	500	50	95	50	100	7480	6140	3400	2530
22	50	315	500	500	50	95	50	100	7500	6130	3390	2530
23	50	315	500	500	50	95	50	100	7400	6110	3880	2520
24	50	315	500	500	50	95	50	100	7120	6140	4400	3400
25	50	315	500	500	50	95	50	100	6600	6130	4460	4650
26	50	315	500	500	50	95	50	100	6270	6110	4450	4950
27	50	315	500	500	300	95	50	930	5970	6150	4450	3490
28	50	315	500	500	600	95	50	2020	5740	6150	4440	3040
29	50	315	500	410	.....	95	50	3060	5610	6140	4430	540
30	50	315	500	310	.....	95	50	3010	5710	6120	4420	100
31	50	.....	500	310	.....	95	.....	3040	.....	6110	4400	.....
Mean	50	163	416	485	216	132	53	446	5281	5888	4582	3301
Max.	50	315	500	500	600	630	55	3060	7500	6150	6150	4950
Min.	50	50	300	310	50	60	50	50	3000	5450	3390	100
A.F.	3074	9679	25677	29812	12000	8142	3134	27392	314226	362048	281717	201801

Total 1,278,602 A. Ft.

Reported by United States Bureau of Reclamation.

## NORTH PLATTE RIVER, OUTFLOW OF PATHFINDER RESERVOIR

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	100	100	100	410	100	100	100	3980	11930	4860	4980	5990
2	100	100	100	410	100	100	100	3980	12160	4250	5010	6040
3	100	100	100	410	100	100	100	2250	12350	4680	5010	6020
4	100	100	100	410	100	100	100	2030	12430	4370	5010	5990
5	100	100	100	410	100	100	100	630	12370	4120	5010	5370
6	100	100	100	410	100	100	100	490	12190	3860	5000	5070
7	100	100	100	410	100	100	100	500	11630	3670	4990	5040
8	100	100	100	410	100	100	100	500	10710	3450	4980	5020
9	100	100	100	410	100	100	100	500	9780	3180	4970	5010
10	100	100	100	410	100	100	100	500	6080	2950	4960	5060
11	100	100	100	410	100	100	100	500	8570	4710	4950	5030
12	100	100	100	410	100	100	100	500	8200	2500	4990	4900
13	130	100	100	410	100	100	100	500	7970	4860	5020	5060
14	70	100	160	410	100	100	100	510	7740	5570	4990	5050
15	100	100	100	410	100	100	100	1080	7480	5570	4960	5030
16	100	100	100	410	100	100	100	2270	7200	5760	5090	5020
17	100	100	100	400	100	100	100	4100	6800	5580	5070	4980
18	100	100	160	310	100	100	100	6670	6730	5560	5040	5030
19	100	100	410	410	100	100	100	6610	6370	5660	5010	5040
20	100	100	410	410	100	100	100	7100	6430	5560	4990	5030
21	100	100	410	410	100	100	100	7520	6450	5550	5940	5010
22	100	100	390	410	100	100	100	7720	6370	5550	6020	4980
23	100	100	410	410	100	100	100	7880	6140	5550	6020	5030
24	100	100	410	410	100	100	100	8070	5780	5720	6040	5010
25	100	100	410	410	100	100	100	8380	5440	5550	6010	4900
26	100	80	410	410	100	100	100	8740	5220	5550	5970	3140
27	100	100	410	410	100	100	100	9030	5080	5550	5940	2050
28	100	100	410	410	100	100	100	9740	4980	5550	6010	2040
29	100	100	360	130	100	100	1020	10390	4980	4700	5390	2030
30	100	100	410	100	.....	100	3890	11020	4960	4990	5960	2020
31	100	.....	410	100	.....	100	.....	11530	.....	4980	6020	.....
Mean	100	99	232	377	100	100	247	4652	8084	4783	5353	4702
Max.	130	100	410	410	100	100	3890	11530	12430	5760	6040	6040
Min.	70	80	100	100	100	100	100	400	4080	2500	4950	2020
A.F.	201801	59111	14242	23207	5752	6148	15292	28606	481038	294093	329161	279832

Total 1, 685,083 A. Ft.

Reported by United States Bureau of Reclamation.



REPORT OF SECRETARY

NORTH PLATTE RIVER INTO GUERNSEY RESERVOIR

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1				360	712	256	834	2392	11563	5410	5156	571
2				464	662	297	641	4800	12896	5150	4860	59
3				420	453	330	600	5755	13739	5324	5235	58
4				335	406	345	588	5206	14958	4964	5101	60
5				398	458	328	658	4298	14965	4777	5119	60
6				410	516	290	751	3968	14419	4280	5693	58
7				481	557	350	665	3287	14085	4276	4721	61
8				647	424	456	648	2667	13416	4143	4712	61
9				572	434	408	501	2774	12282	4247	4703	49
10				678	283	598	640	2590	10645	3182	4744	61
11				732	445	550	377	2576	10000	2960	5056	50
12				826	361	617	510	2283	9850	3174	4880	52
13				840	444	818	346	1935	9735	2765	4738	45
14				857	390	529	485	1860	9273	2785	4705	46
15				927	345	625	430	2840	8982	4767	5000	47
16				790	251	460	497	3295	8790	4845	5233	44
17				725	395	476	375	3740	8544	5021	4080	44
18				634	234	502	508	5965	6938	5357	4963	46
19				655	358	466	729	7740	8128	5511	4856	49
20				593	375	432	769	8300	6810	5780	4710	49
21				549	312	490	865	8280	6528	5541	4620	52
22				781	381	560	964	7305	6497	5610	5190	51
23				349	249	170	922	7151	5898	5658	6258	51
24				429	307	743	1045	7452	7064	5674	6036	50
25				553	355	940	877	7096	5400	6090	5812	47
26				627	209	975	1237	7487	5290	5454	5906	56
27				557	326	1145	1786	8119	6760	5840	5759	45
28				418	269	415	1740	10008	6249	5570	5794	28
29				749	345	1080	2190	11863	5144	5560	5690	29
30				663		760	2383	12296	5620	5308	5804	26
31				620		820		12718		5128	5823	
Mean				602	388	556	852	5772	9328	4839	5205	49
Max.				927	712	1145	2383	12718	14965	6090	6258	60
Min.				335	209	170	346	1860	5144	2765	4620	25
A.F.				37010	22325	34195	50700	354940	555040	297605	320070	2925

Reported by United States Bureau of Reclamation.

GUERNSEY STORAGE RESERVOIR

Daily Contents in Acre Feet

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1				13090	33420	35460	42600	36320	48860	52520	34015	249
2				13485	33965	35370	42780	40485	49060	53510	34015	250
3				13710	34100	35280	42780	45315	50020	54490	35195	286
4				13800	34180	35370	42875	45505	51029	56020	35970	319
5				13990	34600	35370	42970	44470	52520	56975	37050	341
6				14225	34940	35280	43250	44804	52776	54945	37080	351
7				14620	35370	35280	43340	48340	58666	53310	38120	342
8				15480	35545	35460	43435	41708	58201	56320	37945	332
9				16040	35715	35545	43160	40724	56973	48060	37010	325
10				16760	35630	35885	43160	39354	55376	44225	36750	321
11				17560	35800	36320	42875	37540	54188	40140	37010	318
12				18610	35970	36740	42875	35025	57960	36070	36680	318
13				19780	36230	37460	42600	31664	57435	31040	33335	319
14				21000	36320	37895	42600	27390	56290	28845	31360	321
15				22420	36320	38320	42600	24518	55560	24400	30000	329
16				23230	36140	38600	42505	22524	54945	23190	28995	335
17				23920	36230	38870	41860	21760	54535	22290	27465	341
18				24700	35970	39320	41400	25415	56080	22225	25845	351
19				25415	36055	39670	41120	32132	57960	22445	24270	360
20				25990	36140	39832	40940	39580	57225	23200	21960	371
21				26500	36055	40080	41030	45828	56805	23650	19720	387
22				27540	36140	40428	40760	46780	56700	24740	18610	404
23				27700	35970	40080	40210	46455	55050	25570	20035	423
24				28075	35885	40760	40120	47035	55870	26530	21000	437
25				28685	35885	41040	39320	46225	53210	28375	21370	448
26				29460	35800	43340	38600	47795	52100	28840	22055	469
27				30160	35800	44185	38870	51700	53310	30200	22085	511
28				30480	35630	42230	38155	49535	53010	31440	22550	500
29				31600	35630	40485	37540	48470	52500	32750	23025	489
30				32340		40485	37060	48800	52500	33590	23620	489
31				32785		41580		49887		33845	24145	

**NORTH PLATTE RIVER, OUTFLOW OF GUERNSEY RESERVOIR**  
 For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1				269	392	342	320	2760	12080	5400	5070	5400
2				265	387	342	550	2700	12800	4650	4860	5410
3				307	385	375	600	3320	13250	4830	4640	4500
4				290	366	300	540	5110	14450	4200	4710	4400
5				302	246	328	610	4820	12640	4800	4575	4950
6				292	344	336	610	3800	12640	4800	4625	5300
7				282	340	350	620	4025	14140	5100	4650	5600
8				214	336	365	600	3490	13650	5650	4800	5650
9				490	348	366	640	3270	12900	5390	5175	5300
10				315	326	427	640	3280	11650	5110	4875	5400
11				330	359	340	520	3490	10600	4990	4925	5220
12				297	275	405	510	3550	7950	5200	5550	5220
13				250	313	460	485	3630	10000	5300	4920	4550
14				242	345	350	485	4010	9850	5400	5700	4500
15				212	345	360	430	4285	9350	5450	5775	4380
16				383	342	324	545	4300	9100	5500	5740	4190
17				378	350	340	700	4125	8750	5475	5750	4190
18				242	365	275	740	4125	7320	5390	5800	4200
19				295	315	290	870	4350	7150	5400	5650	4500
20				303	332	250	860	4550	7150	5400	5875	4400
21				292	355	390	820	5150	6740	5315	5750	4390
22				257	358	360	1100	6825	6550	5060	5750	4280
23				268	335	370	1200	7315	6730	5240	5540	4190
24				240	350	375	1090	7160	6650	5090	5550	3310
25				246	355	290	1280	7600	6740	5100	5625	4190
26				236	252	320	1600	7200	5850	5220	5500	3750
27				234	326	720	1650	6150	5150	5110	5740	3350
28				257	355	1400	2100	12000	5400	4990	5560	3490
29				185	345	1960	2500	12400	6400	4900	5450	3300
30				280		760	2630	12100	5620	4885	5500	2650
31				396		270		12200		5000		
Mean				270	339	460	928	5564	9284	5140	5363	4504
Max.				396	392	1960	2630	12400	14450	5650	5920	5650
Min.				185	246	270	320	2700	5150	4200	4575	2650
A.F.				17155	19480	28245	56230	342135	552452	316060	329755	268070

Reported by the United States Bureau of Reclamation.

**NORTH PLATTE RIVER PASSING WHALEN DAM**

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	2480	290	554	622	715	135	350	3270	3182	5066	6050	4029
2	1492	248	536	676	679	175	400	3325	3480	5600	6335	4047
3	912	212	530	748	595	87	400	3369	3354	5714	6734	4138
4	714	206	578	796	541	25	821	3302	3095	5770	6050	4433
5	636	200	619	864	701	25	850	2927	3006	5706	6091	4034
6	413	259	548	840	631	25	928	2513	3210	6273	5711	4141
7	330	300	548	864	625	25	749	2249	3269	5006	4966	4251
8	240	188	590	859	577	525	759	2314	3154	5044	4573	4334
9	240	182	476	871	517	540	761	2660	2851	5388	4432	4275
10	144	182	344	853	457	540	713	2618	3247	4492	4603	4263
11	72	182	637	805	439	540	908	2623	4753	5249	4726	4227
12	72	188	260	775	449	500	930	3426	4388	5379	4701	4267
13	98	259	32	751	351	500	1008	4087	4863	5449	4749	4120
14	68	305	15	739	361	450	992	4978	4232	5455	4791	3966
15	50	218	15	709	451	450	904	5181	4711	5493	5648	4120
16	103	224	15	571	499	400	892	5372	5842	5528	6310	4134
17	100	170	15	541	493	400	744	5646	6616	5613	5750	4090
18	60	104	15	595	467	400	822	5571	6113	5630	4064	3687
19	50	50	39	679	629	450	1080	5396	6417	5672	3850	3359
20	175	67	81	703	597	400	1473	4881	7092	5605	3128	2807
21	168	69	135	553	631	300	1272	4601	8306	5593	3126	2420
22	168	81	219	451	565	350	1096	4318	7718	5677	3172	2461
23	192	183	357	379	529	400	993	3311	8384	6087	3419	2519
24	300	603	447	313	583	450	994	2773	7847	6138	3589	2646
25	210	1011	381	289	463	450	1059	2294	7256	6024	4131	2601
26	216	675	399	355	485	400	1072	1907	6031	5924	4943	2959
27	204	697	345	605	441	400	1400	1712	6401	5854	4133	4004
28	268	725	243	661	0	350	2190	1503	6221	5973	4039	4627
29	301	566	249	727		350	2874	1268	6250	6015	3995	4371
30	362	560	327	727		350	3086	1496	4802	6181	4112	2415
31	400		357	727		350		2064		6267	4048	
Mean	362	307	319	663	517	347	1084	3319	5231	5669	4699	3725
Max.	2480	1011	637	871	715	540	3086	5571	8384	6267	6734	4433
Min.	50	50	15	289	0	25	350	1263	3006	4492	3126	2426
A.F.	22223	18256	19589	40735	28703	21807	64503	204072	311273	344901	288934	221658

Total 1,777,174 A. Ft.  
 Reported by United States Bureau of Reclamation.

NORTH PLATTE RIVER PASSING WHALEN DAM

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	169	300	400	121	397	324	167	1121	9046	3417	3417	1899
2	170	325	360	49	457	315	303	1115	9778	2694	2107	1838
3	149	300	309	127	283	352	423	1733	10008	2325	1661	3169
4	133	350	350	115	283	280	417	3264	11041	371	1883	244
5	731	900	175	211	265	240	454	3299	12428	1269	1667	177
6	651	600	152	145	220	290	566	1829	10021	1500	1715	180
7	1352	350	181	135	280	300	596	2154	11763	1723	1805	187
8	1531	500	235	73	250	320	592	1568	11420	2444	1787	214
9	1100	400	270	253	250	300	800	950	10757	1869	1851	168
10	755	350	217	295	300	330	670	1152	9323	2086	1341	187
11	450	300	79	265	275	290	691	1405	8488	1919	991	173
12	250	300	139	229	200	330	642	1519	6781	2090	1668	183
13	150	275	253	145	250	356	495	1706	8443	2153	2358	158
14	250	350	181	115	260	348	544	2245	8182	1937	2002	168
15	265	400	247	73	300	345	189	2804	7527	2237	2146	150
16	2618	400	331	350	312	330	65	2645	7838	2000	2186	150
17	4138	425	187	285	297	250	232	2490	7639	2153	2138	156
18	826	450	100	145	405	220	121	2340	6121	2193	2055	133
19	500	425	205	91	200	225	205	2487	4563	2006	1941	146
20	300	1400	307	163	270	220	81	2692	6140	1926	2253	122
21	250	600	349	97	300	180	100	3039	5666	2269	2235	113
22	250	500	331	25	290	200	320	5593	5442	1802	2223	104
23	300	500	343	25	320	190	275	6387	5332	1886	2004	106
24	250	450	217	67	315	235	100	6121	5440	1892	2084	115
25	300	400	98	25	300	180	180	6250	4901	2023	2244	97
26	300	500	67	55	225	200	120	6327	3750	2117	2085	73
27	265	550	145	67	275	800	125	3160	3837	1895	2136	56
28	300	500	223	55	320	695	580	6848	4172	2003	2151	79
29	300	400	145	25	290	2268	960	8037	3905	3600	2031	80
30	285	500	67	175	.....	1861	1115	7520	3741	3294	953	18
31	300	.....	25	373	.....	150	.....	7887	.....	3340	2013	.....
Mean	632	467	216	141	289	417	404	3474	7479	2149	1974	1473
Max.	4138	1400	400	373	405	2268	1115	8037	12428	3609	3417	3169
Min.	133	300	25	25	200	150	65	950	3741	371	953	18
A.F.	88853	27769	13266	8675	16639	25634	24055	213632	445083	132180	121372	8798

Total 1,155,144 A. Ft. Reported by United States Bureau of Reclamation.

LARAMIE RIVER AT SIPHON, SEC. 32, TWP. 26, RGE. 65

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	130	*0	*0	190	310	0	465	725	265	310	465	15
2	130	0	0	190	310	0	375	725	265	310	310	15
3	130	0	0	206	285	0	225	725	265	265	265	15
4	157	0	0	206	310	0	725	660	360	310	310	14
5	144	0	0	206	310	0	660	660	310	265	310	14
6	144	0	0	310	385	0	410	595	360	242	265	14
7	157	0	0	225	265	0	360	562	310	225	285	13
8	144	0	0	285	265	0	310	562	265	225	465	13
9	144	0	0	190	225	0	265	595	242	190	265	13
10	157	0	0	190	143	0	332	595	225	157	242	14
11	144	0	0	190	190	0	360	530	206	206	225	15
12	144	0	0	170	190	0	375	680	157	190	225	19
13	144	0	0	170	157	0	360	790	265	130	225	19
14	144	0	0	190	190	0	360	725	225	130	206	19
15	144	0	0	190	190	0	360	725	170	82	1180	15
16	144	0	0	170	265	0	360	725	242	82	435	15
17	130	0	0	190	360	0	360	725	492	82	385	13
18	117	0	89	170	310	0	465	660	385	115	310	13
19	104	0	150	170	285	0	435	660	332	130	310	13
20	5	0	150	130	285	0	410	625	385	225	310	13
21	5	0	150	143	190	0	410	595	310	157	265	13
22	5	0	150	130	206	0	410	595	285	130	242	13
23	5	0	150	115	190	0	310	530	265	242	242	13
24	0	0	150	130	190	0	410	410	265	265	225	13
25	0	0	150	170	190	0	410	360	242	310	225	13
26	0	0	150	170	190	0	530	360	190	225	225	13
27	0	0	150	190	206	15	725	332	242	206	225	17
28	0	0	150	225	20	20	735	360	157	190	242	20
29	0	0	150	245	.....	20	725	310	157	206	225	20
30	0	0	150	285	.....	20	725	310	242	225	206	10
31	0	0	150	360	.....	225	.....	310	.....	265	170	.....
Mean	86	0	65	197	240	60	445	571	270	203	306	150
Max.	157	0	150	360	385	225	725	790	492	310	1180	20
Min.	0	0	0	115	20	0	225	310	157	62	170	10
A.F.	5300	0	4044	12101	13115	595	25484	35110	10668	12480	18813	890

Total 153,010 A. Ft. Reported by United States Bureau of Reclamation. \* Entire River diverted into Ft. Laramie Canal for Lingle Power Plant and returned to North Platte River at Lingle Power Plant.

LARAMIE RIVER AT SIPHON, SEC. 32, TWP. 26, RGE. 65

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	82	15	15	*	*	*	*	332	1115	225	225	82
2	82	15	15	.....	.....	.....	.....	310	1050	285	190	68
3	82	15	15	.....	.....	.....	.....	332	1050	225	170	130
4	30	15	15	.....	.....	.....	.....	360	1245	190	170	104
5	25	15	15	.....	.....	.....	.....	360	1080	157	157	82
6	30	15	10	.....	.....	.....	.....	332	1245	142	157	82
7	43	20	10	.....	.....	.....	.....	333	1310	130	157	82
8	30	20	10	.....	.....	.....	.....	310	1245	115	157	82
9	43	20	15	.....	.....	.....	.....	310	1115	104	190	82
10	35	20	15	.....	.....	.....	.....	285	1150	104	130	82
11	25	20	15	.....	.....	.....	.....	285	1180	104	102	82
12	20	20	15	.....	.....	.....	.....	285	1245	147	115	69
13	20	20	15	.....	.....	.....	.....	265	855	130	115	68
14	20	20	15	.....	.....	.....	.....	242	790	130	115	170
15	20	20	15	.....	.....	.....	.....	360	660	115	93	206
16	15	20	15	.....	.....	.....	.....	360	530	190	93	130
17	15	20	15	.....	.....	.....	.....	465	495	143	104	115
18	15	20	15	.....	.....	.....	.....	725	595	115	93	115
19	15	20	15	.....	.....	.....	.....	1050	465	206	93	104
20	15	20	20	.....	.....	.....	.....	1050	435	206	206	104
21	15	20	20	.....	.....	.....	.....	1050	410	225	130	113
22	15	20	20	.....	.....	.....	.....	1015	360	225	93	143
23	15	20	20	.....	.....	.....	.....	1050	360	490	82	107
24	15	20	20	.....	.....	.....	.....	953	360	360	82	157
25	15	15	20	.....	.....	.....	.....	920	435	310	82	157
26	15	15	20	.....	.....	.....	.....	920	360	310	82	157
27	15	15	20	.....	.....	.....	.....	920	310	210	190	190
28	15	15	20	.....	.....	.....	.....	985	310	219	130	170
29	15	15	20	.....	.....	.....	.....	850	265	360	104	157
30	15	15	20	.....	.....	.....	.....	985	225	310	104	157
31	15	.....	20	.....	.....	.....	.....	985	.....	217	82	.....
Mean	27	18	16	*	*	*	*	612	742	206	128	120
Max.	82	20	20	.....	.....	.....	.....	1050	1310	490	225	206
Min.	15	15	10	.....	.....	.....	.....	242	225	104	82	68
A.F.	1640	1071	1012	.....	.....	.....	.....	37672	44132	12686	7920	7153

Reported by United States Bureau of Reclamation. \* No Record.

\*\* Entire River diverted into Ft. Laramie Canal for Lingle Power Plant and returned to North Platte River at Lingle Power Plant.

NORTH PLATTE RIVER AT TORRINGTON, WYOMING

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	1200	900	1000	1100	950	900	1500	4200	2150	5200	5500	1900
2	1200	900	1000	1100	950	900	1500	4100	2450	4300	5300	2200
3	1200	900	1000	1100	950	900	1500	3900	2700	4500	5950	1900
4	1200	900	1000	1100	950	900	1500	2000	2600	4700	6200	1950
5	1200	900	1000	1100	950	900	1500	3300	2550	4500	6100	1750
6	1200	900	1000	1100	950	900	1500	3000	2600	4200	5400	1900
7	1200	900	1000	1100	950	900	1500	2700	2450	3700	5000	1800
8	1200	900	1000	1100	950	900	1350	2300	2300	3200	4400	1900
9	1200	900	1000	1100	950	900	1350	3300	2000	3200	4000	1900
10	1200	900	1000	1100	950	900	1400	3700	2450	3200	5300	1950
11	1000	900	1000	1100	1000	900	1400	3000	1650	3200	4200	2300
12	1000	900	1000	1100	1000	900	1500	3850	2900	2900	4000	2200
13	1000	900	1000	1100	1000	900	1650	4400	2900	3000	4050	2400
14	1000	900	1000	1100	1000	900	1500	4950	3150	2850	4200	1950
15	1000	900	1000	1100	1000	900	1650	5300	2450	2800	5700	2300
16	1000	900	1000	1100	1000	900	1650	5700	3500	2600	6550	2200
17	1000	900	1000	1100	1000	900	1550	5700	5800	3000	5900	2300
18	1000	900	1000	1100	1000	900	1800	5700	5500	2850	3550	1950
19	1000	900	1000	1100	1000	900	1950	5500	5500	3000	3000	1900
20	1000	900	1000	1100	1000	900	2000	5200	5900	3000	2400	1500
21	900	1050	1000	950	1000	750	2200	4850	6600	3050	2100	1300
22	900	1050	1000	950	1000	750	2600	4800	7000	3050	1900	1100
23	900	1050	1000	950	1000	750	1900	3850	7000	3350	1350	1300
24	900	1050	1000	950	1000	750	1650	3150	6800	4050	1500	1300
25	900	1050	1000	950	1000	750	1800	2500	6150	4050	1900	1400
26	900	1050	1000	950	1000	750	1850	2200	5550	4050	1900	1700
27	900	1050	1000	950	1000	750	2200	1800	4850	3700	2050	2300
28	900	1050	1000	950	1000	750	2500	1550	4850	3650	2050	3900
29	900	1050	1000	950	.....	750	3300	1350	5300	4050	2250	4300
30	900	1050	1000	950	.....	750	4100	1650	5050	4050	2050	4450
31	900	.....	1000	950	.....	750	.....	1550	.....	4700	2050	.....
Mean	1029	*950	*1000	*1045	*982	*847	1825	3637	4088	3598	3825	2106
Max.	1200	1050	1000	1100	1000	900	4100	5700	7000	5700	6200	4450
Min.	900	900	1000	950	950	750	1350	1850	1650	2800	1500	1100
A.F.	53273	56529	61488	64364	54546	52067	108596	223639	243276	221259	236243	125357

\* Estimated.

Total 1,509,637 A. Ft.

## NORTH PLATTE RIVER AT TORRINGTON, WYOMING

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	1900	700	850	700	800	850	1300	1500	11000	4400	3800	2250
2	1300	725	850	700	900	850	1300	1500	12300	4100	2650	2250
3	1000	700	850	700	900	850	1750	1600	12600	2800	2300	3350
4	1060	850	850	700	900	850	1900	2800	13000	2500	2250	3350
5	950	950	850	700	900	800	17.0	5000	13000	1900	2250	2150
6	1200	875	700	700	800	850	1600	2600	11700	2200	2150	2150
7	1450	975	700	700	900	900	1600	2800	13700	2000	2050	2150
8	1900	975	700	700	900	900	1600	2250	13700	2650	2200	2500
9	1700	1100	700	700	900	900	1600	1850	13300	2300	2150	2300
10	1500	1050	700	700	900	800	1600	1650	12400	2200	2300	2300
11	1350	875	700	700	900	900	1350	1850	11700	2150	1500	1950
12	1100	875	700	700	900	800	1250	1800	10900	2150	1850	2100
13	950	750	700	700	800	850	1250	2150	10800	2250	2300	2025
14	950	750	700	700	850	900	1150	2150	10600	2250	2500	1950
15	850	950	700	700	900	800	1050	3200	9500	2250	2450	2150
16	850	1100	700	700	850	800	900	8400	9400	2250	2750	2100
17	4900	1050	700	700	850	800	1000	8350	9000	2400	2450	2100
18	2000	1100	700	700	850	700	900	3150	8800	2600	2400	1900
19	1350	1000	700	700	900	700	900	3650	6000	2750	2050	1900
20	1000	975	700	700	750	700	900	4300	7600	2550	2750	1750
21	850	1200	800	700	800	700	700	4600	7300	2750	2750	1900
22	850	1200	800	700	900	800	750	5600	7100	2400	2450	1900
23	775	1100	800	700	850	700	800	7900	7000	2450	2450	1700
24	700	975	800	700	800	800	900	7800	7300	2450	2450	1900
25	700	1100	800	700	800	1600	800	7900	7000	2750	2450	1900
26	725	1100	800	700	900	1600	800	7900	7800	2800	2450	1500
27	700	1600	800	700	850	2000	800	8100	5200	2600	2400	1500
28	760	975	800	700	850	2350	800	6600	5200	2600	2550	1700
29	700	875	800	700	900	3400	1230	10100	5000	4250	2400	1750
30	700	850	800	700	.....	3000	1450	10400	4600	3600	2300	1300
31	700	.....	800	700	.....	1500	.....	10600	.....	4400	2300	.....
Mean	1203	956	*760	*700	862	1127	1189	4510	9493	2700	2388	2057
Max.	2000	1200	850	700	900	3400	1900	10600	13900	4400	3800	3350
Min.	700	700	700	700	800	700	700	1500	4600	1900	1850	1300
A.F.	73984	56926	46711	43041	49587	69323	70771	277789	545065	166018	146878	122433
* Estimated.												
Total 1,668,526 A. Ft.												

## NORTH PLATTE RIVER AT MITCHELL, NEBRASKA

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	1900	1400	1300	1400	1400	1600	1600	4200	1250	3800	4300	1450
2	3000	1400	1400	1400	1400	1600	1900	4300	1700	2850	6000	1300
3	2500	1400	1300	1400	1400	1600	1800	4200	2200	3800	5750	1350
4	2000	1250	1400	1400	1400	1300	1500	4000	2200	4000	5750	1350
5	2000	1250	1350	1400	1400	1300	1700	3850	2000	4300	5750	1300
6	1900	1150	1300	1400	1400	1300	1900	3700	1900	3500	4900	1150
7	1800	1100	1250	1400	1400	1300	1900	3450	2000	2850	5000	1150
8	1600	1100	1250	1400	1400	1100	1900	8550	1900	2450	4600	1150
9	1600	1100	1250	1400	1400	1300	1900	3700	1800	2100	4600	1300
10	1550	1000	1300	1400	1400	1300	1900	4300	1600	2000	3900	1300
11	1500	950	1250	1400	1400	1600	1900	4600	1550	1600	4000	1450
12	1400	1050	1250	1400	1400	1000	1900	3700	1450	1100	4000	1650
13	1400	1100	1350	1400	1400	1600	1900	4600	1900	950	4000	1650
14	1250	1100	1250	1400	1400	1500	1900	5750	1900	1400	4000	1800
15	1250	1100	1250	1400	1400	1500	1900	6200	2000	1250	4000	1600
16	1150	1100	1250	1400	1400	1300	2850	6600	1900	1500	6600	1650
17	1120	1150	1250	1400	1400	1300	2850	6450	4300	1400	6750	1450
18	1100	1150	1250	1400	1400	1300	2850	6000	4900	1300	4600	1600
19	1100	1250	1250	1400	1400	1300	2850	5700	4450	1400	2150	1300
20	1100	1250	1250	1400	1400	1200	2850	5700	4450	1700	2550	1100
21	1700	1250	1250	1400	1600	1100	2850	5300	5300	1700	2150	1100
22	1100	1250	1250	1400	1600	1300	2850	4450	6600	1700	1800	1100
23	1250	1100	1250	1400	1600	1000	2750	3900	4900	1900	1700	1100
24	1360	1100	1250	1400	1600	1300	2550	3450	5200	2300	1450	1100
25	1400	1250	1250	1400	1600	1300	2300	2800	5750	2700	1300	1100
26	1300	1400	1250	1400	1600	1300	2600	2200	4700	2800	1150	1100
27	1400	1400	1250	1400	1600	1200	2750	1700	4200	2550	1300	1450
28	1400	1400	1250	1400	1600	1200	2800	1550	3900	2700	1300	2250
29	1400	1400	1250	1400	.....	1300	3650	1400	4600	2700	1500	3450
30	1400	1250	1250	1400	.....	1100	4300	1300	4200	3200	1450	4250
31	1400	.....	1250	1400	.....	1700	.....	1250	.....	3750	1450	.....
Mean	1507	1205	1260	1400	1457	1351	2383	3993	3223	2363	3508	1438
Max.	3000	1400	1400	1400	1600	1700	4300	6690	5750	4300	6600	4250
Min.	1100	950	1250	1400	1400	1100	1600	1250	1250	950	1150	1100
A.F.	92688	71703	78050	86084	80927	83108	141820	245557	191804	145291	215705	91538
Total 1,524,275 A. Ft.												

DEPARTMENT OF PUBLIC WORKS

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NORTH PLATTE RIVER AT MITCHELL, NEBRASKA

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	4400	1500	1600	1350	1000	1100	2000	1000	8900	3750	2675	1900
2	2850	1500	1600	1350	1000	1100	1350	1100	10500	3300	2050	1700
3	2050	1450	1600	1350	1100	900	1350	1150	11800	3450	1550	1400
4	1900	1500	1600	1350	1100	900	1950	1250	12100	2900	1500	1900
5	1800	1450	1600	1350	1100	1000	1800	3150	13600	2400	1500	1400
6	1900	1600	1600	1350	1100	1000	1800	4850	13300	1800	1400	1100
7	1900	1650	1600	1350	1100	1000	1800	2050	12500	1500	1250	1025
8	2300	1600	1600	1350	1100	1000	1700	2300	14000	1400	1150	950
9	2400	1650	1600	1350	1100	1100	1700	1800	14200	1700	1150	1100
10	2600	1800	1600	1350	1100	1150	1600	1350	13400	1400	1700	1025
11	2300	1600	1600	1350	1100	1150	1600	1000	12100	1350	1700	950
12	2050	1500	1600	1350	1100	1100	1500	1000	11400	1250	1400	950
13	1900	1500	1600	1350	1100	1000	1500	850	9100	1100	1800	950
14	1800	1500	1600	1350	1100	1100	1350	1150	10200	1150	1150	1025
15	1600	1600	1600	1350	1100	1150	1300	1800	9700	1100	1100	950
16	1550	1650	1600	1350	1100	1150	1250	2500	8900	1100	1050	1025
17	2200	1800	1600	1250	1100	1150	1150	2550	9300	1000	1100	950
18	4350	1800	1600	1250	1100	1150	1150	2450	8900	2600	1100	700
19	2850	1650	1600	1250	1100	1150	1100	2550	6900	1600	1100	700
20	2000	1800	1600	1150	1100	1050	1000	2950	5350	1500	1025	700
21	1800	1800	1600	1150	1200	1000	1100	3650	6100	1600	1100	700
22	1650	1950	1600	1150	1200	1000	900	4500	6000	1600	1175	800
23	1550	1950	1600	1150	1200	1000	900	6200	6000	1350	1100	700
24	1550	1950	1600	1150	1200	1000	850	6350	6000	1500	1175	675
25	1450	1800	1600	1150	1200	1000	950	6400	6000	1500	950	700
26	1550	1650	1600	1150	1100	1650	800	6400	6500	1800	1025	675
27	1450	1650	1600	1150	1100	1800	550	6400	6200	1900	1025	600
28	1450	1650	1600	1150	1100	2350	550	6000	4600	2000	1025	500
29	1450	1650	1600	1150	1100	2400	600	8500	4400	2850	1100	600
30	1450	1500	1600	1100	.....	3800	800	8000	4800	4050	950	700
31	1450	.....	1600	1100	.....	3400	.....	8000	.....	3000	950	.....
Mean	2048	1655	*1600	1222	1110	1346	1265	3535	9125	1951	1291	968
Max.	4400	1950	1600	1350	1200	3800	2000	9000	14200	4050	2675	1900
Min.	1450	1450	1600	1100	1000	900	550	850	4400	1000	950	500
A.F. 125952	98480	80381	75174	63868	82811	75273	217391	542983	120001	79389	57620	.....

\* Estimated.

Total 1,628,323 A. Ft.

NORTH PLATTE RIVER AT MINATARE, NEBRASKA

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	2400	1400	2100	NR	NR	NR	2800	4500	1300	4300	4500	1250
2	3500	1400	2100	.....	.....	.....	2500	4700	1400	4150	6450	1250
3	3650	1400	2100	.....	.....	.....	2800	4500	2150	3500	6650	1150
4	3000	1400	2100	.....	.....	.....	2800	4700	2500	3800	6700	1250
5	2550	1400	2100	.....	.....	.....	2800	3900	2500	3800	6700	1250
6	2400	1400	2100	.....	.....	.....	2800	3400	2450	3700	6300	1250
7	2050	1400	2100	.....	.....	.....	2800	3500	2300	3350	5900	1250
8	2050	1400	2100	.....	.....	.....	2700	3700	2200	2800	5200	1450
9	2050	1400	2100	.....	.....	.....	2700	4350	2000	2270	4800	1450
10	2050	1400	2100	.....	.....	.....	2500	4350	1600	2000	4700	1450
11	1800	1700	2100	.....	.....	.....	2600	4350	1500	1800	4500	1500
12	1800	1700	2100	.....	.....	.....	2850	4350	1400	1100	4500	1450
13	1800	1700	2100	.....	.....	.....	3100	4700	1950	1100	4150	1850
14	1800	1700	2100	.....	.....	.....	3100	5050	1950	1100	3950	1850
15	1800	1700	2100	.....	.....	.....	3700	5850	2800	1000	4500	1850
16	1800	1700	2100	.....	.....	.....	4300	6000	2250	1050	5050	1850
17	1800	1700	2100	.....	.....	.....	3100	6050	2900	1500	5600	1850
18	1800	1700	2100	.....	.....	.....	3300	5850	5400	1500	5200	1950
19	1800	1700	2100	.....	.....	.....	3750	6000	4850	1100	3500	1850
20	1800	1700	2100	.....	.....	.....	4100	6250	4850	1500	2500	1650
21	1400	2000	2100	.....	.....	.....	3600	5850	5400	1500	2100	1450
22	1400	2000	2100	.....	.....	.....	3750	5400	6200	1350	1700	1450
23	1400	2000	2100	.....	.....	.....	4100	5050	6800	1500	1450	1450
24	1400	2000	2100	.....	.....	.....	3900	3900	6600	2000	1150	1450
25	1400	2000	2100	.....	.....	.....	3450	3700	6000	2800	1000	1450
26	1400	2000	2100	.....	.....	.....	3100	3100	5050	2700	1050	1650
27	1400	2000	2100	.....	.....	.....	3000	2500	4800	2700	1000	1950
28	1400	2000	2100	.....	.....	.....	3100	1900	4000	2500	1050	2600
29	1400	2000	2100	.....	.....	.....	3400	1600	4700	2700	1150	3800
30	1400	2000	2100	.....	.....	.....	4300	1300	5050	2700	1050	4700
31	1400	.....	2100	.....	.....	.....	.....	1250	.....	3500	1250	.....
Mean	1906	1700	*2100	.....	.....	.....	3247	4245	3495	2334	3719	1753
Max.	3650	2000	2100	.....	.....	.....	4300	6250	6800	4300	6700	4700
Min.	1400	1400	2100	.....	.....	.....	2500	1250	1300	1000	1000	1150
A.F. 117224	101158	129125	.....	.....	.....	.....	193192	261028	207970	143545	228697	104332

\* Estimated.

NR - No record.

NORTH PLATTE RIVER AT MINATARE, NEBRASKA

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept
1	5200	1850	1850	1500	1250	2250	2000	1400	9500	4550	3700	1300
2	3800	1850	1850	1800	1250	2600	1700	1700	10200	4200	2900	2050
3	3000	1850	1850	1600	1250	1900	1550	1450	11300	4200	2650	2050
4	2600	1850	1850	1500	1250	1000	1450	1450	12200	3550	2150	2650
5	2200	1750	1850	1500	1250	1100	1800	1800	13200	3250	2000	2250
6	2100	1850	1850	1500	1250	1250	2700	5000	14700	2000	2000	1600
7	2100	1950	1850	1500	1250	1100	1800	2600	12700	1800	1800	1300
8	2200	2100	1850	1500	1250	1100	1700	2400	14000	1450	1550	1300
9	2600	1850	1850	1500	1250	1100	1800	2250	14500	1900	1500	1400
10	3000	2100	1850	1500	1250	1100	1800	1700	14200	1700	1400	1600
11	2900	2100	1850	1500	1250	1100	1900	1200	13200	1350	2400	1500
12	2600	1850	1850	1500	1250	1150	1800	950	12700	1050	1900	1500
13	2500	1850	1850	1500	1250	1250	1800	1100	11400	950	1300	1275
14	2200	1750	1850	1500	1250	1150	1700	1800	10600	900	1100	1500
15	1950	1750	1850	1500	1250	1350	1450	2250	10600	1150	1200	1500
16	1950	1850	1850	1500	1250	1150	1450	2750	9400	950	1000	1600
17	1850	1850	1850	1500	1250	1150	1350	3000	8600	950	1200	1600
18	5050	1950	1850	1500	1250	1150	1250	3000	8700	1050	1200	1500
19	3350	1850	1850	1500	1250	1150	800	3400	8600	1900	1100	1500
20	2650	1850	1850	1500	1250	1000	800	3800	5700	1800	1000	1500
21	2600	1850	1850	1500	1250	1150	1250	4500	6300	2250	1000	1500
22	2200	2100	1850	1500	1250	1150	1250	5000	6000	2100	1300	1700
23	2100	2350	1850	1500	1250	1150	1250	6500	5700	2000	1300	1550
24	1950	2200	1850	1500	1250	1250	1100	7200	5700	2000	1400	1600
25	1850	1950	1850	1500	1250	1150	1350	7800	6000	2100	1400	1500
26	1950	2025	1850	1500	1250	1500	1450	7600	5800	2250	1500	1500
27	1950	2100	1850	1500	1250	1800	750	7800	8100	2500	1500	1250
28	1850	1950	1850	1500	1250	2300	1000	8000	4800	2800	1400	1250
29	1750	2100	1850	1500	1250	2550	1250	5500	4800	3700	2000	1500
30	1850	1950	1850	1500	.....	3600	1350	9800	5500	3100	1500	1600
31	1750	.....	1850	1500	.....	3100	.....	9300	.....	3550	1400	.....
Mean	2512	1941	*1850	*1500	*1250	1509	1463	3950	9490	2225	1637	1610
Max.	5200	2350	1850	1500	1250	3600	2000	9800	14700	4550	3700	2650
Min.	1750	1750	1850	1500	1250	1000	750	950	4800	900	1000	1250
A.F.	54514	115489	113753	92232	71902	92827	87075	243177	564702	136861	100662	95852
* Estimated.												
Total 1,769,046 A. Ft.												

NORTH PLATTE RIVER AT BRIDGEPORT, NEBRASKA

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	2600	1950	2200	1800	2000	2600	2900	4000	1850	4100	6250	1700
2	2900	1950	2200	1800	2000	2600	2500	5000	1750	3500	6750	1700
3	4300	1950	2200	1800	2000	2600	2400	5000	2400	3300	7250	1700
4	4000	1950	2200	1800	2000	2600	2300	4750	2650	3300	7250	1700
5	3400	1950	2200	1800	2000	2600	2200	4500	2800	3500	7250	1600
6	3200	1950	2200	1800	2000	2400	2000	4500	3000	3500	7250	1600
7	3050	1950	2200	1800	2000	2000	2400	4100	2800	3400	7000	1700
8	2900	1950	2200	1800	2000	1800	2400	3850	2650	2800	6500	1800
9	2750	1950	2200	1800	2000	1800	2400	4500	2650	2400	5800	1800
10	2750	1950	2200	1800	2000	1800	2400	5000	2150	2000	5250	1850
11	2400	1950	2200	1800	2000	1800	2400	4500	2150	1850	4800	1850
12	2400	1950	2200	1800	2000	1800	2500	5000	2150	1750	4900	2000
13	2400	1950	2200	1800	2000	1800	2900	4250	2250	1500	4550	2100
14	2400	1950	2200	1800	2000	1800	1800	5500	2500	1500	4300	2000
15	2400	1950	2200	1800	2000	1800	2500	6000	2800	1500	4300	2300
16	2400	1950	2200	1800	2000	1600	3000	6500	3150	1500	4550	2300
17	2400	1950	2200	1800	2000	1500	3400	6750	3500	1500	6250	2300
18	2400	1950	2200	1800	2000	1500	3500	6250	4050	1650	5750	2300
19	2400	1950	2200	1800	2000	1500	4300	6250	5500	1500	4500	2900
20	2400	1950	2200	1800	2000	1600	4300	6500	5750	1500	3500	2200
21	2100	1950	2200	1800	2000	2000	3700	6500	6000	1650	2550	2200
22	2100	1950	2200	1800	2000	2000	3500	5750	6750	1800	2200	2100
23	2100	1950	2200	1800	2000	1600	3500	5750	7500	1950	1900	2100
24	2100	1950	2200	1800	2000	1800	3500	5750	6250	2000	1600	2100
25	2100	1950	2200	1800	2000	1800	3200	3950	5250	2400	1550	2100
26	2100	1950	2200	1800	2000	1800	2900	3150	5750	2700	1550	2300
27	2100	1950	2200	1800	2000	1700	2600	2700	4500	2700	1700	2700
28	2100	1950	2200	1800	2000	1500	2600	2450	4000	2700	1700	2700
29	2100	1950	2200	1800	.....	1500	2600	2200	4300	2700	1700	3300
30	2100	1950	2200	1800	.....	1600	3100	2000	4500	2800	1900	4500
31	2100	.....	2200	1800	.....	2000	.....	1900	.....	3300	1900	.....
Mean	2540	1950	*2200	*1800	2385	1896	2870	4661	3776	2405	4317	2148
Max.	4000	1950	2200	1800	2000	2600	4300	6750	7500	4100	7250	4500
Min.	2100	1950	2200	1800	2000	1500	2000	1900	1750	1500	1800	1550
A.F.	156200	116034	135274	110679	132497	116620	170779	286615	224730	147870	263491	127836
Total 1,990,625 A. Ft.												
* Estimated.												

NORTH PLATTE RIVER AT BRIDGEPORT, NEBRASKA

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	5800	1850	2000	2000	1600	1800	3700	1150	9300	6700	4500	1600
2	5550	1850	2000	2000	1600	1800	2300	1400	10300	5600	4000	2300
3	3700	1750	2000	2000	1600	1800	2000	2000	11300	5000	3100	2300
4	3150	1850	2000	2000	1600	1800	1700	2000	12500	4500	3100	1800
5	2700	2000	2000	2000	1600	1800	2150	1850	12900	3500	2800	2450
6	2550	2000	2000	2000	1600	1800	2300	3500	14400	2800	2800	2000
7	2450	2050	2000	2000	1600	1800	2150	4200	13800	2050	2450	1600
8	2450	2050	2000	2000	1600	1800	2000	2500	13100	1800	2300	1500
9	2450	2200	2000	2000	1600	1800	2000	2700	13800	1600	1900	1400
10	2800	2300	2000	2000	1600	1800	2000	2300	14400	1600	1600	1600
11	3150	2200	2000	2000	1600	1950	1850	1700	13300	1500	2100	1650
12	2800	2000	2000	2000	1600	1950	1850	1300	12800	1500	2300	1600
13	2550	2000	2000	2000	1600	1950	2000	1200	11300	1450	1750	1300
14	2450	1850	2000	2000	1600	1950	1850	1700	9800	1450	1300	1500
15	2300	2000	2000	2000	1600	1950	1850	2700	11300	1350	1200	1500
16	2300	2000	2000	2000	1600	1950	1700	2700	10800	1250	1200	1650
17	2300	2200	2000	2000	1600	2000	1700	3100	10500	1250	1200	1800
18	2950	2450	2000	2000	1600	2150	1700	3300	10800	2000	1200	1800
19	4500	2300	2000	2000	1600	2150	1550	3100	10000	2950	1200	1650
20	3500	2300	2000	2000	1600	1700	1400	3300	8000	3200	1125	1650
21	2800	2300	2300	2000	1600	1550	1400	3700	7400	3500	1050	1650
22	2800	2250	2300	2000	1600	1550	1550	4100	8000	3300	1050	1650
23	2550	2200	2300	2000	1600	1550	1400	4600	7400	3300	1250	1300
24	2400	2200	2300	2000	1600	1550	1400	7600	7200	3200	1400	1800
25	2200	2125	2300	2000	1600	1250	1250	8300	7400	3500	1450	1800
26	2050	2050	2300	2000	1600	1700	1250	8000	7400	3300	1500	1800
27	2050	2050	2300	2000	1600	2000	1000	9300	8500	3400	1500	1800
28	2050	2200	2300	2000	1600	2500	1000	8000	7400	4250	1550	1650
29	2050	2050	2300	2000	1600	2900	1000	8700	7000	4900	1500	1650
30	2050	2050	2300	2000	.....	3100	1000	11300	8000	5100	1700	1650
31	2000	.....	2300	2000	.....	3700	.....	11000	.....	5100	1700	.....
Mean	3819	2089	*2106	*2000	*1600	1909	1733	4267	10336	3114	1896	1740
Max.	5800	2450	2300	2000	1600	3700	3700	11300	14400	6700	4500	2450
Min.	2000	1750	2000	2000	1600	1550	1000	1150	7200	1250	1050	1600
A.F.	173358	124315	129522	122977	92034	121692	103142	262417	615083	191407	116550	103538
Total	2,155,465 A. Ft.											

\* Estimated.

NORTH PLATTE RIVER AT OSHKOSH, NEBRASKA

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	.....	.....	.....	.....	.....	2900	2700	1450	8400	6500	5200	1750
2	.....	.....	.....	.....	.....	.....	2900	2700	1350	10200	4650	1800
3	.....	.....	.....	.....	.....	.....	2900	2700	1900	10200	4650	2100
4	.....	.....	.....	.....	.....	.....	2900	2700	2350	11600	4200	2900
5	.....	.....	.....	.....	.....	.....	2900	2700	2350	13500	3700	2200
6	.....	.....	.....	.....	.....	.....	2900	2700	2100	13800	3050	2500
7	.....	.....	.....	.....	.....	.....	2900	2700	3100	14200	2800	2400
8	.....	.....	.....	.....	.....	.....	2900	2700	4750	12800	2450	1750
9	.....	.....	.....	.....	.....	.....	2900	2700	3400	13500	2100	1900
10	.....	.....	.....	.....	.....	.....	2900	2700	2400	13500	2000	1900
11	.....	.....	.....	.....	.....	.....	2900	2300	2100	13500	2000	1600
12	.....	.....	.....	.....	.....	.....	2900	2300	1900	12800	2250	1900
13	.....	.....	.....	.....	.....	.....	2900	2300	2000	12200	1950	2500
14	.....	.....	.....	.....	.....	.....	2900	2300	2100	11000	2100	1650
15	.....	.....	.....	.....	.....	.....	2900	2300	2400	9700	2000	1600
16	.....	.....	.....	.....	.....	.....	2900	2000	3100	10400	1900	1100
17	.....	.....	.....	.....	.....	.....	2900	2000	2750	11000	2100	1350
18	.....	.....	.....	.....	.....	.....	2900	1900	4000	11000	2100	1350
19	.....	.....	.....	.....	.....	.....	2900	1900	3500	9700	2800	1200
20	.....	.....	.....	.....	.....	.....	2900	1800	4000	9000	3350	1100
21	.....	.....	.....	.....	.....	.....	2900	1900	3500	6000	3700	1200
22	.....	.....	.....	.....	.....	.....	2900	1700	4000	7800	3700	1100
23	.....	.....	.....	.....	.....	.....	2900	1900	4200	8100	3700	1100
24	.....	.....	.....	.....	.....	.....	2900	1800	6000	6800	3700	1100
25	.....	.....	.....	.....	.....	.....	2900	1500	8400	7500	3350	1200
26	.....	.....	.....	.....	.....	.....	2900	1500	8400	7800	3700	1350
27	.....	.....	.....	.....	.....	.....	2900	1600	8400	7800	3700	1500
28	.....	.....	.....	.....	.....	.....	2900	1500	7600	9600	4650	1350
29	.....	.....	.....	.....	.....	.....	2900	1350	8400	6500	4650	1600
30	.....	.....	.....	.....	.....	.....	2900	1350	8400	6500	5900	1600
31	.....	.....	.....	.....	.....	.....	2900	.....	10800	.....	4650	1900
Mean	.....	.....	.....	.....	.....	*2900	2138	4196	10213	3356	2003	2105
Max.	.....	.....	.....	.....	.....	.....	2900	2700	10800	14200	6500	5200
Min.	.....	.....	.....	.....	.....	.....	2900	1350	1350	6500	1900	1100
A.F.	.....	.....	.....	.....	.....	.....	178316	127241	258053	607744	206383	123175

\* No record.



## REPORT OF SECRETARY

## NORTH PLATTE RIVER AT LEMOYNE, NEBRASKA

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept
1	.....	.....	.....	.....	.....	.....	.....	5250	2700	6500	2900	181
2	.....	.....	.....	.....	.....	.....	.....	5250	2700	6300	4900	231
3	.....	.....	.....	.....	.....	.....	.....	5250	2900	6300	7000	251
4	.....	.....	.....	.....	.....	.....	.....	5250	3100	5200	9100	211
5	.....	.....	.....	.....	.....	.....	.....	5250	3350	4800	10000	211
6	.....	.....	.....	.....	.....	.....	.....	5550	3600	5100	8600	191
7	.....	.....	.....	.....	.....	.....	.....	5550	4100	4500	10000	311
8	.....	.....	.....	.....	.....	.....	.....	5550	4500	4100	9300	341
9	.....	.....	.....	.....	.....	.....	.....	5550	3800	3300	9200	371
10	.....	.....	.....	.....	.....	.....	.....	5550	3600	2550	8700	271
11	.....	.....	.....	.....	.....	.....	.....	4900	3100	2500	8600	251
12	.....	.....	.....	.....	.....	.....	.....	4300	2900	2500	6500	261
13	.....	.....	.....	.....	.....	.....	.....	5550	3100	2550	6500	251
14	.....	.....	.....	.....	.....	.....	.....	5200	2750	2550	6000	291
15	.....	.....	.....	.....	.....	.....	.....	4900	2700	2550	6000	271
16	.....	.....	.....	.....	.....	.....	.....	5900	3200	1950	5500	291
17	.....	.....	.....	.....	.....	.....	.....	7150	3600	2100	5500	315
18	.....	.....	.....	.....	.....	.....	.....	8150	4100	1700	7000	321
19	.....	.....	.....	.....	.....	.....	.....	8200	3500	2000	9000	291
20	.....	.....	.....	.....	.....	.....	.....	8200	5650	2100	8000	271
21	.....	.....	.....	.....	.....	.....	.....	8200	6700	2100	7000	291
22	.....	.....	.....	.....	.....	.....	.....	8000	6700	1950	3700	291
23	.....	.....	.....	.....	.....	.....	.....	7700	6300	1950	2900	271
24	.....	.....	.....	.....	.....	.....	.....	6850	8500	1950	2900	251
25	.....	.....	.....	.....	.....	.....	.....	6500	9200	2100	2400	241
26	.....	.....	.....	.....	.....	.....	.....	5250	9200	1950	2200	235
27	.....	.....	.....	.....	.....	.....	.....	5000	7400	2300	1800	241
28	.....	.....	.....	.....	.....	.....	.....	4100	6300	2550	1800	241
29	.....	.....	.....	.....	.....	.....	.....	3800	5650	3000	1800	235
30	.....	.....	.....	.....	.....	.....	.....	3300	4900	2600	1550	291
31	.....	.....	.....	.....	.....	.....	.....	2900	.....	3000	1250	.....
Mean	.....	.....	.....	.....	.....	.....	.....	5564	4660	3116	3729	265
Max.	.....	.....	.....	.....	.....	.....	.....	8200	9200	6500	10000	375
Min.	.....	.....	.....	.....	.....	.....	.....	2900	2700	1700	1250	181
A.F.	.....	.....	.....	.....	.....	.....	.....	342153	277293	191606	362269	15808

## NORTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept
1	3750	2400	3200	2050	2200	1600	3200	3150	2850	4600	2650	1250
2	3750	2400	3200	2050	2200	1600	3200	3150	2550	4600	5600	1450
3	3750	2400	3200	2050	2200	1800	3500	3650	2700	4600	5600	1900
4	5000	2400	3200	2050	2200	1800	3900	4500	2700	4150	6600	1700
5	6200	2400	3200	2050	2200	2300	3500	5000	2400	3650	7550	1450
6	5900	2400	3200	2050	2200	4400	3400	5300	3000	2850	8050	1450
7	4300	2400	3200	2050	2200	5200	3200	5300	3000	3200	7550	1700
8	3750	2400	3200	2050	2200	4400	3200	6500	3000	3450	8250	2200
9	3250	2400	3200	2050	2200	3900	3400	7500	2850	3650	8550	3200
10	3250	2400	3200	2050	2200	3500	5000	5300	2550	3450	7550	2500
11	3250	2400	3200	2050	2200	3500	3900	5000	2550	2850	7050	2200
12	3250	2400	3200	2050	2200	1800	4400	4500	2850	2650	6350	1900
13	3250	2400	3200	2050	2200	2900	4800	3850	3150	2200	6100	1900
14	3250	2400	3200	2050	2200	4400	8000	5300	3150	1900	5600	1900
15	3250	2400	3200	2050	2200	4400	5800	4500	3000	1900	5600	2200
16	3250	2400	3200	2050	2200	3200	4900	4000	3500	1900	5900	2200
17	3250	2400	3200	2050	2200	2900	6000	5000	4000	1700	5150	2500
18	3250	2400	3200	2050	2200	2900	6800	6000	3800	1350	5150	2500
19	3250	2400	3200	2050	2200	2500	4800	5700	3800	1450	5150	2500
20	3250	2400	3200	2050	2200	3200	4800	7500	3800	1250	7050	2500
21	2600	2400	3200	2050	2200	3200	5300	7000	5300	1450	6600	2500
22	2600	2400	3200	2050	2200	4600	5300	8200	6000	1700	6600	2500
23	2600	2400	3200	2050	2200	3500	5300	7500	5300	1700	4650	2300
24	2600	2400	3200	2050	2200	5000	5000	6000	5700	1700	3200	2200
25	2600	2400	3200	2050	2200	3400	4800	4700	6500	1700	2850	2300
26	2600	2400	3200	2050	2200	2900	4400	4500	8700	1450	2200	2500
27	2600	2400	3200	2050	2200	2500	4200	4000	6500	1350	2200	2850
28	2600	2400	3200	2050	2200	2500	3300	3300	5300	1350	1900	2850
29	2600	2400	3200	2050	.....	2000	3600	3050	5000	2050	1700	2850
30	2600	2400	3200	2050	.....	2700	3400	3300	4500	2650	1450	3200
31	2600	.....	3200	2050	.....	2900	.....	2550	.....	2650	1450	.....
Mean	3322	*2400	*3200	*2050	*2200	3151	4496	5012	4010	2487	5221	2238
Max.	6200	2400	3200	2050	2200	5200	6800	8200	8700	4600	8550	3200
Min.	2600	2400	3200	2050	2200	1600	3200	2550	2400	1250	1450	1250
A.F. 204498	142812	196763	126051	122183	193787	267574	368236	239615	152927	321029	133192	.....
Total	2,407,667	A. Ft.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

\* Estimated.

DEPARTMENT OF PUBLIC WORKS

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NORTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA  
For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	3450	3200	2800	2500	3000	2700	3500	1550	5300	7200	5000	1300
2	5900	3450	2800	2500	3000	2900	4200	1550	10500	8200	4700	1200
3	6850	3450	2800	2500	3000	3000	4500	1750	9100	6500	5000	1650
4	6600	3200	2800	2500	3500	3350	4200	1750	10500	4800	5000	1400
5	6100	3200	2800	2500	3000	3700	3100	1750	11000	5300	4500	1300
6	4050	3200	2800	2500	3700	4100	2500	2500	12800	4800	4500	2150
7	4400	3200	2800	2500	3700	4470	2600	2500	12800	3600	3700	2000
8	3900	3450	2800	2500	3700	3000	2800	2050	13700	3300	3300	1900
9	3450	3450	2800	2500	3500	3000	2800	2200	15000	2600	3300	1900
10	3450	3450	2800	2500	3300	2900	2800	3900	13100	2200	3000	1600
11	3700	3700	2800	2500	2900	2400	2800	2750	15100	2000	3000	1600
12	4150	3450	2800	2500	2500	2400	3000	2750	15500	2500	1950	1500
13	4650	3450	2800	2500	2100	2300	2000	2500	14500	2300	1600	1500
14	4650	3450	2800	2500	1800	2400	2400	2900	14400	2300	1200	1600
15	4150	3700	2800	2600	1700	2400	2600	3350	12400	2800	1825	1600
16	3700	3700	2800	2500	1600	2900	2400	3050	10200	2300	1700	1500
17	3700	3450	2800	2500	1500	2800	2400	3050	12400	2300	1200	1600
18	3700	3450	2800	2500	1400	2800	2400	3550	12100	2400	850	1600
19	3700	4400	2800	2500	1800	2600	2400	3550	12400	2800	850	1700
20	3700	3900	2800	2500	2100	2300	2400	4500	11400	2600	850	1750
21	3700	3700	2800	2500	2500	2400	2400	4150	9900	4400	700	1800
22	6350	3450	2800	2500	2900	2400	2150	3900	9600	3800	700	2000
23	4900	3450	2800	2500	2800	2400	2150	3750	7600	4400	1500	1900
24	4150	3700	2800	2500	2600	2400	2150	4150	7000	4200	1200	1900
25	3900	3700	2800	2500	2400	2300	2000	4150	7900	4200	900	1900
26	3700	3900	2800	2500	2200	2400	2000	6050	7200	4200	850	2000
27	3450	3900	2800	2500	2300	2400	1400	8200	7900	4000	900	2100
28	3200	3700	2800	2500	2400	2300	1800	7450	8200	4800	900	2000
29	3200	3700	2800	2500	2500	2300	1800	7000	7600	5350	1000	2000
30	3450	3450	2800	2500	.....	2800	1650	7450	7200	5350	1000	2000
31	3450	.....	2800	2500	.....	3000	.....	7450	.....	5350	1100	.....
Mean	4258	3551	*2800	*2500	*2692	2761	2606	3779	10880	3963	2196	1731
Max.	6850	3900	2800	2500	3700	4450	4500	8200	15000	8200	5000	2150
Min.	3200	3200	2800	2500	1400	2300	1650	1750	5300	2000	700	1300
A.F. 261822	211341	172167	153721	149553	169787	155109	232367	647414	243672	135026	103042	

\* Estimated.

Total 2,635,023 A. Ft.

SOUTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA  
For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	90	270	370	800	1000	1000	1500	1800	40	10	0	0
2	90	240	370	800	1000	1000	1530	1500	40	10	125	0
3	90	270	370	800	1000	1000	1500	1700	160	5	10	0
4	160	270	370	800	1000	1000	1300	1600	50	5	5	0
5	190	310	370	800	1000	1000	900	1500	50	5	5	0
6	190	310	370	800	1000	1100	800	1050	100	0	5	0
7	190	270	370	800	1000	1100	950	850	50	0	0	0
8	270	270	370	800	1000	1100	950	950	10	0	0	0
9	310	270	370	800	1000	1100	950	1150	5	0	330	0
10	370	190	370	800	1000	1100	1300	950	5	0	330	0
11	410	370	370	800	1000	1100	1300	850	5	0	220	0
12	370	370	370	800	1000	1100	1450	850	100	0	250	0
13	370	370	370	800	1000	1100	1400	750	160	0	160	0
14	370	520	370	800	1000	1100	2000	850	120	0	160	0
15	370	370	370	800	1000	1100	1850	750	120	0	220	0
16	370	310	370	800	1000	1350	1450	750	250	0	250	0
17	370	270	370	800	1000	1350	1600	750	330	0	180	0
18	370	140	370	800	1000	1350	2000	600	450	0	220	0
19	370	270	370	800	1000	1350	2200	600	450	0	220	0
20	370	520	370	800	1000	1350	2400	450	500	0	220	0
21	370	650	370	800	1000	1600	2400	200	330	0	220	0
22	310	650	370	800	1000	1600	2200	50	220	0	180	0
23	410	650	370	800	1000	1600	2400	65	120	0	140	0
24	310	750	370	800	1000	1600	2200	65	220	0	160	0
25	370	650	370	800	1000	1600	2200	50	220	0	100	0
26	270	520	370	800	1000	1350	2000	15	180	0	100	0
27	270	370	370	800	1000	1350	2000	60	180	0	100	0
28	270	650	370	800	1000	1350	2000	40	100	0	50	0
29	270	520	370	800	.....	1350	1900	40	50	0	40	0
30	270	550	370	800	.....	1350	1900	5	5	0	30	0
31	270	.....	370	800	.....	1350	.....	5	.....	0	0	0
Mean	298	405	*370	*800	*1000	1253	1690	672	154	1	131	0
Max.	410	750	370	800	1000	1600	2400	1800	500	10	330	0
Min.	90	140	370	800	1000	900	800	5	5	0	0	0
A.F. 18327	24079	22750	49190	55538	77058	100563	41346	9164	69	8072	0	0

\* Estimated.

Total 406,156 A. Ft.

## REPORT OF SECRETARY

## SOUTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	0	220	250	425	650	700	370	10	350	850	1450	5
2	0	220	250	425	650	700	200	10	600	1100	1250	5
3	0	250	250	425	650	700	250	70	350	1200	1250	5
4	0	220	250	425	650	700	200	60	450	1000	1450	5
5	250	220	250	425	650	700	200	60	600	1450	850	5
6	330	220	250	425	650	700	175	60	950	1850	750	3
7	330	250	250	425	650	700	175	60	950	1700	700	3
8	330	250	250	425	650	700	200	40	1550	1200	700	3
9	330	330	250	425	650	700	150	40	1850	1000	700	3
10	220	330	250	425	650	700	175	40	3850	700	550	3
11	220	330	250	425	375	500	125	20	3500	550	550	3
12	220	220	250	425	375	500	100	10	2800	700	400	2
13	220	220	250	425	375	500	100	10	2000	500	350	2
14	180	220	250	425	375	500	100	100	2000	350	300	2
15	160	220	250	425	375	500	75	450	1700	550	225	2
16	220	330	250	425	375	500	50	225	2000	300	225	2
17	220	430	250	425	375	500	50	200	2000	300	950	2
18	220	430	250	425	375	500	50	180	2500	700	150	2
19	180	430	250	425	375	500	40	200	2350	550	125	2
20	180	430	250	425	375	500	40	200	2800	400	75	2
21	180	250	250	425	375	500	30	600	2350	750	50	3
22	180	360	250	425	375	500	10	600	2800	550	20	3
23	180	250	250	425	375	500	10	400	2800	1100	20	3
24	180	330	250	425	375	500	10	450	1450	1000	20	3
25	180	330	250	425	375	500	10	480	1450	800	10	2
26	220	330	250	425	375	500	10	480	1350	800	5	2
27	220	330	250	425	375	500	10	480	1350	1350	5	2
28	220	250	250	425	375	500	10	375	1200	2250	5	2
29	180	250	250	425	375	500	5	325	1100	2250	5	2
30	220	250	250	425	.....	500	5	325	1550	2000	5	2
31	220	.....	250	425	.....	500	.....	300	.....	1550	5	.....
Mean	193	290	*250	425	319	580	95	221	1751	1011	424	2.8
Max.	330	430	250	425	650	700	300	480	3850	1850	1450	5.0
Min.	0	220	250	425	375	500	5	10	350	300	5	2.0
A.F.	11851	17256	15872	26132	26281	34711	5682	13606	104232	62182	26083	168
* Estimated.												
Total 342,586 A. Ft.												

## SOUTH PLATTE RIVER AT JULESBURG, COLORADO

For Year Ending September 30, 1927

Furnished by State of Colorado

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	160	375	402	414	453	452	746	1080	55	40	52	28
2	207	400	392	472	478	456	755	950	56	42	163	26
3	308	385	395	511	498	478	760	781	52	37	430	29
4	386	364	405	497	470	522	777	646	46	36	605	40
5	430	368	408	517	479	542	773	553	49	33	618	44
6	494	372	389	521	516	616	777	478	50	27	649	46
7	581	379	410	473	514	665	758	408	44	24	527	45
8	689	379	420	489	411	691	744	430	41	26	420	73
9	694	358	415	421	351	664	701	492	39	25	385	46
10	616	361	403	405	319	590	625	475	51	27	348	42
11	542	349	417	437	352	519	588	463	55	26	270	43
12	489	366	379	397	428	461	688	490	158	27	236	33
13	462	374	180	380	408	524	655	518	279	28	209	37
14	424	402	263	244	418	721	449	560	389	57	184	35
15	412	388	327	210	410	701	928	519	469	32	212	36
16	395	429	334	367	415	718	1470	383	544	28	242	34
17	381	342	377	497	407	692	1900	318	420	27	230	34
18	367	359	380	436	401	635	2210	238	379	27	195	33
19	356	367	366	451	408	460	2320	181	303	26	153	34
20	353	391	357	476	448	407	2460	145	269	26	124	35
21	334	373	385	303	488	494	2550	122	248	25	83	37
22	329	387	421	340	583	981	2340	105	221	27	63	36
23	336	457	408	408	547	1250	2280	77	212	26	52	39
24	345	453	369	428	631	1090	2160	68	159	25	43	48
25	334	450	353	448	490	1090	2090	64	121	25	37	85
26	333	469	317	457	521	1100	2010	68	80	23	35	128
27	325	438	281	366	504	1020	1850	65	63	22	35	166
28	309	431	307	419	488	905	1660	58	50	35	35	204
29	341	426	323	453	.....	819	1450	52	53	44	32	332
30	381	408	337	448	.....	718	1270	48	42	40	34	392
31	386	.....	377	383	.....	716	.....	40	.....	39	32	.....
Mean	403	394	364	422	455	700	1360	351	166	31	218	75
Max.	694	469	421	521	583	1250	2550	1080	544	57	649	392
Min.	160	342	180	210	319	407	449	48	39	22	32	26
A.F.	24800	23400	22400	25500	25300	43600	80900	21600	9880	1890	13400	4450

DEPARTMENT OF PUBLIC WORKS

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SOUTH PLATTE RIVER AT JULESBURG, COLORADO

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	475	360	352	280	380	499	205	24	135	1120	804	20
2	548	358	390	272	350	522	207	24	415	863	763	21
3	535	355	417	288	360	530	179	34	665	1380	702	22
4	574	349	400	298	360	521	129	31	1130	1770	638	21
5	578	355	392	312	410	563	108	23	1170	1500	655	23
6	532	371	347	324	440	528	80	22	1180	1290	713	25
7	421	384	335	430	450	446	65	21	2010	1010	680	20
8	380	384	308	395	460	396	58	23	3820	720	571	24
9	358	394	309	395	440	327	52	24	3380	529	510	22
10	337	384	332	395	440	326	48	22	2500	396	437	22
11	318	371	348	430	430	277	44	33	2010	297	375	22
12	293	347	342	430	430	296	49	28	1680	236	330	24
13	278	342	338	432	440	328	52	33	1640	177	255	26
14	258	348	334	440	428	327	50	60	1750	173	144	26
15	241	369	330	475	414	370	46	143	1760	145	98	27
16	225	362	326	496	429	447	47	167	1610	125	84	27
17	255	360	342	530	394	488	46	390	1690	204	74	27
18	303	360	356	512	428	521	46	622	2350	236	68	27
19	318	371	324	456	436	556	43	797	2250	264	52	35
20	323	368	334	338	454	612	41	638	1610	555	41	36
21	351	356	349	356	450	570	50	351	1320	1060	35	33
22	360	359	316	366	440	513	48	507	1320	917	33	34
23	339	359	324	376	440	482	41	504	1320	822	28	32
24	242	365	326	356	406	411	37	534	1160	1010	25	34
25	208	356	328	344	380	346	34	551	1040	1080	25	33
26	246	362	328	332	390	378	34	528	1000	1220	22	36
27	315	364	334	344	440	313	32	429	1030	1410	20	36
28	350	362	334	362	480	478	33	328	867	1410	21	35
29	362	385	348	380	520	245	30	261	752	1240	23	32
30	373	392	360	404	.....	233	26	200	996	1120	20	33
31	363	.....	324	416	.....	190	.....	151	.....	1080	19	.....
Mean	357	365	343	386	425	414	65.3	243	1520	820	270	28
Max.	578	394	417	530	520	612	267	797	3820	1770	894	36
Min.	208	342	308	272	350	190	26	21	135	125	19	20
A.F.	22000	21700	21100	23700	24400	25500	3830	14900	90400	50400	16600	1670
Total	316,260	A. Ft.										

PLATTE RIVER AT OVERTON, NEBRASKA

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	3300	3000	3300	3500	3500	5200	4600	6150	2700	4650	1350	1250
2	3900	3900	3300	3500	3500	4600	4600	6000	2700	4150	3150	1100
3	4200	3300	3300	3500	3500	2700	4300	5400	3650	4000	3150	1000
4	4500	3900	3300	3500	3500	2700	4100	5400	3150	3800	5150	1000
5	5400	3900	3300	3500	3500	4100	5200	6000	2900	3650	5150	1000
6	4500	3400	3300	3500	3500	4100	5200	6500	2700	3650	6150	1000
7	6100	3400	3300	3500	3500	4100	4600	7100	2300	3150	6650	1000
8	5100	3300	3300	3500	3500	7100	4100	7350	2700	2500	7150	1250
9	4200	2900	3300	3500	3500	6100	4600	7600	3350	2300	7650	1850
10	4300	3900	3300	3500	3500	6900	4200	8700	3150	2700	8150	1850
11	4500	3900	3300	3500	3500	7100	4100	7600	2700	3150	8150	1900
12	4500	3900	3300	3500	3500	7100	6100	6300	3300	2700	7150	2200
13	4500	3900	3300	3500	3500	6400	6100	6300	3900	2300	6700	1850
14	4500	3900	3300	3500	3500	5700	8200	5400	3150	1950	6300	1850
15	4500	3900	3300	3500	3500	4600	10600	6300	3150	1600	6150	1500
16	3900	4500	3300	3500	3500	6600	9200	5600	4650	1075	5200	1500
17	3900	3900	3300	3500	3500	6600	10500	5000	4650	950	5200	1500
18	3900	4500	3300	3500	3500	5200	12000	5000	4400	850	5150	1650
19	3900	2500	3300	3500	3500	2000	12000	5800	4750	1350	5150	1850
20	3300	2700	3300	3500	3500	2200	7600	6500	5100	625	5150	1500
21	3900	2900	3300	3500	3500	2300	7100	7100	5650	475	5650	1850
22	3900	3300	3300	3500	3500	3200	6600	7100	4650	225	6150	1850
23	3300	3900	3300	3500	3500	5200	7100	7400	5650	50	6150	1850
24	3900	4500	3300	3500	3500	7000	7100	7600	6150	100	5150	1850
25	4500	4500	3300	3500	3500	8200	7100	7600	5650	325	4150	2100
26	3300	4500	3300	3500	3500	8200	6600	6300	6400	325	3650	2200
27	4500	3300	3300	3500	3500	6700	6600	6300	7150	100	3150	2650
28	3900	3300	3300	3500	3500	5200	6100	6300	6150	25	2700	2650
29	3900	3300	3300	3500	.....	4100	5700	5600	5100	0	2300	2650
30	3300	3300	3300	3500	.....	4100	6300	5000	4650	0	1800	2200
31	3400	.....	3300	3500	.....	5200	.....	3800	.....	0	1350	.....
Mean	4180	3673	*3300	*3500	*3500	5196	6586	6325	3208	1700	5038	1715
Max.	6100	4500	3300	3500	3500	8200	12000	7600	7150	4650	8150	2650
Min.	3300	2700	3300	3500	3500	2000	4100	3800	2300	0	1350	1009
A.F.	257061	218681	202912	215209	194383	319541	391940	388964	259417	104580	309822	162051

\* Estimated.

Total 2,955,461 A. Ft.

PLATTE RIVER AT OVERTON, NEBRASKA

For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	2600	3500	3000	5000	5000	5000	3400	2300	5600	5900	6800	
2	3100	2700	3000	5000	5000	5000	3400	2000	7300	5900	5800	
3	3650	3300	3000	5000	5000	5000	3900	2400	5800	6600	5800	
4	5050	3300	3000	5000	5000	5000	4500	2600	10700	6300	5300	
5	6650	3300	3000	5000	5000	5000	4500	2400	9200	6100	5100	
6	6650	3500	3000	5000	5000	5000	3900	2350	9200	5100	5100	54
7	5650	3500	3000	5000	5000	5000	2900	2300	10700	5500	5100	100
8	5150	3500	3000	5000	5000	5000	2900	2300	10700	5100	4100	450
9	4750	3500	3000	5000	5000	5000	2900	2400	13500	4700	4100	700
10	4400	3500	3000	5000	5000	5000	3400	1300	14200	4000	3200	1000
11	4150	3550	3000	5000	5000	4000	3400	2300	14900	3500	2700	1800
12	3650	3300	3000	5000	5000	4000	3400	3900	21000	2900	2300	1400
13	3900	3500	3000	5000	5000	4000	2900	3900	21000	2900	1800	1250
14	4150	3800	3000	5000	5000	4000	3400	2800	18000	2900	1400	950
15	4600	2500	3000	5000	5000	4000	3400	3500	17000	2700	1000	850
16	4400	3500	3000	5000	5000	4000	3000	3800	17000	2500	500	850
17	4150	2900	3000	5000	5000	4000	3000	3500	10700	2500	500	850
18	4150	4300	3000	5000	5000	4000	3000	3500	12000	3100	450	800
19	3650	4300	3000	5000	5000	4000	3000	3500	13400	2750	400	800
20	3650	4300	3000	5000	5000	4000	3000	3500	14300	2600	150	850
21	3650	4300	3000	5000	5000	3800	3000	3500	13400	2900	150	850
22	3650	3500	3000	5000	5000	3800	3000	3800	13400	3100	100	1000
23	4650	3500	3000	5000	5000	3800	3000	4150	11100	3400	10	1200
24	5650	4050	3000	5000	5000	3800	3000	4150	9200	4500	0	1350
25	5150	4300	3000	5000	5000	3800	3000	3600	7200	4500	0	1200
26	4400	3500	3000	5000	5000	3500	2500	3800	8000	4400	0	1200
27	4150	3500	3000	5000	5000	3500	2500	4500	7200	4700	0	1250
28	4150	3500	3000	5000	5000	3500	2500	5400	7200	4400	0	1350
29	4150	4000	3000	5000	5000	3500	2500	6500	8000	5000	0	1250
30	4050	4300	3000	5000	5000	3500	2500	5400	8000	6000	0	1250
31	3900	.....	3000	5000	.....	3500	.....	5500	.....	6600	0	.....
Mean	4395	3701	*3000	*5000	*5000	4193	3156	3456	11753	4504	1976	820
Max.	6650	4300	3000	5000	5000	5000	4500	6500	21000	5900	6000	1500
Min.	2600	2500	3000	5000	5000	3500	2500	2000	5600	2500	0	0
A.F.	270252	220267	184465	307442	287667	257855	187837	212532	699392	276995	121509	48794

\* Estimated.  
Total 3,074,997 A. Ft.

PLATTE RIVER AT CENTRAL CITY, NEBRASKA

For Year Ending September 30, 1927

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	NR	.....	.....	.....	.....	.....	6000	5600	4250	5150	.....	.....
2	.....	.....	.....	.....	.....	.....	5000	4700	3900	4300	.....	.....
3	.....	.....	.....	.....	.....	.....	5100	4300	3900	4300	.....	.....
4	.....	.....	.....	.....	.....	.....	4700	3900	3900	3200	.....	.....
5	.....	.....	.....	.....	.....	.....	4700	3900	3700	2600	.....	.....
6	.....	.....	.....	.....	.....	.....	3900	3900	3500	2250	.....	.....
7	.....	.....	.....	.....	.....	.....	4300	3900	3200	3200	.....	.....
8	.....	.....	.....	.....	.....	.....	4700	6100	3200	2800	.....	.....
9	.....	.....	.....	.....	.....	.....	4700	6100	2900	2600	.....	.....
10	.....	.....	.....	.....	.....	.....	4700	5600	2900	2000	.....	.....
11	.....	.....	.....	.....	.....	.....	4700	7500	2600	1500	.....	.....
12	.....	.....	.....	.....	.....	.....	5100	7800	2900	1500	.....	.....
13	.....	.....	.....	.....	.....	.....	5600	7300	3500	2000	.....	.....
14	.....	.....	.....	.....	.....	.....	8000	5600	3600	2000	.....	.....
15	.....	.....	.....	.....	.....	.....	10500	3900	4250	2000	.....	.....
16	.....	.....	.....	.....	.....	7500	11000	4700	4700	2250	.....	.....
17	.....	.....	.....	.....	.....	6600	11000	4700	4700	1750	.....	.....
18	.....	.....	.....	.....	.....	6800	11500	5200	5600	1150	.....	.....
19	.....	.....	.....	.....	.....	6800	9500	5200	5600	1000	.....	.....
20	.....	.....	.....	.....	.....	6800	8000	4700	5200	800	.....	.....
21	.....	.....	.....	.....	.....	4250	10000	4700	4700	800	.....	.....
22	.....	.....	.....	.....	.....	2600	8500	5200	5200	1300	.....	.....
23	.....	.....	.....	.....	.....	3500	8000	6100	4700	800	.....	.....
24	.....	.....	.....	.....	.....	5600	7500	6600	4700	550	.....	.....
25	.....	.....	.....	.....	.....	4700	7900	6100	3900	400	.....	.....
26	.....	.....	.....	.....	.....	7000	7000	6600	5600	300	.....	.....
27	.....	.....	.....	.....	.....	8000	6600	8500	5200	200	.....	.....
28	.....	.....	.....	.....	.....	6600	6100	7500	4700	50	.....	.....
29	.....	.....	.....	.....	.....	5600	5600	6100	5200	50	.....	.....
30	.....	.....	.....	.....	.....	5100	5600	5600	5600	50	.....	.....
31	.....	.....	.....	.....	.....	5100	.....	4700	.....	50	.....	.....
Mean	.....	.....	.....	.....	.....	5784	6860	5558	4246	1706	.....	.....
Max.	.....	.....	.....	.....	.....	7500	11500	7800	5600	5150	.....	.....
Min.	.....	.....	.....	.....	.....	2600	3900	3900	2600	50	.....	.....
A.F.	.....	.....	.....	.....	.....	183572	408204	341757	252697	104927	.....	.....

PLATTE RIVER AT COLUMBUS, NEBRASKA  
For Year Ending September 30, 1928

Date	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	9500	4400	0
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	9500	6500	0
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	9500	4600	0
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	9500	5500	0
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	8700	5500	0
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	7500	4300	0
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	7100	4300	0
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	6000	3900	0
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	5500	3800	0
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	6200	3800	0
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	5500	3600	0
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	6500	3600	300
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	4200	2800	300
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	3700	2500	300
15	.....	.....	.....	.....	.....	.....	.....	.....	18000	3600	2100	50
16	.....	.....	.....	.....	.....	.....	.....	.....	18000	3100	1800	0
17	.....	.....	.....	.....	.....	.....	.....	.....	18000	2800	1800	0
18	.....	.....	.....	.....	.....	.....	.....	.....	16300	2700	1600	0
19	.....	.....	.....	.....	.....	.....	.....	.....	16300	3100	1400	0
20	.....	.....	.....	.....	.....	.....	.....	.....	12500	3000	1100	0
21	.....	.....	.....	.....	.....	.....	.....	.....	12500	2900	800	0
22	.....	.....	.....	.....	.....	.....	.....	.....	12900	2500	600	0
23	.....	.....	.....	.....	.....	.....	.....	.....	12900	2300	600	0
24	.....	.....	.....	.....	.....	.....	.....	.....	14500	2300	600	0
25	.....	.....	.....	.....	.....	.....	.....	.....	14500	2500	500	50
26	.....	.....	.....	.....	.....	.....	.....	.....	12000	3300	500	50
27	.....	.....	.....	.....	.....	.....	.....	.....	10500	3300	450	50
28	.....	.....	.....	.....	.....	.....	.....	.....	10500	3100	450	100
29	.....	.....	.....	.....	.....	.....	.....	.....	10500	2900	350	200
30	.....	.....	.....	.....	.....	.....	.....	.....	10500	3900	300	350
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	2300	100	.....
Mean	NR	NR	NR	NR	NR	NR	NR	NR	13775	4700	2360	58
Max.	.....	.....	.....	.....	.....	.....	.....	.....	18000	9500	6500	350
Min.	.....	.....	.....	.....	.....	.....	.....	.....	10500	2300	100	0
A.F.	.....	.....	.....	.....	.....	.....	.....	.....	437163	294549	145093	3471
NR—No Record.												

## REPORT OF SECRETARY

## STREAM MEASUREMENTS

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Arickaree River.....	Haigler, Section 27-1-41.....	A. E. Johnston.....	10-14-26	4.4
Arickaree River.....	do.....	A. E. Johnston.....	11- 5-26	8.6
Arickaree River.....	do.....	C. E. Franklin.....	4- 1-27	32.3
Arickaree River.....	do.....	Franklin-Whitehead.....	4-21-27	47.1
Arickaree River.....	do.....	C. E. Franklin.....	5- 4-27	19.3
Arickaree River.....	do.....	C. E. Franklin.....	5-30-27	0.5
Arickaree River.....	do.....	C. E. Franklin.....	6-29-27	18.4
Arickaree River.....	do.....	C. E. Franklin.....	7-14-27	27.8
Arickaree River.....	do.....	C. E. Franklin.....	8-26-27	4.9
Arickaree River.....	do.....	C. E. Franklin.....	9- 8-27	3.9
Arickaree River.....	do.....	C. E. Franklin.....	9-27-27	13.3
Arnold Drain.....	3 miles East of Torrington, Wyo. A. E. Johnston.....	A. E. Johnston.....	10- 7-26	12.9
Arnold Drain.....	do.....	A. W. Hall.....	10-27-26	12.1
Arnold Drain.....	do.....	A. W. Hall.....	11-29-26	14.6
Arnold Drain.....	do.....	A. W. Hall.....	1- 6-27	4.4
Arnold Drain.....	do.....	A. W. Hall.....	2- 1-27 Frozen	
Arnold Drain.....	do.....	A. W. Hall.....	2-23-27	5.3
Arnold Drain.....	do.....	A. W. Hall.....	3-11-27	10.9
Arnold Drain.....	do.....	A. E. Johnston.....	3-31-27	17.1
Arnold Drain.....	do.....	A. E. Johnston.....	4-25-27	4.7
Arnold Drain.....	do.....	A. W. Hall.....	5-12-27	7.5
Arnold Drain.....	do.....	A. W. Hall.....	5-25-27	6.9
Arnold Drain.....	do.....	A. W. Hall.....	6-16-27	16.9
Arnold Drain.....	do.....	A. W. Hall.....	7- 7-27	13.4
Arnold Drain.....	do.....	A. W. Hall.....	8- 4-27	20.9
Arnold Drain.....	do.....	A. W. Hall.....	8-25-27	17.2
Ash Creek.....	Section 6-32-50, So. of Whitney A. E. Johnston.....	A. E. Johnston.....	10-29-26	1.8
Ash Creek.....	do.....	A. W. Hall.....	2- 3-27	1.0
Ash Creek.....	do.....	A. E. Johnston.....	4-29-27	17.5
Ash Creek.....	do.....	A. E. Johnston.....	5-25-27	15.5
Ash Creek.....	do.....	A. E. Johnston.....	6-23-27	8.7
Ash Creek.....	do.....	A. E. Johnston.....	8- 1-27	4.1
Ash Creek.....	do.....	A. E. Johnston.....	9-21-27	4.2
Austin Creek.....	No. of Beatrice Section 22-4-6EA. E. Johnston.....	A. E. Johnston.....	8-16-27	51.9
Bayard S. F. Drain.....	Section 35-20-52.....	A. E. Johnston.....	10- 4-26	70.2
Bayard S. F. Drain.....	do.....	A. W. Hall.....	10-15-26	58.3
Bayard S. F. Drain.....	do.....	A. W. Hall.....	11- 4-26	56.9
Bayard S. F. Drain.....	do.....	A. W. Hall.....	11-15-26	55.8
Bayard S. F. Drain.....	Section 34-21-52.....	A. W. Hall.....	1- 5-27	51.0
Bayard S. F. Drain.....	do.....	A. W. Hall.....	2-11-27	45.6
Bayard S. F. Drain.....	do.....	A. W. Hall.....	3- 9-27	51.5
Bayard S. F. Drain.....	do.....	A. E. Johnston.....	3-28-27	39.5
Bayard S. F. Drain.....	do.....	A. E. Johnston.....	4-22-27	62.4
Bayard S. F. Drain.....	do.....	A. E. Johnston.....	4-27-27	45.9
Bayard S. F. Drain.....	do.....	A. W. Hall.....	5-11-27	39.7

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Bayard S. F. Drain	Section 34-21-52	A. W. Hall	5-23-27	42.0
Bayard S. F. Drain	do	A. W. Hall	6-14-27	39.9
Bayard S. F. Drain	do	A. W. Hall	7- 8-27	62.4
Bayard S. F. Drain	do	A. W. Hall	7-26-27	60.6
Bayard S. F. Drain	do	A. W. Hall	8-27-27	62.8
Bear Creek	Section 25-34-36, South of Eli	A. E. Johnston	5-27-27	36.9
Bear Creek	do	A. E. Johnston	9- 2-27	12.3
Bear Creek	do	A. E. Johnston	9-22-27	11.4
Beaver Creek	Section 19-2-19	A. E. Johnston	10-16-26	29.5
Beaver Creek	Section 15-20-6, North of Albion	A. E. Johnston	6- 2-27	91.3
Beaver Creek	do	A. E. Johnston	9- 7-27	169.7
Beaver Creek	do	A. E. Johnston	9-26-27	66.3
Birdwood Creek	Section 2-14-33	A. E. Johnston	10-25-26	195.3
Birdwood Creek	do	A. E. Johnston	11-12-26	223.6
Birdwood Creek	Section 35-14-33	A. E. Johnston	4- 7-27	205.0
Birdwood Creek	do	A. E. Johnston	4-18-27	200.0
Birdwood Creek	do	A. E. Johnston	5- 5-27	185.0
Birdwood Creek	do	A. E. Johnston	5-20-27	189.0
Birdwood Creek	do	A. E. Johnston	6-14-27	209.0
Birdwood Creek	do	A. E. Johnston	6-20-27	171.0
Birdwood Creek	do	A. E. Johnston	7-15-27	184.0
Birdwood Creek	do	A. E. Johnston	7-25-27	162.0
Birdwood Creek	do	A. E. Johnston	8- 6-27	179.0
Birdwood Creek	do	A. E. Johnston	8-23-27	191.0
Birdwood Creek	do	A. E. Johnston	9-14-27	204.0
Blue Creek	Section 30-16-42	A. W. Hall	10-16-26	64.4
Blue Creek	do	A. E. Johnston	10-26-26	105.3
Blue Creek	do	A. E. Johnston	11-13-26	115.1
Blue Creek	do	A. E. Johnston	12-11-26	119.8
Blue Creek	North Line, Section 30-16-42	A. W. Hall	1-10-27	124.4
Blue Creek	do	A. W. Hall	2-18-27	145.9
Blue Creek	do	A. W. Hall	3-23-27	125.4
Blue Creek	do	A. E. Johnston	4- 5-27	114.8
Blue Creek	do	A. E. Johnston	4-20-27	164.2
Blue Creek	do	A. E. Johnston	5- 3-27	136.0
Blue Creek	do	A. E. Johnston	5-21-27	78.7
Blue Creek	do	A. E. Johnston	6-16-27	119.3
Blue Creek	do	A. E. Johnston	6-28-27	22.4
Blue Creek	do	A. E. Johnston	7-16-27	27.8
Blue Creek	do	A. E. Johnston	7-27-28	1.8
Blue Creek	do	A. E. Johnston	8- 5-27	104.8
Blue Creek	do	A. E. Johnston	8-25-27	90.9
Blue Creek	do	A. E. Johnston	9-16-27	74.4



## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Blue River.....	Beatrice .....	A. E. Johnston.....	10-18-26	379.0
Blue River.....	do.....	A. E. Johnston.....	5-16-27	317.0
Blue River.....	do.....	A. E. Johnston.....	6- 6-27	383.0
Blue River.....	do.....	A. E. Johnston.....	7- 8-27	159.0
Blue River.....	do.....	A. E. Johnston.....	8-16-27	4916.0
Blue River (Big).....	Ulysses, Section 23-13-2.....	A. E. Johnston.....	10-19-26	22.0
Blue River (Big).....	do.....	A. E. Johnston.....	5-13-27	26.0
Blue River (Big).....	Below Power Plant at Seward.....	A. E. Johnston.....	10-19-26	105.0
Blue River (Big).....	do.....	A. E. Johnston.....	5-13-27	109.0
Blue River (Big).....	do.....	A. E. Johnston.....	6- 6-27	214.0
Blue River (Big).....	do.....	A. E. Johnston.....	7- 8-27	27.0
Blue River (Big).....	do.....	A. E. Johnston.....	8-15-27	1639.0
Blue River (Little).....	Fairbury, Section, 9-2-2E.....	A. E. Johnston.....	10-18-26	140.0
Blue River (Little).....	do.....	A. E. Johnston.....	5-16-27	257.0
Blue River (Little).....	do.....	A. E. Johnston.....	6- 7-27	398.0
Blue River (Little).....	do.....	A. E. Johnston.....	7- 9-27	147.0
Blue River (Little).....	do.....	A. E. Johnston.....	8-17-27	1387.0
Boggy Creek.....	Section 31-33-54.....	A. E. Johnston.....	6-21-27	0.0
Bordeaux Cr. (Big).....	Section 14-33-48.....	A. E. Johnston.....	5-26-27	8.3
Bordeaux Cr. (Big).....	do.....	A. E. Johnston.....	9- 1-27	5.1
Bordeaux Cr. (Big).....	do.....	A. E. Johnston.....	9-21-27	3.6
Bordeaux Cr. (Little).....	Section 13-33-48.....	A. E. Johnston.....	5-26-27	4.3
Bordeaux Cr. (Little).....	do.....	A. E. Johnston.....	9- 1-27	3.9
Bordeaux Cr. (Little).....	do.....	A. E. Johnston.....	9-21-27	3.4
Buffalo Creek.....	Section 33-9-18, So. of Elm Creek.....	A. E. Johnston.....	10-21-26	7.8
Buffalo Creek.....	do.....	A. E. Johnston.....	4-15-27	55.5
Buffalo Creek.....	do.....	A. E. Johnston.....	5-18-27	23.2
Buffalo Creek.....	do.....	A. E. Johnston.....	6-10-27	35.7
Buffalo Creek.....	do.....	A. E. Johnston.....	7-13-27	80.7
Buffalo Creek.....	do.....	A. E. Johnston.....	7-21-27	44.9
Buffalo Creek.....	do.....	A. E. Johnston.....	7-22-27	42.6
Buffalo Creek.....	do.....	A. E. Johnston.....	8-10-27	98.2
Buffalo Creek.....	do.....	A. E. Johnston.....	8-19-27	91.1
Buffalo Creek.....	do.....	A. E. Johnston.....	9-12-27	93.9
Buffalo Creek.....	Section 18-1-40.....	A. E. Johnston.....	10-14-26	11.5
Buffalo Creek.....	do.....	A. E. Johnston.....	11- 5-26	11.8
Buffalo Creek.....	Section 20-1-40.....	C. E. Franklin.....	4- 1-27	15.8
Buffalo Creek.....	do.....	Franklin-Whitehead.....	4-21-27	16.3
Buffalo Creek.....	do.....	C. E. Franklin.....	5- 4-27	11.4
Buffalo Creek.....	do.....	C. E. Franklin.....	5-18-27	4.3
Buffalo Creek.....	do.....	C. E. Franklin.....	5-30-27	2.8
Buffalo Creek.....	do.....	C. E. Franklin.....	6-29-27	5.8

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Buffalo Creek	Section 20-1-40	Franklin-Whitehead	7-11-27	2.2
Buffalo Creek	do.	C. E. Franklin	7-27-27	6.9
Buffalo Creek	do.	C. E. Franklin	8-26-27	9.5
	do.	C. E. Franklin	9- 8-27	6.2
Buffalo Creek	North Line, Section 4-9-18	A. W. Hall	3-22-27	8.0
Burton Creek	Section 19-34-19	A. E. Johnston	5-31-27	7.1
Burton Creek	do.	A. E. Johnston	9- 5-27	1.6
Burton Creek	do.	A. E. Johnston	9-23-27	1.1
Calamus River	Section 4-24-20	E. Johnston	5-10-27	166.0
Calamus River	Section 22-23-18	A. E. Johnston	5-10-27	234.0
Calamus River	Section 7-24-19	A. E. Johnston	5-10-27	282.0
Camp Creek	West of Stratton	A. W. Hall	2-16-27	2.7
Camp Clark Seep	Section 4-20-51	A. E. Johnston	10- 4-26	13.1
Camp Clark Seep	do.	A. W. Hall	10-15-26	10.5
Camp Clark Seep	do.	A. W. Hall	11- 4-26	6.3
Camp Clark Seep	do.	A. W. Hall	11-15-26	6.9
Camp Clark Seep	North Line Section 9-20-51	A. W. Hall	1- 4-27	5.0
Camp Clark Seep	do.	A. W. Hall	1-25-27	3.9
Camp Clark Seep	do.	A. W. Hall	2-11-27	3.9
Camp Clark Seep	do.	A. W. Hall	3- 9-27	2.3
Camp Clark Seep	do.	A. E. Johnston	3-28-27	1.9
Camp Clark Seep	do.	A. E. Johnston	4-27-27	2.7
Camp Clark Seep	do.	A. W. Hall	5-11-27	2.5
Camp Clark Seep	do.	A. W. Hall	5-23-27	3.1
Camp Clark Seep	do.	A. W. Hall	6- 8-27	3.0
Camp Clark Seep	do.	A. W. Hall	7-26-27	5.1
Camp Clark Seep	do.	A. W. Hall	8-10-27	12.5
Camp Clark Seep	do.	A. W. Hall	9- 1-27	25.3
Cedar Creek	Section 11-18-48	A. E. Johnston	10- 1-26	11.1
Cedar Creek	do.	A. E. Johnston	1-27-26	5.6
Cedar Creek	do.	A. E. Johnston	11-13-26	6.9
Cedar Creek	do.	A. E. Johnston	4- 4-27	16.9
Cedar Creek	do.	A. E. Johnston	4-21-27	18.1
Cedar Creek	do.	A. E. Johnston	5- 2-26	18.2
Cedar Creek	do.	A. E. Johnston	6-17-27	22.3
Cedar Creek	do.	A. E. Johnston	6-25-27	7.8
Cedar Creek	do.	A. E. Johnston	7-28-27	25.5
Cedar Creek	do.	A. E. Johnston	8- 4-27	25.6
Cedar Creek	do.	A. E. Johnston	8-26-27	23.0
Cedar Creek	do.	A. E. Johnston	9-17-27	20.8
Cedar Branch Creek	Section 19-14-35	A. E. Johnston	10-25-26	1.6
Cedar Branch Creek	do.	A. E. Johnston	4- 7-27	2.5

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Cedar Branch Creek	Section 19-14-35,	A. E. Johnston	4-18-27	2.5
Cedar Branch Creek	.....do.....	A. E. Johnston	5- 5-27	1.9
Cedar Branch Creek	.....do.....	A. E. Johnston	5-20-27	1.4
Cedar Branch Creek	.....do.....	A. E. Johnston	6-14-27	2.1
Cedar Branch Creek	.....do.....	A. E. Johnston	6-20-27	1.7
Cedar Branch Creek	.....do.....	A. E. Johnston	7-15-27	2.1
Cedar Branch Creek	.....do.....	A. E. Johnston	8- 6-27	2.0
Cedar Branch Creek	.....do.....	A. E. Johnston	8-23-27	2.5
Cedar Branch Creek	.....do.....	A. E. Johnston	9-14-27	1.6
Cedar River	Section 11-16-6, Fullerton	A. E. Johnston	6- 2-27	370.0
Cedar River	.....do.....	A. E. Johnston	9- 7-27	616.0
Cedar River	.....do.....	A. E. Johnston	9-26-27	275.0
Center Creek	Section 1-1-15, West of Franklin	A. E. Johnston	10-16-26	4.3
Center Creek	.....do.....	A. E. Johnston	5-17-27	4.7
Center Creek	.....do.....	A. E. Johnston	6- 8-27	3.6
Center Creek	.....do.....	A. E. Johnston	7-12-27	3.0
Center Creek	.....do.....	A. E. Johnston	8-18-27	5.0
Chadron Creek No. 1	Above Reservoir	A. E. Johnston	10-29-26	3.4
Chadron Creek No. 1	.....do.....	A. W. Hall	2- 2-27	2.0
Chadron Creek No. 1	.....do.....	A. E. Johnston	3-25-27	2.9
Chadron Creek No. 1	.....do.....	A. E. Johnston	4-29-27	5.9
Chadron Creek No. 1	.....do.....	A. E. Johnston	5-26-27	5.7
Chadron Creek No. 1	.....do.....	A. E. Johnston	6-23-27	3.4
Chadron Creek No. 1	.....do.....	A. E. Johnston	7-30-27	4.1
Chadron Creek No. 1	.....do.....	A. E. Johnston	9- 1-27	3.1
Chadron Creek No. 1	.....do.....	A. E. Johnston	9-21-27	3.8
Chadron Creek No. 2	Below Reservoir	A. E. Johnston	10-29-26	2.9
Chadron Creek No. 2	.....do.....	A. W. Hall	2- 2-27	1.7
Chadron Creek No. 2	.....do.....	A. E. Johnston	3-25-27	1.1
Chadron Creek No. 2	.....do.....	A. E. Johnston	4-29-27	1.2
Chadron Creek No. 2	.....do.....	A. E. Johnston	5-26-27	1.0
Chadron Creek No. 2	.....do.....	A. E. Johnston	6-23-27	1.7
Chadron Creek No. 2	.....do.....	A. E. Johnston	7-30-27	1.7
Chadron Creek No. 2	.....do.....	A. E. Johnston	9- 1-27	0.5
Chadron Creek No. 2	.....do.....	A. E. Johnston	9-21-27	0.5
Chadron Creek No. 3	Below Pipe Line Station 36	A. E. Johnston	10-29-27	2.7
Chadron Creek No. 3	.....do.....	A. W. Hall	2- 2-27	2.4
Chadron Creek No. 3	.....do.....	A. E. Johnston	3-25-27	1.8
Chadron Creek No. 3	.....do.....	A. E. Johnston	4-29-27	3.7
Chadron Creek No. 3	.....do.....	A. E. Johnston	5-26-27	1.6
Chadron Creek No. 3	.....do.....	A. E. Johnston	6-23-27	2.3
Chadron Creek No. 3	.....do.....	A. E. Johnston	7-30-27	1.6
Chadron Creek No. 3	.....do.....	A. E. Johnston	9- 1-27	1.0
Chadron Creek No. 3	.....do.....	A. E. Johnston	9-21-27	1.5

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Chadron Creek No. 4 Section 22-33-49.....		A. E. Johnston.....	10-29-26	3.8
Chadron Creek No. 4.....do.....		A. W. Hall.....	2- 3-27	3.3
Chadron Creek No. 4.....do.....		A. E. Johnston.....	3-25-27	3.4
Chadron Creek No. 4.....do.....		A. E. Johnston.....	4-29-27	7.2
Chadron Creek No. 4.....do.....		A. E. Johnston.....	5-25-27	5.0
Chadron Creek No. 4.....do.....		A. E. Johnston.....	6-23-27	3.8
Chadron Creek No. 4.....do.....		A. E. Johnston.....	8- 1-27	2.7
Chadron Creek No. 4.....do.....		A. E. Johnston.....	8-31-27	1.4
Chadron Creek No. 4.....do.....		A. E. Johnston.....	9-21-27	2.6
Cherry Creek.....South of Torrington, Wyoming.....		A. E. Johnston.....	10- 6-26	17.2
Cherry Creek.....do.....		A. W. Hall.....	10-27-26	15.2
Cherry Creek.....do.....		A. W. Hall.....	1- 6-27	17.7
Cherry Creek.....do.....		A. W. Hall.....	2-23-27	102.2
Cherry Creek.....do.....		A. W. Hall.....	3-11-27	5.4
Cherry Creek.....do.....		A. E. Johnston.....	3-30-27	18.9
Cherry Creek.....do.....		A. E. Johnston.....	4-25-27	17.2
Cherry Creek.....do.....		A. W. Hall.....	5-12-27	28.3
Cherry Creek.....do.....		A. W. Hall.....	5-25-27	8.3
Cherry Creek.....do.....		A. W. Hall.....	6-16-27	22.7
Cherry Creek.....do.....		A. W. Hall.....	7- 7-27	24.1
Cherry Creek.....do.....		A. W. Hall.....	8- 4-27	25.7
Cherry Creek.....do.....		A. W. Hall.....	8-25-27	46.7
Clear Creek.....Section 32-16-41.....		A. W. Hall.....	10-16-26	8.4
Clear Creek.....do.....		A. E. Johnston.....	10-26-26	8.1
Clear Creek.....do.....		A. E. Johnston.....	11-12-26	4.9
Clear Creek.....do.....		A. W. Hall.....	12-11-26	12.1
Clear Creek.....do.....		A. W. Hall.....	1-10-27	10.0
Clear Creek.....do.....		A. W. Hall.....	2-18-27	10.8
Clear Creek.....do.....		A. W. Hall.....	3-23-27	15.6
Clear Creek.....do.....		A. E. Johnston.....	4- 5-27	12.1
Clear Creek.....do.....		A. E. Johnston.....	4-19-27	13.6
Clear Creek.....do.....		A. E. Johnston.....	5- 4-27	12.4
Clear Creek.....do.....		A. E. Johnston.....	5-21-27	8.6
Clear Creek.....do.....		A. E. Johnston.....	6- 9-27	12.1
Clear Creek.....do.....		A. E. Johnston.....	6-15-27	12.2
Clear Creek.....do.....		A. E. Johnston.....	6-28-27	6.8
Clear Creek.....do.....		A. E. Johnston.....	7-15-27	0.0
Clear Creek.....do.....		A. E. Johnston.....	7-26-27	0.0
Clear Creek.....do.....		A. E. Johnston.....	8- 5-27	4.0
Clear Creek.....do.....		A. E. Johnston.....	8-24-27	11.0
Clear Creek.....do.....		A. E. Johnston.....	9-15-27	8.5
Clear Creek.....Section 26-14-16, E. of Litchfield.....		A. E. Johnston.....	7- 5-27	3.9
Clear Creek.....do.....		A. E. Johnston.....	8-11-27	4.0
Clear Creek.....do.....		A. E. Johnston.....	9- 9-27	71.5
Clear Creek.....do.....		A. E. Johnston.....	9-29-27	5.3

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Clear Water Creek	Section 6-25-7	A. E. Johnston	6- 1-27	57.4
Clear Water Creek	do	A. E. Johnston	9- 6-27	81.2
Clear Water Creek	do	A. E. Johnston	9-24-27	42.9
Cold Water Creek	Section 34-13-46	A. E. Johnston	10- 1-26	0.2
Cold Water Creek	do	A. E. Johnston	10-27-26	0.2
Cold Water Creek	do	A. E. Johnston	11-13-26	0.2
Cold Water Creek	do	A. W. Hall	3-23-27	5.1
Cold Water Creek	do	A. E. Johnston	4- 4-27	3.5
Cold Water Creek	do	A. E. Johnston	4-20-27	5.9
Cold Water Creek	do	A. E. Johnston	5- 2-27	4.7
Cold Water Creek	do	A. E. Johnston	6-16-27	3.1
Cold Water Creek	do	A. E. Johnston	6-27-27	1.1
Cold Water Creek	do	A. E. Johnston	7-28-27	2.0
Cold Water Creek	do	A. E. Johnston	8- 4-27	1.0
Cold Water Creek	do	A. E. Johnston	8-26-27	0.3
Cold Water Creek	do	A. E. Johnston	9-16-27	0.1
Cottonwood Creek	Section 27-29-48, No. of Dunlap	A. E. Johnston	10-29-26	1.4
Cottonwood Creek	do	A. W. Hall	2- 2-27	1.1
Cottonwood Creek	do	A. E. Johnston	3-25-27	2.3
Cottonwood Creek	do	A. E. Johnston	4-29-27	3.2
Cottonwood Creek	do	A. E. Johnston	5-24-27	3.2
Cottonwood Creek	do	A. E. Johnston	6-23-27	2.4
Cottonwood Creek	do	A. E. Johnston	7-30-27	1.7
Cottonwood Creek	do	A. E. Johnston	8-29-27	2.0
Cottonwood Creek	do	A. E. Johnston	9-20-27	1.4
Cottonwood Creek	Sec. 25-2-16, W. of Bloomington	A. E. Johnston	10-16-26	2.3
Cottonwood Creek	do	A. E. Johnston	7-12-27	4.3
Cottonwood Creek	do	A. E. Johnston	8-18-27	5.2
Cottonw'd Cr. (little)	Sec. 6-1-16, W. of Bloomington	A. E. Johnston	10-16-26	1.2
Cottonw'd Cr. (little)	Sec. 8-32-50, S. Whitney Pipe Li.	A. E. Johnston	10-29-26	2.7
Cottonw'd Cr. (little)	do	A. W. Hall	2- 3-27	16.8
Cottonw'd Cr. (little)	do	A. E. Johnston	3-25-27	2.3
Cottonw'd Cr. (little)	do	A. E. Johnston	4-29-27	13.7
Cottonw'd Cr. (little)	do	A. E. Johnston	5-25-27	5.5
Cottonw'd Cr. (little)	Section 8-32-50	A. E. Johnston	6-23-27	11.6
Cottonw'd Cr. (little)	do	A. E. Johnston	8- 1-27	5.7
Cottonw'd Cr. (little)	do	A. E. Johnston	8- 2-27	4.3
Cottonw'd Cr. (little)	do	A. E. Johnston	8-31-27	3.4
Cottonw'd Cr. (little)	do	A. E. Johnston	9-21-27	3.3
Cottonw'd Cr. (little)	Section 3-32-52	A. E. Johnston	6-22-27	6.3
Crooked Creek	Section 19-34-19 So. of Burton	A. E. Johnston	5-31-27	1.6
Crooked Creek	do	A. E. Johnston	9- 5-27	1.0
Crooked Creek	do	A. E. Johnston	9-23-27	0.8

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Deadhorse Creek.....	Section 32-33-49.....	A. W. Hall.....	2- 3-27	4.6
Deadhorse Creek.....	do.....	A. E. Johnston.....	4-29-27	5.2
Deadhorse Creek.....	do.....	A. E. Johnston.....	5-25-27	6.3
Deadhorse Creek.....	do.....	A. E. Johnston.....	8- 1-27	2.5
Deadhorse Creek.....	do.....	A. E. Johnston.....	9-21-27	1.7
Deep Creek.....	Section 5-30-53.....	A. E. Johnston.....	8-31-27	1.0
Dugout Cr. (Upper).....	West Line Section 21-20-50.....	A. W. Hall.....	10-15-26	1.5
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	11-15-26	0.7
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	3- 9-27	0.5
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	5-18-27	0.5
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	6-14-27	23.7
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	8-10-27	3.2
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	9-10-27	12.7
Dugout Cr. (Lower).....	Section 4-19-48.....	A. E. Johnston.....	4- 4-27	1.6
Dugout Cr. (Lower).....	do.....	A. E. Johnston.....	6-17-27	1.0
Dugout Cr. (Lower).....	do.....	A. E. Johnston.....	6-25-27	1.6
Elkhorn River.....	Neligh, Nebraska.....	A. E. Johnston.....	6- 2-27	540.0
Elkhorn River.....	do.....	A. E. Johnston.....	9- 6-27	577.0
Elkhorn River.....	do.....	A. E. Johnston.....	9-26-27	228.0
Elm Creek.....	Section 10-1-10, at Lester.....	A. E. Johnston.....	5-17-27	27.7
Elm Creek.....	do.....	A. E. Johnston.....	6- 6-27	25.1
Elm Creek.....	do.....	A. E. Johnston.....	7-11-27	22.3
Elm Creek.....	do.....	A. E. Johnston.....	8-17-27	20.2
Elm Creek.....	Center of Section 33-9-18.....	A. W. Hall.....	3-22-27	0.8
Elm Creek.....	do.....	A. E. Johnston.....	4-15-27	106.2
Fairfield Seep.....	Section 18-21-53.....	A. E. Johnston.....	10- 4-26	7.3
Fairfield Seep.....	do.....	A. W. Hall.....	10-21-26	2.2
Fairfield Seep.....	do.....	A. W. Hall.....	1- 5-27	5.8
Fairfield Seep.....	do.....	A. W. Hall.....	2-22-27	6.9
Fairfield Seep.....	do.....	A. W. Hall.....	3-10-27	8.4
Fairfield Seep.....	do.....	A. E. Johnston.....	4- 1-27	26.8
Fairfield Seep.....	do.....	A. E. Johnston.....	4-22-27	34.2
Fairfield Seep.....	do.....	A. E. Johnston.....	4-27-27	13.8
Fairfield Seep.....	do.....	A. W. Hall.....	5-11-27	8.0
Fairfield Seep.....	do.....	A. W. Hall.....	5-24-27	3.5
Fairfield Seep.....	do.....	A. W. Hall.....	6-15-27	4.2
Fairfield Seep.....	do.....	A. W. Hall.....	7- 9-27	3.8
Fairfield Seep.....	do.....	A. W. Hall.....	8- 2-27	13.6
Fairfield Seep.....	do.....	A. W. Hall.....	8-24-27	8.1
Fanning Seep.....	Section 29-23-56.....	A. E. Johnston.....	10- 5-26	8.3
Fanning Seep.....	do.....	A. W. Hall.....	10-26-26	7.7
Fanning Seep.....	do.....	A. W. Hall.....	11-29-27	10.7

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Fanning Seep.....	Section 29-23-56.....	A. W. Hall.....	1- 6-27	5.1
Fanning Seep.....	do.....	A. W. Hall.....	1-26-27	8.5
Fanning Seep.....	do.....	A. W. Hall.....	2-23-27	12.3
Fanning Seep.....	do.....	A. W. Hall.....	3-10-27	7.9
Fanning Seep.....	do.....	A. E. Johnston.....	3-29-26	5.9
Fanning Seep.....	do.....	A. W. Hall.....	5-25-27	10.4
Fanning Seep.....	do.....	A. W. Hall.....	6-17-27	6.4
Fanning Seep.....	do.....	A. W. Hall.....	7- 7-27	9.3
Fanning Seep.....	do.....	A. W. Hall.....	8- 3-27	21.0
Fanning Seep.....	do.....	A. W. Hall.....	8-25-27	13.5
Farmers Creek.....	Section 5-1-12.....	A. E. Johnston.....	10-16-26	1.8
Farmers Creek.....	do.....	A. E. Johnston.....	5-17-27	2.4
Farmers Creek.....	do.....	A. E. Johnston.....	6- 6-27	1.7
Farmers Creek.....	do.....	A. E. Johnston.....	7-11-27	0.6
Farmers Creek.....	do.....	A. E. Johnston.....	8-17-27	2.6
Frenchman River.....	Above Maranville Reservoir.....	A. E. Johnston.....	10-13-26	4.4
Frenchman River.....	do.....	A. E. Johnston.....	11- 4-26	4.1
Frenchman River.....	do.....	A. W. Hall.....	2-15-27	3.8
Frenchman River.....	do.....	C. E. Franklin.....	3-30-27	5.7
Frenchman River.....	do.....	C. E. Franklin.....	4-18-27	7.6
Frenchman River.....	do.....	C. E. Franklin.....	4-29-27	2.9
Frenchman River.....	do.....	C. E. Franklin.....	5-14-27	5.2
Frenchman River.....	do.....	C. E. Franklin.....	5-27-27	4.4
Frenchman River.....	do.....	C. E. Franklin.....	6-28-27	3.4
Frenchman River.....	do.....	C. E. Franklin.....	7- 8-27	4.5
Frenchman River.....	do.....	C. E. Franklin.....	7-22-27	3.9
Frenchman River.....	do.....	C. E. Franklin.....	8- 6-27	3.3
Frenchman River.....	do.....	C. E. Franklin.....	8-20-27	3.1
Frenchman River.....	do.....	C. E. Franklin.....	9- 4-27	3.8
Frenchman River.....	do.....	C. E. Franklin.....	9-30-27	3.4
Frenchman River.....	Below Maranville Canal.....	A. E. Johnston.....	10-13-26	3.7
Frenchman River.....	do.....	A. E. Johnston.....	11- 4-26	2.1
Frenchman River.....	do.....	A. W. Hall.....	2-15-27	4.2
Frenchman River.....	do.....	C. E. Franklin.....	3-30-27	6.2
Frenchman River.....	do.....	C. E. Franklin.....	4-18-27	8.3
Frenchman River.....	do.....	C. E. Franklin.....	4-29-27	1.7
Frenchman River.....	do.....	C. E. Franklin.....	5-14-27	0.2
Frenchman River.....	do.....	C. E. Franklin.....	5-29-27	0.3
Frenchman River.....	do.....	C. E. Franklin.....	6-28-27	0.5
Frenchman River.....	do.....	C. E. Franklin.....	7- 8-27	0.5
Frenchman River.....	do.....	C. E. Franklin.....	7-22-27	1.5
Frenchman River.....	do.....	C. E. Franklin.....	8- 6-27	0.5
Frenchman River.....	do.....	C. E. Franklin.....	8-20-27	0.5
Frenchman River.....	do.....	C. E. Franklin.....	9- 4-27	0.5
Frenchman River.....	do.....	C. E. Franklin.....	9-30-27	6.0
Frenchman River.....	Below Inman Canal.....	A. E. Johnston.....	10-13-26	12.8

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Frenchman River.....	Below Inman Canal.....	C. E. Franklin.....	3-30-27	18.2
Frenchman River.....	do.....	C. E. Franklin.....	4-18-27	21.3
Frenchman River.....	do.....	C. E. Franklin.....	4-29-27	10.8
Frenchman River.....	do.....	C. E. Franklin.....	5-14-27	4.2
Frenchman River.....	do.....	C. E. Franklin.....	5-29-27	1.0
Frenchman River.....	do.....	C. E. Franklin.....	6-28-27	2.5
Frenchman River.....	do.....	C. E. Franklin.....	7- 8-27	5.3
Frenchman River.....	do.....	C. E. Franklin.....	7-22-27	3.5
Frenchman River.....	do.....	C. E. Franklin.....	8- 6-27	1.3
Frenchman River.....	do.....	C. E. Franklin.....	8-20-27	6.9
Frenchman River.....	do.....	C. E. Franklin.....	9- 4-27	9.9
Frenchman River.....	do.....	C. E. Franklin.....	9-30-27	10.6
Above Kilpatrick Reservoir				
Frenchman River.....	Section 22-6-40.....	A. W. Hall.....	2-15-27	32.2
Frenchman River.....	do.....	C. E. Franklin.....	3-30-27	28.5
Above Kilpatrick Reservoir				
Frenchman River.....	Section 22- 6-40.....	C. E. Franklin.....	4-18-27	32.4
Frenchman River.....	do.....	C. E. Franklin.....	4-29-27	22.5
Frenchman River.....	do.....	C. E. Franklin.....	5-14-27	12.2
Frenchman River.....	do.....	C. E. Franklin.....	5-27-27	6.1
Frenchman River.....	do.....	C. E. Franklin.....	6-28-27	11.1
Frenchman River.....	do.....	C. E. Franklin.....	7- 8-27	14.1
Frenchman River.....	do.....	C. E. Franklin.....	7-22-27	11.6
Frenchman River.....	do.....	C. L. Franklin.....	8- 6-27	9.4
Frenchman River.....	do.....	C. E. Franklin.....	8-20-27	10.2
Frenchman River.....	do.....	C. E. Franklin.....	9- 4-27	17.3
Frenchman River.....	do.....	C. E. Franklin.....	9-30-27	17.9
Below Kilpatrick Reservoir				
Frenchman River.....	do.....	A. E. Johnston.....	10-13-26	11.3
Frenchman River.....	do.....	A. E. Johnston.....	11- 4-26	11.2
Frenchman River.....	do.....	A. W. Hall.....	2-15-27	28.5
Frenchman River.....	do.....	C. E. Franklin.....	3-30-27	25.3
Frenchman River.....	do.....	C. E. Franklin.....	4-18-27	20.1
Frenchman River.....	do.....	C. E. Franklin.....	4-29-27	21.6
Frenchman River.....	do.....	C. E. Franklin.....	5-14-27	2.7
Frenchman River.....	do.....	C. E. Franklin.....	5-27-27	4.7
Frenchman River.....	do.....	C. E. Franklin.....	6-28-27	15.4
Frenchman River.....	do.....	C. E. Franklin.....	7- 8-27	1.5
Frenchman River.....	do.....	C. E. Franklin.....	7-22-27	9.6
Frenchman River.....	do.....	C. E. Franklin.....	8- 6-27	2.2
Frenchman River.....	do.....	C. E. Franklin.....	8-20-27	3.0
Frenchman River.....	do.....	C. E. Franklin.....	9- 4-27	9.0
Frenchman River.....	do.....	C. E. Franklin.....	9-30-27	5.1
Section 21-6-39, at Champion				
Frenchman River.....	do.....	A. E. Johnston.....	10-13-26	16.3
Frenchman River.....	do.....	A. E. Johnston.....	11- 4-26	25.2



## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Frenchman River.....	Section 21-6-39 at Champion.....	C. E. Franklin.....	3-30-27	44.5
Frenchman River.....	do.....	C. E. Franklin.....	4-18-27	75.9
Frenchman River.....	do.....	C. E. Franklin.....	4-29-27	41.1
Frenchman River.....	do.....	C. E. Franklin.....	5-14-27	16.8
Frenchman River.....	do.....	C. E. Franklin.....	5-27-27	33.1
Frenchman River.....	do.....	C. E. Franklin.....	6-28-27	38.9
Frenchman River.....	do.....	C. E. Franklin.....	7- 8-27	35.8
Frenchman River.....	do.....	C. E. Franklin.....	7-22-27	32.0
Frenchman River.....	do.....	C. E. Franklin.....	8- 6-27	30.1
Frenchman River.....	do.....	C. E. Franklin.....	8-20-27	25.7
Frenchman River.....	do.....	C. E. Franklin.....	9- 4-27	26.7
Frenchman River.....	do.....	C. E. Franklin.....	9-30-27	34.4
Frenchman River.....	South of Imperial Section 30-6-35	A. E. Johnston.....	10-13-26	56.8
Frenchman River.....	do.....	A. E. Johnston.....	11- 4-26	55.7
Frenchman River.....	do.....	A. W. Hall.....	2-15-27	62.7
Frenchman River.....	do.....	C. E. Franklin.....	3-30-27	80.9
Frenchman River.....	do.....	C. E. Franklin.....	4-18-27	79.0
Frenchman River.....	do.....	C. E. Franklin.....	4-30-27	70.8
Frenchman River.....	do.....	C. E. Franklin.....	5-15-27	43.4
Frenchman River.....	do.....	C. E. Franklin.....	5-27-27	70.6
Frenchman River.....	do.....	C. E. Franklin.....	6-28-27	68.6
Frenchman River.....	do.....	C. E. Franklin.....	7- 8-27	57.9
Frenchman River.....	do.....	C. E. Franklin.....	7-22-27	9.0
Frenchman River.....	do.....	C. E. Franklin.....	8- 6-27	69.7
Frenchman River.....	do.....	C. E. Franklin.....	8-20-27	58.3
Frenchman River.....	do.....	C. E. Franklin.....	9- 4-27	51.7
Frenchman River.....	do.....	C. E. Franklin.....	9-30-27	55.4
Frenchman River.....	E. of Wauneta, Section 11-5-36	A. E. Johnston.....	10-14-26	91.3
Frenchman River.....	do.....	A. E. Johnston.....	11- 5-26	95.9
Frenchman River.....	do.....	C. E. Franklin.....	3-30-27	113.4
Frenchman River.....	do.....	C. E. Franklin.....	4-18-27	138.8
Frenchman River.....	do.....	C. E. Franklin.....	4-30-27	94.9
Frenchman River.....	do.....	C. E. Franklin.....	5-15-27	96.4
Frenchman River.....	do.....	C. E. Franklin.....	5-27-27	83.6
Frenchman River.....	do.....	C. E. Franklin.....	6-28-27	97.1
Frenchman River.....	do.....	C. E. Franklin.....	7- 9-27	52.4
Frenchman River.....	do.....	C. E. Franklin.....	7-22-27	70.9
Frenchman River.....	do.....	Franklin-Whitehead...	8- 7-27	85.4
Frenchman River.....	do.....	C. E. Franklin.....	8-20-27	65.9
Frenchman River.....	do.....	C. E. Franklin.....	9- 4-27	87.6
Frenchman River.....	do.....	C. E. Franklin.....	9-30-27	99.5
Frenchman River.....	Palisade.....	A. E. Johnston.....	10-14-26	36.6
Frenchman River.....	do.....	A. E. Johnston.....	11- 6-27	46.7
Frenchman River.....	do.....	A. W. Hall.....	2-15-27	137.8
Frenchman River.....	do.....	C. E. Franklin.....	3-29-27	291.0
Frenchman River.....	do.....	C. E. Franklin.....	4-18-27	301.0
Frenchman River.....	do.....	C. E. Franklin.....	4-30-27	99.7

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Frenchman River	Palisade	C. E. Franklin	5-15-27	97.4
Frenchman River	do	C. E. Franklin	5-28-27	10.4
Frenchman River	do	C. E. Franklin	6-28-27	57.4
Frenchman River	do	C. E. Franklin	7- 9-27	11.1
Frenchman River	do	C. E. Franklin	7-23-27	11.7
Frenchman River	do	Franklin-Whitehead	8- 7-27	16.1
Frenchman River	do	C. E. Franklin	8-22-27	14.1
Frenchman River	do	C. E. Franklin	9- 6-27	8.5
Frenchman River	Below Culbertson Canal	C. E. Franklin	5-28-27	0.5
Frenchman River	do	C. E. Franklin	7- 9-27	0.8
Frenchman River	do	C. E. Franklin	7-23-27	1.5
Frenchman River	do	C. E. Franklin	8- 7-27	1.5
Frenchman River	do	C. E. Franklin	8-19-27	1.0
Frenchman River	do	C. E. Franklin	9- 6-27	2.0
Frenchman River	W. of Culbertson, Section 16-3-31A.	E. Johnston	10-14-26	65.8
Frenchman River	do	A. E. Johnston	11- 6-26	82.7
Frenchman River	do	A. W. Hall	2-16-27	197.6
Frenchman River	do	C. E. Franklin	3-27-27	260.7
Frenchman River	do	C. E. Franklin	4-18-27	522.2
Frenchman River	do	C. E. Franklin	4-30-27	195.7
Frenchman River	do	C. E. Franklin	5-16-27	161.2
Frenchman River	do	C. E. Franklin	5-28-27	62.7
Frenchman River	do	C. E. Franklin	6-26-27	162.1
Frenchman River	do	C. E. Franklin	7- 9-27	31.7
Frenchman River	do	C. E. Franklin	7-25-27	41.8
Frenchman River	do	C. E. Franklin	8- 7-27	48.3
Frenchman River	do	C. E. Franklin	8-23-27	34.8
Frenchman River	do	C. E. Franklin	8- 7-27	30.0
Gering Drain	Section 6-21-54	A. E. Johnston	10- 4-26	87.6
Gering Drain	do	A. W. Hall	10-28-26	21.0
Gering Drain	do	A. W. Hall	1- 5-27	9.2
Gering Drain	do	A. W. Hall	1-31-27	14.7
Gering Drain	do	A. W. Hall	2-22-27	12.0
Gering Drain	do	A. E. Johnston	4- 1-27	16.6
Gering Drain	do	A. E. Johnston	4-26-27	25.5
Gering Drain	do	A. W. Hall	5-13-27	21.6
Gering Drain	do	A. W. Hall	5-26-27	36.8
Gering Drain	do	A. W. Hall	7- 8-27	46.2
Gering Drain	do	A. W. Hall	8- 3-27	89.2
Gering Drain	do	A. W. Hall	8-26-27	91.0
Gordon Creek	Section 30-33-28	A. E. Johnston	5-27-27	86.2
Gordon Creek	do	A. E. Johnston	9- 2-27	11.4
Gordon Creek	do	A. E. Johnston	9-22-27	12.0
Gothenburg Pr. Wst. W. 16 Street, Section 15-11-25		A. E. Johnston	10-22-26	89.9
Gothenburg Pr. Wst.	do	A. E. Johnston	11-10-26	103.6

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Gothenburg Pr. Wst.	W. 16 Street, Section 15-11-25	A. E. Johnston	5-19-27	24.8
Gothenburg Pr. Wst.	do	A. E. Johnston	6-11-27	0.0
Gothenburg Pr. Wst.	do	A. E. Johnston	7- 1-27	102.3
Gothenburg Pr. Wst.	do	A. E. Johnston	7-14-27	90.7
Gothenburg Pr. Wat.	do	A. E. Johnston	7-20-27	66.3
Gothenburg Pr. Wst.	do	A. E. Johnston	7-23-27	102.7
Gothenburg Pr. Wst.	do	A. E. Johnston	8- 9-27	83.3
Gothenburg Pr. Wst.	do	A. E. Johnston	8-20-27	69.7
Gothenburg Pr. Wst.	do	A. E. Johnston	9-13-27	97.0
Government Spring.	Below Ft. Robinson Pump Plant	A. E. Johnston	8-31-27	1.1
Government Spring.	do	A. E. Johnston	9-20-27	1.6
Government Spring.	Below Gov. Dam So. White Ri.	A. E. Johnston	8-31-27	0.3
Gravel Creek	Section 9-14-36	A. E. Johnston	10-26-26	2.3
Gravel Creek	do	A. E. Johnston	4- 6-27	2.4
Gravel Creek	do	A. E. Johnston	5- 5-27	2.2
Gravel Creek	do	A. E. Johnston	6-29-27	2.3
Gravel Creek	do	A. E. Johnston	7- 5-27	3.2
Gravel Creek	do	A. E. Johnston	9-15-27	2.1
Green's Well	Bushnell, Nebraska	C. E. Franklin	7- 1-27	0.2
Green's Well	do	C. E. Franklin	7- 7-27	0.6
Greenwood Creek	Mouth Section 26-20-50	A. W. Hall	5-18-27	19.0
Greenwood Creek	do	A. W. Hall	6- 7-27	0.0
Greenwood Creek	do	A. E. Johnston	6-18-27	6.3
Greenwood Creek	do	A. W. Hall	6-22-27	6.5
Greenwood Creek	do	A. E. Johnston	6-25-27	2.8
Greenwood Creek	do	A. W. Hall	7-21-27	0.0
Greenwood Creek	do	A. W. Hall	8-10-27	0.0
Greenwood Creek	Below H'dgate, Meglemre Canal	A. W. Hall	6- 7-27	10.9
Haines Branch	Section 3-9-6	A. E. Johnston	5-14-27	4.0
Haines Branch	do	A. E. Johnston	6- 6-27	3.5
Haines Branch	do	A. E. Johnston	7- 8-27	1.1
Haines Branch	do	A. E. Johnston	8-16-27	3.0
Hat Creek	Section 35-33-55, Above Coffee Canal	A. E. Johnston	6-21-27	6.8
Hat Creek	West of Ardmore	A. E. Johnston	6-22-27	55.8
Horse Creek	Section 24-23-58	A. E. Johnston	10- 6-26	84.3
Horse Creek	do	A. W. Hall	10-26-26	92.6
Horse Creek	do	A. W. Hall	11-29-26	49.7
Horse Creek	do	A. W. Hall	1- 6-27	41.4
Horse Creek	do	A. W. Hall	1-31-27	66.3

## DEPARTMENT OF PUBLIC WORKS

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## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Horse Creek	Section 24-23-58	A. W. Hall	2-24-27	101.4
Horse Creek	do	A. E. Johnston	3-30-27	32.1
Horse Creek	do	A. E. Johnston	4-25-27	108.6
Horse Creek	do	A. W. Hall	5-12-27	264.2
Horse Creek	do	A. W. Hall	5-25-27	169.5
Horse Creek	do	A. W. Hall	6-16-27	227.0
Horse Creek	do	A. W. Hall	7- 7-27	495.3
Horse Creek	do	A. W. Hall	8- 5-27	680.0
Horse Creek	do	A. W. Hall	8-26-27	325.0
Horse Creek	East of Parks, Section 23-1-39	A. E. Johnston	10-14-26	0.9
Horse Creek	do	A. E. Johnston	11- 5-26	2.9
Horse Creek	do	C. E. Franklin	4- 1-27	1.8
Horse Creek	do	Franklin-Whitehead	4-21-27	1.8
Horse Creek	do	C. E. Franklin	5- 3-27	0.8
Horse Creek	do	C. E. Franklin	5-30-27	1.0
Horse Creek	do	C. E. Franklin	6-29-27	1.3
Horse Creek	do	Franklin-Whitehead	7-11-27	0.9
Horse Creek	do	C. E. Franklin	7-27-27	0.7
Horse Creek	do	C. E. Franklin	8-16-27	0.2
Horse Creek	do	C. E. Franklin	9- 8-27	1.1
Indian Creek	Section 19-20-50, Northport, Wye	A. E. Johnston	10- 9-26	17.8
Indian Creek	do	A. W. Hall	10-15-26	19.6
Indian Creek	do	A. W. Hall	11- 4-26	21.0
Indian Creek	do	A. W. Hall	11-15-26	14.4
Indian Creek	do	A. W. Hall	1- 4-27	10.0
Indian Creek	do	A. W. Hall	1-25-27	5.1
Indian Creek	do	A. W. Hall	2-11-27	15.4
Indian Creek	do	A. W. Hall	3- 9-27	14.5
Indian Creek	do	A. W. Hall	4-11-27	9.7
Indian Creek	do	A. E. Johnston	4-22-27	9.0
Indian Creek	do	A. W. Hall	5-23-27	42.4
Indian Creek	do	A. W. Hall	6-13-27	50.5
Indian Creek	do	A. W. Hall	7-15-27	8.4
Indian Creek	do	A. W. Hall	8-27-27	37.7
Indian Creek	do	A. W. Hall	9-10-27	80.4
Indian Creek	East of Max, Section 23-2-36	A. W. Hall	7-16-27	3.6
Indian Creek	do	C. E. Franklin	3-31-27	6.1
Indian Creek	do	Franklin-Whitehead	4-19-27	4.3
Indian Creek	do	C. E. Franklin	5- 3-27	4.9
Indian Creek	do	Franklin-Whitehead	5-18-27	1.9
Indian Creek	do	C. E. Franklin	5-30-27	2.1
Indian Creek	do	C. E. Franklin	7-14-27	2.1
Indian Creek	do	C. E. Franklin	7-27-27	1.6
Indian Creek	do	C. E. Franklin	8-26-27	2.7
Indian Creek	do	C. E. Franklin	9- 8-27	2.4
Indian Creek	Section 5-32-50	A. W. Hall	2- 3-27	4.6

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Katzer Drain.....	Section 10-23-60.....	A. E. Johnston.....	10- 6-26	8.7
Katzer Drain.....	do.....	A. W. Hall.....	10-27-26	9.3
Katzer Drain.....	do.....	A. W. Hall.....	11-29-26	8.7
Katzer Drain.....	do.....	A. W. Hall.....	1- 6-27	3.6
Katzer Drain.....	do.....	A. E. Johnston.....	3-30-27	4.2
Katzer Drain.....	do.....	A. E. Johnston.....	4-25-27	17.9
Katzer Drain.....	do.....	A. W. Hall.....	5-12-27	14.1
Katzer Drain.....	do.....	A. W. Hall.....	5-25-27	18.9
Katzer Drain.....	do.....	A. W. Hall.....	6-16-27	27.8
Katzer Drain.....	do.....	A. W. Hall.....	7- 7-27	19.6
Katzer Drain.....	do.....	A. W. Hall.....	8- 4-27	61.3
Katzer Drain.....	do.....	A. W. Hall.....	8-26-27	49.9
Keya Paha River.....	Section 9-34-17, Brocksburg.....	A. E. Johnston.....	5-31-27	273.6
Keya Paha River.....	do.....	A. E. Johnston.....	9- 5-27	36.1
Keya Paha River.....	do.....	A. E. Johnston.....	9-23-27	38.0
Lane Drain.....	Section 30-23-57.....	A. E. Johnston.....	10- 6-26	5.3
Lane Drain.....	do.....	A. W. Hall.....	10-26-26	2.8
Lane Drain.....	do.....	A. W. Hall.....	2-12-27	2.4
Lane Drain.....	do.....	A. W. Hall.....	8- 5-27	6.5
Lane Drain.....	do.....	A. W. Hall.....	8-26-27	5.3
Laramie River.....	Ft. Laramie, Wyoming.....	A. E. Johnston.....	10- 6-26	137.0
Laramie River.....	do.....	A. W. Hall.....	6- 3-27	353.0
Lawrence Fork.....	Mouth, Section 19-19-51.....	A. W. Hall.....	1-25-27	3.4
Lawrence Fork.....	Section 36-19-52.....	A. W. Hall.....	6- 7-27	0.5
Lawrence Fork.....	do.....	A. W. Hall.....	6-22-27	0.3
Leander Creek.....	So. of Merriman, Sec. 33-34-37.....	A. E. Johnston.....	5-26-27	5.3
Leander Creek.....	do.....	A. E. Johnston.....	9- 2-27	0.2
Leander Creek.....	do.....	A. E. Johnston.....	9-22-27	0.9
Lincoln Co. Drain.....	Section 30-14-30.....	A. E. Johnston.....	10-25-26	81.8
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	11-12-26	79.8
Lincoln Co. Drain.....	do.....	A. W. Hall.....	1-12-27	55.5
Lincoln Co. Drain.....	do.....	A. W. Hall.....	2-16-27	45.4
Lincoln Co. Drain.....	do.....	A. W. Hall.....	3-23-27	52.2
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	4- 7-27	35.1
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	4-18-27	65.1
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	5- 6-27	31.0
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	5-20-27	66.4
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	6-14-27	88.5
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	6-30-27	80.7
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	7-15-27	108.9
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	7-25-27	120.7
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	8- 6-27	121.1
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	8-23-27	101.7
Lincoln Co. Drain.....	do.....	A. E. Johnston.....	9-14-27	95.4

## STREAM MEASUREMENTS—Continued

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Lodgepole Creek	Section 11-14-59	A. W. Hall	12- 2-26	4.4
Wyoming-Nebraska Line				
Lodgepole Creek	do	A. W. Hall	1-24-27	5.8
Lodgepole Creek	do	A. W. Hall	2-12-27	7.6
Lodgepole Creek	do	C. E. Franklin	4- 6-27	6.0
Lodgepole Creek	do	C. E. Franklin	4-27-27	6.8
Lodgepole Creek	do	C. E. Franklin	5-11-27	32.9
Lodgepole Creek	do	C. E. Franklin	5-25-27	4.1
Lodgepole Creek	do	C. E. Franklin	7- 1-27	4.4
Lodgepole Creek	do	C. E. Franklin	7-16-27	3.8
Lodgepole Creek	do	C. E. Franklin	8- 3-27	5.6
Lodgepole Creek	do	C. E. Franklin	8-17-27	4.4
Lodgepole Creek	do	C. E. Franklin	9- 1-27	3.9
Lodgepole Creek	do	C. E. Franklin	9-26-27	4.5
South of Bushnell, above				
Lodgepole Creek	Green's Well, Section 32-15-57	A. W. Hall	12- 3-26	13.5
Lodgepole Creek	do	A. W. Hall	1-24-27	11.6
Lodgepole Creek	do	A. W. Hall	2-12-27	13.6
Lodgepole Creek	do	C. E. Franklin	7- 8-27	7.1
Lodgepole Creek	Below Green's Well, Sec. 32-15-57	C. E. Franklin	7- 8-27	9.3
Above Kimball Reservoir				
Lodgepole Creek	Section 33-15-57	A. E. Johnston	10-11-26	13.1
Lodgepole Creek	do	A. E. Johnston	11- 3-26	13.7
Lodgepole Creek	do	A. W. Hall	12- 2-26	15.8
Lodgepole Creek	do	A. W. Hall	1-24-27	12.8
Lodgepole Creek	do	A. W. Hall	2-12-27	18.5
Lodgepole Creek	do	C. E. Franklin	4- 6-27	15.6
Lodgepole Creek	do	C. E. Franklin	4-27-27	24.6
Lodgepole Creek	do	C. E. Franklin	5-11-27	4.1
Lodgepole Creek	do	C. E. Franklin	5-25-27	16.7
Lodgepole Creek	do	C. E. Franklin	7- 1-27	12.7
Lodgepole Creek	do	C. E. Franklin	7-16-27	6.6
Lodgepole Creek	do	C. E. Franklin	8- 4-27	10.6
Lodgepole Creek	do	C. E. Franklin	8-17-27	12.8
Lodgepole Creek	do	A. W. Hall	8-22-27	13.2
Lodgepole Creek	do	C. E. Franklin	9- 1-27	13.1
Lodgepole Creek	do	C. E. Franklin	9-26-27	14.6
Lodgepole Creek	Below Kimball Res., Sec. 36-15-37	A. E. Johnston	10-12-26	2.4
Lodgepole Creek	do	A. E. Johnston	11- 3-26	1.6
Lodgepole Creek	do	A. W. Hall	12- 2-26	5.6
Lodgepole Creek	do	A. W. Hall	12-27-26	3.1
Lodgepole Creek	do	A. W. Hall	1-24-27	3.9
Lodgepole Creek	do	A. W. Hall	2-12-27	4.7
Lodgepole Creek	do	C. E. Franklin	4- 6-27	1.1
Lodgepole Creek	do	C. E. Franklin	4-27-27	4.6

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Lodgepole Creek	Below Kimball Res., Sec. 36-15-37	C. E. Franklin	5-11-27	10.1
Lodgepole Creek	do	C. E. Franklin	5-25-27	2.6
Lodgepole Creek	do	C. E. Franklin	7- 1-27	2.9
Lodgepole Creek	do	C. E. Franklin	7-16-27	3.6
Lodgepole Creek	do	C. E. Franklin	8- 4-27	3.9
Lodgepole Creek	do	C. E. Franklin	8-17-27	2.2
Lodgepole Creek	do	A. W. Hall	8-22-27	0.9
Lodgepole Creek	do	C. E. Franklin	9- 1-27	0.7
Lodgepole Creek	do	C. E. Franklin	9-25-27	1.7
Lodgepole Creek	No. of Kimball, Section 30-15-55	A. E. Johnston	10-12-26	8.9
Lodgepole Creek	do	A. E. Johnston	11- 2-26	5.3
Lodgepole Creek	do	A. W. Hall	12- 2-26	12.0
Lodgepole Creek	do	A. W. Hall	2-13-27	12.0
Lodgepole Creek	do	C. E. Franklin	4- 6-27	7.0
Lodgepole Creek	do	C. E. Franklin	4-26-27	13.6
Lodgepole Creek	do	C. E. Franklin	5-11-27	35.7
Lodgepole Creek	do	C. E. Franklin	5-24-27	2.9
Lodgepole Creek	do	C. E. Franklin	7- 1-27	9.5
Lodgepole Creek	do	C. E. Franklin	7-16-27	7.6
Lodgepole Creek	do	C. E. Franklin	8- 4-27	11.6
Lodgepole Creek	do	C. E. Franklin	8-14-27	11.6
Lodgepole Creek	do	C. E. Franklin	8-31-27	7.2
Lodgepole Creek	do	C. E. Franklin	9-24-27	6.5
Lodgepole Creek	Above Bennett Res., Sec. 21-15-55	C. E. Franklin	8- 5-27	2.0
Lodgepole Creek	do	C. E. Franklin	8-17-27	1.0
Lodgepole Creek	do	C. E. Franklin	9- 1-27	0.6
Lodgepole Creek	Above Hurley-Lilly-Polly Canal Section 26-15-56	A. W. Hall	8- 2-27	12.8
Lodgepole Creek	No. of Dix, Section 26-15-54	A. E. Johnston	10-11-26	0.0
Lodgepole Creek	do	A. E. Johnston	11- 2-26	0.0
Lodgepole Creek	do	A. W. Hall	2-15-27	0.0
Lodgepole Creek	do	C. E. Franklin	4- 5-27	1.1
Lodgepole Creek	do	C. E. Franklin	4-27-27	6.8
Lodgepole Creek	do	C. E. Franklin	5-12-27	8.1
Lodgepole Creek	do	C. E. Franklin	5-26-27	0.0
Lodgepole Creek	do	C. E. Franklin	8- 5-27	0.0
Lodgepole Creek	do	C. E. Franklin	8-17-27	0.0
Lodgepole Creek	do	C. E. Franklin	9- 1-27	0.0
Lodgepole Creek	West of Potter, Section 6-14-52	A. E. Johnston	10-11-26	0.0
Lodgepole Creek	do	A. E. Johnston	11- 2-26	0.0
Lodgepole Creek	do	A. W. Hall	2-15-27	0.0
Lodgepole Creek	So. of Sidney, Section 32-14-49	A. E. Johnston	10-12-26	2.1
Lodgepole Creek	do	A. E. Johnston	11- 3-26	2.8
Lodgepole Creek	do	A. W. Hall	12- 3-26	3.1

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Lodgepole Creek.....	South of Sidney, Section 32-14-49 A.	W. Hall.....	2-14-27	2.5
Lodgepole Creek.....	do.....	C. E. Franklin.....	3-24-27	5.9
Lodgepole Creek.....	do.....	C. E. Franklin.....	4-10-27	5.6
Lodgepole Creek.....	do.....	C. E. Franklin.....	4-28-27	7.4
Lodgepole Creek.....	do.....	C. E. Franklin.....	5-12-27	11.4
Lodgepole Creek.....	do.....	C. E. Franklin.....	7-20-27	2.9
Lodgepole Creek.....	do.....	C. E. Franklin.....	8-18-27	1.9
Lodgepole Creek.....	do.....	C. E. Franklin.....	9- 2-27	3.3
Lodgepole Creek.....	do.....	C. E. Franklin.....	9-28-27	2.2
Lodgepole Creek.....	Pects Ranch, Section 35-14-49.....	C. E. Franklin.....	7-20-27	6.7
Lodgepole Creek.....	do.....	C. E. Franklin.....	8-18-27	8.0
Lodgepole Creek.....	West of Lodgepole, Sec. 30-14-46 C.	E. Franklin.....	3-24-27	18.6
Lodgepole Creek.....	do.....	C. E. Franklin.....	4-10-27	15.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	4-28-27	23.9
Lodgepole Creek.....	do.....	C. E. Franklin.....	5-12-27	13.1
Lodgepole Creek.....	do.....	C. E. Franklin.....	7-21-27	4.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	8-19-27	6.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	9- 2-27	4.8
Lodgepole Creek.....	do.....	C. E. Franklin.....	9-28-27	11.7
Lodgepole Creek.....	Chappell, Section 21-13-45.....	A. W. Hall.....	2-14-27	7.7
Lodgepole Creek.....	do.....	C. E. Franklin.....	3-24-27	24.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	4-11-27	19.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	4-28-27	31.8
Lodgepole Creek.....	do.....	C. E. Franklin.....	5-12-27	26.1
Lodgepole Creek.....	do.....	C. E. Franklin.....	7-15-27	0.3
Lodgepole Creek.....	do.....	C. E. Franklin.....	8-19-27	7.7
Lodgepole Creek.....	do.....	C. E. Franklin.....	9- 3-27	7.7
Lodgepole Creek.....	do.....	C. E. Franklin.....	9-28-27	1.3
Lodgepole Creek.....	Interstate Station, Sec. 12-12-45. A.	E. Johnston.....	10-12-26	3.8
Lodgepole Creek.....	do.....	A. W. Hall.....	2-14-27	13.9
Lodgepole Creek.....	do.....	C. E. Franklin.....	3-24-27	29.1
Lodgepole Creek.....	do.....	C. E. Franklin.....	4-11-27	19.0
Lodgepole Creek.....	do.....	C. E. Franklin.....	4-29-27	36.0
Lodgepole Creek.....	do.....	C. E. Franklin.....	5-12-27	25.8
Lodgepole Creek.....	do.....	C. E. Feetham.....	5-17-27	*15.8
Lodgepole Creek.....	do.....	C. E. Franklin.....	7- 7-27	0.8
Lodgepole Creek.....	do.....	C. E. Feetham.....	7-19-27	*0.9
Lodgepole Creek.....	do.....	C. E. Franklin.....	8-19-27	12.5
Lodgepole Creek.....	do.....	C. E. Franklin.....	9- 3-27	8.4
Lodgepole Creek.....	do.....	C. E. Feetham.....	9-15-27	*3.8
Lodgepole Creek.....	do.....	C. E. Franklin.....	9-29-27	3.6
Lodgepole Creek.....	Ovid, Colo., Section 5-11-45.....	A. E. Johnston.....	10-12-26	9.1
Lodgepole Creek.....	do.....	A. E. Johnston.....	11- 3-26	4.8
Lodgepole Creek.....	do.....	C. E. Franklin.....	4-12-27	20.4
Lodgepole Creek.....	do.....	C. E. Franklin.....	4-29-27	33.0

\* Colorado measurements.



## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Lonerган Creek	Section 19-15-39	A. E. Johnston	10-26-26	4.1
Lonerган Creek	do.	A. E. Johnston	11-12-26	8.3
Lonerган Creek	do.	A. W. Hall	2-18-27	9.4
Lonerган Creek	do.	A. W. Hall	3-23-27	14.4
Lonerган Creek	do.	A. E. Johnston	4- 6-27	7.9
Lonerган Creek	do.	A. E. Johnston	4-19-27	8.6
Lonerган Creek	do.	A. E. Johnston	5- 4-27	7.0
Lonerган Creek	do.	A. E. Johnston	5-20-27	5.9
Lonerган Creek	do.	A. E. Johnston	6-15-27	4.5
Lonerган Creek	do.	A. E. Johnston	6-29-27	5.9
Lonerган Creek	do.	A. E. Johnston	7-16-27	5.3
Lonerган Creek	do.	A. E. Johnston	7-26-27	2.4
Lonerган Creek	do.	A. E. Johnston	8- 5-27	4.5
Lonerган Creek	do.	A. E. Johnston	8-24-27	4.3
Lonerган Creek	do.	A. E. Johnston	9-15-27	6.6
Loup River	So. of St. Paul, Section 10-14-10	A. E. Johnston	5-11-27	1643.0
Loup River	do.	A. E. Johnston	6- 3-27	1387.0
Loup River	do.	A. E. Johnston	9- 8-27	5992.0
Loup River	do.	A. E. Johnston	9-27-27	1825.0
Loup River (North)	No. of St. Paul, Section 15-15-10	A. E. Johnston	5-11-27	1339.0
Loup River (North)	do.	A. E. Johnston	6- 2-27	1300.0
Loup River (North)	do.	A. E. Johnston	9- 7-27	1696.0
Loup River (North)	do.	A. E. Johnston	9-27-27	1230.0
Loup River (South)	Pleasanton, Section 35-12-16	A. E. Johnston	5- 9-27	209.0
Loup River (South)	do.	A. E. Johnston	6- 8-27	1717.0
Loup River (South)	do.	A. E. Johnston	7- 5-27	130.0
Loup River (South)	do.	A. E. Johnston	8-11-27	132.0
Loup River (South)	do.	A. E. Johnston	9-10-27	217.0
Loup River (South)	Ravenna	A. E. Johnston	4-14-27	2873.0
Loup River (North)	Taylor, Section 22-21-18	A. E. Johnston	5-10-27	1006.0
Loup River (North)	do.	A. E. Johnston	9-30-27	624.0
Loup River (Middle)	Sargent, Section 11-19-18	A. E. Johnston	5-10-27	1325.0
Loup River (Middle)	do.	A. E. Johnston	9-30-27	1136.0
Loup River (Middle)	Loup City	A. E. Johnston	8-12-27	1008.0
McGuire's Slough	Section 21-6-40	C. E. Franklin	3-30-27	3.3
McGuire's Slough	do.	C. E. Franklin	4-18-27	3.6
McGuire's Slough	do.	C. E. Franklin	4-29-27	2.2
McGuire's Slough	do.	C. E. Franklin	5-14-27	2.6
McGuire's Slough	do.	C. E. Franklin	5-27-27	2.6
McGuire's Slough	do.	C. E. Franklin	6-28-27	3.4
McGuire's Slough	do.	C. E. Franklin	7- 8-27	2.1
McGuire's Slough	do.	C. E. Franklin	7-22-27	2.4

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
McGuires Slough.....	Section 21-6-40.....	C. E. Franklin.....	8- 6-27	2.1
McGuires Slough.....	do.....	C. E. Franklin.....	8-20-27	2.3
McGuires Slough.....	do.....	C. E. Franklin.....	9- 4-27	2.6
McGuires Slough.....	do.....	C. E. Franklin.....	9-30-27	1.8
Medicine Creek.....	No. of Cambridge, Sec. 1S-4-25 A.	E. Johnston.....	10-15-26	37.7
Medicine Creek.....	do.....	A. E. Johnston.....	11- 6-26	31.1
Medicine Creek.....	do.....	Franklin-Whitehead...	3-28-27	66.5
Medicine Creek.....	do.....	C. E. Franklin.....	4-16-27	305.5
Medicine Creek.....	do.....	C. E. Franklin.....	5- 1-27	57.7
Medicine Creek.....	do.....	C. E. Franklin.....	5-17-27	63.0
Medicine Creek.....	do.....	C. E. Franklin.....	5-29-27	40.2
Medicine Creek.....	do.....	C. E. Franklin.....	7-12-27	35.5
Medicine Creek.....	do.....	C. E. Franklin.....	7-26-27	69.2
Medicine Creek.....	do.....	C. E. Franklin.....	8- 9-27	70.0
Medicine Creek.....	do.....	C. E. Franklin.....	8-24-27	38.3
Medicine Creek.....	do.....	C. E. Franklin.....	9- 5-27	32.4
Melbeta Seep.....	Section 13-21-54.....	A. E. Johnston.....	10- 4-26	7.2
Melbeta Seep.....	do.....	A. W. Hall.....	10-28-26	5.5
Melbeta Seep.....	do.....	A. W. Hall.....	1- 5-27	8.0
Melbeta Seep.....	do.....	A. W. Hall.....	1-31-27	3.7
Melbeta Seep.....	do.....	A. W. Hall.....	2-22-27	3.1
Melbeta Seep.....	do.....	A. W. Hall.....	3-10-27	4.2
Melbeta Seep.....	do.....	A. E. Johnston.....	4- 1-27	6.9
Melbeta Seep.....	do.....	A. E. Johnston.....	4-22-27	11.9
Melbeta Seep.....	do.....	A. E. Johnston.....	4-27-27	9.0
Melbeta Seep.....	do.....	A. W. Hall.....	5-11-27	5.3
Melbeta Seep.....	do.....	A. W. Hall.....	5-26-27	2.2
Melbeta Seep.....	do.....	A. W. Hall.....	8- 2-27	5.3
Minnehuduza Creek.....	Section 2S-34-27.....	A. E. Johnston.....	5-28-27	62.7
Minnehuduza Creek.....	do.....	A. E. Johnston.....	9- 3-27	12.9
Minnehuduza Creek.....	do.....	A. E. Johnston.....	9-23-27	11.8
Mira Creek.....	Section 26-1S-13.....	A. E. Johnston.....	5-11-27	2.4
Section 3S-23-56, from				
Mitchell Spillway.....	Tri State Canal.....	A. E. Johnston.....	10- 5-26	30.4
Mitchell Spillway.....	do.....	A. W. Hall.....	10-26-26	28.7
Mitchell Spillway.....	do.....	A. W. Hall.....	11-16-26	24.8
Mitchell Spillway.....	do.....	A. W. Hall.....	2-24-27	5.1
Mitchell Spillway.....	do.....	A. W. Hall.....	3-10-27	3.8
Mitchell Spillway.....	do.....	A. E. Johnston.....	3-29-27	5.2
Mitchell Spillway.....	do.....	A. E. Johnston.....	4-26-27	19.4
Mitchell Spillway.....	do.....	A. W. Hall.....	5-12-27	3.6
Mitchell Spillway.....	do.....	A. W. Hall.....	5-25-27	114.3
Mitchell Spillway.....	do.....	A. W. Hall.....	6-27-27	224.4
Mitchell Spillway.....	do.....	A. W. Hall.....	7- 6-27	130.5

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Section 35-23-56, from				
Mitchell Spillway	Tri State Canal	A. W. Hall	8- 3-27	234.5
Mitchell Spillway	do.	A. W. Hall	8-25-27	.0
Section 13-23-57				
Morrill Drain	do.	A. E. Johnston	10- 7-26	3.8
Morrill Drain	do.	A. W. Hall	10-27-26	3.9
Morrill Drain	do.	A. W. Hall	5-12-27	1.3
Morrill Drain	do.	A. W. Hall	5-26-27	0.4
Morrill Drain	do.	A. W. Hall	6-17-27	1.0
Morrill Drain	do.	A. W. Hall	7- 8-27	.0
Morrill Drain	do.	A. W. Hall	8- 4-27	3.0
Morrill Drain	do.	A. W. Hall	8-26-27	3.0
Section 16-4-23				
Muddy Creek	do.	A. E. Johnston	10-15-26	6.3
Muddy Creek	do.	A. E. Johnston	11- 6-26	23.5
Muddy Creek	do.	C. E. Franklin	3-28-27	4.5
Muddy Creek	do.	Franklin-Whitehead	4-16-27	14.1
Muddy Creek	do.	C. E. Franklin	5- 1-27	5.8
Muddy Creek	do.	C. E. Franklin	5-17-27	6.0
Muddy Creek	do.	C. E. Franklin	5-29-27	4.6
Muddy Creek	do.	C. E. Franklin	7-12-27	1.8
Muddy Creek	do.	C. E. Franklin	7-26-27	1.7
Muddy Creek	do.	C. E. Franklin	8- 9-27	9.8
Muddy Creek	do.	C. E. Franklin	8-24-27	1.6
Muddy Creek	do.	C. E. Franklin	9- 5-27	0.8
Berwyn, Section 9-16-19				
Muddy Creek	do.	A. E. Johnston	4-13-27	65.9
Muddy Creek	do.	A. E. Johnston	5- 9-27	5.1
Muddy Creek	do.	A. E. Johnston	6- 9-27	4.3
Muddy Creek	do.	A. E. Johnston	7- 5-27	3.5
Muddy Creek	do.	A. E. Johnston	8-11-27	4.1
Muddy Creek	do.	A. E. Johnston	9- 9-27	2.6
Muddy Creek	do.	A. E. Johnston	9-29-27	4.1
Mason City, Section 31-15-17				
Muddy Creek	do.	A. E. Johnston	4-13-27	190.0
Muddy Creek	do.	A. E. Johnston	5- 9-27	21.0
Muddy Creek	do.	A. E. Johnston	6- 9-27	37.0
Muddy Creek	do.	A. E. Johnston	7- 5-27	19.9
Muddy Creek	do.	A. E. Johnston	8-11-27	13.2
Muddy Creek	do.	A. E. Johnston	9- 9-27	27.9
Muddy Creek	do.	A. E. Johnston	9-29-27	13.5
Hazard, Section 29-13-15				
Muddy Creek	do.	A. E. Johnston	5- 9-27	42.2
Muddy Creek	do.	A. E. Johnston	6- 9-27	83.6
Muddy Creek	do.	A. E. Johnston	7- 5-27	22.0
Muddy Creek	do.	A. E. Johnston	8-11-27	21.9
Muddy Creek	do.	A. E. Johnston	9- 9-27	171.2
Muddy Creek	do.	A. E. Johnston	9-29-27	29.4
Wyoming-Nebraska Line,				
Niobrara River	Section 20-31-53	A. E. Johnston	6-21-27	14.1
Niobrara River	do.	A. E. Johnston	8-30-27	9.0

## DEPARTMENT OF PUBLIC WORKS

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## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Niobrara River	Section 7-28-53	A. E. Johnston	5-24-27	49.8
Niobrara River	do	A. E. Johnston	6-20-27	32.9
Niobrara River	do	A. E. Johnston	8-30-27	36.9
Niobrara River	Agate, Section 7-28-55	A. E. Johnston	5-24-27	40.8
Niobrara River	do	A. E. Johnston	6-21-27	35.5
Niobrara River	do	A. E. Johnston	8-30-27	29.4
Niobrara River	Section 4-28-54	A. E. Johnston	5-24-27	41.7
Niobrara River	do	A. E. Johnston	6-20-27	42.9
Niobrara River	do	A. E. Johnston	8-30-27	27.1
Niobrara River	So. of Harrison, Section 9-29-56	A. E. Johnston	5-24-27	25.3
Niobrara River	do	A. E. Johnston	6-21-27	29.9
Niobrara River	do	A. E. Johnston	8-30-27	21.7
Niobrara River	Marsland, Section 5-28-51	A. E. Johnston	10-28-26	38.5
Niobrara River	do	A. E. Johnston	3-24-27	55.5
Niobrara River	do	A. E. Johnston	4-28-27	95.5
Niobrara River	do	A. E. Johnston	5-24-27	63.4
Niobrara River	do	A. E. Johnston	6-20-27	55.9
Niobrara River	do	A. E. Johnston	8- 2-27	32.3
Niobrara River	do	A. E. Johnston	8-30-27	39.4
Niobrara River	do	A. E. Johnston	9-20-27	28.8
Niobrara River	Dunlap, Section 27-29-48	A. E. Johnston	10-29-26	50.2
Niobrara River	do	A. W. Hall	2- 2-27	69.4
Niobrara River	do	A. E. Johnston	3-25-27	81.8
Niobrara River	do	A. E. Johnston	4-29-27	118.7
Niobrara River	do	A. E. Johnston	5-24-27	92.1
Niobrara River	do	A. E. Johnston	6-23-27	43.9
Niobrara River	do	A. E. Johnston	7-30-27	52.0
Niobrara River	do	A. E. Johnston	8-29-27	75.9
Niobrara River	do	A. E. Johnston	9-20-27	56.3
Niobrara River	So. Eli, Section 8-33-35	A. E. Johnston	5-27-27	378.0
Niobrara River	do	A. E. Johnston	9- 2-27	319.4
Niobrara River	do	A. E. Johnston	9-22-27	308.4
Niobrara River	Valentine, Section 28-34-27	A. E. Johnston	5-28-27	1161.0
Niobrara River	do	A. E. Johnston	9- 3-27	998.0
Niobrara River	do	A. E. Johnston	9-23-27	1027.0
Niobrara River	So. Lynch, Section 1-32-10	A. E. Johnston	6- 1-27	2739.0
Niobrara River	do	A. E. Johnston	9- 6-27	1085.0
Niobrara River	do	A. E. Johnston	9-24-27	1103.0
Otter Creek	Section 9-15-10	A. E. Johnston	10-26-26	26.2
Otter Creek	do	A. E. Johnston	11-12-26	26.5
Otter Creek	do	A. W. Hall	2-17-27	14.1
Otter Creek	do	A. W. Hall	3-23-27	5.1

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Otter Creek.....	Section 9-15-40.....	A. E. Johnston.....	4- 6-27	20.6
Otter Creek.....	do.....	A. E. Johnston.....	4-19-27	31.8
Otter Creek.....	do.....	A. E. Johnston.....	5- 4-27	5.1
Otter Creek.....	do.....	A. E. Johnston.....	5-21-27	28.3
Otter Creek.....	do.....	A. E. Johnston.....	6-15-27	32.4
Otter Creek.....	do.....	A. E. Johnston.....	6-29-27	10.4
Otter Creek.....	do.....	A. E. Johnston.....	7-16-27	0.7
Otter Creek.....	do.....	A. E. Johnston.....	7-26-27	0.7
Otter Creek.....	do.....	A. E. Johnston.....	8- 5-27	27.1
Otter Creek.....	do.....	A. E. Johnston.....	8-24-27	2.4
Otter Creek.....	do.....	A. E. Johnston.....	9-15-27	26.6
Pawnee Creek.....	Section 3-13-27.....	A. E. Johnston.....	10-22-26	5.8
Pawnee Creek.....	do.....	A. W. Hall.....	3-23-27	16.0
Pawnee Creek.....	do.....	A. E. Johnston.....	4- 8-27	11.2
Pawnee Creek.....	do.....	A. E. Johnston.....	4-16-27	24.7
Pawnee Creek.....	do.....	A. E. Johnston.....	5- 6-27	14.8
Pawnee Creek.....	do.....	A. E. Johnston.....	5-19-27	7.2
Pawnee Creek.....	do.....	A. E. Johnston.....	6-11-27	5.6
Pawnee Creek.....	do.....	A. E. Johnston.....	7- 1-27	5.8
Pawnee Creek.....	do.....	A. E. Johnston.....	7-14-27	3.8
Pawnee Creek.....	do.....	A. E. Johnston.....	8- 8-27	7.3
Pawnee Creek.....	do.....	A. E. Johnston.....	8-20-27	7.9
Pawnee Creek.....	do.....	A. E. Johnston.....	9-13-27	5.7
Pepper Creek.....	Section 35-30-48.....	A. E. Johnston.....	4-29-27	1.0
Pepper Creek.....	do.....	A. E. Johnston.....	6-23-27	0.5
Pine Creek.....	Section 33-30-44.....	A. E. Johnston.....	9- 1-27	25.9
Pine Creek.....	do.....	A. E. Johnston.....	9-21-27	18.3
Ponca Creek.....	Section 14-33-10.....	A. E. Johnston.....	6- 1-27	101.2
Ponca Creek.....	do.....	A. E. Johnston.....	9- 6-27	21.2
Ponca Creek.....	do.....	A. E. Johnston.....	9-24-27	2.8
Prairie Dog Creek.....	Section 20-1-17.....	A. E. Johnston.....	10-16-26	1.7
Pullen Drain.....	Section 10-23-60.....	A. W. Hall.....	10-27-26	1.6
Pullen Drain.....	do.....	A. W. Hall.....	3-11-27	1.2
Pullen Drain.....	do.....	W. Hall.....	5-12-27	1.6
Pullen Drain.....	do.....	A. W. Hall.....	5-25-27	0.8
Pullen Drain.....	do.....	A. W. Hall.....	6-16-27	2.1
Pumpkinseed Creek.....	Section 12-19-50.....	A. E. Johnston.....	10- 9-26	35.9
Pumpkinseed Creek.....	do.....	A. W. Hall.....	11-15-26	33.5
Pumpkinseed Creek.....	do.....	A. W. Hall.....	1- 4-27	54.1
Pumpkinseed Creek.....	do.....	A. W. Hall.....	1-25-27	50.3
Pumpkinseed Creek.....	do.....	A. W. Hall.....	2-10-27	48.3
Pumpkinseed Creek.....	do.....	A. W. Hall.....	3- 8-27	62.6
Pumpkinseed Creek.....	do.....	A. E. Johnston.....	4- 4-27	62.5
Pumpkinseed Creek.....	do.....	A. E. Johnston.....	4-21-27	119.6

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## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Pumpkinseed Creek.....Section	12-19-50.....	A. W. Hall.....	5-10-27	48.5
Pumpkinseed Creek.....	do.....	A. W. Hall.....	5-18-27	52.8
Pumpkinseed Creek.....	do.....	A. W. Hall.....	6- 7-27	58.6
Pumpkinseed Creek.....	do.....	A. E. Johnston.....	6-18-27	60.7
Pumpkinseed Creek.....	do.....	A. W. Hall.....	6-22-27	74.5
Pumpkinseed Creek.....	do.....	A. W. Hall.....	7-21-27	25.0
Pumpkinseed Creek.....	do.....	A. E. Johnston.....	8- 4-27	63.7
Pumpkinseed Creek.....	do.....	A. W. Hall.....	8-10-27	63.0
Pumpkinseed Creek.....	do.....	A. W. Hall.....	8-23-27	63.1
Pumpkinseed Creek.....Section	28-19-50.....	A. W. Hall.....	1-25-27	29.8
Pumpkinseed Creek.....	do.....	A. W. Hall.....	2-10-27	34.6
Pumpkinseed Creek.....	do.....	A. W. Hall.....	5-18-27	15.6
Pumpkinseed Creek.....	do.....	A. W. Hall.....	6- 7-27	39.8
Pumpkinseed Creek.....	do.....	A. E. Hall.....	7-21-27	8.2
Pumpkinseed Creek.....	do.....	A. W. Hall.....	8-10-27	27.4
Pumpkinseed Creek.....	do.....	A. W. Hall.....	8-23-27	41.8
Pumpkinseed Creek.....Below Head of Mutual Canal.....		A. W. Hall.....	6- 7-27	37.0
Pumpkinseed Creek.....Gering-Kimball Highway, Section	4-19-55.....	C. E. Franklin.....	4- 6-27	11.7
Pumpkinseed Creek.....	do.....	C. E. Franklin.....	4-26-27	15.8
Pumpkinseed Creek.....	do.....	C. E. Franklin.....	5-11-27	68.8
Pumpkinseed Creek.....	do.....	C. E. Franklin.....	5-24-27	6.3
Pumpkinseed Creek.....	do.....	C. E. Franklin.....	7- 1-27	11.2
Pumpkinseed Creek.....	do.....	C. E. Franklin.....	7-16-27	6.0
Pumpkinseed Creek.....	do.....	C. E. Franklin.....	8- 2-27	10.2
Pumpkinseed Creek.....	do.....	C. E. Franklin.....	8-16-27	6.3
Pumpkinseed Creek.....	do.....	C. E. Franklin.....	8-31-27	5.9
Pumpkinseed Creek.....	do.....	C. E. Franklin.....	9-24-27	7.2
Rawhide Creek.....One Mile East of Lingle, Wyo.		A. E. Johnston.....	10- 6-26	22.3
Rawhide Creek.....	do.....	A. W. Hall.....	6- 3-27	36.1
Red Bird Creek.....Section	11-32-10.....	A. E. Johnston.....	6- 1-27	48.3
Red Bird Creek.....	do.....	A. E. Johnston.....	9- 6-27	28.6
Red Bird Creek.....	do.....	A. E. Johnston.....	9-21-27	34.4
Red Willow Creek.....Section	6-20-51.....	A. E. Johnston.....	10- 4-26	124.1
Red Willow Creek.....	do.....	A. W. Hall.....	10-15-26	58.3
Red Willow Creek.....	do.....	A. W. Hall.....	11- 4-26	54.1
Red Willow Creek.....	do.....	A. W. Hall.....	11-15-26	58.0
Red Willow Creek.....	do.....	A. W. Hall.....	1- 4-27	51.1
Red Willow Creek.....	do.....	A. W. Hall.....	1-25-27	39.2
Red Willow Creek.....	do.....	A. W. Hall.....	2-11-27	43.7
Red Willow Creek.....	do.....	A. W. Hall.....	3- 9-27	39.4
Red Willow Creek.....	do.....	A. E. Johnston.....	3-28-27	37.8
Red Willow Creek.....	do.....	A. E. Johnston.....	4-27-27	50.7
Red Willow Creek.....	do.....	A. W. Hall.....	5-11-27	38.7

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Red Willow Creek.....Section	6-20-51.....	A. W. Hall.....	5-23-27	218.0
Red Willow Creek.....	do.....	A. W. Hall.....	6- 8-27	76.7
Red Willow Creek.....	do.....	A. W. Hall.....	7- 9-27	42.1
Red Willow Creek.....	do.....	A. W. Hall.....	7-26-27	30.2
Red Willow Creek.....	do.....	A. W. Hall.....	8-10-27	254.2
Red Willow Creek.....Section	17-3-28.....	A. E. Johnston.....	10-15-26	12.6
Red Willow Creek.....	do.....	A. E. Johnston.....	11- 6-26	11.8
Red Willow Creek.....	do.....	C. E. Franklin.....	4-28-27	49.3
Red Willow Creek.....	do.....	Franklin-Whitehead...	4-16-27	239.8
Red Willow Creek.....	do.....	C. E. Franklin.....	5- 1-27	43.8
Red Willow Creek.....	do.....	C. E. Franklin.....	5-16-27	23.4
Red Willow Creek.....	do.....	C. E. Franklin.....	5-29-27	25.3
Red Willow Creek.....	do.....	Franklin-Whitehead...	6-21-27	52.1
Red Willow Creek.....	do.....	C. E. Franklin.....	7-12-27	16.5
Red Willow Creek.....	do.....	C. E. Franklin.....	7-26-27	7.1
Red Willow Creek.....	do.....	C. E. Franklin.....	8- 8-27	12.6
Red Willow Creek.....	do.....	C. E. Franklin.....	8-24-27	6.2
Red Willow Creek.....	do.....	C. E. Franklin.....	9- 5-27	6.3
Republican River.....Colo-Nebr Line, Section	9-1-42.....	C. E. Franklin.....	4- 1-27	76.8
Republican River.....	do.....	Franklin-Whitehead...	4-21-27	83.2
Republican River.....	do.....	C. E. Franklin.....	5- 4-27	62.2
Republican River.....	do.....	Franklin-Whitehead...	5-18-27	32.4
Republican River.....	do.....	C. E. Franklin.....	5-30-27	13.6
Republican River.....	do.....	C. E. Franklin.....	6-29-27	13.3
Republican River.....	do.....	C. E. Franklin.....	7-14-27	17.4
Republican River.....	do.....	C. E. Franklin.....	7-27-27	11.7
Republican River.....	do.....	C. E. Franklin.....	8-26-27	20.8
Republican River.....	do.....	C. E. Franklin.....	9- 8-27	22.9
Republican River.....Sanborn, Section	11-1-42.....	A. E. Johnston.....	10-14-26	52.3
Republican River.....	do.....	A. E. Johnston.....	11- 5-26	68.2
Republican River.....	do.....	C. E. Franklin.....	4- 1-27	93.0
Republican River.....	do.....	Franklin-Whitehead...	4-21-27	92.9
Republican River.....	do.....	C. E. Franklin.....	5- 4-27	56.8
Republican River.....	do.....	Franklin-Whitehead...	5-18-27	56.8
Republican River.....	do.....	C. E. Franklin.....	5-30-27	13.3
Republican River.....	do.....	C. E. Franklin.....	6-29-27	13.8
Republican River.....	do.....	C. E. Franklin.....	7-14-27	11.4
Republican River.....	do.....	C. E. Franklin.....	7-27-27	16.7
Republican River.....	do.....	C. E. Franklin.....	8-26-27	30.3
Republican River.....	do.....	C. E. Franklin.....	9- 8-27	23.9
Republican R. S. Br. So. of Benkelman, Sec.	19-1-37	A. E. Johnston.....	10-14-26	18.5
Republican R. S. Br.....	do.....	A. E. Johnston.....	11- 5-26	32.2
Republican R. S. Br.....	do.....	A. W. Hall.....	2-16-27	78.8
Republican R. S. Br.....	do.....	C. E. Franklin.....	3-31-27	72.9
Republican R. S. Br.....	do.....	Franklin-Whitehead...	4-20-27	111.5
Republican R. S. Br.....	do.....	C. E. Franklin.....	5- 3-27	47.5
Republican R. S. Br.....	do.....	Franklin-Whitehead...	5-18-27	22.8

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Republican River.....	So. of Benkelman, Sec. 19-1-37 A.	E. Johnston.....	8-17-27	1156.0
Republican R. S. Br.....	do.....	C. E. Franklin.....	5-30-27	5.1
Republican R. S. Br.....	do.....	C. E. Franklin.....	6-29-27	66.0
Republican R. S. Br.....	do.....	Franklin-Whitehead.....	7-11-27	35.2
Republican R. S. Br.....	do.....	C. E. Franklin.....	7-27-27	17.7
Republican R. S. Br.....	do.....	C. E. Franklin.....	8-26-27	21.5
Republican R. S. Br.....	do.....	C. E. Franklin.....	9- 8-27	24.4
Republican R. N. Br.....	do.....	A. E. Johnston.....	10-14-26	76.1
Republican R. N. Br.....	do.....	A. E. Johnston.....	11- 5-26	91.1
Republican R. N. Br.....	do.....	A. W. Hall.....	2-16-27	103.2
Republican R. N. Br.....	do.....	C. E. Franklin.....	3-31-27	133.4
Republican R. N. Br.....	do.....	Franklin-Whitehead.....	4-20-27	195.0
Republican R. N. Br.....	do.....	C. E. Franklin.....	5- 3-27	72.4
Republican R. N. Br.....	do.....	Franklin-Whitehead.....	5-18-27	84.1
Republican R. N. Br.....	do.....	C. E. Franklin.....	5-30-27	8.7
Republican R. N. Br.....	do.....	C. E. Franklin.....	6-28-27	64.0
Republican R. N. Br.....	do.....	Franklin-Whitehead.....	7-11-27	18.2
Republican R. N. Br.....	do.....	C. E. Franklin.....	7-27-27	45.6
Republican R. N. Br.....	do.....	C. E. Franklin.....	8-26-27	40.9
Republican R. N. Br.....	do.....	C. E. Franklin.....	9- 8-27	80.9
Republican River.....	So. of Arapahoe, Sec. 27-4-23	A. E. Johnston.....	10-15-26	168.5
Republican River.....	do.....	A. E. Johnston.....	11- 6-26	231.6
Republican River.....	do.....	C. E. Franklin.....	3-28-27	665.0
Republican River.....	do.....	Franklin-Whitehead.....	4-16-27	1890.0
Republican River.....	do.....	C. E. Franklin.....	5- 1-27	556.0
Republican River.....	do.....	C. E. Franklin.....	5-17-27	370.0
Republican River.....	do.....	C. E. Franklin.....	5-29-27	97.3
Republican River.....	do.....	C. E. Franklin.....	7-12-27	80.0
Republican River.....	do.....	C. E. Franklin.....	7-26-27	232.0
Republican River.....	do.....	C. E. Franklin.....	8- 9-27	233.0
Republican River.....	do.....	C. E. Franklin.....	8-24-27	56.0
Republican River.....	do.....	C. E. Franklin.....	9- 5-27	87.0
Republican River.....	Culbertson, Section 21-3-31	A. E. Johnston.....	10-15-26	63.7
Republican River.....	do.....	A. E. Johnston.....	11- 6-26	120.4
Republican River.....	do.....	A. W. Hall.....	2-16-27	226.4
Republican River.....	do.....	C. E. Franklin.....	3-27-27	272.0
Republican River.....	do.....	C. E. Franklin.....	4-18-27	530.0
Republican River.....	do.....	C. E. Franklin.....	4-30-27	257.0
Republican River.....	do.....	C. E. Franklin.....	5-16-27	76.0
Republican River.....	do.....	C. E. Franklin.....	5-28-27	2.5
Republican River.....	do.....	C. E. Franklin.....	6-26-27	174.0
Republican River.....	do.....	C. E. Franklin.....	7- 9-27	33.0
Republican River.....	do.....	C. E. Franklin.....	7-25-27	34.0
Republican River.....	do.....	C. E. Franklin.....	8- 7-27	158.0
Republican River.....	do.....	C. E. Franklin.....	8-23-27	31.8
Republican River.....	do.....	C. E. Franklin.....	9- 7-27	35.5



## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Republican River.....	McCook, Section 31-3-29.....	A. E. Johnston.....	10-15-26	161.1
Republican River.....	do.....	A. E. Johnston.....	11- 6-26	189.9
Republican River.....	do.....	E. Franklin.....	3-27-27	553.0
Republican River.....	do.....	C. E. Franklin.....	4-17-27	729.0
Republican River.....	do.....	C. E. Franklin.....	5- 1-27	521.0
Republican River.....	do.....	C. E. Franklin.....	5-16-27	239.0
Republican River.....	do.....	C. E. Franklin.....	5-29-27	24.0
Republican River.....	do.....	C. E. Franklin.....	6-21-27	822.0
Republican River.....	do.....	C. E. Franklin.....	7-12-27	36.0
Republican River.....	do.....	C. E. Franklin.....	7-25-27	29.4
Republican River.....	do.....	C. E. Franklin.....	8- 9-27	85.7
Republican River.....	do.....	C. E. Franklin.....	8-23-27	42.0
Republican River.....	do.....	C. E. Franklin.....	9- 7-27	45.1
Republican River.....	Oxford, Section 7-3-20.....	A. E. Johnston.....	10-15-26	193.5
Republican River.....	do.....	A. E. Johnston.....	11- 8-26	315.9
Republican River.....	Superior, Section 34-1-7.....	A. E. Johnston.....	10-16-26	324.1
Republican River.....	do.....	A. E. Johnston.....	5-17-27	846.0
Republican River.....	do.....	A. E. Johnston.....	6- 6-27	5817.0
Republican River.....	do.....	A. E. Johnston.....	7-11-27	646.0
Rock Creek.....	Parks, Section 21-1-39.....	A. E. Johnston.....	10-14-26	14.9
Rock Creek.....	do.....	A. E. Johnston.....	11- 5-26	13.5
Rock Creek.....	do.....	C. E. Franklin.....	4- 1-27	16.7
Rock Creek.....	do.....	Franklin-Whitehead....	4-21-27	19.6
Rock Creek.....	do.....	C. E. Franklin.....	5- 3-27	14.5
Rock Creek.....	do.....	C. E. Franklin.....	5-18-27	15.5
Rock Creek.....	do.....	C. E. Franklin.....	5-30-27	17.3
Rock Creek.....	do.....	C. E. Franklin.....	6-29-27	10.2
Rock Creek.....	do.....	Franklin-Whitehead....	7-11-27	13.0
Rock Creek.....	do.....	C. E. Franklin.....	7-27-27	13.7
Rock Creek.....	do.....	C. E. Franklin.....	8-26-27	12.1
Rock Creek.....	do.....	C. E. Franklin.....	9- 8-27	13.2
Rush Creek.....	Section 17-17-45.....	A. E. Johnston.....	4- 4-27	2.0
Rush Creek.....	do.....	A. E. Johnston.....	5- 2-27	2.6
Rush Creek.....	do.....	A. E. Johnston.....	6-27-27	0.1
Russel Springs.....	Section 33-31-54.....	A. E. Johnston.....	8-31-27	1.6
Salt Creek.....	Section 2-9-6.....	A. E. Johnston.....	10-19-26	5.9
Salt Creek.....	do.....	A. E. Johnston.....	5-41-27	16.9
Salt Creek.....	do.....	A. E. Johnston.....	6- 6-27	13.5
Salt Creek.....	do.....	A. E. Johnston.....	7- 8-27	3.2
Salt Creek.....	do.....	A. E. Johnston.....	8-16-27	12.1
Sand Creek.....	Section 10-15-40.....	A. E. Johnston.....	10-26-26	2.6
Sand Creek.....	do.....	A. E. Johnston.....	11-12-26	5.9
Sand Creek.....	do.....	A. E. Johnston.....	4- 6-27	5.0
Sand Creek.....	do.....	A. E. Johnston.....	4-19-27	5.5

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Sand Creek.....	Section 10-15-40.....	A. E. Johnston.....	5- 4-27	5.4
Sand Creek.....	do.....	A. E. Johnston.....	5-21-27	4.4
Sand Creek.....	do.....	A. E. Johnston.....	6-15-27	4.1
Sand Creek.....	do.....	A. E. Johnston.....	6-29-27	6.6
Sand Creek.....	do.....	A. E. Johnston.....	7-16-27	4.5
Sand Creek.....	do.....	A. E. Johnston.....	7-26-27	5.2
Sand Creek.....	do.....	A. E. Johnston.....	8- 5-27	0.0
Sand Creek.....	do.....	A. E. Johnston.....	8-24-27	2.2
Sand Creek.....	do.....	A. E. Johnston.....	9-15-27	2.2
Schlagel Creek.....	Section 24-33-28.....	A. E. Johnston.....	5-28-27	18.2
Schlagel Creek.....	do.....	A. E. Johnston.....	9- 3-27	14.4
Schlagel Creek.....	do.....	A. E. Johnston.....	9-23-27	14.8
Scottsbluff Drain.....	Section 25-22-55.....	A. E. Johnston.....	10-26-26	19.3
Scottsbluff Drain.....	do.....	A. W. Hall.....	11-16-26	9.5
Scottsbluff Drain.....	do.....	A. W. Hall.....	1- 5-27	8.4
Scottsbluff Drain.....	do.....	A. W. Hall.....	2-22-27	12.9
Scottsbluff Drain.....	do.....	A. E. Johnston.....	3-31-27	22.1
Scottsbluff Drain.....	do.....	A. E. Johnston.....	4-26-27	12.8
Scottsbluff Drain.....	do.....	A. W. Hall.....	5-12-27	6.5
Scottsbluff Drain.....	do.....	A. W. Hall.....	7- 6-27	14.3
Scottsbluff Drain.....	do.....	A. W. Hall.....	8- 3-27	23.6
Scottsbluff Drain.....	do.....	A. W. Hall.....	8-24-27	24.7
Sheep Creek.....	Section 21-23-57.....	A. E. Johnston.....	10- 7-26	102.3
Sheep Creek.....	do.....	A. W. Hall.....	10-27-26	107.8
Sheep Creek.....	do.....	A. W. Hall.....	11-29-26	87.2
Sheep Creek.....	do.....	A. W. Hall.....	1- 6-27	90.4
Sheep Creek.....	do.....	A. W. Hall.....	1-31-27	89.6
Sheep Creek.....	do.....	A. W. Hall.....	2-23-27	85.0
Sheep Creek.....	do.....	A. W. Hall.....	3-11-27	84.3
Sheep Creek.....	do.....	A. E. Johnston.....	3-31-27	183.6
Sheep Creek.....	do.....	A. E. Johnston.....	4-25-27	84.8
Sheep Creek.....	do.....	A. W. Hall.....	5-12-27	84.6
Sheep Creek.....	do.....	A. W. Hall.....	5-25-27	61.3
Sheep Creek.....	do.....	A. W. Hall.....	6-16-27	6.5
Sheep Creek.....	do.....	A. W. Hall.....	7- 7-27	16.6
Sheep Creek.....	do.....	A. W. Hall.....	8- 4-27	83.7
Sheep Creek.....	do.....	A. W. Hall.....	8-26-27	9.2
Silvernail Drain.....	Section 6-19-49.....	A. E. Johnston.....	10- 9-26	7.1
Silvernail Drain.....	do.....	A. E. Johnston.....	10-27-26	5.9
Silvernail Drain.....	do.....	A. W. Hall.....	11-15-26	6.2
Silvernail Drain.....	do.....	A. W. Hall.....	1- 4-27	5.4
Silvernail Drain.....	do.....	A. W. Hall.....	2-10-27	4.5
Silvernail Drain.....	do.....	A. E. Johnston.....	3-26-27	4.0
Silvernail Drain.....	do.....	A. E. Johnston.....	5- 2-27	3.2
Silvernail Drain.....	do.....	A. W. Hall.....	5-10-27	4.7
Silvernail Drain.....	do.....	A. W. Hall.....	5-18-27	17.4

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Silvernail Drain.....	Section 6-19-49.....	A. W. Hall.....	6- 8-27	23.7
Silvernail Drain.....	do.....	A. E. Johnston.....	6-17-27	13.3
Silvernail Drain.....	do.....	A. E. Johnston.....	6-25-27	12.7
Silvernail Drain.....	do.....	A. W. Hall.....	7-19-27	6.0
Silvernail Drain.....	do.....	A. E. Johnston.....	8- 3-27	14.3
Silvernail Drain.....	do.....	A. W. Hall.....	8-10-27	19.7
Silvernail Drain.....	do.....	A. W. Hall.....	9-10-27	6.9
Silvernail Drain.....	do.....	A. E. Johnston.....	9-17-27	10.0
Skunk Creek.....	Section 1-14-37.....	A. E. Johnston.....	10-26-26	2.5
Skunk Creek.....	do.....	A. E. Johnston.....	4- 6-27	3.5
Skunk Creek.....	do.....	A. E. Johnston.....	5- 5-27	2.7
Skunk Creek.....	do.....	A. E. Johnston.....	6-29-27	0.0
Skunk Creek.....	do.....	A. E. Johnston.....	7-15-27	0.0
Skunk Creek.....	do.....	A. E. Johnston.....	9-15-27	2.7
Snake Creek.....	Section 8-24-48.....	A. E. Johnston.....	10-30-26	0.0
Snake Creek.....	do.....	A. E. Johnston.....	3-26-27	0.0
Snake Creek.....	do.....	A. E. Johnston.....	4-30-27	29.4
Snake Creek.....	do.....	A. W. Hall.....	5-19-27	3.5
Snake Creek.....	do.....	A. E. Johnston.....	5-23-27	2.5
Snake Creek.....	do.....	A. E. Johnston.....	6-20-27	3.0
Snake Creek.....	do.....	A. E. Johnston.....	7-18-27	27.3
Snake Creek.....	do.....	A. E. Johnston.....	8- 3-27	0.2
Snake Creek.....	do.....	A. E. Johnston.....	8-29-27	0.0
Snake Creek.....	do.....	A. E. Johnston.....	9-19-27	0.0
Snake River.....	Section 9-31-30.....	A. E. Johnston.....	6-27-27	363.5
Snake River.....	do.....	A. E. Johnston.....	9- 2-27	308.0
Snake River.....	do.....	A. E. Johnston.....	9-22-27	245.3
Snell—9 Mile Drain.....	Section 25-21-53.....	A. E. Johnston.....	10- 4-26	183.4
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	10-25-26	128.6
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	1- 5-27	119.2
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	1-26-27	121.7
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	2-24-27	134.8
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	3-10-27	125.3
Snell—9 Mile Drain.....	do.....	A. E. Johnston.....	3-28-27	120.8
Snell—9 Mile Drain.....	do.....	A. E. Johnston.....	4-22-27	178.5
Snell—9 Mile Drain.....	do.....	A. E. Johnston.....	4-27-27	154.8
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	5-11-27	129.0
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	5-24-27	112.0
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	7- 8-27	146.0
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	8- 2-27	242.8
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	8-12-27	265.8
Snell—9 Mile Drain.....	do.....	A. W. Hall.....	8-24-27	224.4
Soldier Creek.....	Section 19-31-52.....	A. E. Johnston.....	10-28-26	4.3
Soldier Creek.....	do.....	A. W. Hall.....	2- 4-27	6.9
Soldier Creek.....	do.....	A. E. Johnston.....	4-28-27	9.1
Soldier Creek.....	do.....	A. E. Johnston.....	5-25-27	8.5

## DEPARTMENT OF PUBLIC WORKS

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## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Soldier Creek.....	Section 19-31-52.....	A. E. Johnston.....	6-20-27	4.7
Soldier Creek.....	do.....	A. E. Johnston.....	8- 1-27	3.4
Soldier Creek.....	do.....	A. E. Johnston.....	8-31-27	1.9
Soldier Creek.....	do.....	A. E. Johnston.....	9-20-27	4.0
Sow Belly Creek.....	Section 5-32-55.....	A. E. Johnston.....	6-21-27	3.4
Spotted Tail (Dry).....	Section 28-23-56.....	A. E. Johnston.....	10- 5-26	71.7
Spotted Tail (Dry).....	do.....	A. W. Hall.....	10-26-26	26.1
Spotted Tail (Dry).....	do.....	A. W. Hall.....	1- 6-27	41.0
Spotted Tail (Dry).....	do.....	A. W. Hall.....	1-26-27	33.3
Spotted Tail (Dry).....	do.....	A. W. Hall.....	2-23-27	32.8
Spotted Tail (Dry).....	do.....	A. W. Hall.....	3-10-27	37.8
Spotted Tail (Dry).....	do.....	A. E. Johnston.....	3-29-27	25.9
Spotted Tail (Dry).....	do.....	A. E. Johnston.....	4-25-27	41.7
Spotted Tail (Dry).....	do.....	A. W. Hall.....	5-12-27	27.6
Spotted Tail (Dry).....	do.....	A. W. Hall.....	5-26-27	34.4
Spotted Tail (Dry).....	do.....	A. W. Hall.....	6-17-27	35.4
Spotted Tail (Dry).....	do.....	A. W. Hall.....	7- 8-27	70.7
Spotted Tail (Dry).....	do.....	A. W. Hall.....	8- 4-27	145.0
Spotted Tail (Dry).....	do.....	A. W. Hall.....	8-25-27	67.0
Spot'd Tail-Kronberg.....	Section 1-22-56.....	A. E. Johnston.....	10- 5-26	12.9
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	10-26-26	13.3
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	11-16-26	12.4
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	1- 5-27	12.0
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	1-26-27	12.0
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	2-22-27	10.3
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	3-11-27	13.2
Spot'd Tail-Kronberg.....	do.....	A. E. Johnston.....	3-29-27	8.6
Spot'd Tail-Kronberg.....	do.....	A. E. Johnston.....	4-26-27	12.3
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	5-12-27	10.3
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	5-24-27	12.3
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	7- 6-27	11.8
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	8- 3-27	27.4
Spot'd Tail-Kronberg.....	do.....	A. W. Hall.....	8-25-27	21.7
Above Tri-State Canal,				
Spotted Tail (Wet).....	Section 10-23-56.....	A. E. Johnston.....	10- 5-26	29.7
Spotted Tail (Wet).....	do.....	A. E. Johnston.....	3-29-27	11.6
Spotted Tail (Wet).....	do.....	A. E. Johnston.....	4-26-27	18.4
Above Enterprise Canal Diver-				
Spotted Tail (Dry).....	sion.....	A. W. Hall.....	6- 3-27	34.4
Spotted Tail (Dry).....	do.....	A. W. Hall.....	6-17-27	41.7
Spotted Tail (Dry).....	do.....	A. W. Hall.....	8-25-27	69.2
Below Enterprise Canal Diver-				
Spotted Tail (Dry).....	sion.....	A. W. Hall.....	6- 3-27	10.4
Used by Gr. Western Sugar Co.				
Spotted Tail (Dry).....	at Mitchell.....	A. W. Hall.....	8-25-27	2.2

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Spring Creek.....	Section 9-31-18.....	A. E. Johnston.....	5-31-27	15.1
Spring Creek.....	do.....	A. E. Johnston.....	9- 5-27	9.4
Spring Creek.....	do.....	A. E. Johnston.....	9-23-27	8.4
Stewarts Drain.....	Section 13-23-57.....	A. E. Johnston.....	10- 7-26	0.5
Stewarts Drain.....	do.....	A. W. Hall.....	10-27-26	1.6
Stewarts Drain.....	do.....	A. W. Hall.....	2- 1-27	3.2
Stewarts Drain.....	do.....	A. W. Hall.....	2-23-27	2.8
Stewarts Drain.....	do.....	A. W. Hall.....	3-11-27	3.7
Stewarts Drain.....	do.....	A. E. Johnston.....	3-30-27	1.2
Stewarts Drain.....	do.....	A. E. Johnston.....	4-25-27	2.6
Stewarts Drain.....	do.....	A. W. Hall.....	5-12-27	1.2
Stewarts Drain.....	do.....	A. W. Hall.....	5-26-27	2.2
Stewarts Drain.....	do.....	A. W. Hall.....	6-17-27	6.1
Stewarts Drain.....	do.....	A. W. Hall.....	7- 8-27	2.5
Stewarts Drain.....	do.....	A. W. Hall.....	8- 5-27	5.2
Stewarts Drain.....	do.....	A. W. Hall.....	8-26-27	0.0
Stinking Wat. Creek.....	No. of Palisade, Section 25-5-34.....	A. E. Johnston.....	10-14-26	23.6
Stinking Wat. Creek.....	do.....	A. E. Johnston.....	11- 5-26	26.6
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	3-29-27	59.6
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	4-18-27	122.3
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	4-30-27	47.0
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	5-15-27	43.8
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	5-28-27	22.2
Stinking Wat. Creek.....	do.....	Franklin-Whitehead.....	6-28-27	34.8
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	7- 9-27	16.2
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	7-23-27	9.7
Stinking Wat. Creek.....	do.....	Franklin-Whitehead.....	8- 7-27	28.5
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	8-22-27	19.5
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	9- 6-27	16.9
Stinking Wat. Creek.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 9-5-34.....	C. E. Franklin.....	3-29-27	59.0
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	4-18-27	137.4
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	4-30-27	42.7
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	5-15-27	38.0
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	5-28-27	22.7
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	7- 9-27	18.9
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	7-23-27	10.8
Stinking Wat. Creek.....	do.....	Franklin-Whitehead.....	8- 7-27	20.8
Stinking Wat. Creek.....	do.....	C. E. Franklin.....	8-22-27	19.2
Thompson Creek.....	Section 2-1-13.....	A. E. Johnston.....	10-16-26	24.4
Thompson Creek.....	do.....	A. E. Johnston.....	5-17-27	24.1
Thompson Creek.....	do.....	A. E. Johnston.....	6- 6-27	23.6
Thompson Creek.....	do.....	A. E. Johnston.....	7-11-27	18.8
Thompson Creek.....	do.....	A. E. Johnston.....	8-17-27	36.3

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Timber Creek (Big) Section	32-1-37	C. E. Franklin	3-31-27	1.2
Timber Creek (Big)	do	C. E. Franklin	5- 3-27	0.7
Timber Creek (Big)	do	C. E. Franklin	7-14-27	0.6
Timber Creek (Big)	do	C. E. Franklin	8-26-27	0.5
Timber Creek (Big)	do	C. E. Franklin	9- 8-27	0.5
Toohey Drain	Section 20-23-56	A. E. Johnston	10- 7-26	6.3
Toohey Drain	do	A. W. Hall	10-26-26	5.0
Toohey Drain	do	A. W. Hall	1- 6-27	6.1
Toohey Drain	do	A. W. Hall	2- 1-27	3.7
Toohey Drain	do	A. W. Hall	2-23-27	4.6
Toohey Drain	do	A. W. Hall	3-10-27	2.5
Toohey Drain	do	A. E. Johnston	3-30-27	2.6
Toohey Drain	do	A. E. Johnston	4-25-27	11.4
Toohey Drain	do	A. W. Hall	5-12-27	4.1
Toohey Drain	do	A. W. Hall	5-26-27	0.9
Toohey Drain	do	A. W. Hall	6-17-27	4.0
Toohey Drain	do	A. W. Hall	7- 8-27	3.6
Toohey Drain	do	A. W. Hall	8- 4-27	8.3
Toohey Drain	do	A. W. Hall	8-25-27	5.0
Toohey Spillway	Section 19-23-56	A. E. Johnston	10- 7-26	20.4
Toohey Spillway	do	A. W. Hall	10-26-26	17.5
Toohey Spillway	do	A. W. Hall	1- 6-27	16.8
Toohey Spillway	do	A. W. Hall	1-26-27	7.2
Toohey Spillway	do	A. W. Hall	2- 1-27	16.8
Toohey Spillway	do	A. W. Hall	2-23-27	17.7
Toohey Spillway	do	A. E. Johnston	3-30-27	15.5
Toohey Spillway	do	A. E. Johnston	4-25-27	16.3
Toohey Spillway	do	A. W. Hall	5-12-27	13.6
Toohey Spillway	do	A. W. Hall	5-26-27	0.0
Toohey Spillway	do	A. W. Hall	6-17-27	0.0
Toohey Spillway	do	A. W. Hall	7- 8-27	0.0
Toohey Spillway	do	A. W. Hall	8- 4-27	0.0
Trunke Butte Creek	Section 25-33-50	A. W. Hall	2- 3-27	1.5
Trunke Butte Creek	do	A. E. Johnston	4-20-27	7.3
Trunke Butte Creek	do	A. E. Johnston	5-25-27	7.6
Trunke Butte Creek	do	A. E. Johnston	8- 1-27	2.1
Trunke Butte Creek	do	A. E. Johnston	9-21-27	1.3
Tub Springs	Section 5-22-55	A. E. Johnston	10- 5-26	83.2
Tub Springs	do	A. W. Hall	10-26-26	34.2
Tub Springs	do	A. W. Hall	11-16-26	32.2
Tub Springs	do	A. W. Hall	1- 5-27	46.4
Tub Springs	do	A. W. Hall	1-26-27	34.1
Tub Springs	do	A. W. Hall	2-22-27	30.8
Tub Springs	do	A. W. Hall	3-10-27	39.9
Tub Springs	do	A. E. Johnston	3-29-27	35.1
Tub Springs	do	A. E. Johnston	4-26-27	42.5

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Tub Springs.....Section	5-22-55.....	A. W. Hall.....	5-12-27	29.6
Tub Springs.....	do.....	A. W. Hall.....	5-24-27	14.1
Tub Springs.....	do.....	A. W. Hall.....	6-15-27	77.0
Tub Springs.....	do.....	A. W. Hall.....	7- 6-27	56.3
Tub Springs.....	do.....	A. W. Hall.....	8- 3-27	158.3
Tub Springs.....	do.....	A. W. Hall.....	8-25-27	31.2
Tub Springs.....Section	33-23-55.....	A. W. Hall.....	5-24-27	29.7
Tub Springs.....	do.....	A. W. Hall.....	7- 6-27	55.9
Tub Springs.....	do.....	A. W. Hall.....	8- 3-27	79.1
Tub Springs.....	do.....	A. W. Hall.....	8-25-27	84.7
Tucker Creek.....Section	34-31-54.....	A. E. Johnston.....	8-31-27	0.1
Turkey Creek.....West of Oxford, Section	5-4-21.....	A. E. Johnston.....	10-15-26	1.3
Turkey Creek.....	do.....	A. E. Johnston.....	11- 6-26	2.3
Turkey Creek.....Below Naponee Mill Sec.	4-1-16 A.....	A. E. Johnston.....	10-16-26	18.0
Turkey Creek.....	do.....	A. E. Johnston.....	7-12-27	10.0
Turkey Creek.....	do.....	Franklin-Whitehead.....	8-11-27	11.6
Turkey Creek.....	do.....	A. E. Johnston.....	8-13-27	16.1
Turtle Creek.....Ord, Section	31-20-14.....	A. E. Johnston.....	5-10-27	2.7
Victoria Creek.....Section	1-19-21.....	A. E. Johnston.....	4-13-27	30.6
Victoria Creek.....	do.....	A. E. Johnston.....	5- 9-27	12.9
Victoria Creek.....	do.....	A. E. Johnston.....	6- 9-27	9.9
Victoria Creek.....	do.....	A. E. Johnston.....	7- 5-27	0.8
Victoria Creek.....	do.....	A. E. Johnston.....	8-12-27	0.9
Victoria Creek.....	do.....	A. E. Johnston.....	9- 9-27	8.8
Victoria Creek.....	do.....	A. E. Johnston.....	9-30-27	9.8
White Clay Creek.....Section	2-31-52.....	A. E. Johnston.....	10-29-26	2.7
White Clay Creek.....	do.....	A. E. Johnston.....	3-25-27	4.6
White Clay Creek.....	do.....	A. E. Johnston.....	4-23-27	8.0
White Clay Creek.....	do.....	A. E. Johnston.....	5-25-27	6.8
White Clay Creek.....	do.....	A. E. Johnston.....	6-22-27	5.1
White Clay Creek.....	do.....	A. E. Johnston.....	8- 1-27	4.8
White Clay Creek.....	do.....	A. E. Johnston.....	8-31-27	5.9
White Clay Creek.....	do.....	A. E. Johnston.....	9-21-27	4.4
Whitehead Creek.....Section	3-34-54.....	A. E. Johnston.....	6-22-27	0.4
White Horse Creek.....Section	5-13-29.....	A. E. Johnston.....	10-22-26	14.4
White Horse Creek.....	do.....	A. E. Johnston.....	11-11-26	22.3
White Horse Creek.....	do.....	A. E. Johnston.....	4- 8-27	18.8
White Horse Creek.....	do.....	A. E. Johnston.....	4-16-27	131.6
White Horse Creek.....	do.....	A. E. Johnston.....	5- 6-27	26.0
White Horse Creek.....	do.....	A. E. Johnston.....	5-19-27	11.6
White Horse Creek.....	do.....	A. E. Johnston.....	6-11-27	9.7
White Horse Creek.....	do.....	A. E. Johnston.....	7- 1-27	9.6

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
White Horse Creek	Section 5-13-29	A. E. Johnston	7-14-27	6.9
White Horse Creek	do.	A. E. Johnston	8- 8-27	8.2
White Horse Creek	do.	A. E. Johnston	8-20-27	10.0
White Horse Creek	do.	A. E. Johnston	9-13-27	6.3
Whitemans Forks	Section 22-6-39	A. E. Johnston	10-13-26	0.7
Whitemans Forks	do.	A. E. Johnston	11- 4-26	1.2
Whistle Creek	Section 7-28-53	A. E. Johnston	5-24-27	1.3
Whistle Creek	do.	A. E. Johnston	6-20-27	3.1
Whistle Creek	do.	A. E. Johnston	8-20-27	0.0
White River	Military Road, Section 9-31-52	A. E. Johnston	10-28-26	26.4
White River	do.	A. W. Hall	2- 4-27	21.8
White River	do.	A. E. Johnston	3-24-27	30.0
White River	do.	A. E. Johnston	4-29-27	40.2
White River	do.	A. E. Johnston	5-25-27	37.6
White River	do.	A. E. Johnston	6-22-27	36.6
White River	do.	A. E. Johnston	8- 1-27	26.3
White River	do.	A. E. Johnston	8-31-27	24.5
White River	do.	A. E. Johnston	9-20-27	24.7
White River	West of Chadron, Sec. 18-33-49	A. E. Johnston	10-29-26	32.9
White River	do.	A. W. Hall	2- 3-27	57.1
White River	do.	A. E. Johnston	4-29-27	182.8
White River	do.	A. E. Johnston	5-25-27	102.2
White River	do.	A. E. Johnston	6-23-27	91.0
White River	do.	A. E. Johnston	8- 1-27	36.7
White River	do.	A. E. Johnston	8-31-27	61.6
White River	do.	A. E. Johnston	9-21-27	52.8
<b>Above Whitney Diversion,</b>				
White River	Section 26-32-52	A. E. Johnston	10-29-26	17.9
White River	do.	A. E. Johnston	3-25-27	43.6
White River	do.	A. E. Johnston	4-29-27	38.7
White River	do.	A. E. Johnston	5-25-27	43.2
White River	do.	A. E. Johnston	6-22-27	40.7
White River	do.	A. E. Johnston	8- 1-27	27.6
White River	do.	A. E. Johnston	8-31-27	32.6
White River	do.	A. E. Johnston	9-21-27	23.0
<b>Below Whitney Diversion,</b>				
White River	Section 26-32-52	A. E. Johnston	10-29-26	0.0
White River	do.	A. W. Hall	2- 3-27	37.0
White River	do.	A. E. Johnston	3-25-27	0.5
White River	do.	A. E. Johnston	4-29-27	46.4
White River	do.	A. E. Johnston	5-25-27	45.1
White River	do.	A. E. Johnston	6-22-27	39.6
White River	do.	A. E. Johnston	8- 1-27	21.9



## REPORT OF SECRETARY

## STREAM MEASUREMENTS

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Below Whitney Diversion				
White River.....	Section 26-32-52.....	A. E. Johnston.....	8-31-27	31.2
White River.....	do.....	A. E. Johnston.....	9-21-27	28.6
White Tail Creek.....	Section 36-51-38.....	A. E. Johnston.....	10-26-26	29.5
White Tail Creek.....	do.....	A. E. Johnston.....	11-12-26	35.4
White Tail Creek.....	do.....	A. E. Johnston.....	4-6-27	28.7
White Tail Creek.....	do.....	A. E. Johnston.....	4-19-27	35.5
White Tail Creek.....	do.....	A. E. Johnston.....	5-5-27	25.0
White Tail Creek.....	do.....	A. E. Johnston.....	5-20-27	28.7
White Tail Creek.....	do.....	A. E. Johnston.....	6-14-27	31.8
White Tail Creek.....	do.....	A. E. Johnston.....	6-29-27	20.3
White Tail Creek.....	do.....	A. E. Johnston.....	7-15-27	6.2
White Tail Creek.....	do.....	A. E. Johnston.....	8-24-27	34.8
White Tail Creek.....	do.....	A. E. Johnston.....	9-15-27	24.7
Wild Horse Drain.....	Section 12-20-52.....	A. E. Johnston.....	10-4-26	76.8
Wild Horse Drain.....	do.....	A. W. Hall.....	10-15-26	44.8
Wild Horse Drain.....	do.....	A. W. Hall.....	11-4-26	55.2
Wild Horse Drain.....	do.....	A. W. Hall.....	1-4-27	34.6
Wild Horse Drain.....	do.....	A. W. Hall.....	1-25-27	31.8
Wild Horse Drain.....	do.....	A. W. Hall.....	2-11-27	34.3
Wild Horse Drain.....	do.....	A. W. Hall.....	3-9-27	38.1
Wild Horse Drain.....	do.....	A. E. Johnston.....	3-28-27	33.7
Wild Horse Drain.....	do.....	A. E. Johnston.....	4-27-27	37.2
Wild Horse Drain.....	do.....	A. W. Hall.....	5-11-27	33.3
Wild Horse Drain.....	do.....	A. W. Hall.....	5-23-27	31.6
Wild Horse Drain.....	do.....	A. W. Hall.....	6-8-27	47.5
Wild Horse Drain.....	do.....	A. W. Hall.....	7-26-27	81.9
Wild Horse Drain.....	do.....	A. W. Hall.....	8-10-27	177.8
Wild Horse Drain.....	do.....	A. W. Hall.....	9-1-27	129.0
Willow Creek.....	No. of Sarben, Section 15-14-35A.....	A. E. Johnston.....	10-25-26	1.1
Willow Creek.....	do.....	A. E. Johnston.....	4-7-27	1.9
Willow Creek.....	do.....	A. E. Johnston.....	4-18-27	1.3
Willow Creek.....	do.....	A. E. Johnston.....	5-5-27	1.2
Willow Creek.....	do.....	A. E. Johnston.....	5-20-27	1.3
Willow Creek.....	do.....	A. E. Johnston.....	6-14-27	1.4
Willow Creek.....	do.....	A. E. Johnston.....	6-30-27	1.2
Willow Creek.....	do.....	A. E. Johnston.....	7-15-27	1.2
Willow Creek.....	do.....	A. E. Johnston.....	8-6-27	1.0
Willow Creek.....	do.....	A. E. Johnston.....	8-23-27	1.5
Willow Creek.....	do.....	A. E. Johnston.....	9-14-27	1.7
Willow Creek.....	Lester, Section 3-1-10.....	A. E. Johnston.....	10-16-26	23.9
Winters Creek.....	Section 19-22-54.....	A. E. Johnston.....	10-7-26	108.6
Winters Creek.....	do.....	A. W. Hall.....	10-26-26	95.6
Winters Creek.....	do.....	A. W. Hall.....	11-16-26	94.1
Winters Creek.....	do.....	A. W. Hall.....	1-5-27	52.5

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1927

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Winters Creek.....	Section 19-22-54.....	A. W. Hall.....	1-26-27	53.0
Winters Creek.....	do.....	A. W. Hall.....	2-22-27	59.9
Winters Creek.....	do.....	A. W. Hall.....	3-10-27	48.2
Winters Creek.....	do.....	A. E. Johnston.....	3-28-27	54.7
Winters Creek.....	do.....	A. E. Johnston.....	4-26-27	67.4
Winters Creek.....	do.....	A. W. Hall.....	5-12-27	54.9
Winters Creek.....	do.....	A. W. Hall.....	5-24-27	66.9
Winters Creek.....	do.....	A. W. Hall.....	6-15-27	92.4
Winters Creek.....	do.....	A. W. Hall.....	7- 6-27	32.5
Winters Creek.....	do.....	A. W. Hall.....	8- 2-27	161.0
Winters Creek.....	do.....	A. W. Hall.....	8-24-27	33.2
Wood River.....	South of Alda, Section 8-10-10.....	A. E. Johnston.....	10-21-26	1.6
Wood River.....	do.....	A. E. Johnston.....	11- 8-26	1.9
Wood River.....	So. of Chapman, Section 20-12-7 A.....	A. E. Johnston.....	10-20-26	12.8
Wood River.....	do.....	A. E. Johnston.....	11- 9-26	13.7
Wood River.....	do.....	A. W. Hall.....	3-21-27	9.9
Wood River.....	do.....	A. E. Johnston.....	4-11-27	84.4
Wood River.....	do.....	A. E. Johnston.....	5-12-27	94.1
Wood River.....	do.....	A. E. Johnston.....	6- 4-27	85.0
Wood River.....	do.....	A. E. Johnston.....	7- 7-27	18.7
Wood River.....	do.....	A. E. Johnston.....	8-15-27	18.8
Wood River.....	Section 5-9-16.....	A. E. Johnston.....	8-11-27	3.6
Wood River.....	No. of Kearney, Section 12-9-16 A.....	A. E. Johnston.....	5- 9-27	15.3
Wood River.....	do.....	A. E. Johnston.....	6- 8-27	10.4
Wood River.....	do.....	A. E. Johnston.....	7- 5-27	18.2
Wood River.....	do.....	A. E. Johnston.....	8-11-27	4.8
Wood River.....	do.....	A. E. Johnston.....	9-10-27	89.2
Wood River.....	Section 7-10-17.....	A. E. Johnston.....	8-11-27	2.5
Wood River.....	Grand Island, Section 22-11-9.....	A. E. Johnston.....	9- 8-27	16.6
Wood River.....	do.....	A. E. Johnston.....	9-28-27	4.3

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Arickaree River.....Haigler, Section 27-1-41.....		C. E. Franklin.....	10- 6-27	8.83
Arickaree River.....do.....		C. E. Franklin.....	11-10-27	24.6
Arickaree River.....do.....		C. E. Franklin.....	12- 6-27	13.30
Arickaree River.....do.....		C. E. Franklin.....	12-24-27	3.6
Arickaree River.....do.....		C. E. Franklin.....	1-25-28	8.8
Arickaree River.....do.....		C. E. Franklin.....	2-15-28	41.6
Arickaree River.....do.....		C. E. Franklin.....	3- 9-28	23.7
Arickaree River.....do.....		C. E. Franklin.....	3-24-28	30.3
Arickaree River.....do.....		C. E. Franklin.....	4-13-28	11.7
Arickaree River*.....do.....		C. E. Franklin.....	5-17-28	3200.0
Arickaree River.....do.....		C. E. Franklin.....	5-24-28	34.9
Arickaree River.....do.....		C. E. Franklin.....	6-19-28	50.6
Arickaree River.....do.....		C. E. Franklin.....	7-10-28	10.9
Arickaree River.....do.....		C. E. Franklin.....	7-31-28	25.9
Arickaree River.....do.....		C. E. Franklin.....	8-18-28	11.1
Arickaree River.....do.....		C. E. Franklin.....	9-12-28	30.2
Arickaree River.....do.....		C. E. Franklin.....	9-21-28	6.6
Arapahoe, NE $\frac{1}{4}$ SE $\frac{1}{4}$				
Arapahoe Star Mill Waste.....Section 27-4-23.....		C. E. Franklin.....	2-11-28	110.2
Arapahoe Star Mill Waste.....do.....		C. E. Franklin.....	3- 8-28	103.0
Arapahoe Star Mill Waste.....do.....		C. E. Franklin.....	3-23-28	85.7
Arapahoe Star Mill Waste.....do.....		C. E. Franklin.....	4-12-28	124.0
Arapahoe Star Mill Waste.....do.....		C. E. Franklin.....	5-21-28	93.7
Arapahoe Star Mill Waste.....do.....		C. E. Franklin.....	6-23-28	98.0
Arapahoe Star Mill Waste.....do.....		C. E. Franklin.....	7-15-28	83.2
Arapahoe Star Mill Waste.....do.....		C. E. Franklin.....	7-28-28	50.0†
Arapahoe Star Mill Waste.....do.....		C. E. Franklin.....	8-16-28	121.0
Arapahoe Star Mill Waste.....do.....		C. E. Franklin.....	9-10-28	91.3
Akers Draw.....Section 12-23-57.....		A. W. Hall.....	7- 7-28	14.1
Akers Draw.....do.....		A. W. Hall.....	8-21-28	15.4
Akers Draw.....do.....		A. W. Hall.....	9- 7-28	13.4
Arnold Drain.....3 miles East of Torrington, Wyo.		C. E. Franklin.....	10-14-27	14.8
Arnold Drain.....do.....		A. W. Hall.....	11- 8-27	19.3
Arnold Drain.....do.....		A. W. Hall.....	11-23-27	8.5
Arnold Drain.....do.....		C. E. Franklin.....	12-12-27	7.1
Arnold Drain.....do.....		C. E. Franklin.....	1-11-28	12.1
Arnold Drain.....do.....		A. W. Hall.....	2-11-28	12.1
Arnold Drain.....do.....		A. W. Hall.....	3-20-28	11.6
Arnold Drain.....do.....		A. W. Hall.....	4-20-28	3.8
Arnold Drain.....do.....		A. W. Hall.....	5- 3-28	4.7
Arnold Drain.....do.....		A. W. Hall.....	5-16-28	3.8
Arnold Drain.....do.....		A. W. Hall.....	6-15-28	11.9
Arnold Drain.....do.....		A. W. Hall.....	7-20-28	8.2
Arnold Drain.....do.....		A. W. Hall.....	8- 3-28	14.5
Arnold Drain.....do.....		A. W. Hall.....	9- 5-28	13.1

\*Flood

† Estimated.

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Arnold Drain	3 miles East of Torrington, Wyo.	A. W. Hall	9-24-28	15.5
*Arnold Drain	do	Goyne Drummond	5-31-28	4.9
Ash Creek	So. of Whitney, Section 6-32-50.	A. E. Johnston	11- 3-27	6.7
Ash Creek	do	A. E. Johnston	11-22-27	7.4
Ash Creek	do	A. E. Johnston	12-20-27	Frozen
Ash Creek	do	A. E. Johnston	1-16-28	21.08
Ash Creek	do	A. E. Johnston	2- 7-28	11.44
Ash Creek	do	A. E. Johnston	3-28-28	7.9
Ash Creek	do	A. E. Johnston	5- 3-28	4.4
Ash Creek	do	A. E. Johnston	6-22-28	4.1
Ash Creek	do	A. E. Johnston	7- 3-28	3.9
Ash Creek	do	A. E. Johnston	8-17-28	0.3
Ash Creek	do	A. E. Johnston	9-28-28	0.6
Ash Creek	Section 32-32-50	A. E. Johnston	11- 3-27	3.4
Ash Creek	do	A. E. Johnston	11-22-27	4.6
Ash Creek	do	A. E. Johnston	12-20-27	3.6
Ash Creek	do	A. E. Johnston	1-16-28	3.6
Ash Creek	do	A. E. Johnston	2- 7-28	4.2
Ash Creek	do	A. E. Johnston	3-28-28	5.5
Ash Creek	do	A. E. Johnston	4- 3-28	6.5
Ash Creek	do	A. E. Johnston	5- 3-28	9.4
Ash Creek	do	A. E. Johnston	8-17-28	1.0
Ash Creek	do	A. E. Johnston	9-28-28	0.9
Austin Creek	'North of Beatrice, Nebr.	A. E. Johnston	6-20-28	1.0
Bayard S. F. Drain	Section 34-21-52	C. E. Franklin	10-15-27	56.7
Bayard S. F. Drain	do	A. W. Hall	11- 5-27	53.6
Bayard S. F. Drain	do	A. W. Hall	11-21-27	42.8
Bayard S. F. Drain	do	C. E. Franklin	1-13-28	53.5
Bayard S. F. Drain	do	A. W. Hall	2- 9-28	33.3
Bayard S. F. Drain	do	A. W. Hall	3-17-28	36.3
Bayard S. F. Drain	do	A. W. Hall	4- 4-28	24.8
Bayard S. F. Drain	do	A. W. Hall	4-18-28	18.9
Bayard S. F. Drain	do	A. W. Hall	5-19-28	53.7
Bayard S. F. Drain	do	A. W. Hall	6- 6-28	58.0
Bayard S. F. Drain	do	A. W. Hall	6-29-28	45.5
Bayard S. F. Drain	do	A. W. Hall	7-19-28	46.6
Bayard S. F. Drain	do	A. W. Hall	8- 6-28	46.6
Bayard S. F. Drain	do	A. W. Hall	8-24-28	44.9
Bayard S. F. Drain	do	A. W. Hall	9-11-28	38.7
Bear Creek	Section 25-34-36 South of Eli.	A. E. Johnston	11- 4-27	32.6
Bear Creek	do	A. E. Johnston	2- 9-28	37.8
Bear Creek	do	A. E. Johnston	4- 4-28	57.3
Bear Creek	do	A. E. Johnston	5- 5-28	33.7
Bear Creek	do	A. E. Johnston	7- 6-28	17.9

\* Wyoming Measurements.

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Bear Creek.....	Section 36-4-6 E. E. of Beatrice	A. E. Johnston.....	5-15-28	00.8
Beaver Creek.....	Section 15-20-6 North of Albion	A. E. Johnston.....	11- 9-28	70.8
Beaver Creek.....	do.....	A. E. Johnston.....	2-14-28	134.0
Beaver Creek.....	do.....	A. E. Johnston.....	4- 9-28	72.4
Beaver Creek.....	do.....	A. E. Johnston.....	5-10-28	76.1
Beaver Creek.....	do.....	A. E. Johnston.....	7-11-28	54.5
Big Timber Creek.....	Gaging Station.....	C. E. Franklin.....	7-30-28	5.6
Birdwood Creek.....	Section 35-14-33.....	A. E. Johnston.....	10- 6-27	178.0
Birdwood Creek.....	do.....	A. E. Johnston.....	10-28-27	199.0
Birdwood Creek.....	do.....	A. E. Johnston.....	11-16-27	213.0
Birdwood Creek.....	do.....	A. E. Johnston.....	11-28-27	205.0
Birdwood Creek.....	do.....	A. E. Johnston.....	12-10-27	184.0
Birdwood Creek.....	do.....	A. E. Johnston.....	1-10-28	Frozen
Birdwood Creek.....	do.....	A. E. Johnston.....	1-23-28	213.3
Birdwood Creek.....	do.....	A. E. Johnston.....	2- 2-28	224.7
Birdwood Creek.....	do.....	A. E. Johnston.....	2-28-28	209.7
Birdwood Creek.....	do.....	A. E. Johnston.....	3- 7-28	227.0
Birdwood Creek.....	do.....	A. E. Johnston.....	3-27-28	205.4
Birdwood Creek.....	do.....	A. E. Johnston.....	4-24-28	215.3
Birdwood Creek.....	do.....	A. E. Johnston.....	5-29-28	180.5
Birdwood Creek.....	do.....	A. E. Johnston.....	6- 8-28	201.0
Birdwood Creek.....	do.....	A. E. Johnston.....	6-27-28	201.4
Birdwood Creek.....	do.....	A. E. Johnston.....	7-18-28	220.6
Birdwood Creek.....	do.....	A. E. Johnston.....	7-26-28	175.1
Birdwood Creek.....	do.....	A. E. Johnston.....	8- 9-28	168.8
Birdwood Creek.....	do.....	A. E. Johnston.....	8-21-28	155.9
Birdwood Creek.....	do.....	A. E. Johnston.....	8-28-28	149.6
Birdwood Creek.....	do.....	A. E. Johnston.....	9- 3-28	150.9
Birdwood Creek.....	do.....	A. E. Johnston.....	9-17-28	150.2
Blue Creek.....	North Line of Section 30-16-42	A. E. Johnston.....	10- 7-27	93.36
Blue Creek.....	do.....	A. E. Johnston.....	10-11-27	86.6
Blue Creek.....	do.....	A. E. Johnston.....	10-29-27	104.3
Blue Creek.....	do.....	A. E. Johnston.....	11-17-27	102.9
Blue Creek.....	do.....	A. E. Johnston.....	11-25-27	123.9
Blue Creek.....	do.....	A. E. Johnston.....	12-23-27	Ice
Blue Creek.....	do.....	A. E. Johnston.....	1-11-28	181.0
Blue Creek.....	do.....	A. E. Johnston.....	1-21-28	94.3
Blue Creek.....	do.....	A. E. Johnston.....	2- 3-28	146.8
Blue Creek.....	do.....	A. E. Johnston.....	2-29-28	135.5
Blue Creek.....	do.....	A. E. Johnston.....	3- 6-28	137.6
Blue Creek.....	do.....	A. E. Johnston.....	3-28-28	142.6
Blue Creek.....	do.....	A. E. Johnston.....	4-26-28	17.2
Blue Creek.....	do.....	A. E. Johnston.....	6- 1-28	28.4
Blue Creek.....	do.....	A. E. Johnston.....	6- 6-28	44.1
Blue Creek.....	do.....	A. E. Johnston.....	6-29-28	109.3
Blue Creek.....	do.....	A. E. Johnston.....	7-19-28	132.1
Blue Creek.....	do.....	A. E. Johnston.....	7-24-28	102.4

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Blue Creek.....	North line of Section 30-16-42.....	A. E. Johnston.....	8-10-28	83.4
Blue Creek.....	do.....	A. E. Johnston.....	8-20-28	16.7
Blue Creek.....	do.....	A. E. Johnston.....	8-27-28	5.9
Blue Creek.....	do.....	A. E. Johnston.....	9- 5-28	28.7
Blue Creek.....	do.....	A. E. Johnston.....	9-19-28	17.5
Blue River.....	Beatrice, Nebraska.....	A. E. Johnston.....	10-24-27	208.0
Blue River.....	do.....	A. E. Johnston.....	12- 5-27	252.0
Blue River.....	do.....	A. E. Johnston.....	3-20-28	323.0
Blue River.....	do.....	A. E. Johnston.....	5-15-28	252.0
Blue River.....	do.....	A. E. Johnston.....	6-20-28	157.0
Blue River (Big).....	Below Power Plant at Seward.....	A. E. Johnston.....	10-22-27	43.0
Blue River (Big).....	do.....	A. E. Johnston.....	12- 3-27	87.0
Blue River (Big).....	do.....	A. E. Johnston.....	1- 6-28	61.6
Blue River (Big).....	do.....	A. E. Johnston.....	2-23-28	73.5
Blue River (Big).....	do.....	A. E. Johnston.....	4-16-28	47.4
Blue River (Little).....	Fairbury, Nebraska.....	A. E. Johnston.....	10-24-27	161.0
Blue River (Little).....	do.....	A. E. Johnston.....	12- 5-27	213.0
Blue River (Little).....	do.....	A. E. Johnston.....	3-20-28	241.0
Blue River (Little).....	do.....	A. E. Johnston.....	5-16-28	1114.0
Blue River (Little).....	do.....	A. E. Johnston.....	6-21-28	274.0
Blue River (Little).....	Hebron, Section 6-2-2 W.....	A. E. Johnston.....	3-21-28	169.5
Blue River (Little).....	do.....	A. E. Johnston.....	5-16-28	190.0
Blue River (Little).....	do.....	A. E. Johnston.....	6-21-28	209.0
Bordeaux Cr. (Big).....	Section 14-33-48.....	A. E. Johnston.....	11- 4-27	6.1
Bordeaux Cr. (Big).....	do.....	A. E. Johnston.....	12-20-27	6.4
Bordeaux Cr. (Big).....	do.....	A. E. Johnston.....	1-17-28	8.43
Bordeaux Cr. (Big).....	do.....	A. E. Johnston.....	2- 8-28	7.28
Bordeaux Cr. (Big).....	do.....	A. E. Johnston.....	4- 3-28	6.4
Bordeaux Cr. (Big).....	do.....	A. E. Johnston.....	5- 4-28	5.6
Bordeaux Cr. (Big).....	do.....	A. E. Johnston.....	7- 5-28	3.8
Bordeaux Cr. (Big).....	do.....	A. E. Johnston.....	8-17-28	2.8
Bordeaux Cr. (Big).....	do.....	A. E. Johnston.....	9-29-28	3.2
Bordeaux Cr. (Lit.).....	Section 13-33-48.....	A. E. Johnston.....	11- 4-27	4.9
Bordeaux Cr. (Lit.).....	do.....	A. E. Johnston.....	12-20-27	3.7
Bordeaux Cr. (Lit.).....	do.....	A. E. Johnston.....	1-17-28	5.8
Bordeaux Cr. (Lit.).....	do.....	A. E. Johnston.....	2- 8-28	6.3
Bordeaux Cr. (Lit.).....	do.....	A. E. Johnston.....	4- 3-28	4.4
Bordeaux Cr. (Lit.).....	do.....	A. E. Johnston.....	5- 4-28	6.5
Bordeaux Cr. (Lit.).....	do.....	A. E. Johnston.....	7- 5-28	3.7
Bordeaux Cr. (Lit.).....	do.....	A. E. Johnston.....	8-17-28	0.6
Bordeaux Cr. (Lit.).....	do.....	A. E. Johnston.....	9-29-28	1.7
Buffalo Creek.....	Sec. 33-9-18, So. of Elm Creek.....	A. E. Johnston.....	10-19-27	1.9
Buffalo Creek.....	do.....	A. E. Johnston.....	10-26-27	0.9
Buffalo Creek.....	do.....	A. E. Johnston.....	11-14-27	2.4

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Buffalo Creek	Sec. 33-9-18, So. of Elm Creek	A. E. Johnston	11-29-27	1.3
Buffalo Creek	do	A. E. Johnston	3-23-28	1.8
Buffalo Creek	do	A. E. Johnston	5-24-28	62.9
Buffalo Creek	do	A. E. Johnston	6-12-28	114.9
Buffalo Creek	do	A. E. Johnston	6-23-28	62.4
Buffalo Creek	do	A. E. Johnston	7-16-28	76.8
Buffalo Creek	do	A. E. Johnston	7-30-28	41.1
Buffalo Creek	do	A. E. Johnston	8- 6-28	46.6
Buffalo Creek	do	A. E. Johnston	8-22-28	47.5
Buffalo Creek	do	A. E. Johnston	8-23-28	9.8
Buffalo Creek	do	A. E. Johnston	8-24-28	36.1
Buffalo Creek	do	A. E. Johnston	8-30-28	51.2
Buffalo Creek	do	A. E. Johnston	8-31-28	68.0
Buffalo Creek	do	A. E. Johnston	9-13-28	100.0
Mouth, Section 20-1-40				
Buffalo Creek	Jenkin's Ranch	C. E. Franklin	10- 6-27	6.54
Buffalo Creek	do	C. E. Franklin	11-10-27	7.6
Buffalo Creek	do	C. E. Franklin	12- 6-27	11.12
Buffalo Creek	do	C. E. Franklin	12-23-27	15.4
Buffalo Creek	do	Franklin-Whitehead	1-25-28	15.6
Buffalo Creek	do	C. E. Franklin	2-15-28	14.2
Buffalo Creek	do	C. E. Franklin	3- 9-28	13.2
Buffalo Creek	do	C. E. Franklin	3-24-28	15.9
Buffalo Creek	do	C. E. Franklin	4-13-28	9.7
Buffalo Creek	do	C. E. Franklin	5-24-28	11.3
Buffalo Creek	do	C. E. Franklin	6-19-28	13.8
Buffalo Creek	do	C. E. Franklin	7-10-28	8.6
Buffalo Creek	do	C. E. Franklin	7-31-28	13.7
Buffalo Creek	do	C. E. Franklin	8-18-28	11.1
Buffalo Creek	do	C. E. Franklin	9-11-28	12.5
Buffalo Creek	do	C. E. Franklin	9-21-28	9.7
Burton Creek	Section 19-34-19, E. of Burton	A. E. Johnston	2-11-28	8.6
Burton Creek	do	A. E. Johnston	4- 6-28	4.3
Burton Creek	do	A. E. Johnston	5- 8-28	2.0
Burton Creek	do	A. E. Johnston	7- 9-28	2.5
Cache Creek	Section 22-26-9	A. E. Johnston	4- 7-28	9.3
Cache Creek	do	A. E. Johnston	5- 9-28	12.1
Cache Creek	do	A. E. Johnston	7-10-28	4.6
Calamus River	Section 4-24-20	A. E. Johnston	10- 1-27	117.2
Calamus River	Section 22-23-18, No. of Taylor	A. E. Johnston	1-27-28	279.0
Calamus River	do	A. E. Johnston	2-17-28	271.0
Calamus River	do	A. E. Johnston	3-13-28	321.0
Calamus River	do	A. E. Johnston	4-18-28	277.0
Calamus River	do	A. E. Johnston	5-22-28	274.0
Calamus River	do	A. E. Johnston	8- 4-28	242.0

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Camp Clark Seep.....	North Line of Section 9-20-51.....	C. E. Franklin.....	10-21-27	9.1
Camp Clark Seep.....	do.....	A. W. Hall.....	11- 5-27	11.5
Camp Clark Seep.....	do.....	A. W. Hall.....	11-21-27	5.1
Camp Clark Seep.....	do.....	A. W. Hall.....	12- 5-27	6.4
Camp Clark Seep.....	do.....	C. E. Franklin.....	1-13-28	4.2
Camp Clark Seep.....	do.....	A. W. Hall.....	2- 9-28	2.8
Camp Clark Seep.....	do.....	A. W. Hall.....	3-16-28	2.5
Camp Clark Seep.....	do.....	A. W. Hall.....	4- 4-28	2.3
Camp Clark Seep.....	do.....	A. W. Hall.....	4-17-28	2.7
Camp Clark Seep.....	do.....	A. W. Hall.....	5- 1-28	1.1
Camp Clark Seep.....	do.....	A. W. Hall.....	5-19-28	2.9
Camp Clark Seep.....	do.....	A. W. Hall.....	6- 5-28	5.0
Camp Clark Seep.....	do.....	A. W. Hall.....	6-29-28	2.2
Camp Clark Seep.....	do.....	A. W. Hall.....	7-18-28	3.8
Camp Clark Seep.....	do.....	A. W. Hall.....	8-24-28	11.2
Camp Clark Seep.....	do.....	A. W. Hall.....	9-11-28	14.4
Carnine Lake.....	At Gage.....	A. E. Johnston.....	8-14-28	0.0
Carnine Lake.....	do.....	A. E. Johnston.....	9-24-28	0.0
Cedar Creek.....	Sec. 11-18-48, ¼ m. above Mouth.....	A. E. Johnston.....	10- 8-27	13.56
Cedar Creek.....	do.....	A. E. Johnston.....	10-11-27	14.84
Cedar Creek.....	do.....	A. E. Johnston.....	11-18-27	12.66
Cedar Creek.....	do.....	A. E. Johnston.....	11-25-27	8.59
Cedar Creek.....	do.....	A. E. Johnston.....	1-11-28	17.4
Cedar Creek.....	do.....	A. E. Johnston.....	1-19-28	21.1
Cedar Creek.....	do.....	A. E. Johnston.....	2- 4-28	21.0
Cedar Creek.....	do.....	A. E. Johnston.....	3- 1-28	20.8
Cedar Creek.....	do.....	A. E. Johnston.....	3- 5-28	16.8
Cedar Creek.....	do.....	A. E. Johnston.....	3-31-28	15.5
Cedar Creek.....	do.....	A. E. Johnston.....	4-27-28	6.0
Cedar Creek.....	do.....	A. E. Johnston.....	6- 5-28	31.9
Cedar Creek.....	do.....	A. E. Johnston.....	7-23-28	26.7
Cedar Creek.....	do.....	A. E. Johnston.....	8-13-28	9.9
Cedar Creek.....	do.....	A. E. Johnston.....	9- 7-28	8.2
Cedar Creek.....	do.....	A. E. Johnston.....	9-20-28	23.9
Sec. 19-14-35,				
Cedar Branch Creek.....	100 yds. above mouth.....	A. E. Johnston.....	10- 6-27	1.78
Cedar Branch Creek.....	do.....	A. E. Johnston.....	10-12-27	1.98
Cedar Branch Creek.....	do.....	A. E. Johnston.....	10-23-27	1.62
Cedar Branch Creek.....	do.....	A. E. Johnston.....	11-16-27	2.22
Cedar Branch Creek.....	do.....	A. E. Johnston.....	11-23-27	2.47
Cedar Branch Creek.....	do.....	A. E. Johnston.....	12-23-27	2.34
Cedar Branch Creek.....	do.....	A. E. Johnston.....	1-10-28	2.4
Cedar Branch Creek.....	do.....	A. E. Johnston.....	1-23-28	2.7
Cedar Branch Creek.....	do.....	A. E. Johnston.....	2-28-28	2.7
Cedar Branch Creek.....	do.....	A. E. Johnston.....	3- 7-28	2.1
Cedar Branch Creek.....	do.....	A. E. Johnston.....	3-27-28	2.5
Cedar Branch Creek.....	do.....	A. E. Johnston.....	4-24-28	2.1
Cedar Branch Creek.....	do.....	A. E. Johnston.....	5-29-28	2.2
Cedar Branch Creek.....	do.....	A. E. Johnston.....	6- 8-28	1.6



## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Section 19-14-35,				
Cedar Branch Creek	100 yds. above mouth	A. E. Johnston	6-27-28	2.0
Cedar Branch Creek	do.	A. E. Johnston	7-18-28	3.7
Cedar Branch Creek	do.	A. E. Johnston	7-26-28	1.8
Cedar Branch Creek	do.	A. E. Johnston	8- 9-28	1.9
Cedar Branch Creek	do.	A. E. Johnston	8-29-28	1.6
Cedar Branch Creek	do.	A. E. Johnston	9- 3-28	1.5
Cedar Branch Creek	do.	A. E. Johnston	9-17-28	1.8
Section 11-16-6, Fullerton, Nebr.				
Cedar River	do.	A. E. Johnston	11-10-27	288.6
Cedar River	do.	A. E. Johnston	2-14-28	407.0
Cedar River	do.	A. E. Johnston	4- 9-28	239.0
Cedar River	do.	A. E. Johnston	5-10-28	226.0
Cedar River	do.	A. E. Johnston	6-15-28	361.9
Cedar River	do.	A. E. Johnston	7-11-28	243.0
Cedar River	do.	A. E. Johnston	8- 3-28	219.0
Cedar Rapids, Nebraska				
Cedar River	do.	A. E. Johnston	5-10-28	243.0
Cedar River	do.	A. E. Johnston	7-11-28	257.0
Section 1-1-15				
Center Creek	1 mile West of Franklin	A. E. Johnston	10-25-27	4.78
Center Creek	do.	A. E. Johnston	12- 7-27	4.63
Center Creek	do.	A. E. Johnston	3-22-28	6.9
Center Creek	do.	A. E. Johnston	5-17-28	5.5
Center Creek	do.	A. E. Johnston	6-22-28	5.8
Chadron Creek				
Chadron Creek No. 1	1½ mile above City Reservoir	A. E. Johnston	11- 3-27	4.6
Chadron Creek No. 1	do.	A. E. Johnston	11-23-27	6.4
Chadron Creek No. 1	do.	A. E. Johnston	12-21-27	5.4
Chadron Creek No. 1	do.	A. E. Johnston	1-17-28	8.7
Chadron Creek No. 1	do.	A. E. Johnston	2- 8-28	4.8
Chadron Creek No. 1	do.	A. W. Hall	3-28-28	4.4
Chadron Creek No. 1	do.	A. E. Johnston	5- 3-28	4.0
Chadron Creek No. 1	do.	A. W. Hall	6-23-28	1.1
Chadron Creek No. 1	do.	A. E. Johnston	7- 5-28	3.2
Chadron Creek No. 1	do.	A. E. Johnston	8-18-28	3.9
Chadron Creek No. 1	do.	A. E. Johnston	9-28-28	2.9
Chadron Creek No. 2				
Chadron Creek No. 2	2100 ft. Below City Reservoir	A. E. Johnston	11- 3-27	0.7
Chadron Creek No. 2	do.	A. E. Johnston	11-23-27	1.1
Chadron Creek No. 2	do.	A. E. Johnston	12-21-27	1.1
Chadron Creek No. 2	do.	A. E. Johnston	1-17-28	1.0
Chadron Creek No. 2	do.	A. E. Johnston	2- 8-28	0.8
Chadron Creek No. 2	do.	A. W. Hall	3-28-28	1.2
Chadron Creek No. 2	do.	A. E. Johnston	5- 4-28	0.9
Chadron Creek No. 2	do.	A. W. Hall	6-23-28	0.6
Chadron Creek No. 2	do.	A. E. Johnston	7- 5-28	2.7
Chadron Creek No. 2	do.	A. E. Johnston	8-18-28	0.7
Chadron Creek No. 2	do.	A. E. Johnston	9-28-28	0.2
Chadron Creek No. 3				
Chadron Creek No. 3	Station 36 of Pipe Line	A. E. Johnston	11- 3-27	2.3
Chadron Creek No. 3	do.	A. E. Johnston	11-22-27	2.6

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Chadron Creek No. 3	Station 36 of Pipe Line.....	A. E. Johnston.....	12-21-27	1.5
Chadron Creek No. 3	do.....	A. E. Johnston.....	1-17-28	1.2
Chadron Creek No. 3	do.....	A. E. Johnston.....	2- 8-28	2.2
Chadron Creek No. 3	do.....	A. E. Johnston.....	3-28-28	1.9
Chadron Creek No. 3	do.....	A. W. Hall.....	5- 4-28	1.4
Chadron Creek No. 3	do.....	A. W. Hall.....	6-22-28	2.9
Chadron Creek No. 3	do.....	A. E. Johnston.....	7- 5-28	0.1
Chadron Creek No. 3	do.....	A. E. Johnston.....	8-18-28	0.9
Chadron Creek No. 3	do.....	A. E. Johnston.....	9-28-28	0.1
Chadron-Crawford Highway				
Chadron Creek No. 4	Section 22-23-49.....	A. E. Johnston.....	11- 3-27	2.9
Chadron Creek No. 4	do.....	A. E. Johnston.....	11-22-27	5.4
Chadron Creek No. 4	do.....	A. E. Johnston.....	12-20-27	3.4
Chadron Creek No. 4	do.....	A. E. Johnston.....	1-16-28	10.1
Chadron Creek No. 4	do.....	A. E. Johnston.....	2- 7-28	9.8
Chadron Creek No. 4	do.....	A. W. Hall.....	3-28-28	7.8
Chadron Creek No. 4	do.....	A. E. Johnston.....	5- 3-28	3.3
Chadron Creek No. 4	do.....	A. W. Hall.....	6-22-28	7.0
Chadron Creek No. 4	do.....	A. E. Johnston.....	7- 3-28	1.9
Chadron Creek No. 4	do.....	A. E. Johnston.....	8-17-28	3.5
Chadron Creek No. 4	do.....	A. E. Johnston.....	9-28-28	0.3
South of Torrington, Wyo.				
Cherry Creek.....	Section 22-24-61.....	C. E. Franklip.....	10-14-27	10.4
Cherry Creek.....	do.....	A. W. Hall.....	11- 8-27	7.6
Cherry Creek.....	do.....	A. W. Hall.....	11-23-27	5.9
Cherry Creek.....	do.....	C. E. Franklin.....	12-11-27	5.9
Cherry Creek.....	do.....	C. E. Franklin.....	1-11-28	12.7
Cherry Creek.....	do.....	A. W. Hall.....	2-11-28	3.9
Cherry Creek.....	do.....	A. W. Hall.....	3-20-28	6.7
Cherry Creek.....	do.....	A. W. Hall.....	5- 3-28	5.8
Cherry Creek.....	do.....	A. W. Hall.....	5-16-28	15.3
Cherry Creek.....	do.....	A. W. Hall.....	6-15-28	19.4
Cherry Creek.....	do.....	A. W. Hall.....	7- 6-28	23.8
Cherry Creek.....	do.....	A. W. Hall.....	8- 3-28	57.2
Cherry Creek.....	do.....	A. W. Hall.....	9- 5-28	73.2
Cherry Creek.....	do.....	A. W. Hall.....	9-24-28	60.5
Bridge So. of Torrington, Wyo.				
Cherry Creek.....	Wyoming measurement.....	Goyne Drummond.....	5-31-28	18.6
Section 32-16-40				
Clear Creek.....	do.....	A. E. Johnston.....	10- 7-27	12.14
Clear Creek.....	do.....	A. E. Johnston.....	10-12-27	12.89
Clear Creek.....	do.....	A. E. Johnston.....	11-28-27	10.26
Clear Creek.....	do.....	A. E. Johnston.....	11-17-27	12.5
Clear Creek.....	do.....	A. E. Johnston.....	11-26-27	12.9
Clear Creek.....	do.....	A. E. Johnston.....	12-23-27	8.3
Section 5-15-41				
Clear Creek.....	do.....	A. E. Johnston.....	1-10-28	19.9
Clear Creek.....	do.....	A. E. Johnston.....	1-21-28	17.9

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Clear Creek.....	Section 5-15-41.....	A. E. Johnston.....	2- 3-28	17.8
Clear Creek.....	do.....	A. E. Johnston.....	2-29-28	10.9
Clear Creek.....	do.....	A. E. Johnston.....	3- 6-28	11.0
Clear Creek.....	do.....	A. E. Johnston.....	3-28-28	11.8
Clear Creek.....	do.....	A. E. Johnston.....	4-25-28	11.9
Clear Creek.....	do.....	A. E. Johnston.....	5-31-28	12.0
Clear Creek.....	do.....	A. E. Johnston.....	6- 7-28	13.7
Clear Creek.....	do.....	A. E. Johnston.....	6-28-28	11.2
Clear Creek.....	do.....	A. E. Johnston.....	7-19-28	14.1
Clear Creek.....	do.....	A. E. Johnston.....	7-25-28	12.2
Clear Creek.....	do.....	A. E. Johnston.....	8-10-28	11.5
Clear Creek.....	do.....	A. E. Johnston.....	8-21-28	9.0
Clear Creek.....	do.....	A. E. Johnston.....	9- 4-28	0.0
Clear Creek.....	do.....	A. E. Johnston.....	9-18-28	0.0
Clear Creek.....	Sec. 26-14-16, E. of Litchfield.....	A. E. Johnston.....	10-20-27	4.19
Clear Creek.....	do.....	A. E. Johnston.....	11-11-27	3.5
Clear Creek.....	do.....	A. E. Johnston.....	11-30-27	10.4
Clear Creek.....	do.....	A. E. Johnston.....	1-26-28	6.9
Clear Creek.....	do.....	A. E. Johnston.....	2-18-28	5.8
Clear Creek.....	do.....	A. E. Johnston.....	3-12-28	10.2
Clear Creek.....	do.....	A. E. Johnston.....	4-19-28	5.0
Clear Creek.....	do.....	A. E. Johnston.....	5-23-28	22.1
Clear Creek.....	do.....	A. E. Johnston.....	8- 6-28	3.9
Clear Creek.....	do.....	A. E. Johnston.....	8-27-28	0.0
Clear Creek (Upper).....	Sec. 35-13-9 E, No. of Ashland.....	A. E. Johnston.....	2-22-28	14.4
Clear Creek (Upper).....	do.....	A. E. Johnston.....	3-19-28	17.4
Clear Creek (Upper).....	do.....	A. E. Johnston.....	4-14-28	5.8
Clear Creek (Upper).....	do.....	A. E. Johnston.....	5-14-28	7.2
Clear Creek (Upper).....	do.....	A. E. Johnston.....	6-19-28	10.6
Clear Water Creek.....	Section 6-25-7.....	A. E. Johnston.....	11- 9-27	41.7
Clear Water Creek.....	do.....	A. E. Johnston.....	2-13-28	134.4
Clear Water Creek.....	do.....	A. E. Johnston.....	4- 7-28	53.5
Clear Water Creek.....	do.....	A. E. Johnston.....	5- 9-28	42.7
Clear Water Creek.....	do.....	A. E. Johnston.....	7-10-28	39.1
Cold Water Creek.....	Section 34-13-46.....	A. E. Johnston.....	10- 8-27	0.24
Cold Water Creek.....	do.....	A. E. Johnston.....	10-29-27	2.52
Cold Water Creek.....	do.....	A. E. Johnston.....	11-18-27	1.15
Cold Water Creek.....	do.....	A. E. Johnston.....	11-25-27	1.63
Cold Water Creek.....	do.....	A. E. Johnston.....	12-23-27	2.41
Cold Water Creek.....	do.....	A. E. Johnston.....	1-11-28	3.2
Cold Water Creek.....	do.....	A. E. Johnston.....	1-20-28	3.3
Cold Water Creek.....	do.....	A. E. Johnston.....	2- 3-28	1.7
Cold Water Creek.....	do.....	A. E. Johnston.....	3- 1-28	3.2
Cold Water Creek.....	do.....	A. E. Johnston.....	3- 5-28	1.4
Cold Water Creek.....	do.....	A. E. Johnston.....	3-29-28	4.9
Cold Water Creek.....	do.....	A. E. Johnston.....	4-27-28	0.8
Cold Water Creek.....	do.....	A. E. Johnston.....	6- 2-28	1.3

## DEPARTMENT OF PUBLIC WORKS

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## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Cold Water Creek.....	Section 34-18-46.....	A. E. Johnston.....	6- 5-28	1.1
Cold Water Creek.....	do.....	A. E. Johnston.....	6-30-28	7.8
Cold Water Creek.....	do.....	A. E. Johnston.....	7-20-28	7.9
Cold Water Creek.....	do.....	A. E. Johnston.....	7-23-28	4.9
Cold Water Creek.....	do.....	A. E. Johnston.....	9- 6-28	0.1
Cold Water Creek.....	do.....	A. E. Johnston.....	9-20-28	0.4
¼ mile North of Dunlap				
Cottonwood Creek.....	Sections 26 & 27-29-48.....	A. E. Johnston.....	11- 2-27	1.4
Cottonwood Creek.....	do.....	A. E. Johnston.....	11-22-27	2.9
Cottonwood Creek.....	do.....	A. E. Johnston.....	12-21-27	Ice
Cottonwood Creek.....	do.....	A. E. Johnston.....	1-17-28	2.2
Cottonwood Creek.....	do.....	A. E. Johnston.....	2- 6-28	3.8
Cottonwood Creek.....	do.....	A. E. Johnston.....	4-30-28	1.2
Cottonwood Creek.....	do.....	A. E. Johnston.....	7- 2-28	1.2
Cottonwood Creek.....	do.....	A. E. Johnston.....	8-14-28	0.4
Cottonwood Creek.....	do.....	A. E. Johnston.....	9-24-28	0.3
Below Bloomington Power House				
Cottonwood Creek.....	Section 25-2-16.....	A. E. Johnston.....	10-25-27	3.1
Cottonwood Creek.....	do.....	A. E. Johnston.....	12- 7-27	4.09
Section 8-32-51 So. Whitney				
Cottonwd. Cr. (Lit.).....	Pipe Line Outlet.....	A. E. Johnston.....	11- 3-27	4.0
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	11-22-27	5.9
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	12-20-27	5.9
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	1-16-28	6.8
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	2- 7-28	4.9
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	3-28-28	5.6
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	4- 3-28	5.5
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	5- 3-28	10.7
Cottonwd. Cr. (Lit.).....	do.....	A. W. Hall.....	6-22-28	74.4
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	7- 3-28	3.2
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	8-17-28	0.53
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	9-28-28	*0.50
Cottonwd. Cr. (Lit.).....	Section 8-32-52.....	A. E. Johnston.....	5- 3-28	4.7
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	8-16-28	1.1
Cottonwd. Cr. (Lit.).....	do.....	A. E. Johnston.....	9-27-28	0.9
Below Bloomington Power House				
Cottonwd. Cr. (Big).....	Section 6-1-15.....	A. E. Johnston.....	3-22-28	5.6
Cottonwd. Cr. (Big).....	do.....	A. E. Johnston.....	5-17-28	4.9
Cottonwd. Cr. (Big).....	do.....	A. E. Johnston.....	6-22-28	6.1
Crooked Creek.....	Section 19-34-19, So. of Burton.....	A. E. Johnston.....	2-11-28	1.4
Crooked Creek.....	do.....	A. E. Johnston.....	4- 6-28	1.3
Crooked Creek.....	do.....	A. E. Johnston.....	5- 8-28	1.5
Crooked Creek.....	do.....	A. E. Johnston.....	7- 9-28	0.8
Dead Horse Creek.....	Section 32-32-49.....	A. E. Johnston.....	11- 3-27	2.8
Dead Horse Creek.....	do.....	A. E. Johnston.....	11-22-27	4.2
Dead Horse Creek.....	do.....	A. E. Johnston.....	4- 3-28	4.6

\* Estimated.

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Dead Horse Creek.....	Section 32-33-49.....	A. E. Johnston.....	7- 3-28	1.4
Dead Horse Creek.....	do.....	A. E. Johnston.....	8-17-28	1.8
Dead Horse Creek.....	do.....	A. E. Johnston.....	9-28-28	0.9
Dry Creek.....	Merriman, Nebraska.....	A. E. Johnston.....	7- 6-28	4.9
Dugout Cr. (Upper) West Line Section 21-20-50.....		C. E. Franklin.....	10-21-27	2.8
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	11-16-27	*0.5
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	5-22-28	29.4
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	7- 2-28	5.1
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	7-18-28	19.6
Dugout Cr. (Upper).....	do.....	A. W. Hall.....	9-12-28	2.5
Section 4-19-48				
Dugout Cr. (Lower) Below Cooper Canal.....		A. E. Johnston.....	1-19-28	2.2
Dugout Cr. (Lower).....	do.....	A. E. Johnston.....	2- 4-28	2.6
Dugout Cr. (Lower).....	do.....	A. E. Johnston.....	3- 1-28	2.9
Dugout Cr. (Lower).....	do.....	A. E. Johnston.....	3- 5-28	1.5
Dugout Cr. (Lower).....	do.....	A. E. Johnston.....	3-31-28	2.5
Dugout Cr. (Lower).....	do.....	A. E. Johnston.....	6- 4-28	1.9
Dugout Cr. (Lower).....	do.....	A. E. Johnston.....	7-23-28	1.9
Dugout Cr. (Lower).....	do.....	A. E. Johnston.....	8-13-28	0.4
Dugout Cr. (Lower).....	do.....	A. E. Johnston.....	9- 7-28	0.6
Eagle Creek.....	Section 24-32-12.....	A. E. Johnston.....	11- 8-27	43.6
Elkhorn River.....	Neligh, Nebraska.....	A. E. Johnston.....	11- 9-27	237.0
Elkhorn River.....	do.....	A. E. Johnston.....	2-14-28	479.0
Elkhorn River.....	do.....	A. E. Johnston.....	4- 9-28	278.0
Elkhorn River.....	do.....	A. E. Johnston.....	5-10-28	276.0
Elkhorn River.....	do.....	A. E. Johnston.....	7-11-28	170.0
Elkhorn River.....	O'Neil, Nebraska.....	A. E. Johnston.....	11- 8-27	47.8
Elkhorn River.....	Arlington, Nebraska.....	A. E. Johnston.....	2-21-28	995.0
Elkhorn River.....	do.....	A. E. Johnston.....	3-17-28	1237.0
Elkhorn River.....	do.....	A. E. Johnston.....	4-13-28	931.0
Elkhorn River.....	do.....	A. E. Johnston.....	5-12-28	726.0
Elkhorn River.....	do.....	A. E. Johnston.....	6-19-28	1825.0
Elkhorn River.....	do.....	A. E. Johnston.....	7-13-28	638.0
Elkhorn River.....	do.....	A. E. Johnston.....	8- 2-28	463.0
Elkhorn River.....	Sec. 34-27-9, North of Ewing.....	A. E. Johnston.....	4- 7-28	103.3
Elkhorn River.....	do.....	A. E. Johnston.....	5- 9-28	112.7
Elkhorn River.....	do.....	A. E. Johnston.....	7-10-28	44.4
Elkhorn R. So. Br.....	Sec. 3-26-9 South of Ewing.....	A. E. Johnston.....	4- 7-28	45.3
Elkhorn R. So. Br.....	do.....	A. E. Johnston.....	5- 9-28	37.0
Elkhorn R. So. Br.....	do.....	A. E. Johnston.....	7-10-28	29.5

\* Estimated.

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Elm Creek.....	Section 10-1-10, Lester.....	A. E. Johnston.....	11-25-27	11.41
Elm Creek.....	do.....	A. E. Johnston.....	12- 6-27	26.7
Elm Creek.....	do.....	A. E. Johnston.....	3-21-28	8.3
Elm Creek.....	do.....	A. E. Johnston.....	5-16-28	20.8
Elm Creek.....	do.....	A. E. Johnston.....	6-21-28	10.2
Center Section 33-9-18				
Elm Creek.....	South of Elm Creek.....	A. E. Johnston.....	10- 3-27	64.7
Elm Creek.....	do.....	A. E. Johnston.....	3-10-28	6.0
Elm Creek.....	do.....	A. E. Johnston.....	4-20-28	38.6
Fairfield Seep.....	Section 18-21-53.....	C. E. Franklin.....	10-19-27	2.40
Fairfield Seep.....	do.....	A. W. Hall.....	11-22-27	2.57
Fairfield Seep.....	do.....	A. W. Hall.....	12- 5-27	1.48
Fairfield Seep.....	do.....	A. W. Hall.....	1-13-28	3.6
Fairfield Seep.....	do.....	A. W. Hall.....	2- 9-28	3.8
Fairfield Seep.....	do.....	A. W. Hall.....	3-17-28	2.7
Fairfield Seep.....	do.....	A. W. Hall.....	3-19-28	9.2
Fairfield Seep.....	do.....	A. W. Hall.....	4- 5-28	3.9
Fairfield Seep.....	do.....	A. W. Hall.....	4-18-28	1.6
Fairfield Seep.....	do.....	A. W. Hall.....	5- 1-28	0.9
Fairfield Seep.....	do.....	A. W. Hall.....	6- 6-28	8.7
Fairfield Seep.....	do.....	A. W. Hall.....	8- 6-28	6.0
Fairfield Seep.....	do.....	A. W. Hall.....	8-24-28	3.7
1 mi. North of Mitchell Bridge				
Fanning Seep.....	Section 28-23-56.....	C. E. Franklin.....	10-18-27	10.08
Fanning Seep.....	do.....	A. W. Hall.....	11- 8-27	14.0
Fanning Seep.....	do.....	A. W. Hall.....	11-22-27	6.75
Fanning Seep.....	do.....	A. W. Hall.....	2-11-28	9.3
Fanning Seep.....	do.....	A. W. Hall.....	3-19-28	9.2
Fanning Seep.....	do.....	A. W. Hall.....	4- 7-28	7.7
Fanning Seep.....	do.....	A. W. Hall.....	4-18-28	7.7
Fanning Seep.....	do.....	A. W. Hall.....	5-18-28	11.2
Fanning Seep.....	do.....	A. W. Hall.....	8-15-28	8.6
Farmer's Creek.....	3 mi. West of Riverton.....	A. E. Johnston.....	10-25-27	2.14
Farmer's Creek.....	do.....	A. E. Johnston.....	12- 6-27	4.23
Farmer's Creek.....	do.....	A. E. Johnston.....	3-21-28	4.3
Farmer's Creek.....	do.....	A. E. Johnston.....	5-17-28	3.1
Farmer's Creek.....	do.....	A. E. Johnston.....	6-22-28	4.7
Below Artision Wells				
Frenchman River.....	Section 11-6-41.....	C. E. Franklin.....	2-14-28	3.8
Frenchman River.....	do.....	C. E. Franklin.....	3- 5-28	4.1
Frenchman River.....	do.....	C. E. Franklin.....	3-21-28	4.1
Frenchman River.....	do.....	C. E. Franklin.....	4- 9-28	3.4
Frenchman River.....	do.....	C. E. Franklin.....	5-17-28	8.2

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Above Maranville Reservoir				
Frenchman River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 10-6-41	C. E. Franklin	11- 3-27	4.8
Frenchman River	do	C. E. Franklin	11-27-27	4.8
Frenchman River	do	C. E. Franklin	12-20-27	3.6
Frenchman River	do	C. E. Franklin	1-21-28	5.1
Frenchman River	do	C. E. Franklin	2-14-28	4.1
Frenchman River	do	C. E. Franklin	3- 5-28	3.2
Frenchman River	do	C. E. Franklin	3-21-28	4.7
Frenchman River	do	C. E. Franklin	4- 9-28	2.6
Frenchman River	do	C. E. Franklin	5-17-28	3.9
Frenchman River	do	C. E. Franklin	6-20-28	22.6
Frenchman River	do	C. E. Franklin	7-12-28	4.7
Frenchman River	do	C. E. Franklin	7-26-28	7.4
Frenchman River	do	C. E. Franklin	8-14-28	5.2
Frenchman River	do	C. E. Franklin	9- 7-28	4.2
Frenchman River	do	C. E. Franklin	9-19-28	2.5
Frenchman River	do	C. E. Franklin	9-30-28	4.4
Below Maranville Reservoir				
Frenchman River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 11-6-41	C. E. Franklin	11- 3-27	3.9
Frenchman River	do	C. E. Franklin	11-27-27	5.2
Frenchman River	do	C. E. Franklin	12-20-27	5.4
Frenchman River	do	C. E. Franklin	1-21-28	5.9
Frenchman River	do	C. E. Franklin	2-14-28	3.7
Frenchman River	do	C. E. Franklin	3- 5-28	5.1
Frenchman River	do	C. E. Franklin	3-21-28	5.9
Frenchman River	do	C. E. Franklin	4- 9-28	5.5
Frenchman River	do	C. E. Franklin	5-17-28	*0.5
Frenchman River	do	C. E. Franklin	6-20-28	19.9
Frenchman River	do	C. E. Franklin	7-12-28	0.0
Frenchman River	do	C. E. Franklin	7-24-28	1400.0
Frenchman River	do	C. E. Franklin	7-26-28	18.5
Frenchman River	do	C. E. Franklin	8-14-28	*0.6
Frenchman River	do	C. E. Franklin	9- 7-28	1.5
Frenchman River	do	C. E. Franklin	9-19-28	1.0
Frenchman River	do	C. E. Franklin	9-30-28	1.1
Below Inman Canal SE $\frac{1}{4}$ SW $\frac{1}{4}$				
Frenchman River	Section 17-6-40	C. E. Franklin	11- 3-27	17.6
Frenchman River	do	C. E. Franklin	11-27-27	16.8
Frenchman River	do	C. E. Franklin	12-20-27	19.6
Frenchman River	do	C. E. Franklin	1-21-28	21.4
Frenchman River	do	C. E. Franklin	2-14-28	14.5
Frenchman River	do	C. E. Franklin	3- 5-28	15.1
Frenchman River	do	C. E. Franklin	3-21-28	14.6
Frenchman River	do	C. E. Franklin	4- 9-28	4.8
Frenchman River	do	C. E. Franklin	5-17-28	10.6
Frenchman River	do	C. E. Franklin	6-20-28	56.5
Frenchman River	do	C. E. Franklin	7-12-28	13.9
Frenchman River	do	C. E. Franklin	7-26-28	56.4

\* Estimated.

## DEPARTMENT OF PUBLIC WORKS

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## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Below Inman Canal SE $\frac{1}{4}$ SW $\frac{1}{4}$				
Frenchman River	Section 17-6-40	C. E. Franklin	8-14-28	15.5
Frenchman River	do.	C. E. Franklin	9- 7-28	17.2
Frenchman River	do.	C. E. Franklin	9-19-28	12.1
Frenchman River	do.	C. E. Franklin	9-30-28	14.1
Above Champion Reservoir				
Frenchman River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 22-6-40	C. E. Franklin	11- 3-27	24.6
Frenchman River	do.	C. E. Franklin	11-27-27	27.5
Frenchman River	do.	C. E. Franklin	12-20-27	25.1
Frenchman River	do.	C. E. Franklin	1-21-28	21.6
Frenchman River	do.	C. E. Franklin	2-14-28	26.2
Frenchman River	do.	C. E. Franklin	3- 5-28	21.4
Frenchman River	do.	C. E. Franklin	3-21-28	23.0
Frenchman River	do.	C. E. Franklin	4- 9-28	12.6
Frenchman River	do.	C. E. Franklin	5-18-28	23.7
Frenchman River	do.	C. E. Franklin	6-20-28	116.2
Frenchman River	do.	C. E. Franklin	7-12-28	26.3
Frenchman River	do.	C. E. Franklin	7-26-28	31.2
Frenchman River	do.	C. E. Franklin	8-14-28	21.8
Frenchman River	do.	C. E. Franklin	9- 7-28	23.0
Frenchman River	do.	C. E. Franklin	9-20-28	18.5
Frenchman River	do.	C. E. Franklin	9-30-28	19.4
Below Champion Reservoir				
Frenchman River	do.	C. E. Franklin	11- 3-27	11.4
Frenchman River	do.	C. E. Franklin	11-27-27	17.0
Frenchman River	do.	C. E. Franklin	12-20-27	13.4
Frenchman River	do.	C. E. Franklin	1-21-28	27.5
Frenchman River	do.	C. E. Franklin	2-14-28	16.3
Frenchman River	do.	C. E. Franklin	3- 5-28	10.9
Frenchman River	do.	C. E. Franklin	3-21-28	17.3
Frenchman River	do.	C. E. Franklin	4- 9-28	7.1
Frenchman River	do.	C. E. Franklin	5-18-28	10.3
Frenchman River	do.	C. E. Franklin	6-20-28	*
Frenchman River	do.	C. E. Franklin	7-12-28	7.8
Frenchman River	do.	C. E. Franklin	7-26-28	61.7
Frenchman River	do.	C. E. Franklin	8-14-28	2.6
Frenchman River	do.	C. E. Franklin	9- 7-28	11.6
Frenchman River	do.	C. E. Franklin	9-20-28	0.9
Frenchman River	do.	C. E. Franklin	9-30-28	7.5
Champion, NE $\frac{1}{4}$ SE $\frac{1}{4}$				
Frenchman River	Section 21-6-39	C. E. Franklin	11- 3-27	45.0
Frenchman River	do.	C. E. Franklin	11-27-27	36.6
Frenchman River	do.	C. E. Franklin	12-20-27	33.4
Frenchman River	do.	C. E. Franklin	1-21-28	71.0
Frenchman River	do.	C. E. Franklin	2-14-28	42.2
Frenchman River	do.	C. E. Franklin	3- 5-28	34.7
Frenchman River	do.	C. E. Franklin	3-21-28	33.1
Frenchman River	do.	C. E. Franklin	4- 9-28	35.8
Frenchman River	do.	C. E. Franklin	5-18-28	35.2

\* Bridge Washed Out



## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Champion, NE $\frac{1}{4}$ SE $\frac{1}{4}$				
Frenchman River	Section 21-6-39	C. E. Franklin	6-20-28	228.3
Frenchman River	do	C. E. Franklin	7-12-28	57.5
Frenchman River	do	C. E. Franklin	7-26-28	106.9
Frenchman River	do	C. E. Franklin	8-14-28	31.1
Frenchman River	do	C. E. Franklin	9- 7-28	43.0
Frenchman River	do	C. E. Franklin	9-20-28	54.4
Frenchman River	do	C. E. Franklin	9-30-28	41.7
South of Imperial				
Frenchman River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 30-6-38	C. E. Franklin	11- 3-27	57.4
Frenchman River	do	C. E. Franklin	11-27-27	45.6
Frenchman River	do	C. E. Franklin	12-20-27	68.0
Frenchman River	do	C. E. Franklin	1-24-28	75.6
Frenchman River	do	C. E. Franklin	2-14-28	72.5
Frenchman River	do	C. E. Franklin	3- 5-28	58.5
Frenchman River	do	C. E. Franklin	3-21-28	58.7
Frenchman River	do	C. E. Franklin	4- 9-28	44.7
Frenchman River	do	C. E. Franklin	5-18-28	57.8
Frenchman River	do	C. E. Franklin	6-20-28	225.7
Frenchman River	do	C. E. Franklin	7-12-28	48.8
Frenchman River	do	C. E. Franklin	7-26-28	142.8
Frenchman River	do	C. E. Franklin	8-14-28	4.4
Frenchman River	do	C. E. Franklin	9- 7-28	55.7
Frenchman River	do	C. E. Franklin	9-20-28	55.4
Frenchman River	do	C. E. Franklin	9-30-28	37.6
Wauneta, NW $\frac{1}{4}$ NE $\frac{1}{4}$				
Frenchman River	Section 11-5-36	C. E. Franklin	11- 3-27	98.1
Frenchman River	do	C. E. Franklin	11-27-27	96.6
Frenchman River	do	C. E. Franklin	12-20-27	82.1
Frenchman River	do	C. E. Franklin	1-21-28	116.2
Frenchman River	do	C. E. Franklin	2-13-28	121.2
Frenchman River	do	C. E. Franklin	3- 5-28	101.7
Frenchman River	do	C. E. Franklin	3-21-28	109.0
Frenchman River	do	C. E. Franklin	4- 9-28	93.6
Frenchman River	do	C. E. Franklin	5-18-28	119.0
Frenchman River	do	C. E. Franklin	6-20-28	280.6
Frenchman River	do	C. E. Franklin	7-12-28	161.8
Frenchman River	do	C. E. Franklin	7-26-28	121.4
Frenchman River	do	C. E. Franklin	8-14-28	97.4
Frenchman River	do	C. E. Franklin	9- 7-28	96.5
Frenchman River	do	C. E. Franklin	9-20-28	83.3
Frenchman River	do	C. E. Franklin	9-30-28	65.5
North of Palisade				
Frenchman River	do	C. E. Franklin	10- 2-27	73.0
Frenchman River	do	C. E. Franklin	11- 4-27	51.8
Frenchman River	do	C. E. Franklin	11-27-27	119.3
Frenchman River	do	C. E. Franklin	12-20-27	101.1
Frenchman River	do	C. E. Franklin	1-22-28	136.1
Frenchman River	do	C. E. Franklin	2-12-28	159.5
Frenchman River	do	C. E. Franklin	3-22-28	135.3

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Frenchman River	North of Palisade	C. E. Franklin	4-10-28	113.7
Frenchman River	do	C. E. Franklin	5-20-28	235.5
Frenchman River	do	C. E. Franklin	6-24-28	290.2
Frenchman River	do	C. E. Franklin	7-14-28	157.2
Frenchman River	do	C. E. Franklin	7-27-28	339.0
Frenchman River	do	C. E. Franklin	8-15-28	123.1
Frenchman River	do	C. E. Franklin	9- 8-28	74.0
Frenchman River	do	C. E. Franklin	9-20-28	41.3
Frenchman River	W. of Culbertson, Sec. 16-3-31	C. E. Franklin	10- 4-27	68.4
Frenchman River	do	C. E. Franklin	11- 5-27	69.2
Frenchman River	do	C. E. Franklin	12-21-27	100.5
Frenchman River	do	C. E. Franklin	1-22-28	167.3
Frenchman River	do	C. E. Franklin	2-10-28	176.1
Frenchman River	do	C. E. Franklin	3- 7-28	135.2
Frenchman River	do	C. E. Franklin	3-22-28	166.5
Frenchman River	do	C. E. Franklin	4-10-28	143.7
Frenchman River	do	C. E. Franklin	5-19-28	437.2
Frenchman River	do	C. E. Franklin	6-21-28	505.0
Frenchman River	do	C. E. Franklin	7-14-28	229.0
Frenchman River	do	C. E. Franklin	7-29-28	202.6
Frenchman River	do	C. E. Franklin	8-15-28	135.9
Frenchman River	do	C. E. Franklin	9- 8-28	77.9
Frenchman River	do	C. E. Franklin	9-20-28	57.6
Frenchman River	Below Culbertson Canal	C. E. Franklin	10- 4-27	71.5
Gering Drain	Section 6-21-54	C. E. Franklin	10-19-27	37.6
Gering Drain	do	A. W. Hall	11- 8-27	29.4
Gering Drain	do	A. W. Hall	11-23-27	23.4
Gering Drain	do	A. W. Hall	12- 6-27	21.3
Gering Drain	do	C. E. Franklin	1-13-28	15.9
Gering Drain	do	A. W. Hall	2-10-28	12.4
Gering Drain	do	A. W. Hall	3-19-28	16.4
Gering Drain	do	A. W. Hall	4- 5-28	13.4
Gering Drain	do	A. W. Hall	4-18-28	9.4
Gering Drain	do	A. W. Hall	5- 5-28	29.1
Gering Drain	do	A. W. Hall	5-18-28	33.0
Gering Drain	do	A. W. Hall	6-14-28	50.3
Gering Drain	do	A. W. Hall	7- 5-28	30.8
Gering Drain	do	A. W. Hall	8- 6-28	30.7
Gering Drain	do	A. W. Hall	7-27-28	129.1
Gering Drain	do	A. W. Hall	9- 7-28	43.7
Gering Drain	do	A. W. Hall	9-26-28	73.5
Gering Waste	At Henry Bridge	A. W. Hall	3-21-28	294.0
Gering Waste	do	A. W. Hall	5-16-28	464.0
Gering Waste	do	A. W. Hall	5-24-28	736.0
Gering Waste	do	A. W. Hall	6-30-28	212.0
Gering Waste	do	A. W. Hall	7- 6-28	113.0
Gering Waste	do	A. W. Hall	7-14-28	56.0

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Gering Waste	At Henry Bridge	A. W. Hall	7-20-28	111.0
Gering Waste	do	A. W. Hall	8-16-28	95.5
Gordon Creek	Section 30-33-28, at Mouth	A. E. Johnston	2-10-28	14.8
Gordon Creek	do	A. E. Johnston	4-5-28	14.6
Gordon Creek	do	A. E. Johnston	5-7-28	11.9
Gordon Creek	do	A. E. Johnston	7-7-28	46.7
Gothenburg Pr. Wst.	West 16th St., Gothenburg	A. E. Johnston	10-4-27	85.7
Gothenburg Pr. Wst.	do	A. E. Johnston	10-19-27	71.4
Gothenburg Pr. Wst.	do	A. E. Johnston	10-26-27	64.78
Gothenburg Pr. Wst.	do	A. E. Johnston	11-14-27	88.3
Gothenburg Pr. Wst.	do	A. E. Johnston	11-29-27	84.5
Gothenburg Pr. Wst.	do	A. E. Johnston	12-8-27	0.0
Gothenburg Pr. Wst.	do	A. E. Johnston	1-9-28	68.0
Gothenburg Pr. Wst.	do	A. E. Johnston	1-25-28	100.8
Gothenburg Pr. Wst.	do	A. E. Johnston	1-31-28	99.2
Gothenburg Pr. Wst.	do	A. E. Johnston	2-25-28	6.0
Gothenburg Pr. Wst.	do	A. E. Johnston	3-9-28	86.9
Gothenburg Pr. Wst.	do	A. E. Johnston	3-24-28	110.4
Gothenburg Pr. Wst.	do	A. E. Johnston	4-21-28	239.6
Gothenburg Pr. Wst.	do	A. E. Johnston	5-25-28	218.1
Gothenburg Pr. Wst.	do	A. E. Johnston	6-11-28	190.2
Gothenburg Pr. Wst.	do	A. E. Johnston	6-25-28	218.9
Gothenburg Pr. Wst.	do	A. E. Johnston	7-17-28	202.6
Gothenburg Pr. Wst.	do	A. E. Johnston	7-30-28	256.0
Gothenburg Pr. Wst.	do	A. E. Johnston	8-7-28	287.9
Gothenburg Pr. Wst.	do	A. E. Johnston	8-23-28	257.8
Gothenburg Pr. Wst.	do	A. E. Johnston	8-24-28	190.6
Gothenburg Pr. Wst.	do	A. E. Johnston	8-30-28	193.3
Gothenburg Pr. Wst.	do	A. E. Johnston	9-1-28	193.4
Gothenburg Pr. Wst.	do	A. E. Johnston	9-14-28	218.2
Government Spring	Below Ft. Robinson Pump Plant	A. E. Johnston	11-2-27	0.97
Government Spring	do	A. E. Johnston	11-22-27	1.19
Government Spring	do	A. E. Johnston	12-20-27	0.52
Government Spring	do	A. E. Johnston	1-16-28	1.0
Government Spring	do	A. E. Johnston	2-7-28	0.3
Government Spring	do	A. E. Johnston	4-3-28	0.9
Government Spring	do	A. E. Johnston	5-2-28	0.8
Government Spring	do	A. E. Johnston	7-3-28	1.1
Government Spring	do	A. E. Johnston	8-16-28	1.0
Government Spring	do	A. E. Johnston	9-26-28	0.7
Gravel Creek	Section 9-14-36, 3 Ft. Weir	A. E. Johnston	10-12-27	2.56
Gravel Creek	do	A. E. Johnston	10-28-27	2.65
Gravel Creek	do	A. E. Johnston	11-16-27	3.05
Gravel Creek	do	A. E. Johnston	11-26-27	2.56
Gravel Creek	do	A. E. Johnston	12-10-27	2.56
Gravel Creek	do	A. E. Johnston	12-23-27	2.56
Gravel Creek	do	A. E. Johnston	1-10-28	2.09

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge*	
			Date	Sec. Ft.
Gravel Creek.....	Section 9-14-36, 3 Ft. Weir.....	A. E. Johnston.....	1-23-28	3.05
Gravel Creek.....	do.....	A. E. Johnston.....	2- 2-28	3.05
Gravel Creek.....	do.....	A. E. Johnston.....	2-28-28	2.56
Gravel Creek.....	do.....	A. E. Johnston.....	3- 7-28	2.56
Gravel Creek.....	do.....	A. E. Johnston.....	3-27-28	2.56
Gravel Creek.....	do.....	A. E. Johnston.....	4-25-28	3.0
Gravel Creek.....	do.....	A. E. Johnston.....	5-31-28	3.6
Gravel Creek.....	do.....	A. E. Johnston.....	6- 7-28	3.1
Gravel Creek.....	do.....	A. E. Johnston.....	6-28-28	3.1
Gravel Creek.....	do.....	A. E. Johnston.....	7-19-28	3.1
Gravel Creek.....	do.....	A. E. Johnston.....	9- 4-28	2.6
Gravel Creek.....	do.....	A. E. Johnston.....	9-18-28	2.6
South Line Section 25-19-50				
Greenwood Creek.....	At Mouth.....	C. E. Franklin.....	10-21-27	13.3
Greenwood Creek.....	do.....	A. W. Hall.....	11- 4-27	7.73
Greenwood Creek.....	do.....	A. W. Hall.....	11-28-27	10.0
Greenwood Creek.....	do.....	A. W. Hall.....	12-10-27	8.9
Greenwood Creek.....	do.....	A. W. Hall.....	2- 8-28	0.85
Greenwood Creek.....	do.....	A. W. Hall.....	3-22-28	13.0
Greenwood Creek.....	do.....	A. W. Hall.....	4- 4-28	0.0
Greenwood Creek.....	do.....	A. W. Hall.....	4-17-28	0.0
Greenwood Creek.....	do.....	A. W. Hall.....	5- 7-28	0.0
Greenwood Creek.....	do.....	A. W. Hall.....	5-26-28	6.3
Greenwood Creek.....	do.....	A. W. Hall.....	6-20-28	0.0
Greenwood Creek.....	do.....	A. W. Hall.....	7-11-28	0.0
Greenwood Creek.....	do.....	A. W. Hall.....	8- 1-28	3.3
Greenwood Creek.....	do.....	A. W. Hall.....	9-12-28	0.0
Greenwood Creek.....	Below Nelson Diversion.....	A. W. Hall.....	8- 1-28	4.5
Haines Branch.....	Section 3-9-6.....	A. E. Johnston.....	10-24-27	1.37
Haines Branch.....	do.....	A. E. Johnston.....	12- 3-27	2.20
Haines Branch.....	do.....	A. E. Johnston.....	1- 6-28	3.2
Haines Branch.....	do.....	A. E. Johnston.....	2-22-28	3.4
Haines Branch.....	do.....	A. E. Johnston.....	3-19-28	2.9
Haines Branch.....	do.....	A. E. Johnston.....	4-14-28	1.9
Haines Branch.....	do.....	A. E. Johnston.....	5-14-28	2.6
Haines Branch.....	do.....	A. E. Johnston.....	6-20-28	2.4
Section 35-33-56				
Hat Creek.....	Above Coffee Canal Diversion.....	A. E. Johnston.....	8-12-28	1.1
Hat Creek.....	do.....	A. E. Johnston.....	9-26-28	1.1
Section 25-23-58				
Horse Creek.....	do.....	C. E. Franklin.....	10-17-27	141.8
Horse Creek.....	do.....	A. W. Hall.....	11- 7-27	134.7
Horse Creek.....	do.....	A. W. Hall.....	11-23-27	204.1
Horse Creek.....	do.....	A. W. Hall.....	12-11-27	51.9
Horse Creek.....	do.....	C. E. Franklin.....	1-12-28	72.0
Horse Creek.....	do.....	A. W. Hall.....	2-11-28	16.9
Horse Creek.....	do.....	A. W. Hall.....	3-20-28	21.9

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Horse Creek	Section 25-23-58	A. W. Hall	4- 6-28	15.8
Horse Creek	do	A. W. Hall	4-20-28	12.9
Horse Creek	do	A. W. Hall	5- 5-28	234.1
Horse Creek	do	A. W. Hall	5-17-28	201.0
Horse Creek	do	A. W. Hall	6- 9-28	184.4
Horse Creek	do	A. W. Hall	7- 7-28	120.5
Horse Creek	do	A. W. Hall	7-28-28	253.0
Horse Creek	do	A. W. Hall	8-15-28	85.1
Horse Creek	do	A. W. Hall	9- 7-28	138.0
Horse Creek	do	A. W. Hall	9-25-28	267.5
Horse Creek	Section 23-1-39, Pringle's Ranch	C. E. Franklin	10- 6-27	0.8
Horse Creek	do	C. E. Franklin	11-10-27	1.97
Horse Creek	do	C. E. Franklin	12- 6-27	2.24
Horse Creek	do	C. E. Franklin	12-23-27	1.77
Horse Creek	do	Franklin-Whitehead	1-25-28	1.7
Horse Creek	do	C. E. Franklin	2-15-28	1.2
Horse Creek	do	C. E. Franklin	3- 9-28	1.4
Horse Creek	do	C. E. Franklin	3-24-28	1.5
Horse Creek	do	C. E. Franklin	4-13-28	1.1
Horse Creek	do	C. E. Franklin	5-24-28	1.9
Horse Creek	do	C. E. Franklin	6-19-28	1.9
Horse Creek	do	C. E. Franklin	7- 9-28	1.5
Horse Creek	do	C. E. Franklin	7-31-28	1.9
Horse Creek	do	C. E. Franklin	8-18-28	1.3
Horse Creek	do	C. E. Franklin	9-11-28	1.1
Horse Creek	do	C. E. Franklin	9-21-28	1.3
Indian Creek	Northport Wye, Sec. 19-20-50	A. W. Hall	9-10-27	80.4
Indian Creek	do	C. E. Franklin	10-21-27	27.3
Indian Creek	do	A. W. Hall	11-16-27	7.8
Indian Creek	do	A. W. Hall	11-21-27	9.3
Indian Creek	do	A. W. Hall	12-10-27	8.8
Indian Creek	do	A. E. Johnston	1-13-28	11.7
Indian Creek	do	A. W. Hall	2- 9-28	9.3
Indian Creek	do	A. E. Johnston	3- 2-28	10.6
Indian Creek	do	A. W. Hall	3-16-28	12.5
Indian Creek	do	A. E. Johnston	3-30-28	8.8
Indian Creek	do	A. W. Hall	4- 4-28	8.1
Indian Creek	do	A. W. Hall	4-17-28	4.0
Indian Creek	do	A. W. Hall	5- 8-28	9.7
Indian Creek	do	A. W. Hall	5-19-28	10.9
Indian Creek	do	A. W. Hall	7- 2-28	12.2
Indian Creek	do	A. W. Hall	7-18-28	30.5
Indian Creek	do	A. W. Hall	8-24-28	12.5
Indian Creek	do	A. W. Hall	9-12-28	22.7
Two miles East of Max				
Indian Creek	Section 23-2-36	C. E. Franklin	9- 8-27	2.4
Indian Creek	do	C. E. Franklin	10- 6-27	3.11
Indian Creek	do	C. E. Franklin	12-23-27	2.05

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Two miles East of Max				
Indian Creek	Section 23-2-36	C. E. Franklin	1-25-28	3.1
Indian Creek	do	C. E. Franklin	2-14-28	5.3
Indian Creek	do	C. E. Franklin	3- 9-28	5.6
Indian Creek	do	C. E. Franklin	3-24-28	4.1
Indian Creek	do	C. E. Franklin	4-13-28	4.0
Indian Creek	do	C. E. Franklin	5-23-28	5.7
Indian Creek	do	C. E. Franklin	6-18-28	12.7
Indian Creek	do	C. E. Franklin	7- 9-28	3.6
Indian Creek	do	C. E. Franklin	8-17-28	3.0
Indian Creek	do	C. E. Franklin	9-11-28	9.9
Indian Creek	do	C. E. Franklin	9-21-28	2.1
Indian Creek	Section 28-32-50	A. E. Johnston	11- 3-27	1.20
Indian Creek	do	A. E. Johnston	11-22-27	1.92
Indian Creek	do	A. E. Johnston	1-16-28	1.6
Indian Creek	do	A. E. Johnston	2- 7-28	1.3
Indian Creek	do	A. E. Johnston	3-28-28	0.3
Indian Creek	Section 5-32-50, Powells Ranch	C. E. Franklin	7-30-28	6.5
Katzner Drain	Section 10-23-60	A. W. Hall	11- 8-27	6.1
Katzner Drain	do	A. W. Hall	11-23-27	6.9
Katzner Drain	do	C. E. Franklin	12-11-27	3.2
Katzner Drain	do	C. E. Franklin	1-11-28	7.8
Katzner Drain	do	A. W. Hall	2-11-28	7.6
Katzner Drain	do	A. W. Hall	4-20-28	3.6
Katzner Drain	do	A. W. Hall	5- 3-28	39.5
Katzner Drain	do	A. W. Hall	5-16-28	20.8
Katzner Drain	do	A. W. Hall	6-15-28	22.8
Katzner Drain	do	A. W. Hall	9-24-28	53.1
Katzner Drain	Near Henry	Goayne Drummond	6- 2-28	*28.8
Katzner Drain	do	Goayne Drummond	7- 6-28	9.4
Katzner Drain	do	Goayne Drummond	9- 1-28	
Keya Paha River	Section 9-34-17 Brockksburg	A. E. Johnston	2-11-28	167.6
Keya Paha River	do	A. E. Johnston	4- 6-28	210.0
Keya Paha River	do	A. E. Johnston	5- 8-28	96.0
Keya Paha River	do	A. E. Johnston	7- 9-28	52.0
Lane Drain	Section 30-23-57	A. W. Hall	11- 7-27	3.4
Lane Drain	do	A. W. Hall	11-23-27	4.5
Lane Drain	do	C. E. Franklin	12-11-27	2.8
Lane Drain	do	C. E. Franklin	1-12-28	1.13
Lane Drain	do	A. W. Hall	3-20-28	0.6
Lane Drain	do	A. W. Hall	4- 6-28	0.7
Lane Drain	do	A. W. Hall	5- 5-28	2.4
Lane Drain	do	A. V. Hall	5-17-28	0.9
Lane Drain	do	A. W. Hall	7- 7-28	5.9
Lane Drain	do	A. W. Hall	9-25-28	7.3

\* Wyoming Measurements

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Bridgeport-Redington Highway				
Lawrence Fork	Section 36-19-52	C. E. Franklin	10-21-27	6.9
Lawrence Fork	do	A. W. Hall	2-8-28	7.4
Lawrence Fork	do	A. W. Hall	3-22-28	3.6
Lawrence Fork	do	A. W. Hall	6-20-28	0.8
Leander Creek	Sec. 33-34-37, So. of Merriman	A. E. Johnston	11-4-27	0.8
Leander Creek	do	A. E. Johnston	2-9-28	Frozen
Leander Creek	do	A. E. Johnston	4-4-28	17.4
Leander Creek	do	A. E. Johnston	5-5-28	4.7
Leander Creek	do	A. E. Johnston	7-6-28	0.3
1 mile West of North Platte				
Lincoln Co. Drain 1	Section 30-14-30	A. E. Johnston	10-6-27	86.2
Lincoln Co. Drain 1	do	A. E. Johnston	10-28-27	70.4
Lincoln Co. Drain 1	do	A. E. Johnston	11-16-27	72.3
Lincoln Co. Drain 1	do	A. E. Johnston	11-28-27	67.7
Lincoln Co. Drain 1	do	A. E. Johnston	12-10-27	62.8
Lincoln Co. Drain 1	do	A. E. Johnston	12-23-27	57.9
Lincoln Co. Drain 1	do	A. E. Johnston	1-10-28	66.8
Lincoln Co. Drain 1	do	A. E. Johnston	1-23-28	56.9
Lincoln Co. Drain 1	do	A. E. Johnston	2-2-28	58.8
Lincoln Co. Drain 1	do	A. E. Johnston	2-28-28	56.5
Lincoln Co. Drain 1	do	A. E. Johnston	3-7-28	55.7
Lincoln Co. Drain 1	do	A. E. Johnston	3-27-28	50.8
Lincoln Co. Drain 1	do	A. E. Johnston	4-24-28	44.2
Lincoln Co. Drain 1	do	A. E. Johnston	5-29-28	49.3
Lincoln Co. Drain 1	do	A. E. Johnston	6-8-28	87.0
Lincoln Co. Drain 1	do	A. E. Johnston	6-27-28	79.1
Lincoln Co. Drain 1	do	A. E. Johnston	7-18-28	96.1
Lincoln Co. Drain 1	do	A. E. Johnston	7-26-28	124.4
Lincoln Co. Drain 1	do	A. E. Johnston	8-9-28	101.5
Lincoln Co. Drain 1	do	A. E. Johnston	8-21-28	121.4
Lincoln Co. Drain 1	do	A. E. Johnston	8-28-28	117.8
Lincoln Co. Drain 1	do	A. E. Johnston	9-3-28	114.5
Lincoln Co. Drain 1	do	A. E. Johnston	9-17-28	122.1
Lodgepole Creek	Wyo.-Neb. Line Section 11-14-59	C. E. Franklin	10-25-27	5.51
Lodgepole Creek	do	C. E. Franklin	11-23-27	5.6
Lodgepole Creek	do	C. E. Franklin	12-29-27	6.7
Lodgepole Creek	do	C. E. Franklin	1-18-28	9.2
Lodgepole Creek	do	C. E. Franklin	2-4-28	6.4
Lodgepole Creek	do	C. E. Franklin	2-22-28	9.1
Lodgepole Creek	do	C. E. Franklin	3-16-28	9.8
Lodgepole Creek	do	C. E. Franklin	5-2-28	5.3
Lodgepole Creek	do	C. E. Franklin	6-6-28	6.0
Lodgepole Creek	do	C. E. Franklin	6-29-28	11.7
Lodgepole Creek	do	C. E. Franklin	7-20-28	4.9
Lodgepole Creek	do	C. E. Franklin	8-3-28	3.4
Lodgepole Creek	do	C. E. Franklin	8-24-28	6.3

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Lodgepole Creek.....	Wyo.-Neb. Line Section 11-14-59 C.	E. Franklin.....	9-17-28	2.8
Lodgepole Creek.....	do.....	C. E. Franklin.....	9-27-28	3.5
Above Kimball Reservoir				
Lodgepole Creek.....	Section 33-15-57.....	C. E. Franklin.....	10-25-27	15.8
Lodgepole Creek.....	do.....	C. E. Franklin.....	11-23-27	13.9
Lodgepole Creek.....	do.....	C. E. Franklin.....	12-29-27	14.8
Lodgepole Creek.....	do.....	C. E. Franklin.....	1-17-28	17.5
Lodgepole Creek.....	do.....	C. E. Franklin.....	2- 4-28	18.1
Lodgepole Creek.....	do.....	C. E. Franklin.....	2-22-28	21.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	3-16-28	15.1
Lodgepole Creek.....	do.....	C. E. Franklin.....	4- 4-28	16.3
Lodgepole Creek.....	do.....	C. E. Franklin.....	5- 2-28	14.7
Lodgepole Creek.....	do.....	C. E. Franklin.....	6- 6-28	15.5
Lodgepole Creek.....	do.....	C. E. Franklin.....	6-29-28	13.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	7-20-28	9.4
Lodgepole Creek.....	do.....	C. E. Franklin.....	8- 3-28	117.4
Lodgepole Creek.....	do.....	C. E. Franklin.....	8-24-28	9.3
Lodgepole Creek.....	do.....	C. E. Franklin.....	9-17-28	10.1
Lodgepole Creek.....	do.....	C. E. Franklin.....	9-27-28	11.1
Below Kimball Reservoir				
Lodgepole Creek.....	Section 36-15-57.....	C. E. Franklin.....	10-25-27	2.40
Lodgepole Creek.....	do.....	C. E. Franklin.....	11-24-27	3.69
Lodgepole Creek.....	do.....	C. E. Franklin.....	12-29-27	3.49
Lodgepole Creek.....	do.....	C. E. Franklin.....	1-17-28	3.31
Lodgepole Creek.....	do.....	C. E. Franklin.....	2- 4-28	3.80
Lodgepole Creek.....	do.....	C. E. Franklin.....	2-22-28	4.4
Lodgepole Creek.....	do.....	C. E. Franklin.....	3-16-28	1.9
Lodgepole Creek.....	do.....	C. E. Franklin.....	4- 4-28	1.0
Lodgepole Creek.....	do.....	C. E. Franklin.....	5- 2-28	1.3
Lodgepole Creek.....	do.....	C. E. Franklin.....	6- 6-28	5.5
Lodgepole Creek.....	do.....	C. E. Franklin.....	6-29-28	4.5
Lodgepole Creek.....	do.....	C. E. Franklin.....	7-20-28	5.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	8- 3-28	3.0
Lodgepole Creek.....	do.....	C. E. Franklin.....	8-24-28	5.4
Lodgepole Creek.....	do.....	C. E. Franklin.....	9-16-28	2.7
Lodgepole Creek.....	do.....	C. E. Franklin.....	9-27-28	2.9
North of Kimball,				
Lodgepole Creek.....	Section 29-15-55.....	C. E. Franklin.....	10-24-27	11.7
Lodgepole Creek.....	do.....	C. E. Franklin.....	11-24-27	11.4
Lodgepole Creek.....	do.....	C. E. Franklin.....	12-29-27	11.8
Lodgepole Creek.....	do.....	C. E. Franklin.....	1-16-28	10.5
Lodgepole Creek.....	do.....	C. E. Franklin.....	2- 3-28	12.0
Lodgepole Creek.....	do.....	C. E. Franklin.....	2-24-28	12.4
Lodgepole Creek.....	do.....	C. E. Franklin.....	3-16-28	10.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	4- 4-28	6.4
Lodgepole Creek.....	do.....	C. E. Franklin.....	5- 4-28	9.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	6- 5-28	8.9
Lodgepole Creek.....	do.....	C. E. Franklin.....	6-29-28	13.7



## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Lodgepole Creek	Section 29-15-55	C. E. Franklin	6-20-28	35.0
Lodgepole Creek	do	C. E. Franklin	6-30-28	56.6
Lodgepole Creek	do	C. E. Franklin	7-19-28	13.1
Lodgepole Creek	do	C. E. Franklin	8-12-28	14.3
Lodgepole Creek	do	C. E. Franklin	8-23-28	8.6
Lodgepole Creek	do	C. E. Franklin	9-15-28	3.7
Lodgepole Creek	do	C. E. Franklin	9-26-28	6.3
Above Bennett Reservoir				
Lodgepole Creek	Section 21-15-55	C. E. Franklin	11-24-27	10.9
Lodgepole Creek	do	C. E. Franklin	12-29-27	9.97
Lodgepole Creek	do	C. E. Franklin	1-18-28	9.6
Lodgepole Creek	do	C. E. Franklin	2- 3-28	9.6
Lodgepole Creek	do	C. E. Franklin	2-24-28	11.3
Lodgepole Creek	do	C. E. Franklin	3-16-28	11.1
Lodgepole Creek	do	C. E. Franklin	4- 4-28	6.2
Lodgepole Creek	do	C. E. Franklin	5- 4-28	1.6
Lodgepole Creek	do	C. E. Franklin	6- 7-28	0.9
Lodgepole Creek	do	C. E. Franklin	7-20-28	7.9
Lodgepole Creek	do	C. E. Franklin	8-12-28	*1.0
Lodgepole Creek	do	C. E. Franklin	8-23-28	0.0
Lodgepole Creek	do	C. E. Franklin	9-17-28	*0.5
Lodgepole Creek	do	C. E. Franklin	9-26-28	2.3
Below Bennett Reservoir				
Lodgepole Creek	do	C. E. Franklin	2-24-28	4.6
Lodgepole Creek	do	C. E. Franklin	3-16-28	5.1
Lodgepole Creek	do	C. E. Franklin	4- 4-28	2.7
North of Dix, Section 26-15-54				
Lodgepole Creek	do	C. E. Franklin	10-25-27	0.0
Lodgepole Creek	do	C. E. Franklin	11-25-27	0.0
Lodgepole Creek	do	C. E. Franklin	12-30-27	0.0
Lodgepole Creek	do	C. E. Franklin	1-18-28	*2.0
Lodgepole Creek	do	C. E. Franklin	2- 4-28	3.5
Lodgepole Creek	do	C. E. Franklin	2-24-28	0.0
Lodgepole Creek	do	C. E. Franklin	3-17-28	6.5
Lodgepole Creek	do	C. E. Franklin	4- 4-28	0.0
Lodgepole Creek	do	C. E. Franklin	6- 7-28	0.0
Lodgepole Creek	do	C. E. Franklin	6-30-28	352.0
Lodgepole Creek	do	C. E. Franklin	7-20-28	6.9
Lodgepole Creek	do	C. E. Franklin	7-24-28	22.2
Lodgepole Creek	do	C. E. Franklin	8-13-28	0.0
Lodgepole Creek	do	C. E. Franklin	9-18-28	0.0
Lodgepole Creek	do	C. E. Franklin	9-28-28	0.0
1 mile West of Potter				
Lodgepole Creek	do	C. E. Franklin	6-30-28	0.0
Lodgepole Creek	do	C. E. Franklin	7-20-28	0.0
Lodgepole Creek	do	C. E. Franklin	7-24-28	0.0
Lodgepole Creek	do	C. E. Franklin	8-13-28	0.0

\* Estimated.

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
So. of Sidney SW $\frac{1}{4}$ NE $\frac{1}{4}$				
Lodgepole Creek	Section 32-14-49	C. E. Franklin	11- 1-27	2.1
Lodgepole Creek	do.	C. E. Franklin	11-25-27	1.6
Lodgepole Creek	do.	C. E. Franklin	12-18-27	1.4
Lodgepole Creek	do.	C. E. Franklin	1-19-28	0.8
Lodgepole Creek	do.	C. E. Franklin	2- 5-28	*0.7
Lodgepole Creek	do.	C. E. Franklin	2-16-28	2.4
Lodgepole Creek	do.	C. E. Franklin	3- 1-28	1.1
Lodgepole Creek	do.	C. E. Franklin	3-20-28	1.1
Lodgepole Creek	do.	C. E. Franklin	4- 7-28	1.1
Lodgepole Creek	do.	C. E. Franklin	4-16-28	1.2
Lodgepole Creek	do.	C. E. Franklin	5- 5-28	1.4
Lodgepole Creek	do.	C. E. Franklin	5-29-28	0.7
Lodgepole Creek	do.	C. E. Franklin	6- 8-28	0.7
Lodgepole Creek	do.	C. E. Franklin	7- 3-28	1.6
Lodgepole Creek	do.	C. E. Franklin	7-24-28	7.2
Lodgepole Creek	do.	C. E. Franklin	8-13-28	3.6
Lodgepole Creek	do.	C. E. Franklin	9- 5-28	1.7
Lodgepole Creek	do.	C. E. Franklin	9-18-28	1.5
Lodgepole Creek	do.	C. E. Franklin	9-28-28	1.6
West of Lodgepole SW $\frac{1}{4}$ SW $\frac{1}{4}$				
Lodgepole Creek	Section 30-14-46	C. E. Franklin	11- 1-27	7.5
Lodgepole Creek	do.	C. E. Franklin	11-25-27	10.8
Lodgepole Creek	do.	C. E. Franklin	12-18-27	4.4
Lodgepole Creek	do.	C. E. Franklin	1-19-28	5.1
Lodgepole Creek	do.	C. E. Franklin	2-16-28	6.4
Lodgepole Creek	do.	C. E. Franklin	3- 1-28	6.4
Lodgepole Creek	do.	C. E. Franklin	3-20-28	9.1
Lodgepole Creek	do.	C. E. Franklin	4- 7-28	2.8
Lodgepole Creek	do.	C. E. Franklin	4-16-28	1.4
Lodgepole Creek	do.	C. E. Franklin	5- 8-28	0.3
Lodgepole Creek	do.	C. E. Franklin	6-13-28	1.0
Lodgepole Creek	do.	C. E. Franklin	7- 5-28	11.7
Lodgepole Creek	do.	C. E. Franklin	7-25-28	11.2
Lodgepole Creek	do.	C. E. Franklin	8-13-28	7.2
Lodgepole Creek	do.	C. E. Franklin	9- 6-28	4.3
Lodgepole Creek	do.	C. E. Franklin	9-19-28	10.4
Lodgepole Creek	do.	C. E. Franklin	9-28-28	6.4
Chappell, Section 21-13-45				
Lodgepole Creek	Chappell, Section 21-13-45	C. E. Franklin	11- 1-27	14.2
Lodgepole Creek	do.	C. E. Franklin	11-25-27	15.6
Lodgepole Creek	do.	C. E. Franklin	12-18-27	14.4
Lodgepole Creek	do.	C. E. Franklin	1-19-28	11.7
Lodgepole Creek	do.	C. E. Franklin	2-16-28	5.8
Lodgepole Creek	do.	C. E. Franklin	3- 1-28	18.9
Lodgepole Creek	do.	C. E. Franklin	3-20-28	9.3
Lodgepole Creek	do.	C. E. Franklin	4- 8-28	1.3
Lodgepole Creek	do.	C. E. Franklin	4-16-28	2.8
Lodgepole Creek	do.	C. E. Franklin	6-16-28	4.8

\* Estimated.

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Lodgepole Creek.....	Chappell, Section 21-13-45.....	C. E. Franklin.....	7- 5-28	11.6
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	7-25-28	11.8
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	8-13-28	12.9
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	9- 6-28	3.0
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	9-19-28	7.0
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	9-29-28	10.7
Interstate Station, Ralton				
Lodgepole Creek.....	NE¼NW¼ Section 12-12-45.....	C. E. Franklin.....	11- 1-27	4.1
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	11-25-27	16.1
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	12-18-27	8.7
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	1-20-28	2.3
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	2-16-28	5.5
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	3- 1-28	19.5
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	3-20-28	16.8
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	4- 8-28	12.3
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	4-16-28	0.5
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	6-16-28	10.4
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	7- 5-28	13.1
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	7-25-28	18.75
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	8-13-28	16.7
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	9- 6-28	6.9
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	9-19-28	5.0
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	9-29-28	11.1
Lodgepole Creek.....	Below Bluhm Canal.....	C. E. Franklin.....	6- 9-28	*0.1
Lodgepole Creek.....	Below Wolf Canal.....	C. E. Franklin.....	6- 2-28	5.3
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	6-13-28	11.0
Lodgepole Creek.....	Below Oberfelder Canal.....	C. E. Franklin.....	6- 2-28	0.0
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	6-13-28	2.7
Lodgepole Creek.....	Below Persinger Canal.....	C. E. Franklin.....	6- 2-28	2.2
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	6-13-28	4.2
Lodgepole Creek.....	Below Bullock Canal.....	C. E. Franklin.....	6- 2-28	3.3
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	6-13-28	4.5
Below Geo. Dickinson Canal				
Lodgepole Creek.....	D-967 .....	C. E. Franklin.....	5-31-28	0.0
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	6-13-28	0.5
Below Chas. Dickinson Canal				
Lodgepole Creek.....	D-969 .....	C. E. Franklin.....	5-31-28	0.0
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	6-13-28	2.7
Lodgepole Creek.....	Below Libby Canals.....	C. E. Franklin.....	5-31-28	*0.2
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	6-13-28	*0.3
Lodgepole Creek.....	Below Trognitz Canal.....	C. E. Franklin.....	5-29-28	0.0
Lodgepole Creek.....	.....do.....	C. E. Franklin.....	6- 8-28	0.0

\* Estimated.

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Lodgepole Creek.....	Below Borquist Canal.....	C. E. Franklin.....	5-30-28	3.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	6- 8-28	2.8
Lodgepole Creek.....	Below Bordwell Canal.....	C. E. Franklin.....	5-31-28	3.3
Lodgepole Creek.....	do.....	C. E. Franklin.....	6- 8-28	4.6
Lodgepole Creek.....	Below Kruger's Dam.....	C. E. Franklin.....	5-31-28	4.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	6- 9-28	1.9
Lodgepole Creek.....	Below McLaughlin Canal.....	C. E. Franklin.....	5-31-28	0.0
Lodgepole Creek.....	do.....	C. E. Franklin.....	6- 9-28	*0.2
Lodgepole Creek.....	At Sunol, Nebraska.....	C. E. Franklin.....	5-31-28	3.0
Lodgepole Creek.....	do.....	C. E. Franklin.....	6-13-28	2.3
Lodgepole Creek.....	Below Wilds Canal.....	C. E. Franklin.....	7-13-28	4.8
Lodgepole Creek.....	Below Wertz Bros. Canal.....	C. E. Franklin.....	7-13-28	5.7
Lodgepole Creek.....	Below Wiegand Canal A-1322.....	C. E. Franklin.....	7-14-28	7.2
Lodgepole Creek.....	Below Wiegand Canal A-1559.....	C. E. Franklin.....	7-16-28	5.3
Lodgepole Creek.....	Below Howard Canal.....	C. E. Franklin.....	5-31-28	9.8
Lodgepole Creek.....	do.....	C. E. Franklin.....	6-13-28	5.3
Lodgepole Creek.....	Below Ruttner Canal.....	C. E. Franklin.....	5-31-28	4.3
Lodgepole Creek.....	do.....	C. E. Franklin.....	6-13-28	6.2
Lodgepole Creek.....	Below Booth's Canal.....	C. E. Franklin.....	5-31-28	0.0
Lodgepole Creek.....	do.....	C. E. Franklin.....	6-13-28	0.2
Lodgepole Creek.....	do.....	C. E. Franklin.....	7-25-28	0.0
Lodgepole Creek.....	Below McAuliffe Canal.....	C. E. Franklin.....	7-16-28	5.3
Lodgepole Creek.....	Below Booth's Ranch.....	C. E. Franklin.....	7-25-28	15.7
Lodgepole Creek.....	East Line Section 13-14-57.....	C. E. Franklin.....	8-13-28	*1.0
Lonergan Creek.....	Section 19-15-39.....	A. E. Johnston.....	10- 7-27	4.3
Lonergan Creek.....	do.....	A. E. Johnston.....	10-12-27	3.8
Lonergan Creek.....	do.....	A. E. Johnston.....	10-28-27	6.8
Lonergan Creek.....	do.....	A. E. Johnston.....	11-17-27	3.1
Lonergan Creek.....	do.....	A. E. Johnston.....	11-26-27	3.3
Lonergan Creek.....	do.....	A. E. Johnston.....	12-23-27	6.7
Lonergan Creek.....	do.....	A. E. Johnston.....	1-10-28	10.4
Lonergan Creek.....	do.....	A. E. Johnston.....	1-21-28	7.8
Lonergan Creek.....	do.....	A. E. Johnston.....	2- 3-28	8.4
Lonergan Creek.....	do.....	A. E. Johnston.....	2-29-28	7.3
Lonergan Creek.....	do.....	A. E. Johnston.....	3- 6-28	7.4
Lonergan Creek.....	do.....	A. E. Johnston.....	3-28-28	7.3
Lonergan Creek.....	do.....	A. E. Johnston.....	5-31-28	6.8
Lonergan Creek.....	do.....	A. E. Johnston.....	6- 7-28	4.7
Lonergan Creek.....	do.....	A. E. Johnston.....	6-27-28	5.0
Lonergan Creek.....	do.....	A. E. Johnston.....	7-19-28	6.4

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Lonegan Creek	Section 19-15-39	A. E. Johnston	7-25-28	6.6
Lonegan Creek	do	A. E. Johnston	8-10-28	7.2
Lonegan Creek	do	A. E. Johnston	8-21-28	3.8
Lonegan Creek	do	A. E. Johnston	9- 4-28	6.4
Lonegan Creek	do	A. E. Johnston	9-18-28	5.1
Loup River	Columbus, Nebraska	A. E. Johnston	2-20-28	2514.0
Loup River	do	A. E. Johnston	3-17-28	3630.0
Loup River	do	A. E. Johnston	4-12-28	2984.0
Loup River	do	A. E. Johnston	5-11-28	2473.0
Loup River	do	A. E. Johnston	6-15-28	4002.0
Loup River	do	A. E. Johnston	7-12-28	1922.0
Loup River	do	A. E. Johnston	8- 1-28	2470.0
Loup River	South of St. Paul Section 10-14-10A.	A. E. Johnston	11-10-27	1319.0
Loup River	do	A. E. Johnston	2-15-28	1700.0
Loup River	do	A. E. Johnston	3-14-28	1794.0
Loup River	do	A. E. Johnston	4-10-28	1289.0
Loup River	do	A. E. Johnston	5-19-28	3649.0
Loup River	do	A. E. Johnston	6-14-28	3299.0
Loup River	do	A. E. Johnston	8- 3-28	1145.0
Loup River (No.)	North of St. Paul Section 14-15-10A.	A. E. Johnston	11-10-27	1154.0
Loup River (No.)	do	A. E. Johnston	2-15-28	1324.0
Loup River (No.)	do	A. E. Johnston	3-14-28	1522.0
Loup River (No.)	do	A. E. Johnston	4-10-28	904.0
Loup River (No.)	do	A. E. Johnston	5-10-28	1505.0
Loup River (No.)	do	A. E. Johnston	6-14-28	1217.0
Loup River (No.)	do	A. E. Johnston	8- 3-28	998.0
Loup River (So.)	Pleasanton, Section 35-12-16.	A. E. Johnston	10- 1-27	174.0
Loup River (So.)	do	A. E. Johnston	10-20-27	159.0
Loup River (So.)	do	A. E. Johnston	11-12-27	166.0
Loup River (So.)	do	A. E. Johnston	11-30-27	232.0
Loup River (So.)	do	A. E. Johnston	1-26-28	276.0
Loup River (So.)	do	A. E. Johnston	2-18-28	99.0
Loup River (So.)	do	A. E. Johnston	3-12-28	243.0
Loup River (So.)	do	A. E. Johnston	4-19-28	172.0
Loup River (So.)	do	A. E. Johnston	5-23-28	236.0
Loup River (So.)	do	A. E. Johnston	8- 6-28	131.0
Loup River (No.)	North of Burwell	A. E. Johnston	3-14-28	1220.0
Loup River (No.)	Taylor, Section 22-21-18	A. E. Johnston	12- 1-27	692.0
Loup River (No.)	do	A. E. Johnston	1-27-28	473.0
Loup River (No.)	do	A. E. Johnston	2-17-28	432.0
Loup River (No.)	do	A. E. Johnston	3-13-28	895.0
Loup River (No.)	do	A. E. Johnston	4-18-28	643.0
Loup River (No.)	do	A. E. Johnston	5-22-28	648.9
Loup River (No.)	do	A. E. Johnston	8- 4-28	588.9

\* Estimated.

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Loup River (Mid.)	Sargent, Section 11-19-18	A. E. Johnston	10-21-27	914.0
Loup River (Mid.)	do.	A. E. Johnston	12- 1-27	1246.0
Loup River (Mid.)	do.	A. E. Johnston	1-28-28	902.0
Loup River (Mid.)	do.	A. E. Johnston	2-17-28	1045.0
Loup River (Mid.)	do.	A. E. Johnston	3-13-28	1248.0
Loup River (Mid.)	do.	A. E. Johnston	4-18-28	1238.0
Loup River (Mid.)	do.	A. E. Johnston	5-21-28	1074.0
Loup River (Mid.)	do.	A. E. Johnston	8- 4-28	856.0
Loup River (Mid.)	Boelus Power Plant	A. E. Johnston	4-17-28	82.9
Loup River (Mid.)	Arcadia, Nebraska	A. E. Johnston	4-17-28	1114.0
Loup River (Mid.)	do.	A. E. Johnston	5-21-28	1174.0
Loup River (Mid.)	do.	A. E. Johnston	8- 3-28	1028.0
Louse Creek	Section 12-32-10	A. E. Johnston	11- 9-27	9.6
Louse Creek	do.	A. E. Johnston	4- 7-28	7.3
Louse Creek	do.	A. E. Johnston	5- 9-28	11.8
Louse Creek	do.	A. E. Johnston	7-10-28	4.9
McGuires Slough	Mouth, NW $\frac{1}{4}$ NW $\frac{1}{4}$ S. 21-6-40	C. E. Franklin	11- 3-27	2.13
McGuires Slough	do.	C. E. Franklin	11-27-27	3.31
McGuires Slough	do.	C. E. Franklin	12-20-27	2.33
McGuires Slough	do.	C. E. Franklin	1-21-28	2.7
McGuires Slough	do.	C. E. Franklin	2-14-28	2.7
McGuires Slough	do.	C. E. Franklin	3- 5-28	2.7
McGuires Slough	do.	C. E. Franklin	3-21-28	1.9
McGuires Slough	do.	C. E. Franklin	4- 9-28	2.9
McGuires Slough	do.	C. E. Franklin	5-17-28	4.6
McGuires Slough	do.	C. E. Franklin	6-20-28	4.4
McGuires Slough	do.	C. E. Franklin	7-12-28	2.7
McGuires Slough	do.	C. E. Franklin	7-26-28	3.4
McGuires Slough	do.	C. E. Franklin	8-14-28	2.8
McGuires Slough	do.	C. E. Franklin	9- 7-28	2.9
McGuires Slough	do.	C. E. Franklin	9-19-28	2.2
McGuires Slough	do.	C. E. Franklin	9-30-28	3.1
Cambridge, NE $\frac{1}{4}$ SE $\frac{1}{4}$				
Medicine Creek	Section 18-4-25	C. E. Franklin	10- 5-27	35.44
Medicine Creek	do.	C. E. Franklin	11- 7-27	74.5
Medicine Creek	do.	C. E. Franklin	12- 3-27	74.5
Medicine Creek	do.	C. E. Franklin	12-22-27	21.4
Medicine Creek	do.	C. E. Franklin	1-24-28	61.7
Medicine Creek	do.	C. E. Franklin	2-11-28	32.6
Medicine Creek	do.	C. E. Franklin	3- 8-28	61.9
Medicine Creek	do.	C. E. Franklin	3-22-28	32.7
Medicine Creek	do.	C. E. Franklin	4-12-28	69.2
Medicine Creek	do.	C. E. Franklin	5-21-28	91.8
Medicine Creek	do.	C. E. Franklin	6-23-28	336.0
Medicine Creek	do.	C. E. Franklin	7-15-28	146.2
Medicine Creek	do.	C. E. Franklin	7-28-28	97.1
Medicine Creek	do.	C. E. Franklin	8-16-28	56.1
Medicine Creek	do.	C. E. Franklin	9-10-28	65.5

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
3 miles below Regular Station				
Medicine Creek	at Cambridge	C. E. Franklin	2-11-28	98.0
½ mile West Melbeta Bridge				
Melbeta Seep	Section 12-21-54	C. E. Franklin	10-19-27	7.6
Melbeta Seep	do	A. W. Hall	11-22-27	8.6
Melbeta Seep	do	A. W. Hall	12- 5-27	7.4
Melbeta Seep	do	C. E. Franklin	1-13-28	5.6
Melbeta Seep	do	A. W. Hall	2- 9-28	5.8
Melbeta Seep	do	A. W. Hall	3-17-28	4.5
Melbeta Seep	do	A. W. Hall	4- 5-28	3.7
Melbeta Seep	do	A. W. Hall	4-18-28	4.7
Melbeta Seep	do	A. W. Hall	4- 4-28	4.4
Melbeta Seep	do	A. W. Hall	5-18-28	4.3
Melbeta Seep	do	A. W. Hall	8-24-28	0.0
28-34-27, at Mouth				
Minnehoduza Creek	Section	A. E. Johnston	11- 6-27	11.7
Minnehoduza Creek	do	A. E. Johnston	2-11-28	Ice
Minnehoduza Creek	do	A. E. Johnston	4- 5-28	57.6
Minnehoduza Creek	do	A. E. Johnston	5- 7-28	48.0
Minnehoduza Creek	do	A. E. Johnston	7- 7-28	82.4
Mira Creek	Section 26-18-13, North Loup	A. E. Johnston	3-14-28	5.2
From Tri-State Canal,				
Mitchell Spillway	Section 35-23-56	C. E. Franklin	10-18-27	17.7
Mitchell Spillway	do	A. W. Hall	11- 7-27	18.1
Mitchell Spillway	do	A. W. Hall	11-22-27	9.6
Mitchell Spillway	do	A. W. Hall	12- 6-27	15.4
Mitchell Spillway	do	C. E. Franklin	1-12-28	13.7
Mitchell Spillway	do	A. W. Hall	2-11-28	24.2
Mitchell Spillway	do	A. W. Hall	3-19-28	5.8
Mitchell Spillway	do	A. W. Hall	4- 7-28	2.0
Mitchell Spillway	do	A. W. Hall	5-17-28	171.8
Mitchell Spillway	do	A. W. Hall	6-16-28	344.2
Mitchell Spillway	do	A. W. Hall	8- 3-28	91.8
Mitchell Spillway	do	A. W. Hall	8-15-28	0.0
Mitchell Waste	Section 25-23-58	A. W. Hall	5-17-28	75.9
South Line Section 13-23-57				
Morrill Drain	do	C. F. Franklin	10-17-27	2.25
Morrill Drain	do	A. W. Hall	11- 7-27	1.23
Morrill Drain	do	A. W. Hall	11-23-27	4.13
Morrill Drain	do	C. E. Franklin	12-11-27	Frozen
Morrill Drain	do	C. E. Franklin	1-12-28	3.7
Morrill Drain	do	A. W. Hall	2-11-28	0.0
Morrill Drain	do	A. W. Hall	3-20-28	2.1
Morrill Drain	do	A. W. Hall	4- 6-28	1.5
Morrill Drain	do	A. W. Hall	4-20-28	0.7
Morrill Drain	do	A. W. Hall	5- 3-28	0.9
Morrill Drain	do	A. W. Hall	5-17-28	0.9
Morrill Drain	do	A. W. Hall	6-30-28	1.4

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Morrill Drain.....	South Line Section 13-23-57.....	A. W. Hall.....	8- 3-28	1.4
Morrill Drain.....	do.....	A. W. Hall.....	8-16-28	4.5
Morrill Drain.....	do.....	A. W. Hall.....	9- 7-28	7.6
Morrill Drain.....	do.....	A. W. Hall.....	9-25-28	4.4
Arapahoe, NW¼SW¼				
Muddy Creek.....	Section 16-4-23.....	C. E. Franklin.....	10- 5-27	*1.0
Muddy Creek.....	do.....	C. E. Franklin.....	11- 7-27	1.8
Muddy Creek.....	do.....	C. E. Franklin.....	12- 3-27	*0.7
Muddy Creek.....	do.....	C. E. Franklin.....	12-22-27	1.5
Muddy Creek.....	do.....	C. E. Franklin.....	1-24-28	3.9
Muddy Creek.....	do.....	C. E. Franklin.....	2-11-28	1.6
Muddy Creek.....	do.....	C. E. Franklin.....	3- 8-28	3.2
Muddy Creek.....	do.....	C. E. Franklin.....	3-23-28	3.3
Muddy Creek.....	do.....	C. E. Franklin.....	4-12-28	2.5
Muddy Creek.....	do.....	C. E. Franklin.....	5-21-28	5.1
Muddy Creek.....	do.....	C. E. Franklin.....	6-23-28	8.2
Muddy Creek.....	do.....	C. E. Franklin.....	7-15-28	4.6
Muddy Creek.....	do.....	C. E. Franklin.....	7-23-28	7.6
Muddy Creek.....	do.....	C. E. Franklin.....	8-16-28	*1.0
Muddy Creek.....	do.....	C. E. Franklin.....	9-10-28	*0.5
Berwyn, Section 9-16-19				
Muddy Creek.....	do.....	A. E. Johnston.....	10-20-27	2.95
Muddy Creek.....	do.....	A. E. Johnston.....	11-11-27	2.85
Muddy Creek.....	do.....	A. E. Johnston.....	11-30-27	2.42
Muddy Creek.....	do.....	A. E. Johnston.....	1-26-28	5.6
Muddy Creek.....	do.....	A. E. Johnston.....	2-18-28	6.4
Muddy Creek.....	do.....	A. E. Johnston.....	3-12-28	5.0
Muddy Creek.....	do.....	A. E. Johnston.....	4-19-28	2.7
Muddy Creek.....	do.....	A. E. Johnston.....	5-23-28	5.1
Muddy Creek.....	do.....	A. E. Johnston.....	8- 6-28	1.5
Mason City, Section 31-15-17				
Muddy Creek.....	do.....	A. E. Johnston.....	10-20-27	13.3
Muddy Creek.....	do.....	A. E. Johnston.....	11-11-27	17.8
Muddy Creek.....	do.....	A. E. Johnston.....	11-30-27	16.8
Muddy Creek.....	do.....	A. E. Johnston.....	2-18-28	30.3
Muddy Creek.....	do.....	A. E. Johnston.....	3-12-28	24.6
Muddy Creek.....	do.....	A. E. Johnston.....	4-19-28	11.4
Muddy Creek.....	do.....	A. E. Johnston.....	5-23-28	18.5
Muddy Creek.....	do.....	A. E. Johnston.....	8- 6-28	20.9
Hazard, Section 29-13-15				
Muddy Creek.....	do.....	A. E. Johnston.....	10-20-27	25.7
Muddy Creek.....	do.....	A. E. Johnston.....	11-11-27	33.1
Muddy Creek.....	do.....	A. E. Johnston.....	11-30-27	32.3
Muddy Creek.....	do.....	A. E. Johnston.....	1-26-28	Ice
Muddy Creek.....	do.....	A. E. Johnston.....	2-18-28	52.5
Muddy Creek.....	do.....	A. E. Johnston.....	3-12-28	44.5
Muddy Creek.....	do.....	A. E. Johnston.....	4-19-28	31.1
Muddy Creek.....	do.....	A. E. Johnston.....	5-23-28	62.8
Muddy Creek.....	do.....	A. E. Johnston.....	8- 6-28	24.6

\* Estimated.



## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Niobrara River.....	Wyoming St. Line, Sec. 20-31-58A.	A. E. Johnston.....	8-15-28	8.2
Niobrara River.....	do.....	A. E. Johnston.....	9-26-28	7.5
Below Mouth of Whistle Creek				
Niobrara River.....	Section 7-28-53.....	A. E. Johnston.....	5- 1-28	22.5
Niobrara River.....	do.....	A. E. Johnston.....	8-15-28	19.7
Niobrara River.....	do.....	A. E. Johnston.....	9-25-28	19.1
Niobrara River.....	Agate, Neb., Sec. 7-28-55.....	A. E. Johnston.....	6- 1-28	20.5
Niobrara River.....	do.....	A. E. Johnston.....	8-15-28	15.1
Niobrara River.....	do.....	A. E. Johnston.....	9-25-28	20.8
Niobrara River.....	Sec. 4-28-54 Octave-Harris Rch.	A. E. Johnston.....	5- 1-28	22.7
Niobrara River.....	do.....	A. E. Johnston.....	8-15-28	17.1
Niobrara River.....	do.....	A. E. Johnston.....	9-25-28	20.5
Niobrara River.....	Sec. 9-29-56 South of Harrison..	A. E. Johnston.....	5- 1-28	17.0
Niobrara River.....	do.....	A. E. Johnston.....	8-15-28	8.7
Niobrara River.....	do.....	A. E. Johnston.....	9-25-28	10.3
Niobrara River.....	Sec. 5-28-51 South of Marsland..	A. E. Johnston.....	11- 2-27	46.9
Niobrara River.....	do.....	A. E. Johnston.....	11-21-27	55.7
Niobrara River.....	do.....	A. E. Johnston.....	12-19-27	44.3
Niobrara River.....	do.....	A. E. Johnston.....	1-14-28	60.5
Niobrara River.....	do.....	A. E. Johnston.....	2- 7-28	49.9
Niobrara River.....	do.....	A. E. Johnston.....	3-28-28	58.6
Niobrara River.....	do.....	A. E. Johnston.....	4- 2-28	60.9
Niobrara River.....	do.....	A. E. Johnston.....	5- 1-28	34.6
Niobrara River.....	do.....	A. E. Johnston.....	7- 3-28	33.1
Niobrara River.....	do.....	A. E. Johnston.....	8-15-28	15.9
Niobrara River.....	do.....	A. E. Johnston.....	9-25-28	22.5
Niobrara River.....	Dunlap, Neb. Section 27-28-48..	A. E. Johnston.....	11- 2-27	62.9
Niobrara River.....	do.....	A. E. Johnston.....	11-22-27	80.1
Niobrara River.....	do.....	A. E. Johnston.....	12-21-27	60.4
Niobrara River.....	do.....	A. E. Johnston.....	1-17-28	74.1
Niobrara River.....	do.....	A. E. Johnston.....	2- 6-28	82.7
Niobrara River.....	do.....	A. E. Johnston.....	4-30-28	65.8
Niobrara River.....	do.....	A. E. Johnston.....	6-22-28	40.4
Niobrara River.....	do.....	A. E. Johnston.....	7- 2-28	59.4
Niobrara River.....	do.....	A. E. Johnston.....	8-14-28	33.7
Niobrara River.....	do.....	A. E. Johnston.....	9-24-28	44.5
Niobrara River.....	Crane Bridge South of Eli.....	A. E. Johnston.....	11- 4-28	400.5
Niobrara River.....	do.....	A. E. Johnston.....	2- 9-28	452.0
Niobrara River.....	do.....	A. E. Johnston.....	4- 4-28	406.0
Niobrara River.....	do.....	A. E. Johnston.....	5- 5-28	376.0
Niobrara River.....	do.....	A. E. Johnston.....	7- 6-28	338.0
Section 28-34-27				
Niobrara River.....	Below Dam at Valentine.....	A. E. Johnston.....	11- 6-27	1167.0
Niobrara River.....	do.....	A. E. Johnston.....	2-11-28	1341.0

\* Estimated.

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Section 28-34-27				
Niobrara River	Below Dam at Valentine	A. E. Johnston	4- 5-28	1242.0
Niobrara River	do	A. E. Johnston	5- 7-28	924.0
Niobrara River	do	A. E. Johnston	7- 7-28	938.0
Niobrara River	So. of Lynch, Section 1-32-10	A. E. Johnston	11- 9-27	1972.0
Niobrara River	do	A. E. Johnston	2-13-28	Ice
Niobrara River	do	A. E. Johnston	4- 7-28	2288.0
Niobrara River	do	A. E. Johnston	5- 9-28	1493.0
Niobrara River	do	A. E. Johnston	7-10-28	1832.0
Section 9-15-40				
Otter Creek	do	A. E. Johnston	10- 7-27	28.6
Otter Creek	do	A. E. Johnston	10-12-27	24.8
Otter Creek	do	A. E. Johnston	10-28-27	27.7
Otter Creek	do	A. E. Johnston	11-17-27	28.1
Otter Creek	do	A. E. Johnston	11-26-27	24.3
Otter Creek	do	A. E. Johnston	12-23-27	29.2
Otter Creek	do	A. E. Johnston	1-10-28	30.1
Otter Creek	do	A. E. Johnston	1-21-28	27.0
Otter Creek	do	A. E. Johnston	2- 3-28	30.5
Otter Creek	do	A. E. Johnston	2-29-28	31.6
Otter Creek	do	A. E. Johnston	3- 6-28	35.4
Otter Creek	do	A. E. Johnston	3-28-28	29.7
Otter Creek	do	A. E. Johnston	4-25-28	22.8
Otter Creek	do	A. E. Johnston	5-31-28	18.1
Otter Creek	do	A. E. Johnston	6- 7-28	23.8
Otter Creek	do	A. E. Johnston	6-28-28	26.1
Otter Creek	do	A. E. Johnston	7-19-28	28.1
Otter Creek	do	A. E. Johnston	7-25-28	30.7
Otter Creek	do	A. E. Johnston	8-10-28	25.7
Otter Creek	do	A. E. Johnston	8-21-28	25.5
Otter Creek	do	A. E. Johnston	8-27-28	10.3
Otter Creek	do	A. E. Johnston	9- 4-28	21.3
Otter Creek	do	A. E. Johnston	9-18-28	9.4
Section 35-15-13 East				
Papillion Creek	do	A. E. Johnston	2-22-28	3.5
Papillion Creek	do	A. E. Johnston	3-19-28	3.1
Papillion Creek	do	A. E. Johnston	4-14-28	5.5
Papillion Creek	do	A. E. Johnston	5-14-28	4.3
Papillion Creek	do	A. E. Johnston	6-19-28	11.2
Section 3-12-27 West Line				
Pawnee Creek	do	A. E. Johnston	10- 4-27	8.62
Pawnee Creek	do	A. E. Johnston	10-18-27	8.33
Pawnee Creek	do	A. E. Johnston	10-27-27	10.03
Pawnee Creek	do	A. E. Johnston	11-15-27	6.93
Pawnee Creek	do	A. E. Johnston	11-29-27	9.92
Pawnee Creek	do	A. E. Johnston	12- 8-27	6.67
Pawnee Creek	do	A. E. Johnston	1- 9-28	11.2
Pawnee Creek	do	A. E. Johnston	1-25-28	10.8
Pawnee Creek	do	A. E. Johnston	2- 1-28	14.4
Pawnee Creek	do	A. E. Johnston	2-25-28	7.5
Pawnee Creek	do	A. E. Johnston	3- 9-28	17.8

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Pawnee Creek.....	West Line Section 3-12-27.....	A. E. Johnston.....	3-24-28	13.2
Pawnee Creek.....	do.....	A. E. Johnston.....	4-21-28	4.9
Pawnee Creek.....	do.....	A. E. Johnston.....	5-25-28	8.4
Pawnee Creek.....	do.....	A. E. Johnston.....	6-11-28	10.2
Pawnee Creek.....	do.....	A. E. Johnston.....	6-25-28	9.3
Pawnee Creek.....	do.....	A. E. Johnston.....	7-17-28	6.1
Pawnee Creek.....	do.....	A. E. Johnston.....	8- 7-28	7.6
Pawnee Creek.....	do.....	A. E. Johnston.....	8-29-28	0.8
Pawnee Creek.....	do.....	A. E. Johnston.....	9- 1-28	1.8
Pawnee Creek.....	do.....	A. E. Johnston.....	9-14-28	2.1
Pepper Creek.....	Section 35-30-48.....	A. E. Johnston.....	11-22-27	0.7
Pine Creek.....	Section 33-30-44.....	A. E. Johnston.....	11- 4-27	31.07
Pine Creek.....	do.....	A. E. Johnston.....	2- 8-28	43.7
Pine Creek.....	do.....	A. E. Johnston.....	4- 4-28	27.2
Pine Creek.....	do.....	A. E. Johnston.....	5- 4-28	33.4
Pine Creek.....	do.....	A. E. Johnston.....	7- 5-28	21.3
Pine Creek.....	do.....	A. E. Johnston.....	9-29-28	24.5
Ponca Creek.....	Section 14-33-10, Lynch.....	A. E. Johnston.....	11- 9-27	6.88
Ponca Creek.....	do.....	A. E. Johnston.....	2-13-28	61.9
Ponca Creek.....	do.....	A. E. Johnston.....	4- 7-28	22.6
Ponca Creek.....	do.....	A. E. Johnston.....	5- 9-28	11.7
Ponca Creek.....	do.....	A. E. Johnston.....	7-10-28	1.8
	Section 24-16-3			
Prairie Creek.....	5 miles East of Silver Creek.....	A. E. Johnston.....	2-20-28	17.7
Prairie Creek.....	do.....	A. E. Johnston.....	3-16-28	20.1
Prairie Creek.....	do.....	A. E. Johnston.....	4-11-28	16.6
Prairie Creek.....	do.....	A. E. Johnston.....	5-11-28	20.3
Prairie Creek.....	do.....	A. E. Johnston.....	6-15-28	22.0
Prairie Creek.....	do.....	A. E. Johnston.....	7-12-28	8.3
Prairie Creek.....	do.....	A. E. Johnston.....	7-31-28	19.1
Pullen Drain.....	Section 20-23-60.....	A. W. Hall.....	11-23-27	1.9
Pullen Drain.....	do.....	C. E. Franklin.....	12-11-27	0.3
Pullen Drain.....	do.....	C. E. Franklin.....	1-11-28	0.44
Pullen Drain.....	do.....	A. W. Hall.....	2-11-28	*0.5
Pullen Drain.....	do.....	A. W. Hall.....	3-20-28	0.8
Pullen Drain.....	do.....	A. W. Hall.....	5- 3-28	0.8
Pullen Drain.....	do.....	A. W. Hall.....	5-16-28	0.8
	East of Bridgeport			
Pumpkinseed Creek.....	Section 12-19-50.....	A. E. Johnston.....	10-11-27	44.76
Pumpkinseed Creek.....	do.....	A. E. Franklin.....	10-21-27	44.6
Pumpkinseed Creek.....	do.....	A. W. Hall.....	11- 4-27	52.7
Pumpkinseed Creek.....	do.....	A. W. Hall.....	11-28-27	53.9
Pumpkinseed Creek.....	do.....	A. W. Hall.....	12-10-27	51.1

\* Estimated.

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
East of Bridgeport				
Pumpkinseed Creek	Section 12-19-50	A. E. Johnston	1-19-28	63.0
Pumpkinseed Creek	do.	A. E. Johnston	2- 8-28	65.8
Pumpkinseed Creek	do.	A. E. Johnston	3- 2-28	71.4
Pumpkinseed Creek	do.	A. W. Hall	3-22-28	54.9
Pumpkinseed Creek	do.	A. E. Johnston	3-31-28	62.6
Pumpkinseed Creek	do.	A. W. Hall	4- 4-28	62.6
Pumpkinseed Creek	do.	A. W. Hall	4-17-28	89.4
Pumpkinseed Creek	do.	A. W. Hall	5- 7-28	32.9
Pumpkinseed Creek	do.	A. W. Hall	5-26-28	42.4
Pumpkinseed Creek	do.	A. E. Johnston	6- 4-28	27.3
Pumpkinseed Creek	do.	A. W. Hall	6-20-28	53.2
Pumpkinseed Creek	do.	A. W. Hall	7-11-28	17.7
Pumpkinseed Creek	do.	A. E. Johnston	7-23-28	56.1
Pumpkinseed Creek	do.	A. E. Johnston	8- 1-28	64.7
Pumpkinseed Creek	do.	A. E. Johnston	8-13-28	37.9
Pumpkinseed Creek	do.	A. E. Johnston	9-17-28	29.3
Pumpkinseed Creek	do.	A. W. Hall	9-12-28	31.9
5 miles South of Bridgeport				
Pumpkinseed Creek	Section 28-19-50	A. W. Hall	11- 4-27	29.4
Pumpkinseed Creek	do.	A. W. Hall	11-29-27	27.6
Pumpkinseed Creek	do.	A. W. Hall	12-10-27	26.6
Pumpkinseed Creek	do.	A. W. Hall	2- 8-28	38.8
Pumpkinseed Creek	do.	A. W. Hall	3-22-28	49.6
Pumpkinseed Creek	do.	A. W. Hall	4- 4-28	52.9
Pumpkinseed Creek	do.	A. W. Hall	4-17-28	51.6
Pumpkinseed Creek	do.	A. W. Hall	5- 7-28	9.9
Pumpkinseed Creek	do.	A. W. Hall	5-26-28	12.9
Pumpkinseed Creek	do.	A. W. Hall	6-20-28	37.1
Pumpkinseed Creek	do.	A. W. Hall	7-11-28	7.4
Pumpkinseed Creek	do.	A. W. Hall	8- 1-28	31.2
Pumpkinseed Creek	do.	A. W. Hall	9-12-28	13.7
Pumpkinseed Creek	Outflow from Scott Reservoir	W. F. Chaloupka	7- 6-28	2.0
Pumpkinseed Creek	½ Mile Above Scott	C. E. Franklin	10-24-27	7.4
Gering-Kimball Highway				
Pumpkinseed Creek	Section 4-19-55	W. F. Chaloupka	7- 6-28	2.8
Pumpkinseed Creek	do.	C. E. Franklin	11-23-27	16.4
Pumpkinseed Creek	do.	C. E. Franklin	12-29-27	8.8
Pumpkinseed Creek	do.	C. E. Franklin	1-16-28	10.2
Pumpkinseed Creek	do.	C. E. Franklin	2- 3-28	10.7
Pumpkinseed Creek	do.	C. E. Franklin	2-20-28	9.3
Pumpkinseed Creek	do.	C. E. Franklin	3-14-28	8.9
Pumpkinseed Creek	do.	C. E. Franklin	6- 5-28	3.5
Pumpkinseed Creek	do.	C. E. Franklin	6-28-28	6.7
Pumpkinseed Creek	do.	C. E. Franklin	7-19-28	1.9
Pumpkinseed Creek	do.	C. E. Franklin	8- 3-28	5.2
Pumpkinseed Creek	do.	C. E. Franklin	8-21-28	7.0
Pumpkinseed Creek	do.	C. E. Franklin	9-15-28	6.4
Pumpkinseed Creek	do.	C. E. Franklin	9-25-28	3.8

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Near Lingle, Wyoming				
Rawhide Creek.....	(Wyoming Measurements).....	Goyne Drummond.....	6- 1-28	27.2
Red Bird Creek.....	Section 11-32-10.....	A. E. Johnston.....	11- 4-27	31.12
Red Bird Creek.....	do.....	A. E. Johnston.....	2-13-28	66.6
Red Bird Creek.....	do.....	A. E. Johnston.....	4- 7-28	38.0
Red Bird Creek.....	do.....	A. E. Johnston.....	5- 9-28	38.7
Red Bird Creek.....	do.....	A. E. Johnston.....	7-10-28	15.0
Red Willow Creek.....	SW Corner Section 6-20-51.....	C. E. Franklin.....	10-21-27	78.2
Red Willow Creek.....	do.....	A. W. Hall.....	11- 5-27	63.6
Red Willow Creek.....	do.....	A. W. Hall.....	11-21-27	53.3
Red Willow Creek.....	do.....	A. W. Hall.....	12- 5-27	53.4
Red Willow Creek.....	do.....	C. E. Franklin.....	1-13-28	42.6
Red Willow Creek.....	do.....	A. W. Hall.....	2- 9-28	36.0
Red Willow Creek.....	do.....	A. W. Hall.....	3-16-28	35.7
Red Willow Creek.....	do.....	A. W. Hall.....	4- 4-28	34.7
Red Willow Creek.....	do.....	A. W. Hall.....	4-17-28	30.7
Red Willow Creek.....	do.....	A. W. Hall.....	5- 1-28	172.0
Red Willow Creek.....	do.....	A. W. Hall.....	5-19-28	203.7
Red Willow Creek.....	do.....	A. W. Hall.....	6- 5-28	181.0
Red Willow Creek.....	do.....	A. W. Hall.....	6-23-28	207.6
Red Willow Creek.....	do.....	A. W. Hall.....	7-18-28	66.9
Red Willow Creek.....	do.....	A. W. Hall.....	8- 6-28	217.5
Red Willow Creek.....	do.....	A. W. Hall.....	8-24-28	11.0
Red Willow Creek.....	do.....	A. W. Hall.....	9-11-28	23.8
Red Willow, NE $\frac{1}{4}$ NE $\frac{1}{4}$				
Red Willow Creek.....	Section 17-3-28.....	C. E. Franklin.....	10- 5-27	11.1
Red Willow Creek.....	do.....	C. E. Franklin.....	11- 5-27	21.95
Red Willow Creek.....	do.....	C. E. Franklin.....	12- 3-27	33.9
Red Willow Creek.....	do.....	C. E. Franklin.....	12-22-27	7.8
Red Willow Creek.....	do.....	C. E. Franklin.....	1-24-28	15.0
Red Willow Creek.....	do.....	C. E. Franklin.....	2-11-28	39.0
Red Willow Creek.....	do.....	C. E. Franklin.....	3- 7-28	33.5
Red Willow Creek.....	do.....	C. E. Franklin.....	3-23-28	36.3
Red Willow Creek.....	do.....	C. E. Franklin.....	4-12-28	24.4
Red Willow Creek.....	do.....	C. E. Franklin.....	5-21-28	62.9
Red Willow Creek.....	do.....	C. E. Franklin.....	6-23-28	191.2
Red Willow Creek.....	do.....	C. E. Franklin.....	7-15-28	87.8
Red Willow Creek.....	do.....	C. E. Franklin.....	7-28-28	69.4
Red Willow Creek.....	do.....	C. E. Franklin.....	8-16-28	17.0
Red Willow Creek.....	do.....	C. E. Franklin.....	9-10-28	17.6
Colorado-Nebraska Line				
Republican River.....	Section 9-1-42.....	C. E. Franklin.....	10- 6-27	59.50
Republican River.....	do.....	C. E. Franklin.....	11-10-27	78.98
Republican River.....	do.....	C. E. Franklin.....	12- 6-27	80.86
Republican River.....	do.....	C. E. Franklin.....	12-24-27	46.72
Republican River.....	do.....	Franklin-Whitehead.....	1-24-28	75.5
Republican River.....	do.....	C. E. Franklin.....	2-15-28	62.5

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Colorado-Nebraska Line				
Republican River.....	Section 9-1-42.....	C. E. Franklin.....	3- 9-28	70.2
Republican River.....	do.....	C. E. Franklin.....	3-24-28	58.8
Republican River.....	do.....	C. E. Franklin.....	4-13-28	47.1
Republican River.....	do.....	C. E. Franklin.....	5-24-28	46.4
Republican River.....	do.....	C. E. Franklin.....	6-19-28	75.5
Republican River.....	do.....	C. E. Franklin.....	7-10-28	8.9
Republican River.....	do.....	C. E. Franklin.....	7-31-28	60.9
Republican River.....	do.....	C. E. Franklin.....	8-18-28	6.9
Republican River.....	do.....	C. E. Franklin.....	9-12-28	37.4
Republican River.....	do.....	C. E. Franklin.....	9-21-28	36.3
Republican River.....	Sanborn, Section 11-1-42.....	C. E. Franklin.....	10- 6-27	61.7
Republican River.....	do.....	C. E. Franklin.....	11-10-27	62.6
Republican River.....	do.....	C. E. Franklin.....	12- 6-27	82.4
Republican River.....	do.....	C. E. Franklin.....	12-24-27	50.6
Republican River.....	do.....	Franklin-Whitehead.....	1-25-28	55.3
Republican River.....	do.....	C. E. Franklin.....	2-15-28	56.9
Republican River.....	do.....	C. E. Franklin.....	3- 9-28	58.9
Republican River.....	do.....	C. E. Franklin.....	3-24-28	58.3
Republican River.....	do.....	C. E. Franklin.....	4-13-28	50.7
Republican River.....	do.....	C. E. Franklin.....	5-24-28	69.0
Republican River.....	do.....	C. E. Franklin.....	6-19-28	78.7
Republican River.....	do.....	C. E. Franklin.....	7-10-28	12.0
Republican River.....	do.....	C. E. Franklin.....	7-31-28	48.5
Republican River.....	do.....	C. E. Franklin.....	8-18-28	13.2
Republican River.....	do.....	C. E. Franklin.....	9-12-28	29.9
Republican River.....	do.....	C. E. Franklin.....	9-21-28	24.5
Rep. R. (So. Br.).....	So. of Benkelman, Sec. 19-1-37.....	C. E. Franklin.....	10- 6-27	15.85
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	11-10-27	32.5
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	12- 5-27	47.4
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	12-23-27	17.49
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	1-25-28	57.5
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	2-14-28	36.3
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	3- 9-28	51.1
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	3-24-28	56.7
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	4-13-28	35.7
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	5-23-28	76.8
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	6-18-28	339.0
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	7- 9-28	66.1
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	7-30-28	115.9
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	8-17-28	73.1
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	9-11-28	50.2
Rep. R. (So. Br.).....	do.....	C. E. Franklin.....	9-21-28	36.3
Below South Bridge Republican				
Republican River.....	River, Section 17-1-37.....	C. E. Franklin.....	1-25-28	174.8
South of Benkelman				
Rep. R. (No. Br.).....	Section 19-1-37.....	C. E. Franklin.....	10- 6-27	76.8
Rep. R. (No. Br.).....	do.....	C. E. Franklin.....	11-10-27	89.9

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
South of Benkelman				
Rep. R. (No. Br.)	Section 19-1-37	C. E. Franklin	12- 5-27	177.1
Rep. R. (No. Br.)	do	C. E. Franklin	12-23-27	68.9
Rep. R. (No. Br.)	do	C. E. Franklin	1-25-28	117.3
Rep. R. (No. Br.)	do	C. E. Franklin	2-14-28	181.6
Rep. R. (No. Br.)	do	C. E. Franklin	3- 9-28	137.7
Rep. R. (No. Br.)	do	C. E. Franklin	3-24-28	108.7
Rep. R. (No. Br.)	do	C. E. Franklin	4-13-28	79.9
Rep. R. (No. Br.)	do	C. E. Franklin	5-23-28	119.2
Rep. R. (No. Br.)	do	C. E. Franklin	6-18-28	210.8
Rep. R. (No. Br.)	do	C. E. Franklin	7- 9-28	73.9
Rep. R. (No. Br.)	do	C. E. Franklin	7-30-28	185.2
Rep. R. (No. Br.)	do	C. E. Franklin	8-17-28	36.2
Rep. R. (No. Br.)	do	C. E. Franklin	9-11-28	82.9
Rep. R. (No. Br.)	do	C. E. Franklin	9-21-28	54.7
Arapahoe, NE $\frac{1}{4}$ SE $\frac{1}{4}$				
Rep. R. & Mill Waste	Section 27-4-23	C. E. Franklin	10- 5-27	30.61
Rep. R. & Mill Waste	do	C. E. Franklin	10- 5-27	106.2
Rep. R. & Mill Waste	do	C. E. Franklin	11- 7-27	62.0
Rep. R. & Mill Waste	do	C. E. Franklin	11- 7-27	101.1
Rep. R. & Mill Waste	do	C. E. Franklin	12-22-27	60.8
Republican River	Culbertson, Section 21-3-31	C. E. Franklin	10- 4-27	71.5
Republican River	do	C. E. Franklin	11- 5-27	117.9
Republican River	do	C. E. Franklin	12-21-27	59.1
Republican River	do	C. E. Franklin	1-22-28	138.8
Republican River	do	C. E. Franklin	2-10-28	162.0
Republican River	do	C. E. Franklin	3- 7-28	187.0
Republican River	do	C. E. Franklin	3-22-28	198.0
Republican River	do	C. E. Franklin	4-10-28	108.0
Republican River	do	C. E. Franklin	5-19-28	1237.0
Republican River	do	C. E. Franklin	6-21-28	948.0
Republican River	do	C. E. Franklin	7-14-28	106.0
Republican River	do	C. E. Franklin	7-29-28	10065.0
Republican River	do	C. E. Franklin	8-15-28	153.9
Republican River	do	C. E. Franklin	9- 8-28	94.0
Republican River	do	C. E. Franklin	9-20-28	78.0
Republican River	McCook, Section 31-3-29	C. E. Franklin	10- 4-27	18.0
Republican River	do	C. E. Franklin	11- 5-27	222.0
Republican River	do	C. E. Franklin	12- 2-27	260.0
Republican River	do	C. E. Franklin	12-21-27	158.9
Republican River	do	C. E. Franklin	1-24-28	343.0
Republican River	do	C. E. Franklin	2-10-28	337.0
Republican River	do	C. E. Franklin	3- 7-28	388.0
Republican River	do	C. E. Franklin	3-22-28	359.0
Republican River	do	C. E. Franklin	4-10-28	272.0
Republican River	do	C. E. Franklin	5-19-28	1745.0
Republican River	do	C. E. Franklin	6-21-28	1225.0
Republican River	do	C. E. Franklin	7-14-28	578.0
Republican River	do	C. E. Franklin	7-29-28	8830.0

## DEPARTMENT OF PUBLIC WORKS

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## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Republican River.....	McCook, Section 31-3-29.....	C. E. Franklin.....	7-28-28	894.7
Republican River.....	do.....	C. E. Franklin.....	8-15-28	275.0
Republican River.....	do.....	C. E. Franklin.....	9- 9-28	150.3
Republican River.....	do.....	C. E. Franklin.....	9-20-28	128.6
Republican River.....	Superior Section 34-1-7.....	A. E. Johnston.....	10-25-27	224.0
Republican River.....	do.....	A. E. Johnston.....	12- 6-27	454.0
Republican River.....	do.....	A. E. Johnston.....	3-21-28	698.6
Republican River.....	do.....	A. E. Johnston.....	5-16-28	417.0
Republican River.....	do.....	A. E. Johnston.....	6-21-28	408.8
Republican River.....	Holbrook SE $\frac{1}{4}$ Section 22-14-24.....	C. E. Franklin.....	12-22-27	156.0
Republican River.....	do.....	C. E. Franklin.....	1-24-28	424.0
Republican River.....	do.....	C. E. Franklin.....	2-11-28	607.0
Republican River.....	do.....	C. E. Franklin.....	3-23-28	528.0
Republican River.....	do.....	C. E. Franklin.....	4-12-28	399.0
Republican River.....	do.....	C. E. Franklin.....	5-21-28	1053.0
Republican River.....	do.....	C. E. Franklin.....	7-23-28	2009.0
Republican River.....	do.....	C. E. Franklin.....	7- 5-28	937.0
Republican River.....	do.....	C. E. Franklin.....	7-28-28	1603.0
Republican River.....	do.....	C. E. Franklin.....	8-16-28	467.0
Republican River.....	do.....	C. E. Franklin.....	9-10-28	183.7
Republican River.....	Edison.....	C. E. Franklin.....	3- 8-28	503.0
Rock Creek.....	Parks Section 21-1-29.....	C. E. Franklin.....	10- 6-27	11.68
Rock Creek.....	do.....	C. E. Franklin.....	11-10-27	15.42
Rock Creek.....	do.....	C. E. Franklin.....	12- 6-27	11.65
Rock Creek.....	do.....	C. E. Franklin.....	12-23-27	22.7
Rock Creek.....	do.....	Franklin-Whitehead.....	1-25-28	17.3
Rock Creek.....	do.....	C. E. Franklin.....	2-15-28	12.6
Rock Creek.....	do.....	C. E. Franklin.....	3- 9-28	13.2
Rock Creek.....	do.....	C. E. Franklin.....	3-24-28	13.4
Rock Creek.....	do.....	C. E. Franklin.....	4-13-28	12.5
Rock Creek.....	do.....	C. E. Franklin.....	5-24-28	14.9
Rock Creek.....	do.....	C. E. Franklin.....	6-19-28	14.8
Rock Creek.....	do.....	C. E. Franklin.....	7-10-28	16.8
Rock Creek.....	do.....	C. E. Franklin.....	7-31-28	13.3
Rock Creek.....	do.....	C. E. Franklin.....	8-18-28	14.0
Rock Creek.....	do.....	C. E. Franklin.....	9-11-28	17.6
Rock Creek.....	do.....	C. E. Franklin.....	9-21-28	13.1
Section 17-17-45				
Rush Creek.....	$\frac{1}{2}$ mile above mouth.....	A. E. Johnston.....	11-25-27	1.3
Rush Creek.....	do.....	A. E. Johnston.....	1-11-28	8.5
Rush Creek.....	do.....	A. E. Johnston.....	1-20-28	Ice
Rush Creek.....	do.....	A. E. Johnston.....	3- 5-28	4.9
Rush Creek.....	do.....	A. E. Johnston.....	3-29-28	0.8
Rush Creek.....	do.....	A. E. Johnston.....	4-27-28	1.2
Rush Creek.....	do.....	A. E. Johnston.....	6- 2-28	7.4
Rush Creek.....	do.....	A. E. Johnston.....	6- 5-28	0.3
Rush Creek.....	do.....	A. E. Johnston.....	7-23-28	4.1



## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Section 2-9-6				
Salt Creek.....	Below C. B. & Q. Dam.....	A. E. Johnston.....	10-24-27	4.05
Salt Creek.....	do.....	A. E. Johnston.....	12- 3-27	11.6
Salt Creek.....	do.....	A. E. Johnston.....	1- 6-28	6.4
Salt Creek.....	do.....	A. E. Johnston.....	2-22-28	12.3
Salt Creek.....	do.....	A. E. Johnston.....	3-19-28	11.5
Salt Creek.....	do.....	A. E. Johnston.....	4-14-28	8.2
Salt Creek.....	do.....	A. E. Johnston.....	5-14-28	4.8
Salt Creek.....	do.....	A. E. Johnston.....	6-20-28	22.9
Section 10-15-40				
Sand Creek.....	do.....	A. E. Johnston.....	10- 7-27	5.73
Sand Creek.....	do.....	A. E. Johnston.....	10-12-27	3.75
Sand Creek.....	do.....	A. E. Johnston.....	10-28-27	4.82
Sand Creek.....	do.....	A. E. Johnston.....	11-17-27	5.58
Sand Creek.....	do.....	A. E. Johnston.....	11-26-27	5.68
Sand Creek.....	do.....	A. E. Johnson.....	12-10-27	2.56
Sand Creek.....	do.....	A. E. Johnston.....	12-23-27	4.22
Sand Creek.....	do.....	A. E. Johnston.....	1-10-28	5.5
Sand Creek.....	do.....	A. E. Johnston.....	1-21-28	4.4
Sand Creek.....	do.....	A. E. Johnston.....	2- 3-28	6.2
Sand Creek.....	do.....	A. E. Johnston.....	2-29-28	6.1
Sand Creek.....	do.....	A. E. Johnston.....	3- 6-28	5.6
Sand Creek.....	do.....	A. E. Johnston.....	3-28-28	3.9
Sand Creek.....	do.....	A. E. Johnston.....	4-25-28	4.8
Sand Creek.....	do.....	A. E. Johnston.....	5-31-28	2.4
Sand Creek.....	do.....	A. E. Johnston.....	6- 7-28	3.2
Sand Creek.....	do.....	A. E. Johnston.....	6-28-28	3.7
Sand Creek.....	do.....	A. E. Johnston.....	7-19-28	2.9
Sand Creek.....	do.....	A. E. Johnston.....	7-25-28	3.5
Sand Creek.....	do.....	A. E. Johnston.....	8-10-28	2.9
Sand Creek.....	do.....	A. E. Johnston.....	8-21-28	0.0
Sand Creek.....	do.....	A. E. Johnston.....	8-27-28	0.0
Sand Creek.....	do.....	A. E. Johnston.....	9- 4-28	0.0
Sand Creek.....	do.....	A. E. Johnston.....	9-18-28	0.0
Section 19-14-35				
Sarben Slough.....	do.....	A. E. Johnston.....	4-24-28	0.9
Section 21-32-28, At Mouth				
Schlagel Creek.....	do.....	A. E. Johnston.....	11- 6-27	7.3
Schlagel Creek.....	do.....	A. E. Johnston.....	2-10-28	16.4
Schlagel Creek.....	do.....	A. E. Johnston.....	4- 5-28	41.8
Schlagel Creek.....	do.....	A. E. Johnston.....	5- 7-28	14.7
Schlagel Creek.....	do.....	A. E. Johnston.....	7- 7-28	10.3
Section 23-22-55				
Scottsbluff Drain.....	do.....	C. E. Franklin.....	10-19-27	17.8
Scottsbluff Drain.....	do.....	A. W. Hall.....	11- 8-27	13.0
Scottsbluff Drain.....	do.....	A. W. Hall.....	11-23-27	10.8
Scottsbluff Drain.....	do.....	A. W. Hall.....	12- 6-27	11.3
Scottsbluff Drain.....	do.....	C. E. Franklin.....	1-13-28	9.7
Scottsbluff Drain.....	do.....	A. W. Hall.....	2-10-28	15.4
Scottsbluff Drain.....	do.....	A. W. Hall.....	3-19-28	7.2

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Scottsbluff Drain.....	Section 23-22-55.....	A. W. Hall.....	4- 5-28	5.0
Scottsbluff Drain.....	do.....	A. W. Hall.....	4-19-28	7.7
Scottsbluff Drain.....	do.....	A. W. Hall.....	5-18-28	10.9
Scottsbluff Drain.....	do.....	A. W. Hall.....	6- 7-28	26.6
Scottsbluff Drain.....	do.....	A. W. Hall.....	7- 5-28	13.4
Scottsbluff Drain.....	do.....	A. W. Hall.....	8- 2-28	10.8
Sheep Creek.....	NW¼ Section 21-23-57.....	C. E. Franklin.....	10-14-27	97.3
Sheep Creek.....	do.....	A. W. Hall.....	11- 8-27	110.9
Sheep Creek.....	do.....	A. W. Hall.....	11-23-27	81.5
Sheep Creek.....	do.....	C. E. Franklin.....	12-11-27	74.4
Sheep Creek.....	do.....	C. E. Franklin.....	1-12-28	76.8
Sheep Creek.....	do.....	A. W. Hall.....	2-11-28	72.0
Sheep Creek.....	do.....	A. W. Hall.....	3-21-28	80.2
Sheep Creek.....	do.....	A. W. Hall.....	4- 6-28	72.0
Sheep Creek.....	do.....	A. W. Hall.....	4-20-28	74.4
Sheep Creek.....	do.....	A. W. Hall.....	5- 3-28	67.3
Sheep Creek.....	do.....	A. W. Hall.....	5-16-28	75.5
Sheep Creek.....	do.....	A. W. Hall.....	6-15-28	31.7
Sheep Creek.....	do.....	A. W. Hall.....	7-20-28	6.5
Sheep Creek.....	do.....	A. W. Hall.....	8-16-28	14.5
Sheep Creek.....	do.....	A. W. Hall.....	9-25-28	20.0
Sheep Creek.....	SW Corner Section 1-26-58.....	Hall-Carpenter .....	5- 4-28	0.97
Section 12-17-3 E				
Shell Creek.....	East of Schuyler.....	A. E. Johnston.....	2-21-28	41.9
Shell Creek.....	do.....	A. E. Johnston.....	3-16-28	102.1
Shell Creek.....	do.....	A. E. Johnston.....	4-12-28	29.0
Shell Creek.....	do.....	A. E. Johnston.....	5-11-28	23.5
Shell Creek.....	do.....	A. E. Johnston.....	6-18-28	106.7
Shell Creek.....	do.....	A. E. Johnston.....	7-13-28	56.4
Shell Creek.....	do.....	A. E. Johnston.....	8- 1-28	24.8
Section 6-15-3				
Silver Creek.....	1 mile West of Silver Creek.....	A. E. Johnston.....	2-20-28	5.7
Silver Creek.....	do.....	A. E. Johnston.....	3-16-28	3.5
Silver Creek.....	do.....	A. E. Johnston.....	4-11-28	3.5
Silver Creek.....	do.....	A. E. Johnston.....	5-11-28	3.1
Silver Creek.....	do.....	A. E. Johnston.....	6-15-28	7.1
Silver Creek.....	do.....	A. E. Johnston.....	7-12-28	2.3
Silver Creek.....	do.....	A. E. Johnston.....	7-31-28	3.8
Silvernail Drain.....	Section 6-19-10.....	A. E. Johnston.....	10- 8-27	8.3
Silvernail Drain.....	do.....	A. E. Johnston.....	10-21-27	8.6
Silvernail Drain.....	do.....	A. E. Johnston.....	11- 4-27	6.9
Silvernail Drain.....	do.....	A. E. Johnston.....	11-25-27	9.3
Silvernail Drain.....	do.....	A. W. Hall.....	12-10-27	7.4
Silvernail Drain.....	do.....	A. E. Johnston.....	1-19-28	8.1
Silvernail Drain.....	do.....	A. E. Johnston.....	2- 4-28	6.5
Silvernail Drain.....	do.....	A. W. Hall.....	2- 7-28	5.4

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Silvernail Drain.....	Section 6-19-49.....	A. E. Johnston.....	3- 2-28	5.9
Silvernail Drain.....	do.....	A. W. Hall.....	3-16-28	6.7
Silvernail Drain.....	do.....	A. E. Johnston.....	3-30-28	4.8
Silvernail Drain.....	do.....	A. W. Hall.....	4- 7-28	4.6
Silvernail Drain.....	do.....	A. E. Johnston.....	4-28-28	3.6
Silvernail Drain.....	do.....	A. W. Hall.....	5- 8-28	5.9
Silvernail Drain.....	do.....	A. E. Johnston.....	6- 4-28	9.9
Silvernail Drain.....	do.....	A. E. Johnston.....	7-21-28	5.3
Silvernail Drain.....	do.....	A. E. Johnston.....	8-13-28	4.8
Silvernail Drain.....	do.....	A. E. Johnston.....	9- 7-28	6.5
Silvernail Drain.....	do.....	A. W. Hall.....	9-12-28	3.7
Silvernail Drain.....	do.....	A. E. Johnston.....	9-21-28	12.0
Skunk Creek.....	Section 1-14-37.....	A. E. Johnston.....	10-12-27	0.98
Skunk Creek.....	do.....	A. E. Johnston.....	10-28-27	3.57
Skunk Creek.....	do.....	A. E. Johnston.....	11-16-27	4.32
Skunk Creek.....	do.....	A. E. Johnston.....	11-26-27	3.73
Skunk Creek.....	do.....	A. E. Johnston.....	12-10-27	5.96
Skunk Creek.....	do.....	A. E. Johnston.....	12-23-27	4.57
Skunk Creek.....	do.....	A. E. Johnston.....	1-10-28	2.7
Skunk Creek.....	do.....	A. E. Johnston.....	1-23-28	3.6
Skunk Creek.....	do.....	A. E. Johnston.....	2- 2-28	4.6
Skunk Creek.....	do.....	A. E. Johnston.....	2-28-28	4.9
Skunk Creek.....	do.....	A. E. Johnston.....	3- 7-28	4.1
Skunk Creek.....	do.....	A. E. Johnston.....	3-27-28	3.5
Skunk Creek.....	do.....	A. E. Johnston.....	4-25-28	2.8
Skunk Creek.....	do.....	A. E. Johnston.....	5-31-28	0.7
Skunk Creek.....	do.....	A. E. Johnston.....	6- 7-28	0.9
Skunk Creek.....	do.....	A. E. Johnston.....	6-28-28	3.2
Skunk Creek.....	do.....	A. E. Johnston.....	7-19-28	2.1
Skunk Creek.....	do.....	A. E. Johnston.....	9- 4-28	3.3
Skunk Creek.....	do.....	A. E. Johnston.....	9-18-28	3.6
Section 8-24-48				
Snake Creek.....	Alliance-Bridgeport Highway.....	A. E. Johnston.....	11- 1-27	0.0
Snake Creek.....	do.....	A. E. Johnston.....	11-21-27	0.0
Snake Creek.....	do.....	A. E. Johnston.....	12-22-27	0.0
Snake Creek.....	do.....	A. E. Johnston.....	1-13-28	0.0
Snake Creek.....	do.....	A. E. Johnston.....	4- 2-28	10.0
Snake Creek.....	do.....	A. E. Johnston.....	4-30-28	1.8
Snake Creek.....	do.....	A. W. Hall.....	6-21-28	0.0
Snake Creek.....	do.....	A. E. Johnston.....	7- 2-28	41.4
Snake Creek.....	do.....	A. E. Johnston.....	8-14-28	0.0
Snake Creek.....	do.....	A. E. Johnston.....	9-24-28	0.0
Snake Creek.....	Section 9-31-30, Above Falls.....	A. E. Johnston.....	11- 5-27	340.9
Snake Creek.....	do.....	A. E. Johnston.....	2-10-28	352.0
Snake Creek.....	do.....	A. E. Johnston.....	4- 5-28	322.0
Snake Creek.....	do.....	A. E. Johnston.....	5- 7-28	305.0
Snake Creek.....	do.....	A. E. Johnston.....	7- 7-28	270.0

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Snell—9 Mile Drain	Section 5-21-53	C. E. Franklin	10-15-27	219.3
Snell—9 Mile Drain	do	A. W. Hall	11- 5-27	222.0
Snell—9 Mile Drain	do	A. W. Hall	11-22-27	164.3
Snell—9 Mile Drain	do	A. W. Hall	12- 5-27	153.6
Snell—9 Mile Drain	do	C. E. Franklin	1-13-28	116.0
Snell—9 Mile Drain	do	A. W. Hall	2- 9-28	113.0
Snell—9 Mile Drain	do	A. W. Hall	3-17-28	107.0
Snell—9 Mile Drain	do	A. W. Hall	4- 5-28	117.0
Snell—9 Mile Drain	do	A. W. Hall	4-18-28	112.0
Snell—9 Mile Drain	do	A. W. Hall	5- 1-28	89.0
Snell—9 Mile Drain	do	A. W. Hall	5-19-28	116.0
Snell—9 Mile Drain	do	A. W. Hall	6- 6-28	124.0
Snell—9 Mile Drain	do	A. W. Hall	7- 5-28	131.0
Snell—9 Mile Drain	do	A. W. Hall	7-19-28	187.0
Snell—9 Mile Drain	do	A. W. Hall	8- 6-28	221.0
Snell—9 Mile Drain	do	A. W. Hall	9-11-28	218.0
Snell—9 Mile Drain	do	A. W. Hall	9-26-28	188.0
Soldier Creek	Section 19-31-52	A. E. Johnston	11- 2-27	4.2
Soldier Creek	do	A. E. Johnston	11-22-27	5.8
Soldier Creek	do	A. E. Johnston	12-20-27	2.5
Soldier Creek	do	A. E. Johnston	1-16-28	6.6
Soldier Creek	do	A. E. Johnston	2- 7-28	8.4
Soldier Creek	do	A. E. Johnston	4- 3-28	4.6
Soldier Creek	do	A. E. Johnston	5- 2-28	3.9
Soldier Creek	do	A. E. Johnston	7- 3-28	3.6
Soldier Creek	do	A. E. Johnston	8-16-28	0.0
Soldier Creek	do	A. E. Johnston	9-26-28	1.8
Sow Belly Creek	Section 33-33-55	A. E. Johnston	8-16-28	1.7
Sow Belly Creek	do	A. E. Johnston	9-26-28	2.0
Spotted Tail (Dry)	NW Corner Sec. 28-23-56	C. E. Franklin	10-17-27	47.3
Spotted Tail (Dry)	do	A. W. Hall	11- 7-27	45.9
Spotted Tail (Dry)	do	A. W. Hall	11-22-27	34.1
Spotted Tail (Dry)	do	C. E. Franklin	12-10-27	32.4
Spotted Tail (Dry)	do	C. E. Franklin	1-12-28	33.6
Spotted Tail (Dry)	do	A. W. Hall	2-11-28	35.3
Spotted Tail (Dry)	do	A. W. Hall	3-20-28	28.1
Spotted Tail (Dry)	do	A. W. Hall	4- 6-28	15.8
Spotted Tail (Dry)	do	A. W. Hall	4-18-28	25.4
Spotted Tail (Dry)	do	A. W. Hall	5- 3-28	61.0
Spotted Tail (Dry)	do	A. W. Hall	5-17-28	59.0
Spotted Tail (Dry)	do	A. W. Hall	6-16-28	63.2
Spotted Tail (Dry)	do	A. W. Hall	8- 3-28	55.4
Spotted Tail (Dry)	do	A. W. Hall	8-15-28	75.8
Spotted Tail (Dry)	do	A. W. Hall	9- 7-28	83.4
Spotted Tail (Dry)	do	A. W. Hall	9-25-28	103.8
Spotted Tail (Wet)				
& Kronberg Seep	Section 1-22-56	C. E. Franklin	10-18-27	14.1

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Spotted Tail (Wet)				
& Kronberg Seep.....Section	1-22-56.....	A. W. Hall.....	11- 7-27	17.5
Spotted Tail (Wet)				
& Kronberg Seep.....	do.....	A. W. Hall.....	11-22-27	17.6
Spotted Tail (Wet)				
& Kronberg Seep.....	do.....	A. W. Hall.....	12- 6-27	13.3
Spotted Tail (Wet)				
& Kronberg Seep.....	do.....	C. E. Franklin.....	1-12-28	13.2
Spotted Tail (Wet)				
& Kronberg Seep.....	do.....	A. W. Hall.....	2-10-28	11.9
Spotted Tail (Wet)				
& Kronberg Seep.....	do.....	A. W. Hall.....	3-19-28	9.7
Spotted Tail (Wet)				
& Kronberg Seep.....	do.....	A. W. Hall.....	4- 7-28	11.4
Spotted Tail (Wet)				
& Kronberg Seep.....	do.....	A. W. Hall.....	4-19-28	11.1
Spotted Tail (Wet)				
& Kronberg Seep.....	do.....	A. W. Hall.....	5-18-28	14.4
Spotted Tail (Wet)				
& Kronberg Seep.....	do.....	A. W. Hall.....	8-15-28	14.6
Spotted Tail (Dry).....Used by	Great Western Sugar Co.	A. W. Hall.....	11-22-27	9.8
Spotted Tail (Dry).....	do.....	A. W. Hall.....	5-17-28	23.5
Spotted Tail (Dry).....	do.....	A. W. Hall.....	7- 7-28	37.8
Spotted Tail (Dry).....	do.....	A. W. Hall.....	8- 3-28	0.0
Spotted Tail (Dry).....	do.....	A. W. Hall.....	8-15-28	28.0
Spring Creek.....Section	9-24-18 At Mills.....	A. E. Johnston.....	2-11-28	Ice
Spring Creek.....	do.....	A. E. Johnston.....	4- 6-28	11.6
Spring Creek.....	do.....	A. E. Johnston.....	5- 8-28	12.5
Spring Creek.....	do.....	A. E. Johnston.....	7- 9-28	9.4
Spring Creek (Br.).....Section	19-14-35.....	A. E. Johnston.....	2- 2-28	2.7
SW Corner Section 7-32-51				
Spring Creek.....	Below Canal D-473.....	A. E. Johnston.....	1-16-28	1.8
Spring Creek.....	do.....	A. E. Johnston.....	2- 7-28	1.0
Spring Creek.....	do.....	A. E. Johnston.....	4- 3-28	1.9
Spring Creek.....	do.....	A. E. Johnston.....	5- 3-28	1.5
Spring Creek.....	do.....	A. E. Johnston.....	7- 3-28	1.4
Spring Creek.....	do.....	A. E. Johnston.....	9-28-28	0.0
Above McDowell's Reservoir				
Squaw Creek.....Section	12-31-52.....	A. E. Johnston.....	12-20-27	0.85
Squaw Creek.....	do.....	A. E. Johnston.....	2- 7-28	1.3
Squaw Creek.....	do.....	A. E. Johnston.....	3-28-28	1.6
Squaw Creek.....	do.....	A. W. Hall.....	5- 3-28	1.7
Squaw Creek.....	do.....	A. E. Johnston.....	7- 3-28	1.1
Squaw Creek.....	do.....	A. E. Johnston.....	8-16-28	0.8
Squaw Creek.....	do.....	A. E. Johnston.....	9-27-28	0.8

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Below McDowell's Reservoir				
Squaw Creek.....	Section 1-31-52.....	A. E. Johnston.....	12-20-27	1.08
Squaw Creek.....	do.....	A. E. Johnston.....	1-16-28	2.0
Squaw Creek.....	do.....	A. E. Johnston.....	2-7-28	1.2
Squaw Creek.....	do.....	A. E. Johnston.....	3-28-28	0.5
Squaw Creek.....	do.....	A. E. Johnston.....	5-3-28	2.8
Squaw Creek.....	do.....	A. E. Johnston.....	7-3-28	0.1
Squaw Creek.....	do.....	A. E. Johnston.....	8-16-28	0.5
Squaw Creek.....	do.....	A. E. Johnston.....	9-27-28	0.5
Stewart's Drain.....	Section 13-23-57.....	C. E. Franklin.....	10-17-27	1.86
Stewart's Drain.....	do.....	A. W. Hall.....	11-7-27	1.82
Stewart's Drain.....	do.....	A. W. Hall.....	11-23-27	1.62
Stewart's Drain.....	do.....	C. E. Franklin.....	12-11-27	1.93
Stewart's Drain.....	do.....	C. E. Franklin.....	1-12-28	2.0
Stewart's Drain.....	do.....	A. W. Hall.....	2-11-28	0.8
Stewart's Drain.....	do.....	A. W. Hall.....	3-20-28	1.6
Stewart's Drain.....	do.....	A. W. Hall.....	4-6-28	1.2
Stewart's Drain.....	do.....	A. W. Hall.....	4-20-28	2.7
Stewart's Drain.....	do.....	A. W. Hall.....	5-3-28	0.0
Stewart's Drain.....	do.....	A. W. Hall.....	5-17-28	1.7
Stewart's Drain.....	do.....	A. W. Hall.....	6-30-28	0.9
Stewart's Drain.....	do.....	A. W. Hall.....	8-3-28	*0.5
Stewart's Drain.....	do.....	A. W. Hall.....	8-16-28	0.8
Stewart's Drain.....	do.....	A. W. Hall.....	9-7-28	0.0
Stewart's Drain.....	do.....	A. W. Hall.....	9-25-28	1.2
Palisade, SE¼NE¼				
Stinking Water Cr.....	Section 25-5-34.....	C. E. Franklin.....	10-2-27	26.44
Stinking Water Cr.....	do.....	C. E. Franklin.....	11-4-27	34.38
Stinking Water Cr.....	do.....	C. E. Franklin.....	11-28-27	33.91
Stinking Water Cr.....	do.....	C. E. Franklin.....	12-20-27	21.89
Stinking Water Cr.....	do.....	C. E. Franklin.....	1-22-28	39.4
Stinking Water Cr.....	do.....	C. E. Franklin.....	2-12-28	53.1
Stinking Water Cr.....	do.....	C. E. Franklin.....	3-6-28	41.2
Stinking Water Cr.....	do.....	C. E. Franklin.....	3-22-28	67.4
Stinking Water Cr.....	do.....	C. E. Franklin.....	4-10-28	38.5
Stinking Water Cr.....	do.....	C. E. Franklin.....	6-24-28	60.7
Stinking Water Cr.....	do.....	C. E. Franklin.....	7-27-28	161.2
Stinking Water Cr.....	do.....	C. E. Franklin.....	8-15-28	36.1
Stinking Water Cr.....	do.....	C. E. Franklin.....	9-8-28	37.2
Stinking Water Cr.....	do.....	C. E. Franklin.....	9-20-28	27.3
Shipley's Ranch, SW¼SW¼				
Stinking Water Cr.....	Section 9-4-34.....	C. E. Franklin.....	10-2-27	25.6
Stinking Water Cr.....	do.....	C. E. Franklin.....	11-4-27	33.0
Stinking Water Cr.....	do.....	C. E. Franklin.....	11-28-27	33.89
Stinking Water Cr.....	do.....	C. E. Franklin.....	12-20-27	22.43
Stinking Water Cr.....	do.....	C. E. Franklin.....	3-6-28	47.8
Stinking Water Cr.....	do.....	C. E. Franklin.....	3-22-28	49.6

\* Estimated.

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
Shipley's Ranch, SW $\frac{1}{4}$ SW $\frac{1}{4}$				
Stinking Water Cr.	Section 9-4-34	C. E. Franklin	4-10-28	32.0
Stinking Water Cr.	do	C. E. Franklin	5-20-28	137.7
Stinking Water Cr.	do	C. E. Franklin	7-12-28	91.1
Riverton				
Thompson Creek	Section 2-1-13	A. E. Johnston	10-25-27	23.7
Thompson Creek	do	A. E. Johnston	12- 6-27	24.7
Thompson Creek	do	A. E. Johnston	3-21-28	22.8
Thompson Creek	do	A. E. Johnston	5-17-28	20.7
Thompson Creek	do	A. E. Johnston	6-22-28	28.1
Benkleman, Section 32-1-37				
Timber (Big) Creek	do	C. E. Franklin	11-10-27	0.9
Timber (Big) Creek	do	C. E. Franklin	12- 5-27	0.5
Timber (Big) Creek	do	C. E. Franklin	12-23-27	1.4
Timber (Big) Creek	do	Franklin-Whitehead	1-25-28	0.53
Timber (Big) Creek	do	C. E. Franklin	2-15-28	0.93
Timber (Big) Creek	do	C. E. Franklin	3- 9-28	1.2
Timber (Big) Creek	do	C. E. Franklin	3-24-28	1.3
Timber (Big) Creek	do	C. E. Franklin	4-13-28	0.5
Timber (Big) Creek	do	C. E. Franklin	5-24-28	1.9
Timber (Big) Creek	do	C. E. Franklin	6-18-28	1.6
Timber (Big) Creek	do	C. E. Franklin	7- 9-28	2.8
Timber (Big) Creek	do	C. E. Franklin	8-18-28	*1.0
Timber (Big) Creek	do	C. E. Franklin	9-12-28	1.3
Timber (Big) Creek	do	C. E. Franklin	9-21-28	0.7
Section 29-23-56				
Toohey Drain	do	C. E. Franklin	10-17-27	5.9
Toohey Drain	do	A. W. Hall	11- 7-27	5.2
Toohey Drain	do	A. W. Hall	11-23-27	4.4
Toohey Drain	do	A. W. Hall	12-10-27	4.2
Toohey Drain	do	C. E. Franklin	1-12-28	3.8
Toohey Drain	do	A. W. Hall	2-11-28	2.2
Toohey Drain	do	A. W. Hall	3-20-28	2.6
Toohey Drain	do	A. W. Hall	4- 6-28	2.4
Toohey Drain	do	A. W. Hall	4-18-28	2.3
Toohey Drain	do	A. W. Hall	5- 3-28	2.4
Toohey Drain	do	A. W. Hall	5-17-28	2.7
Toohey Drain	do	A. W. Hall	6-30-28	2.8
Toohey Drain	do	A. W. Hall	7- 7-28	4.4
Toohey Drain	do	A. W. Hall	8- 3-28	7.8
Toohey Drain	do	A. W. Hall	8-16-28	7.0
Toohey Drain	do	A. W. Hall	9- 7-28	6.2
Toohey Drain	do	A. W. Hall	9-25-28	7.1
From Tri-State Canal				
Toohey Spillway	Section 19-23-56	C. E. Franklin	10-17-27	25.9
Toohey Spillway	do	A. W. Hall	11- 7-27	16.2
Toohey Spillway	do	C. E. Franklin	12-11-27	28.9
Toohey Spillway	do	C. E. Franklin	1-12-28	14.2
Toohey Spillway	do	A. W. Hall	2-11-28	10.8
Toohey Spillway	do	A. W. Hall	3-20-28	14.2

\* Estimated.

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
From Tri State Canal				
Toohy Spillway	Section 19-23-56	A. W. Hall	4- 6-28	20.8
Toohy Spillway	do	A. W. Hall	4-18-28	23.2
Toohy Spillway	do	A. W. Hall	5- 3-28	0.0
Toohy Spillway	do	A. W. Hall	5-17-28	0.0
Toohy Spillway	do	A. W. Hall	6-30-28	0.0
Toohy Spillway	do	A. W. Hall	7- 7-28	*2.0
Toohy Spillway	do	A. W. Hall	8- 3-28	0.0
Toohy Spillway	do	A. W. Hall	9- 7-28	0.0
Trunk Butte Creek	Section 25-33-50	A. E. Johnston	11- 3-27	1.9
Trunk Butte Creek	do	A. E. Johnston	11-22-27	2.4
Trunk Butte Creek	do	A. E. Johnston	4- 3-28	2.5
Trunk Butte Creek	do	A. E. Johnston	7- 3-28	0.2
Trunk Butte Creek	do	A. E. Johnston	8-17-28	1.5
Trunk Butte Creek	do	A. E. Johnston	9-28-28	0.3
Tub Springs	Section 8-22-55	C. E. Franklin	10-18-27	73.1
Tub Springs	do	A. W. Hall	11- 7-27	57.9
Tub Springs	do	A. W. Hall	11-22-27	55.1
Tub Springs	do	A. W. Hall	12- 6-27	63.3
Tub Springs	do	C. E. Franklin	1-12-28	43.3
Tub Springs	do	A. W. Hall	2-10-28	33.3
Tub Springs	do	A. W. Hall	3-19-28	32.2
Tub Springs	do	A. W. Hall	4- 7-28	23.4
Tub Springs	do	A. W. Hall	4-19-28	27.8
Tub Springs	do	A. W. Hall	5- 5-28	32.3
Tub Springs	do	A. W. Hall	5-18-28	72.5
Tub Springs	do	A. W. Hall	7- 5-28	7.1
Tub Springs	do	A. W. Hall	8-28-28	56.6
Tub Springs	Above Enterprise Canal	A. W. Hall	7- 5-28	69.2
Tub Springs	do	A. W. Hall	8-28-28	37.7
Turkey Creek	Naponee Section 4-1-16	A. E. Johnston	3-22-28	18.9
Turkey Creek	do	A. E. Johnston	5-17-28	23.8
Turkey Creek	do	A. E. Johnston	6-22-28	16.1
Section 36-20-15				
Turtle Creek	3 miles SE of Elyra	A. E. Johnston	3-14-28	4.9
Victoria Creek	Section 1-19-21	A. E. Johnston	10-21-27	12.1
Victoria Creek	do	A. E. Johnston	11-11-27	8.5
Victoria Creek	do	A. E. Johnston	12- 1-27	10.9
Victoria Creek	do	A. E. Johnston	1-27-28	4.81
Victoria Creek	do	A. E. Johnston	2-17-28	11.6
Victoria Creek	do	A. E. Johnston	3-13-28	10.8
Victoria Creek	do	A. E. Johnston	4-18-28	11.5
Victoria Creek	do	A. E. Johnston	5-22-28	9.0
Victoria Creek	do	A. E. Johnston	8- 4-28	9.4

\* Estimated.



## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Séc. Ft.
Wahoo Creek.....	Section 35-13-9 E, N. of AshlndA.	E. Johnston.....	2-22-28	42.2
Wahoo Creek.....	do.....	A. E. Johnston.....	3-13-28	35.3
Wahoo Creek.....	do.....	A. E. Johnston.....	4-14-28	50.7
Wahoo Creek.....	do.....	A. E. Johnston.....	5-14-28	43.6
Wahoo Creek.....	do.....	A. E. Johnston.....	6-19-28	10.1
Whistle Creek.....	Section 12-28-54, Mouth.....	A. E. Johnston.....	5- 1-28	0.1
Whistle Creek.....	do.....	A. E. Johnston.....	5- 1-28	0.0
Whistle Creek.....	do.....	A. E. Johnston.....	8-15-28	0.0
Whistle Creek.....	do.....	A. E. Johnston.....	9-25-28	0.09
White Clay Creek.....	Section 2-31-52 E. of Crawford.....	A. E. Johnston.....	11- 2-27	7.0
White Clay Creek.....	do.....	A. E. Johnston.....	11-22-27	9.2
White Clay Creek.....	do.....	A. E. Johnston.....	12-19-27	4.7
White Clay Creek.....	do.....	A. E. Johnston.....	1-16-28	8.4
White Clay Creek.....	do.....	A. E. Johnston.....	2- 7-28	6.8
White Clay Creek.....	do.....	A. W. Hall.....	3-28-28	4.6
White Clay Creek.....	do.....	A. E. Johnston.....	5- 3-28	6.3
White Clay Creek.....	do.....	A. E. Johnston.....	7- 3-28	3.9
White Clay Creek.....	do.....	A. E. Johnston.....	8-16-28	1.8
White Clay Creek.....	do.....	A. E. Johnston.....	9-27-28	2.9
White Horse Creek.....	Section 5-13-29.....	A. E. Johnston.....	10- 4-27	11.3
White Horse Creek.....	do.....	A. E. Johnston.....	10-18-27	13.6
White Horse Creek.....	do.....	A. E. Johnston.....	10-27-27	11.9
White Horse Creek.....	do.....	A. E. Johnston.....	11-15-27	11.6
White Horse Creek.....	do.....	A. E. Johnston.....	11-29-27	18.9
White Horse Creek.....	do.....	A. E. Johnston.....	1- 9-28	20.2
White Horse Creek.....	do.....	A. E. Johnston.....	1-25-28	12.1
White Horse Creek.....	do.....	A. E. Johnston.....	2- 1-28	17.1
White Horse Creek.....	do.....	A. E. Johnston.....	2-25-28	17.7
White Horse Creek.....	do.....	A. E. Johnston.....	3- 9-28	30.6
White Horse Creek.....	do.....	A. E. Johnston.....	3-24-28	32.6
White Horse Creek.....	do.....	A. E. Johnston.....	4-21-28	14.0
White Horse Creek.....	do.....	A. E. Johnston.....	5-25-28	10.3
White Horse Creek.....	do.....	A. E. Johnston.....	6-11-28	14.6
White Horse Creek.....	do.....	A. E. Johnston.....	6-25-28	18.6
White Horse Creek.....	do.....	A. E. Johnston.....	7-17-28	12.5
White Horse Creek.....	do.....	A. E. Johnston.....	7-28-28	19.9
White Horse Creek.....	do.....	A. E. Johnston.....	8- 7-28	13.4
White Horse Creek.....	do.....	A. E. Johnston.....	8-29-28	5.3
White Horse Creek.....	do.....	A. E. Johnston.....	9- 1-28	5.9
White Horse Creek.....	do.....	A. E. Johnston.....	9-14-28	9.0
White River.....	Military Road, Section 9-31-52.....	A. E. Johnston.....	11- 2-27	30.5
White River.....	do.....	A. E. Johnston.....	11-22-27	35.7
White River.....	do.....	A. E. Johnston.....	12-20-27	26.4
White River.....	do.....	A. E. Johnston.....	1-16-28	38.5
White River.....	do.....	A. E. Johnston.....	2- 7-28	37.6
White River.....	do.....	A. E. Johnston.....	4- 3-28	30.6
White River.....	do.....	A. E. Johnston.....	5- 2-28	29.2

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec. Ft.
White River.....	Military Road, Section 9-31-52.....	A. E. Johnston.....	7- 3-28	21.5
White River.....	do.....	A. E. Johnston.....	8-16-28	14.6
White River.....	do.....	A. E. Johnston.....	9-27-28	19.0
White River.....	North of Crawford.....	A. W. Hall.....	6-22-28	22.8
	6 miles West of Chadron			
White River.....	Section 18-33-49.....	A. E. Johnston.....	11- 3-27	62.4
White River.....	do.....	A. E. Johnston.....	11-22-27	74.7
White River.....	do.....	A. E. Johnston.....	12-20-27	48.6
White River.....	do.....	A. E. Johnston.....	1-16-28	Ice
White River.....	do.....	A. E. Johnston.....	2- 7-28	83.6
White River.....	do.....	A. W. Hall.....	3-28-28	79.4
White River.....	do.....	A. E. Johnston.....	5- 3-28	33.3
White River.....	do.....	A. W. Hall.....	6-22-28	82.8
White River.....	do.....	A. E. Johnston.....	7- 3-28	16.6
White River.....	do.....	A. E. Johnston.....	8-17-28	24.17
White River.....	do.....	A. E. Johnston.....	9-28-28	5.5
	Section 26-32-52			
	Below Harris-Cooper Canal			
White River.....	Above Whitney Diversion.....	A. E. Johnston.....	11- 3-27	34.3
White River.....	do.....	A. E. Johnston.....	11-22-27	39.7
White River.....	do.....	A. E. Johnston.....	12-20-27	27.4
White River.....	do.....	A. E. Johnston.....	1-16-28	57.9
White River.....	do.....	A. E. Johnston.....	2- 7-28	37.8
White River.....	do.....	A. E. Johnston.....	3-28-28	66.4
White River.....	do.....	A. W. Hall.....	4- 3-28	34.8
White River.....	do.....	A. E. Johnston.....	5- 3-28	28.8
White River.....	do.....	A. E. Johnston.....	7- 3-28	24.4
White River.....	do.....	A. E. Johnston.....	8-16-28	4.4
White River.....	do.....	A. E. Johnston.....	9-27-28	7.5
	Below Whitney Pipe Line			
White River.....	Diversion, Section 26-32-52.....	A. E. Johnston.....	11- 3-27	41.2
White River.....	do.....	A. E. Johnston.....	11-22-27	58.9
White River.....	do.....	A. E. Johnston.....	1-16-28	0.0
White River.....	do.....	A. E. Johnston.....	2- 7-28	29.3
White River.....	do.....	A. E. Johnston.....	4- 3-28	35.3
White River.....	do.....	A. E. Johnston.....	5- 3-28	1.7
White River.....	do.....	A. W. Hall.....	6-22-28	0.0
White River.....	do.....	A. E. Johnston.....	7- 3-28	0.0
White River.....	do.....	A. E. Johnston.....	9-27-28	*0.5
White River.....	Whitney Diversion.....	A. E. Johnston.....	8-16-28	0.0
White Tail Creek.....	Section 36-15-38.....	A. E. Johnston.....	10- 6-27	25.5
White Tail Creek.....	do.....	A. E. Johnston.....	10-12-27	26.8
White Tail Creek.....	do.....	A. E. Johnston.....	10-28-27	29.6
White Tail Creek.....	do.....	A. E. Johnston.....	11-16-27	36.9
White Tail Creek.....	do.....	A. E. Johnston.....	11-26-27	36.4

## REPORT OF SECRETARY

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
White Tail Creek.....	Section 36-15-38.....	A. E. Johnston.....	12-23-27	35.8
White Tail Creek.....	do.....	A. E. Johnston.....	1-10-28	39.7
White Tail Creek.....	do.....	A. E. Johnston.....	1-23-28	31.8
White Tail Creek.....	do.....	A. E. Johnston.....	2- 2-28	36.0
White Tail Creek.....	do.....	A. E. Johnston.....	2-28-28	37.4
White Tail Creek.....	do.....	A. E. Johnston.....	3- 7-28	36.5
White Tail Creek.....	do.....	A. E. Johnston.....	3-27-28	38.4
White Tail Creek.....	do.....	A. E. Johnston.....	4-25-28	33.4
White Tail Creek.....	do.....	A. E. Johnston.....	5-31-28	26.6
White Tail Creek.....	do.....	A. E. Johnston.....	6- 7-28	27.2
White Tail Creek.....	do.....	A. E. Johnston.....	6-28-28	35.8
White Tail Creek.....	do.....	A. E. Johnston.....	7-19-28	45.6
White Tail Creek.....	do.....	A. E. Johnston.....	8-21-28	26.3
White Tail Creek.....	do.....	A. E. Johnston.....	8-28-28	31.3
White Tail Creek.....	do.....	A. E. Johnston.....	9- 4-28	23.2
White Tail Creek.....	do.....	A. E. Johnston.....	9-18-28	21.8
Wild Horse Drain.....	Section 1-20-52.....	C. E. Franklin.....	10-21-27	70.9
Wild Horse Drain.....	do.....	C. E. Franklin.....	11- 5-27	68.2
Wild Horse Drain.....	do.....	A. W. Hall.....	11-21-27	60.2
Wild Horse Drain.....	do.....	A. W. Hall.....	12- 5-27	53.9
Wild Horse Drain.....	do.....	C. E. Franklin.....	1-13-28	37.1
Wild Horse Drain.....	do.....	A. W. Hall.....	2- 5-28	39.3
Wild Horse Drain.....	do.....	A. W. Hall.....	3-16-28	34.5
Wild Horse Drain.....	do.....	A. W. Hall.....	4- 4-28	28.4
Wild Horse Drain.....	do.....	A. W. Hall.....	4-17-28	28.7
Wild Horse Drain.....	do.....	A. W. Hall.....	5- 1-28	23.2
Wild Horse Drain.....	do.....	A. W. Hall.....	5-19-28	34.0
Wild Horse Drain.....	do.....	A. W. Hall.....	6- 5-28	135.0
Wild Horse Drain.....	do.....	A. W. Hall.....	6-29-28	61.3
Wild Horse Drain.....	do.....	A. W. Hall.....	7-18-28	55.8
Wild Horse Drain.....	do.....	A. W. Hall.....	8- 6-28	85.2
Wild Horse Drain.....	do.....	A. W. Hall.....	8-24-28	62.0
Wild Horse Drain.....	do.....	A. W. Hall.....	9-11-28	78.8
Section 15-14-35				
Willow Creek.....	North Sarben, above A-1747.....	A. E. Johnston.....	10- 6-27	1.4
Willow Creek.....	do.....	A. E. Johnston.....	10-12-27	1.4
Willow Creek.....	do.....	A. E. Johnston.....	10-28-27	1.8
Willow Creek.....	do.....	A. E. Johnston.....	11-16-27	1.4
Willow Creek.....	do.....	A. E. Johnston.....	11-28-27	1.3
Willow Creek.....	do.....	A. E. Johnston.....	12-10-27	1.1
Willow Creek.....	do.....	A. E. Johnston.....	12-23-27	1.3
Willow Creek.....	do.....	A. E. Johnston.....	1-10-28	2.3
Willow Creek.....	do.....	A. E. Johnston.....	1-23-28	1.7
Willow Creek.....	do.....	A. E. Johnston.....	2-28-28	3.2
Willow Creek.....	do.....	A. E. Johnston.....	3- 7-28	2.0
Willow Creek.....	do.....	A. E. Johnston.....	3-27-28	1.9
Willow Creek.....	do.....	A. E. Johnston.....	4-24-28	1.3
Willow Creek.....	do.....	A. E. Johnston.....	5-29-28	1.1
Willow Creek.....	do.....	A. E. Johnston.....	6- 8-28	1.5

## STREAM MEASUREMENTS—Continued

For Year Ending September 30, 1928

STREAM	LOCATION	Hydrographer	Discharge	
			Date	Sec.Ft.
Section 15-14-35				
Willow Creek.....	North Sarben, above A-1747.....	A. E. Johnston.....	6-27-28	1.9
Willow Creek.....	do.....	A. E. Johnston.....	7-18-28	1.4
Willow Creek.....	do.....	A. E. Johnston.....	7-26-28	1.7
Willow Creek.....	do.....	A. E. Johnston.....	8- 9-28	1.5
Willow Creek.....	do.....	A. E. Johnston.....	8-28-28	1.7
Willow Creek.....	do.....	A. E. Johnston.....	9- 3-28	1.4
Willow Creek.....	do.....	A. E. Johnston.....	9-17-28	1.0
East of Scottsbluff Sugar Factory				
Winters Creek.....	Section 19-22-54.....	C. E. Franklin.....	10-19-27	91.8
Winters Creek.....	do.....	A. W. Hall.....	11- 7-27	91.9
Winters Creek.....	do.....	A. W. Hall.....	11-22-27	69.1
Winters Creek.....	do.....	A. W. Hall.....	12- 5-27	45.9
Winters Creek.....	do.....	C. E. Franklin.....	1-12-28	56.3
Winters Creek.....	do.....	A. W. Hall.....	2-10-28	56.6
Winters Creek.....	do.....	A. W. Hall.....	3-19-28	64.8
Winters Creek.....	do.....	A. W. Hall.....	4- 5-28	54.4
Winters Creek.....	do.....	A. W. Hall.....	4-19-28	50.0
Winters Creek.....	do.....	A. W. Hall.....	5- 2-28	78.6
Winters Creek.....	do.....	A. W. Hall.....	5-18-28	61.2
Winters Creek.....	do.....	A. W. Hall.....	6- 7-28	20.6
Winters Creek.....	do.....	A. W. Hall.....	7- 5-28	10.8
Winters Creek.....	do.....	A. W. Hall.....	8- 2-28	65.7
Winters Creek.....	do.....	A. W. Hall.....	8-23-28	25.5
Winters Creek.....	Above Winters Creek Canal.....	A. W. Hall.....	7- 5-28	71.7
Winters Creek.....	do.....	A. W. Hall.....	8- 2-28	81.0
Winters Creek.....	do.....	A. W. Hall.....	8-23-28	78.7
Winters Creek.....	do.....	A. W. Hall.....	8-24-28	100.9
Winters Creek.....	do.....	A. W. Hall.....	9-26-28	116.4
Section 2-12-7				
Wood River.....	2 miles South of Chapman.....	A. E. Johnston.....	9-11-28	0.0
Wood River.....	No. of Kearney, Section 12-9-16.....	A. E. Johnston.....	10- 1-27	3.7
Wood River.....	do.....	A. E. Johnston.....	10-20-27	2.8
Wood River.....	do.....	A. E. Johnston.....	11-12-27	3.6
Wood River.....	do.....	A. E. Johnston.....	11-30-27	5.9
Wood River.....	NW of Kearney, Section 12-9-15.....	A. E. Johnston.....	3-12-28	7.3
Wood River.....	do.....	A. E. Johnston.....	4-19-28	4.3
Wood River.....	do.....	A. E. Johnston.....	5-23-28	20.6
Wood River.....	do.....	A. E. Johnston.....	8- 6-28	3.4
Wood River.....	Grand Island, Section 22-11-9.....	A. E. Johnston.....	10-22-27	3.87
Wood River.....	do.....	A. E. Johnston.....	11-10-27	3.6
Wood River.....	do.....	A. E. Johnston.....	12- 2-27	1.73
Wood River.....	do.....	A. E. Johnston.....	3-15-28	8.5
Wood River.....	do.....	A. E. Johnston.....	4-11-28	4.4
Wood River.....	do.....	A. E. Johnston.....	5-18-28	11.9
Wood River.....	do.....	A. E. Johnston.....	6-13-28	21.7
Wood River.....	do.....	A. E. Johnston.....	7-31-28	5.0

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