

**1989**  
**HYDROGRAPHIC REPORT**

**STATE OF NEBRASKA**  
**DEPARTMENT OF WATER RESOURCES**

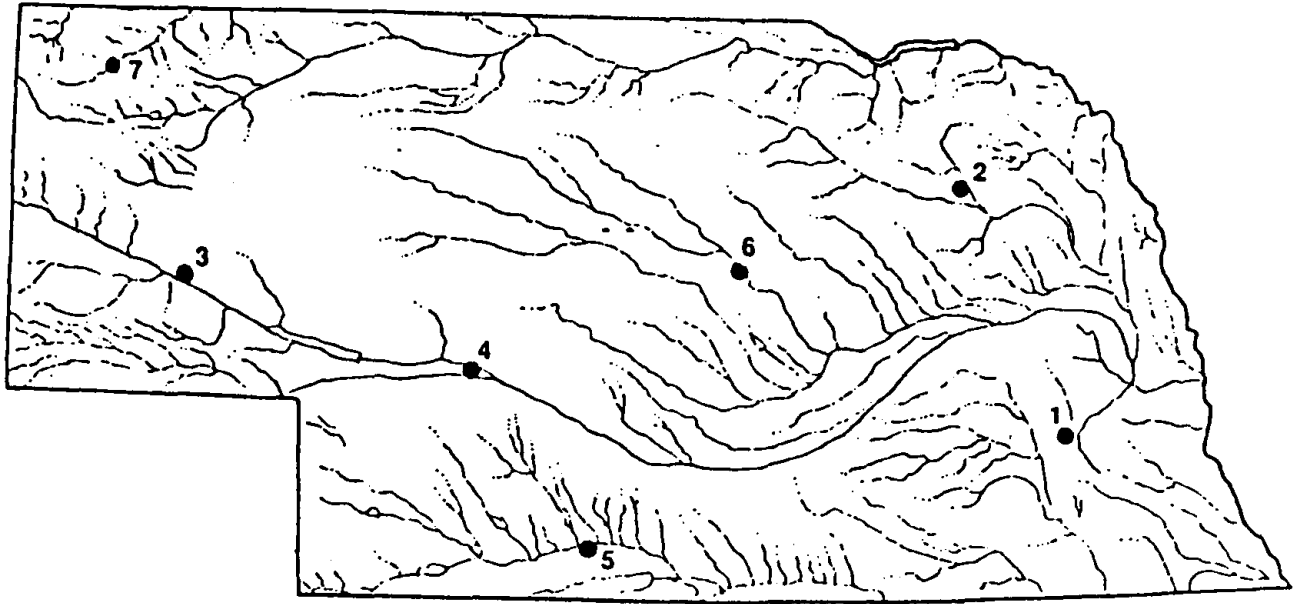
**STATE OF NEBRASKA**

**DEPARTMENT OF WATER RESOURCES**

**DISCHARGE RECORDS OF STREAMS, CANALS, PUMPS  
AND STORAGE IN RESERVOIRS**

**1989**

**Prepared Under the Direction of Michael Jess, Director  
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1989

HYDROGRAPHIC REPORT

INTRODUCTION

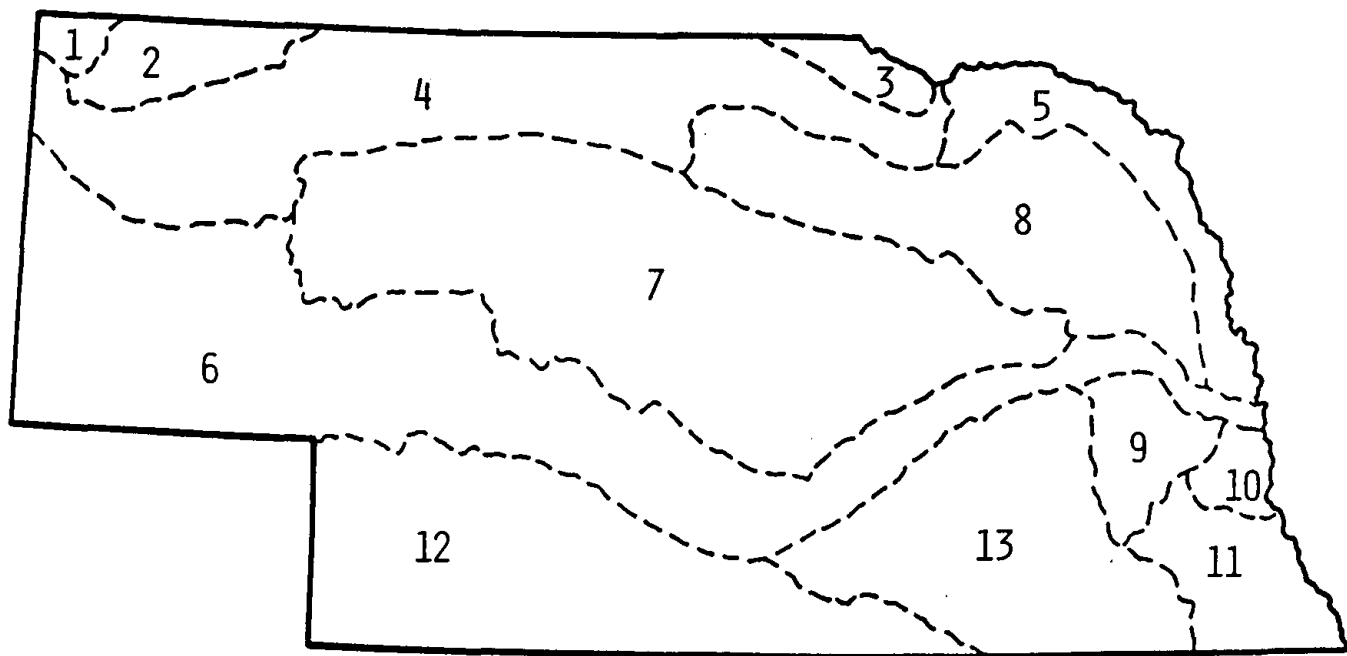
The Hydrographic Report provides a record of streamflow, diversions for irrigation, power, reservoir storage and related data pertaining to water flow and use in Nebraska in accordance with the Department of Water Resources statutory authority granted under Statutes 46-212, 46-227, and 46-234. All measurement sites are referred to the legal coordinates of Section, Township, and Range, East or West of the 6th Principal Meridian. The records are listed in order from upstream to downstream according to the river basin and subbasin map shown on page iv.

The basic stream gaging program in Nebraska is carried out under a cooperative agreement between the Water Resources Division, United States Geological Survey and the Nebraska Department of Water Resources. These records are published annually by the U.S. Geological Survey in the report titled Water Resources Data for Nebraska. The additional streamflow records published in this Hydrographic Report are collected by the Department of Water Resources in cooperation with organizations acknowledged in the record. Storage data for reservoirs in the Papillion and Salt Creek Basins was provided by the U.S. Army Corps of Engineers, Missouri River Division.

Data from both the gaging stations operated under the cooperative agreement and those operated by the Department are available from the Nebraska Natural Resources Commission's computerized Data Bank. Streamflow, canal diversion and reservoir storage records for years preceding this year's data published in this report, may be retrieved by contacting the Data Bank Administrator, Nebraska Natural Resources Commission, P.O. Box 94876, Lincoln, Nebraska 68509-4876.

Most of the stream gaging activity in the state of Nebraska is published in the Department's Hydrographic Report and the Water Resources Data for Nebraska published by the U.S. Geological Survey.

Copies of the Hydrographic Report may be obtained by addressing the Department of Water Resources, P.O. Box 94676, Lincoln, Nebraska 68509-4676. Copies of the publication Water Resources Data for Nebraska may be obtained by addressing the District Chief, U.S. Geological Survey, Room 406, Federal Building and U.S. Courthouse, Lincoln, Nebraska 68508, or the Department of Water Resources.



Data in each section of this report is listed in the following basin order:

1. HAT CREEK
2. WHITE RIVER
3. PONCA CREEK
4. NIOBRARA RIVER
5. MISSOURI RIVER TRIBS. (NIOBRARA TO PLATTE)
6. PLATTE RIVER
7. LOUP RIVER
8. ELKHORN RIVER
9. SALT CREEK
10. MISSOURI RIVER TRIBS. (PLATTE TO NEMAHA)
11. NEMAHA RIVERS
12. REPUBLICAN RIVER
13. BLUE RIVERS

## EXPLANATION OF DATA

The hydrologic data presented in this report was obtained during calendar year 1989. All instantaneous and daily discharge values are expressed in cubic feet per second. Monthly and annual discharge values and reservoir storage totals are expressed in acre-feet. The data may be converted to other common units of measurement using the table of equivalents listed below:

1 cubic foot . . . . .	7.48 gallons or 62.4 lbs. of water
1 cubic foot . . . . .	0.02832 cubic meters
1 acre-foot. . . . .	43,560 cubic feet or 325,851 gallons
1 cubic foot per second (cfs). . . . .	448.8 gallons per minute
1 cfs for 24 hours . . . . .	1.983 acre-feet
1,000 gallons per minute . . . . .	2.23 cfs
1,000 gallons per minute . . . . .	4.42 acre-feet per day

The data presented in the first section of the report includes mean daily discharges for streams and canals, and both daily and monthly reservoir storage values. The mean daily discharge values were obtained from water stage recorders, or readings taken by an observer.

The water diverted from streams into canals is measured at gages located as near as possible to the canal headgates. The legal description of the land on which the measuring device is situated is provided in the heading for each record. The length of time that the station has been operated is also listed in the heading. Water rights served by a diversion are listed at the bottom of each record. A further explanation of the listed water rights is found in the Department of Water Resources' Biennial Report.

Many discharge measurements are made on streams, canals and pumps in the course of regulating diversions to water users. In addition to measurements taken during times of water shortage, numerous sites on streams and canals are measured several times per year on a regular basis. Those measurements are listed in the second and third sections of the report. The measurements define the quantity of flow at the time the reading was obtained. A number of the miscellaneous streamflow measurements were taken under base-flow conditions. Base-flow conditions occur when streamflow consists entirely of ground water seepage, with no withdrawal for irrigation and minimum vegetation growth.

**DAILY DISCHARGE OF RIVERS, STREAMS, CANALS  
AND STORAGE IN RESERVOIRS**

**1989**



# W H I T E R I V E R B A S I N

SOLDIER CREEK below Carter P. Johnson Reservoir - 1989

LOCATION.--SE1/4SW1/4 SEC. 12-31-53 W. near Crawford

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1989

REMARKS.--Recorder installed and record began May 1, 1989

Day	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.3	2.0	.67	.78	2.4	1.4	1.2	1.3
2	2.2	1.9	.57	.78	2.4	.87	1.2	1.4
3	2.5	1.8	.51	.78	2.4	.74	1.2	1.5
4	2.6	1.9	.51	.78	2.5	.75	1.2	1.5
5	2.5	2.0	.44	.78	2.5	1.2	1.7	6.3
6	2.4	1.9	.44	.82	2.6	1.3	4.7	3.0
7	2.5	1.9	.42	.82	2.6	.99	5.2	2.4
8	2.4	2.0	.43	.79	2.7	.84	4.5	2.5
9	2.4	2.1	.47	.84	2.7	.71	3.0	2.0
10	2.1	2.0	.47	.93	2.7	.63	2.0	2.0
11	2.1	1.8	.48	1.0	2.8	.65	1.9	2.1
12	2.5	1.5	.55	1.3	2.4	.69	1.7	2.2
13	2.5	1.3	.55	1.3	2.2	.71	1.6	2.3
14	2.4	1.4	.63	1.3	2.1	.74	1.4	2.3
15	2.4	1.4	.62	1.4	2.0	.76	1.3	2.2
16	2.7	1.3	.57	1.4	1.9	.78	1.4	2.2
17	2.8	1.3	.57	1.3	1.8	.81	1.5	2.1
18	2.4	1.1	.53	1.3	1.8	.80	1.6	2.0
19	2.3	.99	.52	7.5	1.8	.78	1.7	2.0
20	2.1	.94	.50	6.4	34	.80	1.5	2.1
21	2.0	.95	.52	3.3	9.0	.86	.97	2.1
22	2.1	.85	.51	2.7	4.5	.90	1.1	2.1
23	2.0	.88	.51	2.2	2.7	.92	1.1	2.1
24	2.0	1.1	.50	1.9	1.9	.89	1.1	2.1
25	1.9	1.2	.47	2.0	.91	.92	1.1	2.1
26	1.9	1.1	.48	2.1	1.9	1.0	1.1	2.1
27	1.9	1.1	.46	2.1	3.7	1.3	1.5	2.1
28	1.9	.88	.71	2.2	2.1	1.2	1.3	2.2
29	2.0	.75	.88	2.2	1.6	1.2	1.3	2.4
30	2.0	.70	.88	2.3	1.3	.97	1.3	2.5
31	2.1	-----	.81	2.3	-----	.95	-----	2.7
<b>TOTAL</b>	<b>69.9</b>	<b>42.04</b>	<b>17.18</b>	<b>57.60</b>	<b>107.91</b>	<b>28.06</b>	<b>53.37</b>	<b>69.9</b>
<b>MEAN</b>	<b>2.25</b>	<b>1.40</b>	<b>.55</b>	<b>1.86</b>	<b>3.60</b>	<b>.91</b>	<b>1.78</b>	<b>2.25</b>
<b>MAX</b>	<b>2.8</b>	<b>2.1</b>	<b>.88</b>	<b>7.5</b>	<b>34</b>	<b>1.4</b>	<b>5.2</b>	<b>6.3</b>
<b>MIN</b>	<b>1.9</b>	<b>.70</b>	<b>.42</b>	<b>.78</b>	<b>.91</b>	<b>.63</b>	<b>.97</b>	<b>1.3</b>
<b>AC-FT</b>	<b>139</b>	<b>83</b>	<b>34</b>	<b>114</b>	<b>214</b>	<b>56</b>	<b>106</b>	<b>139</b>
<b>TOTAL 8 MONTHS.--MEAN</b>		<b>1.82</b>	<b>MAX</b>	<b>34</b>	<b>MIN</b>	<b>.42</b>	<b>AC-FT</b>	<b>885</b>

# W H I T E R I V E R B A S I N

WHITNEY RESERVOIR from White River - 1989

LOCATION.--NW1/4SE1/4 Sec. 34-33-51 W. near Whitney

GAGE.--Staff gage

PERIOD OF RECORD.--1925 - 1929, 1933 - 1942, 1944 - present

STORAGE LEVEL	GAGE HEIGHT (Feet)	CONTENT (Acre-feet)
Top of conservation pool	17.70	10,700
Top of dead storage pool	5.00	500

Date	Contents (Acre-feet)
December 23, 1988 .....	6,110
January 17, 1989 .....	7,110
January 30, 1989 .....	7,610
February 13, 1989 .....	8,150
March 20, 1989 .....	9,850
April 18, 1989 .....	10,400
May 6, 1989 .....	10,300
June 12, 1989 .....	8,620
July 14, 1989 .....	5,960
July 24, 1989 .....	5,100
August 10, 1989 .....	4,180
August 28, 1989 .....	2,970
September 18, 1989 .....	2,880
October 16, 1989 .....	3,520
October 30, 1989 .....	6,950
November 15, 1989 .....	4,280
November 29, 1989 .....	4,750
December 18, 1989 .....	5,400

# N I O B R A R A   R I V E R   B A S I N

JOHNSON CANAL from Niobrara River - 1989

LOCATION.--NE1/4NW1/4 Sec. 1-31-57 W. near Harrison

GAGE.--Continuous stage recorder and 2 ft. Parshall flume

PERIOD OF RECORD.--1956 - present

Day	Apr	May	Jun
1	0	1.0	2.7
2	0	1.1	2.7
3	0	1.0	2.7
4	0	1.1	2.7
5	0	1.0	2.7
6	0	.98	1.3
7	0	.85	.04
8	0	.79	0
9	0	.75	0
10	0	.74	0
11	0	.76	0
12	0	.87	0
13	0	.96	0
14	0	1.0	0
15	0	1.1	0
16	0	1.0	0
17	0	1.0	0
18	0	1.0	0
19	1.0	.96	0
20	.95	.91	0
21	.90	.80	0
22	.83	2.0	0
23	.82	2.8	0
24	.79	2.8	.33
25	.79	2.7	1.1
26	.80	2.6	1.1
27	.85	2.6	.99
28	.99	2.5	.27
29	1.0	2.5	0
30	1.1	2.6	0
31	-----	2.7	-----
<b>TOTAL</b>	10.82	45.47	18.63
<b>MEAN</b>	.36	1.47	.62
<b>MAX</b>	1.1	2.8	2.7
<b>MIN</b>	0	.74	0
<b>AC-FT</b>	21	90	37

TOTAL 3 MONTHS.--AC-FT            148

# N I O B R A R A   R I V E R   B A S I N

LAKOTAH CANAL from Niobrara River - 1989

LOCATION.--NE1/4NE1/4 Sec. 12-30-57 W. near Harrison

GAGE.--Continuous stage recorder and 2 ft. Parshall flume

PERIOD OF RECORD.--1956 - present

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	3.7	0	1.1	.34	.47	.93
2	0	3.4	0	.77	.42	.44	.91
3	0	3.4	0	.56	.45	.54	.91
4	0	3.4	0	.45	.47	.57	.94
5	0	3.5	0	.39	.42	.63	1.1
6	0	3.4	.55	.29	.38	.52	1.0
7	0	3.2	2.1	.28	.35	.48	.99
8	0	3.1	2.0	.22	.38	.53	1.0
9	0	3.1	2.0	.15	.40	.73	.98
10	0	2.9	2.0	.09	.41	.85	1.1
11	0	3.0	1.8	.11	.45	1.0	1.2
12	0	3.2	1.7	.12	.47	.99	1.2
13	0	3.3	1.6	.15	.50	1.1	1.2
14	0	3.1	1.6	.21	.51	1.0	1.2
15	0	3.3	1.6	.23	.54	.99	1.2
16	0	3.2	1.6	.33	.59	.99	1.2
17	2.0	3.2	1.4	.45	.60	1.1	1.2
18	3.0	2.9	1.4	.53	.64	1.0	1.2
19	3.5	2.9	1.2	.49	.65	1.0	1.2
20	3.3	2.8	1.1	.47	.56	1.1	1.2
21	3.5	2.5	1.0	.40	.52	1.2	1.2
22	3.4	1.8	.99	.41	.51	1.3	1.3
23	3.3	.13	1.0	.42	.47	1.3	1.2
24	3.2	.05	1.1	.47	.42	1.3	1.3
25	3.3	.03	1.3	.44	.42	1.4	1.3
26	3.3	0	1.4	.41	.43	1.4	1.3
27	3.4	0	1.4	.38	.42	1.3	1.3
28	3.3	0	1.4	.34	.42	.91	1.3
29	3.5	0	1.4	.34	.42	.88	1.3
30	3.7	0	1.3	.34	.47	.93	1.7
31	-----	0	-----	.38	.47	-----	1.0
TOTAL	45.7	68.51	35.94	11.72	14.50	27.95	36.06
MEAN	1.52	2.21	1.20	.38	.47	.93	1.16
MAX	3.7	3.7	2.1	1.1	.65	1.4	1.7
MIN	0	0	0	.09	.34	.44	.91
AC-FT	91	136	71	23	29	55	72

TOTAL 7 MONTHS.--AC-FT      477

# N I O B R A R A R I V E R B A S I N

EARNEST CANAL (SOUTH) from Niobrara River - 1989

LOCATION.--SW1/4SE1/4 Sec. 9-29-56 W. near Harrison

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	3.5	0	0	0	0	1.4
2	0	3.5	0	0	0	0	1.4
3	0	3.8	0	0	0	0	.49
4	0	3.9	0	0	0	0	0
5	0	3.9	0	0	0	0	0
6	0	4.2	0	0	0	0	0
7	0	4.1	0	0	0	0	0
8	0	4.1	0	0	0	0	0
9	0	4.0	0	0	0	0	0
10	0	4.0	0	0	0	0	0
11	0	4.1	0	0	0	0	0
12	0	4.3	0	0	0	0	0
13	0	4.7	0	0	0	0	0
14	0	5.1	0	0	0	.70	0
15	0	5.0	0	0	0	1.6	0
16	0	4.7	0	0	0	1.4	0
17	0	4.6	0	0	0	1.6	0
18	0	4.4	0	0	0	1.8	0
19	0	4.1	0	0	0	1.8	0
20	0	3.9	0		0	1.8	0
21	0	3.7	0	0	0	1.9	0
22	0	3.5	0	0	0	2.0	0
23	0	3.4	0	0	0	1.9	0
24	1.0	3.2	0	0	0	1.7	0
25	2.0	2.1	0	0	0	1.6	0
26	3.0	1.1	0	0	0	1.5	0
27	3.0	.87	0	0	0	1.5	0
28	3.0	.65	0	0	0	1.5	0
29	3.0	.44	0	0	0	1.4	0
30	3.5	.20	0	0	0	1.4	0
31	-----	0	-----	0	0	-----	0
<b>TOTAL</b>	<b>18.5</b>	<b>103.06</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27.10</b>	<b>3.29</b>
<b>MEAN</b>	<b>.62</b>	<b>3.32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>.90</b>	<b>.11</b>
<b>MAX</b>	<b>3.5</b>	<b>5.1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.0</b>	<b>1.4</b>
<b>MIN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>AC-FT</b>	<b>37</b>	<b>204</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>6.5</b>

TOTAL 7 MONTHS.--AC-FT      302

# N I O B R A R A   R I V E R   B A S I N

EARNEST CANAL (NORTH) from Niobrara River - 1989

LOCATION.--NE1/4SE1/4 Sec. 9-29-56 W. near Harrison

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

Day	May	Jun	Jul	Aug	Sep
1	0	2.1	1.2	0	.83
2	0	2.2	1.1	0	.83
3	0	2.0	1.0	0	.88
4	0	2.1	.90	0	.90
5	0	2.1	.81	0	.90
6	0	2.1	.76	0	.94
7	0	2.5	.51	0	.96
8	0	2.5	0	0	1.0
9	0	2.5	0	0	1.4
10	0	2.6	0	0	2.0
11	0	2.9	0	0	2.5
12	0	3.0	0	0	2.6
13	0	3.0	0	0	2.7
14	0	2.9	0	0	2.5
15	0	2.8	0	0	2.0
16	0	2.5	0	0	.92
17	0	2.4	0	0	0
18	0	2.2	0	0	0
19	0	2.0	0	0	0
20	0	1.7	0	0	0
21	0	1.7	0	.44	0
22	0	1.7	0	1.1	0
23	0	1.7	0	1.0	0
24	0	2.0	0	.99	0
25	.88	2.2	0	.96	0
26	1.3	2.3	0	.93	0
27	1.3	2.2	0	.90	0
28	1.3	2.0	0	.90	0
29	1.3	1.7	0	.93	0
30	1.4	1.3	0	.89	0
31	1.7	-----	0	.85	-----
<b>TOTAL</b>	<b>9.18</b>	<b>66.9</b>	<b>6.28</b>	<b>9.89</b>	<b>23.86</b>
<b>MEAN</b>	<b>.30</b>	<b>2.23</b>	<b>.20</b>	<b>.32</b>	<b>.80</b>
<b>MAX</b>	<b>1.7</b>	<b>3.0</b>	<b>1.2</b>	<b>1.1</b>	<b>2.7</b>
<b>MIN</b>	<b>0</b>	<b>1.3</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>AC-FT</b>	<b>18</b>	<b>133</b>	<b>12</b>	<b>20</b>	<b>47</b>

TOTAL 5 MONTHS.--AC-FT                    230

# N I O B R A R A   R I V E R   B A S I N

McGINLEY-STOVER CANAL from Niobrara River - 1989

LOCATION.--NE1/4SE1/4 Sec. 25-29-56 W. near Agate

GAGE.--Continuous stage recorder and 2 ft. Parshall flume

PERIOD OF RECORD.--1956 - present

Day	Apr	May
1	0	6.4
2	0	6.3
3	0	6.6
4	0	6.2
5	0	6.1
6	0	6.1
7	0	6.3
8	0	6.0
9	0	5.9
10	0	5.8
11	0	5.4
12	0	6.3
13	0	5.4
14	0	6.0
15	0	7.1
16	0	7.6
17	1.0	6.5
18	2.0	0
19	3.0	0
20	4.0	0
21	3.0	0
22	2.7	0
23	3.2	0
24	3.9	0
25	5.1	0
26	4.8	0
27	5.6	0
28	5.6	0
29	5.9	0
30	6.2	0
31	-----	0
TOTAL	56.0	106.0
MEAN	1.87	3.42
MAX	6.2	7.6
MIN	0	0
AC-FT	111	210

TOTAL 2 MONTHS.--AC-FT            321

# N I O B R A R A   R I V E R   B A S I N

HARRIS-NEECE CANAL from Niobrara River - 1989

LOCATION.--NW1/4SE1/4 Sec. 3-28-55 W. near Agate

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	11	6.7	4.6	5.2	8.3
2	0	10	2.2	4.3	5.3	7.8
3	0	10	5.6	4.2	5.4	6.7
4	1.7	10	6.3	4.2	5.5	8.1
5	3.0	10	6.0	4.2	.09	8.2
6	4.3	9.7	5.6	4.3	0	8.4
7	5.6	9.6	5.3	4.6	0	8.4
8	6.0	9.7	5.1	4.6	0	8.4
9	6.7	9.9	5.0	4.8	0	8.6
10	7.0	10	4.6	4.5	0	8.6
11	7.0	10	4.4	4.5	0	8.7
12	7.7	9.5	4.2	4.6	0	8.9
13	8.4	9.0	4.5	4.6	0	9.0
14	8.5	8.8	5.0	4.4	0	9.0
15	8.8	8.5	5.2	4.2	0	7.4
16	8.9	8.5	5.4	4.3	0	.76
17	8.9	8.2	5.6	5.7	0	5.6
18	8.8	7.9	5.8	6.1	4.8	8.8
19	8.6	8.0	6.0	5.8	7.9	9.0
20	8.5	7.4	6.0	5.7	7.3	9.2
21	8.5	6.9	5.6	5.4	7.5	9.6
22	8.3	6.9	5.3	5.2	8.3	9.8
23	8.1	7.1	4.9	4.7	9.4	9.9
24	7.9	8.6	4.3	4.5	9.5	10
25	7.9	9.6	4.1	5.2	9.0	9.9
26	8.2	9.8	4.0	5.1	8.4	9.9
27	9.3	2.6	4.0	5.0	7.9	9.8
28	10	6.0	4.1	5.2	8.0	3.8
29	9.9	8.0	4.5	5.3	8.1	.13
30	9.9	7.5	4.6	5.2	8.2	0
31	11	-----	4.9	5.1	-----	0
<b>TOTAL</b>	<b>217.4</b>	<b>258.7</b>	<b>154.8</b>	<b>150.1</b>	<b>125.79</b>	<b>230.69</b>
<b>MEAN</b>	<b>7.01</b>	<b>8.62</b>	<b>4.99</b>	<b>4.84</b>	<b>4.19</b>	<b>7.44</b>
<b>MAX</b>	<b>11</b>	<b>11</b>	<b>6.7</b>	<b>6.1</b>	<b>9.5</b>	<b>10</b>
<b>MIN</b>	<b>0</b>	<b>2.6</b>	<b>2.2</b>	<b>4.2</b>	<b>0</b>	<b>0</b>
<b>AC-FT</b>	<b>431</b>	<b>513</b>	<b>307</b>	<b>298</b>	<b>250</b>	<b>458</b>

TOTAL 6 MONTHS.--AC-FT      2,260



# N I O B R A R A   R I V E R   B A S I N

LABELLE CANAL from Niobrara River - 1989

LOCATION.--NW1/4NW1/4 Sec. 6-28-54 W. near Agate

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

Day	Apr	May
1	0	3.3
2	0	3.3
3	0	3.4
4	0	3.5
5	0	2.7
6	0	2.6
7	0	1.1
8	0	.95
9	0	.96
10	0	1.0
11	0	.96
12	0	.95
13	0	.95
14	0	.94
15	0	.91
16	0	.91
17	0	.39
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	1.0	0
25	2.0	0
26	2.9	0
27	3.0	0
28	3.2	0
29	3.3	0
30	3.2	0
31	-----	0
<b>TOTAL</b>	18.6	28.82
<b>MEAN</b>	.62	.93
<b>MAX</b>	3.3	3.5
<b>MIN</b>	0	0
<b>AC-FT</b>	37	57

TOTAL 2 MONTHS.--AC-FT                    94

# N I O B R A R A   R I V E R   B A S I N

METTLEN CANAL from Niobrara River - 1989

LOCATION.--NW1/4NE1/4 Sec. 4-28-54 W. near Agate

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	0	2.4	.13	.59	2.0
2	0	0	2.7	.03	.61	2.0
3	0	0	2.8	.05	.52	2.0
4	0	1.4	2.4	.05	.80	1.0
5	0	3.7	.62	0	1.5	1.0
6	0	3.6	0	0	2.1	1.0
7	0	3.4	0	0	2.8	1.0
8	0	3.3	0	.68	3.4	1.0
9	0	3.8	0	.09	3.6	0
10	0	3.9	0	1.8	3.9	0
11	.65	3.3	0	1.9	4.1	0
12	2.9	3.3	0	.93	4.4	0
13	3.3	3.6	0	.91	4.6	0
14	3.0	3.7	0	.92	4.8	0
15	3.3	3.1	0	1.1	4.8	0
16	4.8	2.9	0	1.6	5.0	0
17	7.2	2.4	0	1.8	4.8	0
18	4.9	2.1	.50	1.9	4.8	0
19	4.2	2.0	.80	1.3	4.8	0
20	5.0	1.8	.78	1.0	4.8	0
21	6.2	1.7	.71	1.1	4.8	0
22	5.4	1.9	.64	.75	4.5	0
23	3.0	2.0	.61	1.2	3.5	0
24	0	2.5	.61	.67	3.6	0
25	0	3.0	.05	1.4	3.1	0
26	0	3.5	0	1.3	2.6	0
27	0	4.0	0	1.0	2.1	0
28	0	4.8	.01	.99	2.1	0
29	0	3.8	.41	.88	2.1	0
30	0	2.7	.28	.83	2.2	0
31	0	-----	.20	.61	-----	0
<b>TOTAL</b>	<b>53.85</b>	<b>81.2</b>	<b>16.52</b>	<b>25.92</b>	<b>97.32</b>	<b>11.0</b>
<b>MEAN</b>	<b>1.74</b>	<b>2.71</b>	<b>.53</b>	<b>.87</b>	<b>3.24</b>	<b>.35</b>
<b>MAX</b>	<b>7.2</b>	<b>4.8</b>	<b>2.8</b>	<b>1.9</b>	<b>5.0</b>	<b>2.0</b>
<b>MIN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>.52</b>	<b>0</b>
<b>AC-FT</b>	<b>107</b>	<b>161</b>	<b>33</b>	<b>53</b>	<b>193</b>	<b>22</b>

TOTAL 6 MONTHS.--AC-FT            569

# N I O B R A R A   R I V E R   B A S I N

BENNETT-KAY CANAL from Niobrara River - 1989

LOCATION.--SE1/4SE1/4 Sec. 1-28-54 W. near Agate

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1958 - present

Day	Apr	May	Jun	Jul
1	0	3.2	0	1.6
2	0	3.5	0	0
3	0	3.7	0	0
4	0	3.7	0	0
5	0	3.7	0	0
6	0	3.4	0	0
7	0	3.0	0	0
8	0	2.0	0	0
9	0	1.0	0	0
10	0	0	0	0
11	0	0	0	0
12	0	0	0	0
13	0	0	0	0
14	0	0	0	0
15	0	0	.61	0
16	0	0	.75	0
17	0	0	.97	0
18	0	0	1.1	0
19	0	0	1.4	0
20	0	0	1.8	0
21	0	0	1.6	0
22	0	0	1.5	0
23	0	0	1.5	0
24	0	0	1.7	0
25	0	0	1.7	0
26	2.0	0	1.7	0
27	3.1	0	1.7	0
28	3.1	0	1.7	0
29	3.1	0	2.2	0
30	3.1	0	2.3	0
31	-----	0	-----	0
TOTAL	14.4	27.2	24.23	1.6
MEAN	.48	.88	.81	.052
MAX	3.1	3.7	2.3	1.6
MIN	0	0	0	0
AC-FT	29	54	48	3.2

TOTAL 4 MONTHS.--AC-FT                    134

## N I O B R A R A R I V E R B A S I N

MOORE - KAY CANAL from Niobrara River - 1989

LOCATION.--SE1/4NE1/4 Sec. 9-28-53 W. near Marsland

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

Day	Apr	May	Jun	Jul
1	0	5.5	0	1.3
2	0	5.0	0	1.6
3	0	4.8	0	1.5
4	0	5.0	0	1.6
5	0	5.0	0	1.4
6	0	2.7	0	1.3
7	0	0	0	1.4
8	0	0	0	1.3
9	0	0	.89	1.3
10	0	0	1.8	1.2
11	0	0	1.8	1.2
12	0	0	1.7	1.2
13	0	0	1.8	1.2
14	0	0	2.0	1.3
15	0	0	2.3	.82
16	0	0	1.8	0
17	0	0	1.7	0
18	0	0	1.6	0
19	0	0	1.6	0
20	0	0	1.7	0
21	0	0	1.5	0
22	0	0	1.1	0
23	2.0	0	1.1	0
24	3.0	0	1.4	0
25	4.0	0	1.6	0
26	4.7	0	1.5	0
27	5.4	0	1.4	0
28	5.5	0	1.4	0
29	5.3	0	1.3	0
30	5.7	0	1.4	0
31	-----	0	-----	0
TOTAL	35.6	28.0	34.39	19.62
MEAN	1.19	.90	1.15	.63
MAX	5.7	5.5	2.3	1.6
MIN	0	0	0	0
AC-FT	71	56	68	39

TOTAL 4 MONTHS.--AC-FT 234

# N I O B R A R A   R I V E R   B A S I N

GEO HITSHEW CANAL from Niobrara River - 1989

LOCATION.--SE1/4SE1/4 Sec. 6-28-52 W. near Marsland

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

Day	Apr	May	Jun	Jul	Aug
1	0	3.1	1.4	0	1.4
2	0	3.2	1.3	0	1.3
3	0	3.2	1.2	0	1.2
4	0	2.9	1.1	0	1.1
5	0	2.5	1.0	0	.96
6	0	2.3	.91	0	.98
7	0	2.2	.87	0	1.0
8	0	2.0	.74	0	.89
9	0	1.9	.79	0	.59
10	0	1.5	.68	0	.55
11	0	1.1	.83	0	.35
12	0	1.3	1.4	0	.16
13	0	1.3	1.5	0	.01
14	0	1.2	1.6	0	0
15	0	1.2	1.6	0	0
16	0	1.2	1.4	0	0
17	0	1.4	1.3	0	.33
18	0	1.3	.94	0	.05
19	0	1.2	0	0	0
20	0	1.0	0	.08	0
21	0	.96	0	.46	0
22	0	.92	0	.42	0
23	0	.88	0	.38	0
24	0	.78	0	.34	0
25	0	.78	0	.31	0
26	0	.87	0	.42	0
27	0	.96	0	.65	0
28	0	1.0	0	.75	0
29	0	1.1	0	.87	0
30	1.5	1.1	0	1.1	0
31	-----	1.3	-----	1.3	.0
<b>TOTAL</b>	1.5	47.65	20.56	7.08	10.87
<b>MEAN</b>	.050	1.54	.69	.23	.35
<b>MAX</b>	1.5	3.2	1.6	1.3	1.4
<b>MIN</b>	0	.78	0	0	0
<b>AC-FT</b>	3.0	95	41	14	22

TOTAL 5 MONTHS.--AC-FT                    175

# N I O B R A R A   R I V E R   B A S I N

McLAUGHLIN CANAL from Niobrara River - 1989

LOCATION.--NW1/4SE1/4 Sec. 9-28-52 W. near Marsland

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

Day	May	Jun	Jul	Aug	Sep	Oct	Nov
1	0	5.7	1.9	.16	0	4.4	6.3
2	0	5.7	1.9	0	0	4.3	6.4
3	0	5.6	2.3	0	0	4.6	6.4
4	0	5.3	2.3	0	1.7	4.7	6.5
5	0	5.2	2.3	0	2.5	4.7	3.9
6	.65	5.6	2.1	0	2.3	4.7	0
7	6.6	6.2	1.9	0	2.5	4.7	0
8	5.6	5.4	1.5	0	3.3	4.8	0
9	2.3	5.3	1.2	0	5.1	5.2	0
10	6.0	5.0	1.0	0	6.2	5.4	0
11	5.8	4.0	.93	0	6.3	5.5	0
12	6.7	2.5	.88	0	6.3	5.4	0
13	7.4	2.1	.83	0	6.3	5.5	0
14	7.5	1.8	.81	0	6.1	5.5	0
15	7.6	1.7	.85	0	6.1	5.4	0
16	8.1	1.6	.92	0	6.0	5.2	0
17	8.9	1.4	1.0	0	5.8	5.4	0
18	8.9	1.2	.93	0	5.6	5.6	0
19	7.7	1.3	.82	0	5.3	5.9	0
20	6.8	1.3	.72	0	5.5	5.8	0
21	6.7	2.3	.58	0	6.1	5.9	0
22	6.6	2.5	.51	0	6.2	5.5	0
23	6.4	3.2	.48	0	6.2	5.1	0
24	6.3	3.7	.46	0	6.0	5.1	0
25	5.8	4.4	.47	0	5.9	5.2	0
26	6.0	4.4	.47	0	5.7	5.3	0
27	6.0	3.5	.42	0	5.4	5.6	0
28	5.7	2.9	.41	0	5.0	5.8	0
29	5.7	2.3	.43	0	4.6	6.0	0
30	5.4	1.8	.45	0	4.5	6.0	0
31	5.6	-----	.39	0	-----	6.1	-----
TOTAL	162.75	104.9	32.16	0.16	138.5	164.3	29.5
MEAN	5.25	3.50	1.04	.005	4.62	5.30	.98
MAX	8.9	6.2	2.3	.16	6.3	6.1	6.5
MIN	0	1.2	.39	0	0	4.3	0
AC-FT	323	208	64	.3	275	326	59

TOTAL 7 MONTHS.--AC-FT      1,260

# N I O B R A R A   R I V E R   B A S I N

EXCELSIOR CANAL from Niobrara River - 1989

LOCATION.--SE1/4NW1/4 Sec. 10-28-52 W. near Marsland

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

Day	Apr	May	Jun
1	0	4.6	5.3
2	0	3.8	4.7
3	0	3.8	4.6
4	0	3.6	4.6
5	0	3.5	4.5
6	0	3.4	5.3
7	0	2.3	6.2
8	0	2.7	5.0
9	0	2.9	4.1
10	0	2.1	4.0
11	0	2.2	3.4
12	0	2.4	2.9
13	0	2.8	2.5
14	0	5.4	2.1
15	0	5.3	1.8
16	0	5.8	1.6
17	0	7.5	1.7
18	0	6.5	1.6
19	0	4.8	1.7
20	0	4.4	1.7
21	0	3.8	1.1
22	0	3.4	.68
23	0	3.2	.64
24	0	3.0	.67
25	3.0	3.0	.77
26	4.0	3.3	.82
27	4.3	4.2	.75
28	5.2	4.2	.59
29	4.9	3.6	.43
30	4.7	3.7	.20
31	-----	4.6	-----
<b>TOTAL</b>	<b>26.1</b>	<b>119.8</b>	<b>75.95</b>
<b>MEAN</b>	<b>.87</b>	<b>3.86</b>	<b>2.53</b>
<b>MAX</b>	<b>5.2</b>	<b>7.5</b>	<b>6.2</b>
<b>MIN</b>	<b>0</b>	<b>2.1</b>	<b>.20</b>
<b>AC-FT</b>	<b>52</b>	<b>238</b>	<b>151</b>

TOTAL 3 MONTHS.--AC-FT            441

# N I O B R A R A   R I V E R   B A S I N

HUGHES CANAL from Niobrara River - 1989

LOCATION.--SW1/4SW1/4 Sec. 1-28-52 W. near Marsland

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

Day	Apr	May
-----		
1	0	1.5
2	0	1.9
3	0	2.3
4	0	2.6
5	0	2.4
6	0	2.3
7	0	1.8
8	0	1.5
9	0	1.8
10	0	1.5
11	0	1.4
12	0	1.3
13	0	1.3
14	0	1.2
15	0	1.5
16	0	1.7
17	0	2.0
18	0	1.1
19	0	.89
20	0	.80
21	0	.72
22	0	.77
23	0	.93
24	0	1.0
25	0	1.1
26	0	1.1
27	.26	1.1
28	1.0	.88
29	1.2	.06
30	1.2	.01
31	-----	.01
TOTAL	3.66	40.47
MEAN	.12	1.31
MAX	1.2	2.6
MIN	0	.01
AC-FT	7.3	80

TOTAL 2 MONTHS.--AC FT                      87



# N I O B R A R A   R I V E R   B A S I N

PIONEER CANAL from Niobrara River - 1989

LOCATION.--NE1/4NE1/4 Sec. 36-29-51 W. near Marsland

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - 1982, 1986 - present

Day	May	Jun
1	0	4.4
2	0	4.1
3	0	4.5
4	3.6	4.4
5	8.3	2.2
6	7.6	0
7	6.9	0
8	6.1	.23
9	5.0	3.1
10	4.7	3.9
11	4.7	4.1
12	5.1	4.7
13	5.1	4.7
14	5.2	5.0
15	5.1	5.1
16	4.8	4.5
17	5.5	4.5
18	5.6	1.5
19	4.9	0
20	4.2	0
21	3.7	0
22	3.2	0
23	3.1	0
24	2.8	0
25	2.5	0
26	2.8	0
27	3.1	0
28	3.4	0
29	3.7	0
30	4.1	0
31	4.5	-----
TOTAL	129.3	60.93
MEAN	4.17	2.03
MAX	8.3	5.1
MIN	0	0
AC-FT	256	121

TOTAL 2 MONTHS.--AC-FT                    377

# N I O B R A R A   R I V E R   B A S I N

MONTAGUE CANAL from Niobrara River - 1989

LOCATION.--SW1/4NW1/4 Sec. 27-29-48 W. near Dunlap

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - 1957, 1959 - present

Day	Jul	Aug
-----		
1	0	.11
2	0	0
3	0	0
4	0	0
5	0	0
6	.39	0
7	.40	0
8	.48	0
9	1.1	0
10	.80	0
11	.32	0
12	1.6	0
13	.54	.58
14	.76	1.4
15	.41	.95
16	.01	1.5
17	0	1.5
18	.76	1.3
19	1.0	.61
20	.71	.47
21	.53	.62
22	.35	.88
23	.31	.14
24	.58	0
25	.47	0
26	.33	0
27	.27	0
28	.22	0
29	.17	0
30	.48	0
31	.31	0
<b>TOTAL</b>	13.30	10.06
<b>MEAN</b>	.43	.32
<b>MAX</b>	1.6	1.5
<b>MIN</b>	0	0
<b>AC-FT</b>	26	20

TOTAL 2 MONTHS.--AC-FT            46

# N I O B R A R A R I V E R B A S I N

LICHTE CANAL from Niobrara River - 1989

LOCATION.--NE1/4SW1/4 Sec. 26-29-48 W. near Dunlap

GAGE.--Continuous stage recorder and 3 ft. Parshall flume

PERIOD OF RECORD.--1956 - present

Day	May	Jun	Jul	Aug	Sep
1	0	0	0	0	2.6
2	0	0	2.0	0	2.6
3	0	1.3	4.0	0	2.5
4	0	2.3	4.1	0	2.5
5	0	.73	4.2	0	2.5
6	0	4.3	4.4	0	2.5
7	0	3.9	4.4	0	1.4
8	0	2.7	4.4	0	4.2
9	0	3.2	4.4	1.8	4.3
10	0	2.2	4.0	4.2	2.7
11	5.1	2.1	3.0	3.9	0
12	4.2	.83	2.0	3.8	0
13	.04	2.0	0	3.5	0
14	2.8	2.7	0	2.8	0
15	3.4	3.5	1.7	2.5	0
16	5.2	3.6	3.2	2.4	0
17	5.4	3.5	0	2.7	0
18	5.4	3.4	.77	3.8	0
19	5.2	3.5	0	2.9	0
20	5.1	3.7	.92	.01	0
21	5.0	2.5	3.7	0	0
22	5.0	0	3.8	0	0
23	4.8	0	1.9	0	0
24	4.7	0	0	.62	0
25	2.1	0	0	4.4	0
26	1.5	0	0	4.3	0
27	2.2	0	0	3.7	0
28	4.5	0	0	3.0	0
29	3.1	0	0	2.8	0
30	0	0	0	2.6	0
31	0	-----	0	2.6	-----
TOTAL	74.74	51.96	56.89	58.33	27.8
MEAN	2.41	1.73	1.84	1.88	.93
MAX	5.4	4.3	4.4	4.4	4.3
MIN	0	0	0	0	0
AC-FT	148	103	113	116	55

TOTAL 5 MONTHS.--AC-FT            535

# N I O B R A R A   R I V E R   B A S I N

MIRAGE FLATS CANAL from Niobrara River - 1989

LOCATION.--SE1/4NW1/4 Sec 26-29-48 W. near Dunlap

GAGE.--Continuous stage recorder and 10 ft. Parshall flume

PERIOD OF RECORD.--1948 - present

REMARKS.--Values furnished by the U. S. Bureau of Reclamation

Day	Jun	Jul	Aug
1	0	128	113
2	0	130	96
3	0	141	84
4	0	140	81
5	0	140	64
6	0	141	55
7	0	153	43
8	0	153	36
9	0	154	28
10	0	168	29
11	0	170	28
12	0	164	29
13	0	158	28
14	0	156	27
15	0	45	27
16	0	0	16
17	0	0	0
18	0	0	0
19	0	5.4	0
20	0	97	0
21	0	124	0
22	0	129	0
23	0	142	0
24	0	151	0
25	116	146	0
26	123	143	0
27	125	143	0
28	117	142	0
29	121	137	0
30	123	131	0
31	-----	118	0
TOTAL	725	3,749.4	784
MEAN	24.2	121	25.3
MAX	125	170	113
MIN	0	0	0
AC-FT	1,440	7,440	1,560

TOTAL 3 MONTHS--AC-FT      10,440

# N I O B R A R A   R I V E R   B A S I N

POTMESIL CANAL from Niobrara River - 1989

LOCATION.--SE1/4 NW1/4 Sec. 26-29-48 W. near Dunlap

GAGE.--Continuous stage recorder and 3 ft. Parshall flume

PERIOD OF RECORD.--1956 - present

Day	May	Jun	Jul	Aug	Sep
1	0	0	6.8	4.3	5.8
2	0	0	6.9	3.7	6.6
3	0	2.8	7.5	3.4	6.0
4	0	7.5	7.6	4.4	6.9
5	0	8.4	7.4	3.4	6.3
6	0	7.4	7.5	2.0	6.3
7	0	7.0	8.0	.80	7.1
8	0	7.7	8.5	.88	4.4
9	0	7.8	8.0	2.4	0
10	0	6.9	7.7	4.3	0
11	0	6.9	7.4	2.5	0
12	0	6.9	7.1	1.9	0
13	0	7.0	6.8	2.1	0
14	0	8.2	6.9	2.2	0
15	0	7.7	8.3	1.9	0
16	0	7.4	8.6	3.8	0
17	0	7.4	8.6	7.8	0
18	.05	7.5	5.6	6.1	0
19	.18	7.7	3.5	5.9	0
20	.27	7.7	5.0	6.5	0
21	.36	7.7	5.7	7.0	0
22	.43	8.1	6.9	6.7	0
23	.52	6.8	6.6	6.9	0
24	4.7	1.5	6.7	6.9	0
25	7.3	7.0	6.5	8.0	0
26	6.9	6.8	6.3	7.4	0
27	5.2	6.8	5.9	6.3	0
28	4.9	6.6	5.7	6.3	0
29	5.1	6.7	5.4	5.9	0
30	3.6	6.9	5.1	6.1	0
31	0	-----	4.5	5.7	-----
TOTAL	39.51	194.8	209.0	143.48	49.4
MEAN	1.27	6.49	6.74	4.63	1.65
MAX	7.3	8.4	8.6	8.0	7.1
MIN	0	0	3.5	.80	0
AC-FT	78	386	415	285	98

TOTAL 5 MONTHS.--AC-FT      1,260

# N I O B R A R A   R I V E R   B A S I N

AINSWORTH CANAL from Merritt Reservoir - 1989

LOCATION.--NW1/4NE1/4 Sec. 29-31-30 W. near Valentine

GAGE.--Continuous stage recorder and 15 ft. Parshall flume

PERIOD OF RECORD.--1965 - present

Day	May	Jun	Jul	Aug	Sep
1	0	101	235	569	385
2	0	96	261	585	270
3	0	86	340	577	271
4	0	86	411	528	279
5	0	86	511	498	334
6	0	90	580	501	388
7	19	96	615	520	387
8	150	93	615	523	325
9	144	86	615	541	204
10	124	86	620	539	196
11	137	93	620	523	74
12	150	101	620	500	0
13	151	101	620	505	0
14	152	98	597	534	0
15	147	99	525	538	0
16	135	110	524	484	0
17	136	110	513	463	0
18	102	119	490	442	70
19	83	141	490	386	145
20	75	166	496	384	72
21	82	181	529	379	34
22	94	185	550	425	0
23	110	190	555	454	0
24	128	190	581	478	0
25	147	187	587	457	0
26	140	168	601	399	0
27	140	144	601	405	0
28	141	156	601	446	0
29	142	179	596	469	0
30	135	215	595	468	0
31	115	-----	578	445	-----
TOTAL	3,079	3,839	16,672	14,965	3,434
MEAN	99.3	128	538	483	114
MAX	152	215	620	585	388
MIN	0	86	235	379	0
AC-FT	6,110	7,610	33,070	29,680	6,810

TOTAL 5 MONTHS.--AC-FT      83,290

MISSOURI RIVER TRIBUTARIES

( NIOBRARA TO THE PLATTE )

CUNNINGHAM LAKE (NO. 11) from Knight Creek - 1989

LOCATION.--Sec. 22-16-12 E. in Omaha

GAGE.--Continous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.  
All values adjusted for a -443 A.F. storage table  
revision effective February 1, 1989.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1142.0	17,160
Top of conservation pool	1121.0	3,260
Top of dead storage pool	1099.0	6

Date	Contents (Acre-feet)
December 31, 1988	3,170
January 31, 1989	3,280
February 28, 1989	3,350
March 31, 1989	3,310
April 30, 1989	3,330
May 31, 1989	3,200
June 30, 1989	3,320
July 31, 1989	3,300
August 31, 1989	3,220
September 30, 1989	3,280
October 31, 1989	3,260
November 30, 1989	2,750
December 31, 1989	2,790

STANDING BEAR LAKE (NO. 16) from Big Papillion Creek - 1989

LOCATION.--Sec. 36-16-11 E. near Omaha

GAGE.--Continuous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1121.0	5,220
Top of conservation pool	1109.0	2,320
Top of dead storage pool	1080.0	123

Date	Contents (Acre-feet)
December 31, 1988	1,120
January 31, 1989	1,100
February 28, 1989	1,090
March 31, 1989	1,140
April 30, 1989	1,100
May 31, 1989	1,030
June 30, 1989	1,020
July 31, 1989	991
August 31, 1989	932
September 30, 1989	985
October 31, 1989	945
November 30, 1989	908
December 31, 1989	890

WEHRSPANN LAKE (NO. 20) from South Fork, West Branch Papillion Creek - 1989

LOCATION.--Sec. 23-14-11 E. near Chalco

GAGE.--Continous stage recorder

PERIOD OF RECORD.--1985 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1120.0	12,740
Top of conservation pool	1096.0	2,720
Top of dead storage pool	1077.0	252

Date	Contents (Acre-feet)
December 31, 1988	1,240
January 31, 1989	1,190
February 28, 1989	1,130
March 31, 1989	1,160
April 30, 1989	1,150
May 31, 1989	1,020
June 30, 1989	1,220
July 31, 1989	1,100
August 31, 1989	1,000
September 30, 1989	1,270
October 31, 1989	1,170
November 30, 1989	1,080
December 31, 1989	1,010

# N O R T H   P L A T T E   R I V E R   B A S I N

FORT LARAMIE CANAL from North Platte River - 1989

LOCATION.--SW1/4NW1/4 Sec. 10-26-65 W.

GAGE.--Continuous stage recorder and parshall flume

PERIOD OF RECORD.--1918 - 1928, 1933 - present

REMARKS.--Values furnished by U. S. Bureau of Reclamation

Day	May	Jun	Jul	Aug	Sep
1	0	0	1,500	1,450	1,390
2	0	0	1,500	1,450	1,350
3	0	0	1,490	1,470	1,330
4	0	0	1,500	1,510	1,330
5	585	0	1,510	1,510	1,330
6	663	0	1,510	1,500	1,340
7	661	0	1,510	1,500	986
8	745	0	1,510	1,500	43
9	745	0	1,510	1,500	0
10	750	0	1,510	1,500	0
11	791	0	1,500	1,500	0
12	826	0	1,510	1,480	0
13	828	0	1,510	1,460	0
14	833	0	1,510	1,460	0
15	774	0	1,500	1,450	0
16	724	0	1,500	1,440	0
17	736	0	1,500	1,430	0
18	838	535	1,500	1,420	0
19	894	563	1,500	1,420	0
20	897	762	1,510	1,420	0
21	902	907	1,510	1,420	0
22	910	1,090	1,500	1,430	0
23	902	1,220	1,500	1,430	0
24	861	1,320	1,500	1,430	0
25	700	1,320	1,490	1,420	0
26	89	1,330	1,490	1,420	0
27	0	1,390	1,490	1,400	0
28	0	1,420	1,480	1,400	0
29	0	1,480	1,470	1,390	0
30	0	1,500	1,460	1,380	0
31	0	-----	1,460	1,380	-----
<b>TOTAL</b>	<b>16,654</b>	<b>14,837</b>	<b>46,440</b>	<b>44,870</b>	<b>9,099</b>
<b>MEAN</b>	<b>537</b>	<b>495</b>	<b>1,498</b>	<b>1,447</b>	<b>303</b>
<b>MAX</b>	<b>910</b>	<b>1,500</b>	<b>1,510</b>	<b>1,510</b>	<b>1,390</b>
<b>MIN</b>	<b>0</b>	<b>0</b>	<b>1,460</b>	<b>1,380</b>	<b>0</b>
<b>AC-FT</b>	<b>33,030</b>	<b>29,430</b>	<b>92,110</b>	<b>89,000</b>	<b>18,050</b>

TOTAL 5 MONTHS.--AC-FT    261,600



**N O R T H P L A T T E R I V E R B A S I N**

FORT LARAMIE CANAL from North Platte River @ Mile Post 85.3 - 1989

LOCATION.--NE1/4NE1/4 Sec. 10-21-60 W. near Wyo. - Neb. State line

GAGE.--Continuous stage recorder and Parshall flume

PERIOD OF RECORD.--1981 - present

REMARKS.--Values furnished by U. S. Bureau of Reclamation

Day	May	Jun	Jul	Aug	Sep
1	0	0	583	610	603
2	0	0	568	617	603
3	0	0	564	610	590
4	0	0	568	610	574
5	0	0	566	614	568
6	0	0	570	612	566
7	0	0	570	614	577
8	119	0	568	612	555
9	339	0	566	612	316
10	295	0	574	614	125
11	314	0	581	617	39
12	323	0	579	623	0
13	316	0	585	610	0
14	348	0	590	610	0
15	372	0	583	610	0
16	326	0	590	617	0
17	273	0	603	612	0
18	268	0	601	614	0
19	277	0	610	608	0
20	316	0	612	608	0
21	319	125	610	610	0
22	318	391	614	603	0
23	319	392	617	605	0
24	318	406	619	605	0
25	307	508	617	612	0
26	295	574	610	605	0
27	203	579	605	599	0
28	111	574	610	601	0
29	73	570	617	603	0
30	48	577	610	603	0
31	32	-----	610	605	-----
TOTAL	6,229	4,696	18,370	18,905	5,116
MEAN	201	157	593	610	171
MAX	372	579	619	623	603
MIN	0	0	564	599	0
AC-FT	12,360	9,310	36,440	37,500	10,150

TOTAL 5 MONTHS.--AC-FT 105,800

# N O R T H   P L A T T E   R I V E R   B A S I N

INTERSTATE CANAL from North Platte River - 1989

LOCATION.--NE1/4NW1/4 Sec. 11-26-65 W., Wyo.

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1915 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	930	0	2,000	1,700	1,490
2	0	918	0	2,000	1,710	1,420
3	0	998	0	2,000	1,700	1,390
4	0	1,020	0	2,010	1,700	1,380
5	0	1,070	0	2,040	1,690	1,310
6	0	1,160	0	2,050	1,700	1,260
7	0	1,350	0	2,070	1,700	1,260
8	0	1,420	0	2,060	1,700	1,280
9	0	1,480	0	2,060	1,640	948
10	0	1,620	0	2,050	1,610	553
11	0	1,650	0	1,990	1,620	66
12	0	1,490	0	1,960	1,610	0
13	0	1,410	0	1,960	1,510	0
14	0	1,420	397	1,900	1,510	0
15	0	1,400	771	1,860	1,460	0
16	91	1,310	974	1,850	1,470	342
17	512	1,280	986	1,860	1,470	672
18	779	1,280	1,020	1,800	1,470	965
19	894	1,280	1,080	1,760	1,480	995
20	900	989	1,190	1,770	1,520	1,000
21	909	682	1,520	1,760	1,530	998
22	906	314	1,630	1,750	1,610	998
23	906	0	1,670	1,740	1,700	989
24	909	0	1,630	1,740	1,700	792
25	912	0	1,650	1,720	1,700	471
26	921	0	1,710	1,730	1,700	344
27	956	0	1,600	1,720	1,700	81
28	950	0	1,610	1,720	1,700	0
29	945	0	1,780	1,720	1,650	0
30	939	0	1,930	1,710	1,600	0
31	-----	0	-----	1,710	1,600	-----
TOTAL	12,429	26,471	23,148	58,070	50,160	21,004
MEAN	414	854	772	1,873	1,618	700
MAX	956	1,650	1,930	2,070	1,710	1,490
MIN	0	0	0	1,710	1,460	0
AC-FT	24,650	52,510	45,910	115,200	99,490	41,660

TOTAL 6 MONTHS.--AC-FT 379,400

ALICE RESERVOIR from North Platte - 1989  
 LOCATION.--Sec. 8 & 15-23-54 W. near Scottsbluff  
 GAGE.--Reference point  
 PERIOD OF RECORD.--1977 - present

REMARKS.--Values furnished by Pathfinder Irrigation District

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	4182.0	11,020
Top of dead storage pool	4059.0	0

Date	Contents (Acre-feet)
December 31, 1988	449
January 31, 1989	283
February 28, 1989	0
March 31, 1989	0
April 30, 1989	4,380
May 31, 1989	8,920
June 30, 1989	9,280
July 31, 1989	6,330
August 31, 1989	4,380
September 30, 1989	1,690
October 31, 1989	0
November 30, 1989	0
December 31, 1989	0

MINATARE RESERVOIR from North Platte - 1989  
 LOCATION.--Sec. 32-23-53 W. near Scottsbluff  
 GAGE.--Staff gage  
 PERIOD OF RECORD.--1977 - present

REMARKS.--Values furnished by Pathfinder Irrigation District

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	4125.0	60,770
Top of dead storage pool	4075.0	300

Date	Contents (Acre-feet)
December 31, 1988	33,660
January 31, 1989	33,200
February 28, 1989	33,200
March 31, 1989	33,000
April 30, 1989	37,400
May 31, 1989	43,600
June 30, 1989	46,300
July 31, 1989	27,800
August 31, 1989	13,900
September 30, 1989	20,700
October 31, 1989	22,000
November 30, 1989	21,900
December 31, 1989	21,600

# N O R T H P L A T T E R I V E R B A S I N

MITCHELL & GERING CANAL from North Platte River - 1989

LOCATION.--SW1/4NE1/4 Sec. 10-23-60 W. near Henry

GAGE.--Continuous stage recorder and 15 ft. Parshall flume

PERIOD OF RECORD.--1916 - present

REMARKS.--Total headgate diversions for Mitchell and Gering District lands. Published values prior to 1985 were minus deliveries to Gering Canal and carriage losses.

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	106	286	288	267	169
2	0	106	288	282	265	169
3	0	107	335	281	266	168
4	106	108	360	280	259	168
5	143	108	358	280	255	167
6	145	109	359	280	245	167
7	145	109	358	280	232	168
8	145	109	344	280	229	167
9	146	106	323	280	224	51
10	208	106	327	289	223	0
11	229	109	323	298	160	0
12	220	114	319	299	136	0
13	198	114	320	292	38	0
14	142	113	324	293	0	0
15	139	113	324	285	0	0
16	137	114	321	266	0	0
17	133	114	309	265	0	0
18	123	114	297	263	124	0
19	121	164	299	263	170	0
20	121	251	301	264	170	0
21	117	290	312	262	171	0
22	117	285	317	261	171	0
23	120	285	319	262	168	0
24	115	285	318	261	170	0
25	115	287	316	270	170	0
26	104	295	315	276	170	0
27	105	254	310	276	170	0
28	105	233	308	277	169	0
29	105	234	307	276	168	0
30	102	268	308	272	168	0
31	104	-----	303	273	-----	0
TOTAL	3,810	5,110	9,908	8,574	4,958	1,394
MEAN	123	170	320	277	165	45.0
MAX	229	295	360	299	267	169
MIN	0	106	286	261	0	0
AC-FT	7,560	10,140	19,650	17,010	9,830	2,760

TOTAL 6 MONTHS.--AC-FT 66,950

# N O R T H P L A T T E R I V E R B A S I N

GERING CANAL from North Platte River via Mitchell and Gering Canal - 1989

LOCATION.--NE1/4SE1/4 Sec. 29-22-55 W. near Gering

GAGE.--Continuous stage recorder and 15 ft. Parshall flume

PERIOD OF RECORD.--1916 - present

REMARKS.--Values furnished by United States Bureau of Reclamation.  
Published values before 1985 were adjusted for carriage losses.

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	0	107	194	170	113
2	0	0	105	192	167	117
3	0	0	115	181	177	123
4	0	0	153	177	177	117
5	0	0	160	174	160	117
6	49	0	197	172	153	120
7	47	0	210	174	153	117
8	58	0	221	171	148	117
9	78	0	185	164	138	103
10	89	0	185	172	134	16
11	126	0	192	184	107	0
12	111	0	187	200	68	0
13	86	44	189	185	68	0
14	77	40	206	181	0	0
15	86	43	209	187	0	0
16	63	49	206	159	0	0
17	77	43	200	160	0	0
18	75	44	182	153	0	0
19	60	48	171	147	78	0
20	64	104	175	155	118	0
21	63	161	179	153	117	0
22	62	170	197	145	115	0
23	60	179	197	142	115	0
24	66	175	198	143	117	0
25	68	182	201	140	117	0
26	0	182	201	156	105	0
27	0	139	200	160	99	0
28	0	84	227	161	105	0
29	0	77	195	167	111	0
30	0	83	198	164	112	0
31	0	-----	198	168	-----	0
<b>TOTAL</b>	1,465	1,847	5,746	5,181	3,129	1,060
<b>MEAN</b>	47.3	61.6	185	167	104	34.2
<b>MAX</b>	126	182	227	200	177	123
<b>MIN</b>	0	0	105	140	0	0
<b>AC-FT</b>	2,910	3,660	11,400	10,280	6,210	2,100

**TOTAL 6 MONTHS AC-FT 36,560**

# N O R T H   P L A T T E   R I V E R   B A S I N

TRI-STATE CANAL from North Platte River - 1989

LOCATION.--NE1/4NE1/4 SEC. 10-23-58 W. Near Henry

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1916, 1919 - present

REMARKS.--Total diversion from North Platte River for both Farmers and  
and Northport Irrigation Districts. Deliveries to Northport  
District shown separately in this report.  
Published values prior to 1985 were minus Northport Canal uses.

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	233	170	895	988	938
2	0	235	164	976	992	947
3	0	282	161	1,100	989	941
4	0	310	166	1,140	986	941
5	0	275	168	1,160	1,000	931
6	0	272	156	1,170	1,010	887
7	0	269	157	1,230	1,020	803
8	0	302	193	1,260	1,010	791
9	0	330	295	1,250	1,010	701
10	0	311	346	1,250	1,000	620
11	0	404	363	1,250	1,010	600
12	0	548	364	1,240	1,010	598
13	0	577	388	1,240	994	543
14	0	556	459	1,240	993	509
15	0	556	469	1,230	988	514
16	0	469	518	1,230	976	519
17	0	385	603	1,210	933	525
18	0	306	768	1,180	970	524
19	0	258	862	1,190	969	515
20	0	243	960	1,180	975	351
21	0	235	1,120	1,140	968	129
22	0	226	1,190	1,020	954	0
23	0	219	1,160	1,020	959	0
24	0	217	1,140	1,020	964	0
25	0	211	1,080	1,020	970	0
26	0	218	1,060	1,020	971	0
27	156	242	851	1,020	968	0
28	245	229	681	1,020	964	0
29	245	196	736	1,020	947	0
30	239	184	821	1,010	944	0
31	-----	182	-----	1,010	943	-----
<b>TOTAL</b>	<b>885</b>	<b>9,480</b>	<b>17,569</b>	<b>34,941</b>	<b>30,375</b>	<b>13,827</b>
<b>MEAN</b>	<b>29.5</b>	<b>306</b>	<b>586</b>	<b>1,127</b>	<b>980</b>	<b>461</b>
<b>MAX</b>	<b>245</b>	<b>577</b>	<b>1,190</b>	<b>1,260</b>	<b>1,020</b>	<b>947</b>
<b>MIN</b>	<b>0</b>	<b>182</b>	<b>156</b>	<b>895</b>	<b>933</b>	<b>0</b>
<b>AC-FT</b>	<b>1,760</b>	<b>18,800</b>	<b>34,850</b>	<b>69,310</b>	<b>60,250</b>	<b>27,430</b>

TOTAL FOR 6 MONTHS      107,077

# N O R T H P L A T T E R I V E R B A S I N

TRI-STATE CANAL from Sheep Creek - 1989

LOCATION.--NE1/4NW1/4 Sec. 17-23-57 W. near Morrill

GAGE.--Continuous Stage Recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the United States Bureau of Reclamation.  
Data for years prior to 1986 available from the Bureau.

Day	May	Jun	Jul	Aug	Sep
1	0	54	49	69	71
2	52	54	49	79	73
3	53	55	49	69	75
4	53	54	49	65	75
5	54	53	49	66	75
6	54	57	48	66	72
7	55	57	42	67	85
8	55	54	42	67	84
9	56	54	43	69	90
10	54	53	45	70	92
11	55	53	46	80	92
12	69	51	45	84	91
13	65	51	45	82	91
14	59	51	49	77	90
15	61	51	50	76	90
16	61	51	51	75	87
17	61	51	51	74	85
18	57	50	52	72	86
19	56	50	54	72	83
20	57	49	55	72	80
21	59	49	56	71	83
22	59	49	54	65	83
23	58	50	53	63	82
24	57	50	55	62	82
25	54	51	58	65	6.0
26	54	51	58	66	0
27	53	51	57	69	0
28	54	53	61	71	0
29	53	50	62	70	0
30	54	49	65	72	0
31	56	-----	69	71	-----
<b>TOTAL</b>	1,698	1,556	1,611	2,196	2,003.0
<b>MEAN</b>	54.8	51.9	52.0	70.8	66.8
<b>MAX</b>	69	57	69	84	92
<b>MIN</b>	0	49	42	62	0
<b>AC-FT</b>	3,370	3,090	3,200	4,360	3,970

TOTAL 5 MONTHS.--AC-FT 17,990

## NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Akers Draw - 1989

LOCATION.--NE1/4SE1/4 Sec. 11-23-57 W. near Morrill

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the United States Bureau of Reclamation.  
Data for years prior to 1986 available from the Bureau.

Day	May	Jun	Jul	Aug	Sep
1	11	9.7	9.4	12	11
2	11	9.6	10	12	11
3	11	9.7	9.9	12	12
4	11	9.5	10	11	12
5	11	9.8	10	11	12
6	12	9.8	10	12	12
7	12	9.7	10	12	13
8	12	9.4	11	12	12
9	12	9.7	11	12	12
10	12	9.7	11	12	12
11	12	9.5	11	12	12
12	12	9.6	11	12	11
13	11	9.1	11	12	11
14	12	9.3	11	12	11
15	11	9.4	11	12	11
16	29	8.7	13	13	11
17	16	8.9	11	12	11
18	11	8.8	11	13	11
19	11	8.8	11	14	11
20	10	9.6	11	14	11
21	9.9	10	11	15	12
22	9.6	10	11	15	12
23	9.6	10	12	14	12
24	10	10	12	14	11
25	9.7	10	12	14	11
26	9.2	10	12	13	9.8
27	9.9	9.5	12	13	9.7
28	9.8	9.5	12	12	10
29	9.8	9.3	12	12	10
30	9.7	9.6	12	12	11
31	9.8	-----	12	11	-----
TOTAL	357.0	286.2	344.3	389	338.5
MEAN	11.5	9.54	11.1	12.5	11.3
MAX	29	10	13	15	13
MIN	9.2	8.7	9.4	11	9.7
AC-FT	708	568	683	772	671

TOTAL 5 MONTHS.--AC-FT 3,400



# N O R T H   P L A T T E   R I V E R   B A S I N

TRI-STATE CANAL from Dry Spottedtail Creek - 1989

LOCATION.--SW1/4SW1/4 Sec. 4-23-56 W. near Morrill

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the United States Bureau of Reclamation.  
Data for years prior to 1986 available from the Bureau.

Day	May	Jun	Jul	Aug	Sep
1	0	10	8.0	17	16
2	0	9.0	8.0	16	17
3	4.0	9.0	9.0	15	17
4	5.0	9.0	9.0	14	17
5	7.0	9.0	9.0	14	18
6	7.0	9.0	9.0	15	17
7	8.0	9.0	10	17	21
8	8.0	9.0	11	16	21
9	8.0	8.0	11	14	22
10	9.0	8.0	12	13	22
11	12	8.0	13	16	19
12	12	7.0	13	17	18
13	13	7.0	13	17	17
14	12	7.0	14	15	17
15	13	7.0	14	16	12
16	12	7.0	15	16	12
17	15	7.0	15	16	12
18	16	7.0	15	16	14
19	12	7.0	15	15	15
20	9.0	7.0	14	16	16
21	10	6.0	14	16	17
22	11	6.0	14	17	17
23	12	6.0	14	18	18
24	12	7.0	15	19	19
25	11	7.0	14	19	3.0
26	11	9.0	16	19	0
27	11	8.0	13	19	0
28	10	8.0	16	19	0
29	10	9.0	17	18	0
30	10	9.0	17	18	0
31	11	-----	17	16	-----
<b>TOTAL</b>	<b>301.0</b>	<b>235.0</b>	<b>404.0</b>	<b>509</b>	<b>414.0</b>
<b>MEAN</b>	<b>9.71</b>	<b>7.83</b>	<b>13.0</b>	<b>16.4</b>	<b>13.8</b>
<b>MAX</b>	<b>16</b>	<b>10</b>	<b>17</b>	<b>19</b>	<b>22</b>
<b>MIN</b>	<b>0</b>	<b>6.0</b>	<b>8.0</b>	<b>13</b>	<b>0</b>
<b>AC-FT</b>	<b>597</b>	<b>466</b>	<b>801</b>	<b>1,010</b>	<b>821</b>

TOTAL 5 MONTHS.--AC-FT            3,700

## NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Wet Spottedtail Creek - 1989

LOCATION.--NW1/4NE1/4 Sec. 10-23-56 W. near Morrill

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the United States Bureau of Reclamation.  
Data for years prior to 1986 available from the Bureau.

Day	May	Jun	Jul	Aug	Sep
1	11	11	4.0	10	17
2	11	11	4.0	11	17
3	12	11	4.0	11	16
4	11	12	4.0	10	16
5	11	12	4.0	10	16
6	12	12	4.0	10	18
7	11	12	4.0	11	22
8	11	12	4.0	11	19
9	13	12	4.0	11	22
10	13	12	5.0	11	25
11	14	12	5.0	14	21
12	16	12	5.0	14	21
13	14	12	5.0	13	21
14	14	11	6.0	13	21
15	16	11	6.0	14	21
16	13	11	7.0	14	20
17	16	11	7.0	16	20
18	14	11	7.0	15	20
19	13	11	7.0	15	22
20	14	11	7.0	12	22
21	15	10	6.0	12	25
22	15	8.0	7.0	12	23
23	15	6.0	6.0	13	23
24	14	6.0	7.0	13	24
25	13	5.0	7.0	13	23
26	12	6.0	7.0	14	23
27	12	7.0	7.0	14	23
28	11	6.0	11	13	22
29	10	5.0	9.0	14	21
30	11	5.0	8.0	15	22
31	12	-----	9.0	17	-----
TOTAL	400	294.0	187.0	396	626
MEAN	12.9	9.80	6.03	12.8	20.9
MAX	16	12	11	17	25
MIN	10	5.0	4.0	10	16
AC-FT	793	583	371	785	1,240

TOTAL 5 MONTHS.--AC-FT 3,770

# N O R T H P L A T T E R I V E R B A S I N

TRI-STATE CANAL from Tub Springs - 1989

LOCATION.--SW1/4SE1/4 Sec. 27-23-55 W. near Morrill

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the United States Bureau of Reclamation.  
Data for years prior to 1986 available from the Bureau.

Day	May	Jun	Jul	Aug	Sep
1	0	19	23	33	28
2	0	19	22	34	29
3	11	19	22	34	29
4	11	19	24	32	29
5	11	19	23	32	31
6	12	19	23	32	37
7	11	18	24	31	35
8	12	18	24	31	33
9	11	18	25	32	32
10	11	18	24	34	35
11	14	18	25	36	32
12	20	17	25	34	32
13	14	17	25	38	29
14	15	17	26	38	28
15	22	17	25	37	27
16	16	16	28	37	26
17	16	16	28	37	26
18	17	16	27	37	26
19	16	15	30	38	25
20	16	15	29	38	25
21	16	15	28	37	27
22	17	16	25	38	27
23	17	19	29	38	27
24	18	20	29	38	27
25	19	19	29	36	3.0
26	19	21	27	38	0
27	19	21	32	38	0
28	19	21	36	37	0
29	19	22	31	36	0
30	19	23	31	35	0
31	20	-----	32	30	-----
<b>TOTAL</b>	<b>458</b>	<b>547</b>	<b>831</b>	<b>1,096</b>	<b>705.0</b>
<b>MEAN</b>	<b>14.8</b>	<b>18.2</b>	<b>26.8</b>	<b>35.4</b>	<b>23.5</b>
<b>MAX</b>	<b>22</b>	<b>23</b>	<b>36</b>	<b>38</b>	<b>37</b>
<b>MIN</b>	<b>0</b>	<b>15</b>	<b>22</b>	<b>30</b>	<b>0</b>
<b>AC-FT</b>	<b>908</b>	<b>1,080</b>	<b>1,650</b>	<b>2,170</b>	<b>1,400</b>

TOTAL 5 MONTHS.--AC-FT            7,210

# N O R T H   P L A T T E   R I V E R   B A S I N

NORTEPORT CANAL from North Platte River via Tri-State Canal - 1989

LOCATION.--SW1/4SW1/4 Sec. 14-21-51 W. near Bayard

GAGE.--Continuous stage recorder and 10 ft. Parshall flume

PERIOD OF RECORD.--1920, 1922 - present

REMARKS.--Values provided by the United States Bureau of Reclamation.  
Published values prior to 1985 were adjusted by Tri-State  
Canal losses and contributions from drains.

Day	May	Jun	Jul	Aug	Sep
1	0	0	160	263	255
2	0	0	155	262	259
3	0	0	159	261	263
4	0	0	216	255	268
5	0	0	248	255	239
6	0	0	255	252	212
7	0	0	251	255	193
8	54	0	251	268	211
9	86	0	251	268	206
10	101	0	245	262	190
11	98	0	284	259	166
12	111	0	274	269	157
13	159	0	261	268	165
14	145	0	269	259	148
15	132	0	283	262	125
16	129	0	284	268	124
17	80	0	271	261	123
18	81	0	258	259	118
19	82	93	259	262	117
20	77	123	271	271	123
21	95	155	261	269	129
22	96	198	248	259	113
23	86	218	261	261	112
24	72	214	268	256	94
25	51	214	263	256	54
26	80	210	265	263	23
27	102	174	261	261	0
28	92	136	268	265	0
29	90	91	266	259	0
30	43	97	263	248	0
31	0	-----	265	253	-----
TOTAL	2,142	1,923	7,794	8,089	4,187
MEAN	69.1	64.1	251	261	140
MAX	159	218	284	271	268
MIN	0	0	155	248	0
AC-FT	4,250	3,810	15,460	16,040	8,300

TOTAL 5 MONTHS.--AC-FT      47,860

# N O R T H   P L A T T E   R I V E R   B A S I N

The following monthly summaries for Farmers and Northport Irrigation Districts do not represent actual gaged diversions but are values charged to each Irrigation District derived from gaged diversions, transportation loss adjustments and available water supplies from the North Platte River and drains.

## SUMMARY OF DIVERSIONS FOR FARMERS IRRIGATION DISTRICT - 1989 Values in Acre-feet

	Apr.	May	June	July	Aug.	Sep.	Totals
<hr style="border-top: 1px dashed black;"/>							
Diverted from:							
North Platte River	1,760	17,560	32,890	53,890	46,400	23,400	175,900
*Optional diversions	0	0	90	630	760	470	1,950
**Drains	0	1,540	3,530	0	0	0	5,070
Totals	1,760	19,100	36,510	54,520	47,160	23,870	182,920

\*Diversions from Alliance Drain are not into the main Tri-State Canal but diverted directly from the drain onto Farmers Irrigation District land.

\*\*Other drains are Akers Draw, Sheep Creek, Dry Spottedtail Creek, Wet Spottedtail Creek and Tub Springs. These drains are diverted into the Tri-State Canal.

## SUMMARY OF DIVERSIONS FOR NORTHPORT IRRIGATION DISTRICT - 1989 Values in Acre-feet

	May	June	July	Aug.	Sep.	Totals
<hr style="border-top: 1px dashed black;"/>						
Diverted from:						
North Platte River	1,240	1,960	15,420	13,850	4,030	36,500
*Drains	4,800	2,210	6,700	9,100	7,800	30,610
Totals	6,040	4,170	22,120	22,950	11,830	67,110

\*Water from drains includes runoff and return flow from the North Platte Project, Interstate division. This water is intercepted by the Tri-State Canal for delivery to Northport Irrigation District lands. Water diverted from the drains in excess of delivery charged to Northport is charged to Farmers Irrigation District. Drains are Akers Draw, Sheep Creek, Dry Spottedtail Creek, Wet Spottedtail Creek, and Tub Springs.

# N O R T H P L A T T E R I V E R B A S I N

NORTH PLATTE RIVER passing Tri-State Dam - 1989

LOCATION.--NW1/4NE1/4 Sec. 10-23-58 W. near Henry

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1947 - 1964, 1967 - present

Day	May	Jun	Jul	Aug	Sep		
1	1.2	.37	1.0	146	5.2		
2	1.0	.37	.90	144	18		
3	1.0	.34	1.1	120	33		
4	1.1	.32	1.0	35	19		
5	1.1	.24	45	17	11		
6	1.1	.23	51	52	1.2		
7	1.3	.22	60	98	96		
8	1.3	.28	105	112	65		
9	1.4	.35	110	108	74		
10	1.4	.53	93	94	125		
11	1.3	.54	107	93	51		
12	1.4	.40	100	198	27		
13	2.8	.40	114	140	137		
14	4.9	.40	173	140	131		
15	3.4	.40	163	112	62		
16	.45	.37	144	63	106		
17	.40	.40	127	45	195		
18	.43	.48	102	58	170		
19	.40	.56	94	54	125		
20	.40	.71	102	64	275		
21	.35	1.0	113	55	514		
22	.33	4.8	111	27	557		
23	.28	8.6	105	22	554		
24	.36	6.5	126	31	466		
25	.52	1.3	173	42	408		
26	.56	1.2	153	39	382		
27	.62	.93	107	35	370		
28	.66	.82	133	58	442		
29	.77	.77	136	42	374		
30	.55	.85	144	19	342		
31	.48	-----	135	9.7	-----		
<b>TOTAL</b>	<b>33.26</b>	<b>34.68</b>	<b>3,130.00</b>	<b>2,272.7</b>	<b>6,135.4</b>		
<b>MEAN</b>	<b>1.07</b>	<b>1.16</b>	<b>101</b>	<b>73.3</b>	<b>205</b>		
<b>MAX</b>	<b>4.9</b>	<b>8.6</b>	<b>173</b>	<b>198</b>	<b>557</b>		
<b>MIN</b>	<b>.28</b>	<b>.22</b>	<b>.90</b>	<b>9.7</b>	<b>1.2</b>		
<b>AC-FT</b>	<b>66</b>	<b>69</b>	<b>6,210</b>	<b>4,510</b>	<b>12,170</b>		
<b>TOTAL 5 MONTHS.--MEAN</b>	<b>75.9</b>	<b>MAX</b>	<b>557</b>	<b>MIN</b>	<b>.22</b>	<b>AC-FT</b>	<b>23,030</b>

# N O R T H P L A T T E R I V E R B A S I N

AKERS DRAW near Morrill - 1989

LOCATION.--NE1/4SE1/4 Sec. 11-23-57 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1972 - present

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1989, 117 cubic feet per second, gage height 4.15 feet.  
Minimum daily discharge, 8.7 cubic feet per second on June 19.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	11	10	11	11	11	9.7	9.4	12	11	11	11	11
2	11	11	11	12	11	9.6	10	12	11	10	11	11
3	11	11	11	11	10	9.7	9.9	12	12	12	11	11
4	11	11	11	11	11	9.5	10	11	12	11	11	11
5	11	11	12	11	11	9.8	10	11	12	11	11	11
6	11	11	12	11	11	9.8	10	12	12	12	10	11
7	11	11	12	11	11	9.7	10	12	13	12	9.9	12
8	11	11	12	11	11	9.7	11	12	12	12	10	12
9	11	11	11	11	11	9.8	11	12	12	12	10	12
10	11	11	12	11	11	10	11	12	12	12	11	11
11	11	9.9	11	11	11	10	11	12	12	12	11	11
12	11	10	11	11	11	10	11	12	11	12	11	11
13	11	10	11	11	11	9.7	11	12	11	12	11	11
14	10	10	10	12	12	9.6	11	12	11	12	11	11
15	10	9.8	10	12	11	9.7	11	12	11	12	11	11
16	11	9.9	10	12	28	9.1	13	13	11	12	12	11
17	11	10	10	12	15	9.1	11	12	11	11	11	11
18	11	10	10	12	10	9.0	11	13	11	11	11	11
19	11	10	10	12	10	8.7	11	14	11	11	11	11
20	10	9.8	10	11	9.8	9.5	11	14	11	11	11	11
21	10	10	11	11	9.5	10	11	15	12	11	11	11
22	10	10	12	11	9.4	10	11	15	12	11	11	10
23	10	10	12	11	9.6	10	12	14	12	11	11	11
24	11	10	12	11	10	10	12	14	11	11	11	10
25	11	9.7	12	11	9.7	10	12	14	11	11	10	11
26	10	9.9	12	11	9.3	10	12	13	9.8	11	10	11
27	10	10	12	11	9.9	9.5	12	13	9.7	11	10	10
28	10	11	12	11	9.8	9.5	12	12	10	11	10	10
29	10	-----	11	10	9.8	9.3	12	12	10	11	11	10
30	10	-----	11	10	9.7	9.6	12	12	11	11	11	10
31	10	-----	12	-----	9.8	-----	12	11	-----	11	-----	10
TOTAL	329	289.0	347	335	344.3	289.6	344.3	389	338.5	352	322.9	337
MEAN	10.6	10.3	11.2	11.2	11.0	9.65	11.1	12.5	11.3	11.4	10.8	10.9
MAX	11	11	12	12	28	10	13	15	13	12	12	12
MIN	10	9.7	10	10	9.3	8.7	9.4	11	9.7	10	9.9	10
AC-FT	653	573	688	664	679	574	683	772	671	698	640	668

TOTAL 12 MONTHS.--MEAN      11.0      MAX      28      MIN      8.7      AC-FT      7,970

# N O R T H   P L A T T E   R I V E R   B A S I N

ENTERPRISE CANAL from North Platte River - 1989

LOCATION.--NE1/4NW1/4 Sec. 27-23-57 W. near Morrill

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1919 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	50	58	84	100	94
2	0	31	56	82	97	94
3	0	36	55	81	95	97
4	0	44	55	81	90	94
5	0	44	53	82	89	92
6	0	47	53	90	93	89
7	0	49	52	93	97	91
8	0	52	54	101	98	86
9	0	67	53	102	97	80
10	0	74	54	98	95	70
11	0	72	53	95	94	62
12	0	70	50	91	105	61
13	0	69	48	91	105	61
14	0	71	47	94	99	60
15	0	72	49	91	97	62
16	0	70	56	90	92	65
17	0	68	57	90	89	66
18	0	63	58	90	90	66
19	0	60	62	89	98	65
20	46	60	67	94	99	64
21	73	60	74	95	100	62
22	74	61	95	94	98	63
23	74	60	123	95	97	62
24	73	60	105	97	97	62
25	74	58	96	101	100	63
26	70	59	112	98	100	62
27	65	64	103	93	98	61
28	65	64	90	96	99	64
29	65	62	91	97	99	36
30	64	62	85	99	97	0
31	-----	62	-----	99	94	-----
TOTAL	743	1,841	2,064	2,873	2,998	2,054
MEAN	24.8	59.4	68.8	92.7	96.7	68.5
MAX	74	74	123	102	105	97
MIN	0	31	47	81	89	0
AC-FT	1,470	3,650	4,090	5,700	5,950	4,070

TOTAL 6 MONTHS.--AC-FT      24,930



# NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Morrill Drain - 1989

LOCATION.--NE1/4SE1/4 Sec. 14-23-57 W. near Morrill

GAGE.--Staff gage

PERIOD OF RECORD.--1921 - 1923, 1931 - 1946, 1948 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	.90	.50	1.9	1.0	1.1	1.8
2	.90	.40	1.9	1.0	1.2	1.9
3	.80	.40	1.8	1.0	1.3	2.0
4	.80	.50	1.8	1.0	1.3	2.1
5	.80	.60	1.7	.90	1.4	2.2
6	.80	.70	1.7	.90	1.4	2.3
7	.80	.70	1.6	.90	1.5	2.4
8	.80	.80	1.6	.80	1.5	2.5
9	.80	.90	1.5	.80	1.6	2.5
10	.80	1.0	1.4	.80	1.6	2.4
11	.80	1.1	1.4	.80	1.5	2.4
12	.80	1.2	1.3	.70	1.5	2.4
13	.80	1.2	1.3	.70	1.5	2.3
14	.80	1.3	1.2	.70	1.4	2.3
15	.80	1.4	1.2	.70	1.4	2.3
16	.80	1.5	1.1	.70	1.4	2.2
17	.80	1.6	1.1	.70	1.4	2.2
18	.80	1.6	1.1	.70	1.3	2.2
19	.80	1.7	1.1	.70	1.3	2.1
20	.80	1.7	1.1	.80	1.3	2.1
21	.80	1.7	1.2	.80	1.2	2.1
22	.80	1.8	1.2	.80	1.2	2.0
23	.80	1.8	1.2	.80	1.2	2.0
24	.80	1.8	1.2	.80	1.1	2.0
25	.80	1.8	1.2	.80	1.1	2.0
26	.80	1.9	1.2	.80	1.2	1.9
27	.70	1.9	1.2	.90	1.3	1.9
28	.60	1.9	1.1	.90	1.4	1.8
29	.60	2.0	1.1	1.0	1.5	1.8
30	.50	2.0	1.1	1.0	1.6	1.8
31	-----	2.0	-----	1.1	1.7	-----
<b>TOTAL</b>	23.40	41.40	40.5	26.00	42.4	63.9
<b>MEAN</b>	.78	1.34	1.35	.84	1.37	2.13
<b>MAX</b>	.90	2.0	1.9	1.1	1.7	2.5
<b>MIN</b>	.50	.40	1.1	.70	1.1	1.8
<b>AC-FT</b>	46	82	80	52	84	127

TOTAL 6 MONTHS.--AC-FT            471

## NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Dry Spottedtail Creek - 1989

LOCATION.--NW1/4SW1/4 Sec. 21-23-56 W. near Mitchell

GAGE.--Staff gage

PERIOD OF RECORD.--1960 - 1969, 1985 - present

Day	Jun	Jul	Aug
1	0	7.0	5.8
2	0	6.9	5.1
3	0	6.8	5.3
4	0	6.8	5.3
5	0	6.8	5.3
6	0	6.8	5.3
7	0	6.8	5.3
8	0	6.8	5.3
9	0	7.2	5.3
10	0	7.6	5.3
11	0	7.7	5.2
12	0	7.6	5.4
13	0	8.0	5.5
14	0	8.6	5.6
15	0	8.7	5.8
16	0	10	5.8
17	0	14	6.0
18	0	7.8	10
19	0	9.5	10
20	0	9.5	6.0
21	0	10	4.3
22	0	10	3.9
23	6.6	10	3.9
24	6.4	10	3.5
25	6.3	9.9	4.8
26	6.2	10	3.5
27	6.6	10	4.0
28	6.6	9.2	4.8
29	6.2	9.2	5.2
30	6.1	8.0	3.1
31	-----	6.0	3.0
TOTAL	51.0	263.2	162.6
MEAN	1.70	8.49	5.25
MAX	6.6	14	10
MIN	0	6.0	3.0
AC-FT	101	522	323

TOTAL 3 MONTHS.--AC-FT 946

# NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Winters Creek - 1989

LOCATION.--NW1/4NE1/4 Sec. 17-22-54 W. near Scottsbluff

GAGE.--Staff gage

PERIOD OF RECORD.--1937 - 1943, 1969 - present

Day	May	Jun	Jul	Aug	Sep
1	.10	2.0	1.7	1.6	1.5
2	.20	0	1.8	1.6	1.2
3	.40	2.0	1.8	1.6	1.0
4	.50	2.0	1.8	1.6	.70
5	.60	2.1	1.9	1.7	.80
6	.70	2.1	1.9	1.7	.30
7	.80	2.1	2.0	1.8	0
8	1.0	2.1	2.0	1.8	0
9	1.1	2.1	2.1	1.9	0
10	1.2	2.0	2.1	1.9	0
11	1.4	2.0	2.2	1.9	0
12	1.5	2.0	2.2	1.9	0
13	1.6	2.0	2.3	1.9	0
14	1.6	1.9	2.2	1.8	0
15	1.7	1.9	2.2	1.8	0
16	1.8	2.0	2.1	1.8	0
17	1.9	2.0	2.0	1.8	0
18	2.0	2.1	1.9	1.8	0
19	2.0	2.1	1.9	1.8	0
20	2.0	2.2	1.8	1.8	0
21	2.0	2.2	1.8	1.9	0
22	1.9	2.3	1.8	1.9	0
23	1.9	2.2	1.8	1.9	0
24	1.9	2.1	1.7	1.9	0
25	1.9	2.0	1.7	1.9	0
26	1.9	2.0	1.7	1.8	0
27	1.9	1.9	1.7	1.8	0
28	1.9	1.8	1.7	1.8	0
29	2.0	1.7	1.7	1.8	0
30	2.0	1.7	1.7	1.7	0
31	2.0	-----	1.6	1.7	-----
<b>TOTAL</b>	45.40	58.6	58.8	55.6	5.50
<b>MEAN</b>	1.46	1.95	1.90	1.79	.18
<b>MAX</b>	2.0	2.3	2.3	1.9	1.5
<b>MIN</b>	.10	0	1.6	1.6	0
<b>AC-FT</b>	90	116	117	110	11

TOTAL 5 MONTHS.--AC-FT                    444

### SUMMARY OF DIVERSIONS FOR ENTERPRISE CANAL - 1989 Values in Acre-feet

	Apr.	May	June	July	Aug.	Sep.	Totals
<b>Diverted from:</b>							
North Platte River	1470	3650	4090	5700	5950	4070	24930
Morrill Drain	46	82	80	52	84	127	471
Dry Spottedtail Cr.	0	0	101	522	323	0	946
Winters Creek	0	90	116	117	110	11	444
<b>Totals</b>	1516	3732	4271	6274	6357	4197	26347

## NORTH PLATTE RIVER BASIN

DRY SPOTTEDTAIL CREEK at Mitchell - 1989

LOCATION.--SE1/4SE1/4 SEC. 20-23-56 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1948 - present

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1989, 194 cubic feet per second on May 16 at gage height 2.19 feet.  
Minimum daily discharge, 21 cubic feet per second on April 6.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	33	30	35	31	32	28	30	44	41	36	38	30
2	34	27	35	30	43	27	28	50	39	36	38	30
3	33	25	33	30	31	27	33	46	38	37	38	29
4	32	24	35	31	33	27	35	46	36	32	36	30
5	31	24	35	32	33	27	34	46	37	26	36	30
6	31	24	37	21	32	27	34	45	38	25	35	31
7	29	24	37	23	33	27	34	45	53	27	33	30
8	29	24	40	30	35	26	36	43	46	27	32	30
9	30	24	40	34	41	25	36	40	47	26	33	30
10	31	24	33	34	44	25	38	40	46	26	32	30
11	32	24	31	35	47	24	42	49	40	24	32	29
12	32	24	31	35	51	24	38	61	37	34	32	29
13	31	24	31	36	50	24	40	49	35	39	32	30
14	33	24	31	36	45	24	46	48	37	39	32	30
15	34	24	34	38	60	24	41	48	41	41	31	29
16	35	26	35	39	59	23	41	46	39	43	32	29
17	34	26	31	41	53	23	47	39	38	44	31	29
18	34	26	30	42	35	23	53	38	36	44	31	29
19	33	26	30	43	34	23	52	39	36	44	31	28
20	33	26	32	52	35	22	53	41	42	41	31	28
21	33	26	33	69	32	21	52	40	55	41	30	28
22	33	24	32	72	30	23	50	42	50	41	30	27
23	33	23	32	72	30	33	50	44	53	40	30	26
24	33	25	32	70	29	28	49	45	53	41	30	26
25	33	28	31	73	29	26	49	42	68	40	30	25
26	32	30	32	74	29	27	48	44	59	41	31	25
27	33	35	31	73	29	28	49	41	37	40	30	24
28	33	36	31	77	28	24	50	42	35	39	30	24
29	33	-----	31	49	28	25	47	41	50	39	30	24
30	33	-----	32	34	28	27	48	40	38	38	30	24
31	32	-----	31	-----	29	-----	45	41	-----	38	-----	24
TOTAL	1,005	727	1,024	1,356	1,147	762	1,328	1,365	1,300	1,129	967	867
MEAN	32.4	26.0	33.0	45.2	37.0	25.4	42.8	44.0	43.3	36.4	32.2	28.0
MAX	35	36	40	77	60	33	53	61	68	44	38	31
MIN	29	23	30	21	28	21	28	38	35	24	30	24
AC-FT	1,990	1,440	2,030	2,690	2,280	1,510	2,630	2,710	2,580	2,240	1,920	1,720

TOTAL 12 MONTHS.--MEAN 35.6 MAX 77 MIN 21 AC-FT 25,740

# NORTH PLATTE RIVER BASIN

TUB SPRINGS near Scottsbluff - 1989

LOCATION.--SW1/4SW1/4 Sec. 33-23-55 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1948 - present

REMARKS.--Published by United States Geological Survey from 1948 - 1979

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1610, June 21, 1952 on basis of slope-area measurement of peak flow caused by break in Interstate Canal, no gage height determined.  
Minimum daily discharge 0.70 cubic feet per second May 7, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 283 cubic feet per second on May 11, gage height 2.09 feet.  
Minimum daily discharge 17 cubic feet per second, July 8 - 13.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	41	35	31	26	70	40	24	37	37	46	43	37
2	40	33	31	25	39	37	24	40	39	48	43	37
3	41	33	32	25	31	35	24	34	41	48	42	37
4	41	34	32	25	44	36	23	32	43	47	42	37
5	42	35	32	25	35	36	19	30	42	47	41	36
6	42	35	32	25	32	34	18	30	45	47	41	36
7	42	35	31	25	23	33	18	31	59	48	39	36
8	42	35	32	25	21	29	17	29	70	47	37	36
9	41	34	34	26	24	27	17	28	78	45	37	36
10	41	34	34	27	28	28	17	29	77	47	37	36
11	41	33	32	26	64	28	17	40	67	47	38	35
12	41	33	32	26	58	28	17	38	64	46	38	36
13	40	34	31	25	62	28	17	46	61	45	38	35
14	40	34	29	25	78	30	19	49	59	45	38	35
15	39	34	29	25	87	26	20	49	58	44	39	35
16	39	33	28	24	70	21	27	44	59	45	39	35
17	38	33	28	25	74	22	31	49	59	45	39	34
18	37	33	28	24	65	21	28	48	60	44	41	34
19	37	33	29	24	55	21	28	51	61	44	41	34
20	37	32	29	24	53	21	27	50	59	45	39	35
21	37	32	28	25	53	20	26	48	64	43	36	35
22	37	32	28	25	49	23	26	38	64	43	35	34
23	37	32	28	25	41	26	27	35	64	45	35	34
24	37	32	28	25	41	25	27	32	64	47	36	34
25	36	32	28	25	46	23	29	31	84	46	36	34
26	36	32	26	25	44	28	27	32	101	46	36	34
27	36	32	26	26	41	31	28	32	93	47	36	34
28	35	31	26	26	45	23	38	33	86	46	36	34
29	35	-----	26	44	40	22	33	39	79	46	36	34
30	35	-----	26	85	39	24	33	38	48	45	36	33
31	35	-----	26	-----	41	-----	37	36	-----	43	-----	33
TOTAL	1,198	930	912	833	1,493	826	763	1,178	1,885	1,417	1,150	1,085
MEAN	38.6	33.2	29.4	27.8	48.2	27.5	24.6	38.0	62.8	45.7	38.3	35.0
MAX	42	35	34	85	87	40	38	51	101	48	43	37
MIN	35	31	26	24	21	20	17	28	37	43	35	33
AC-FT	2,380	1,840	1,810	1,650	2,960	1,640	1,510	2,340	3,740	2,810	2,280	2,150

TOTAL 12 MONTHS.--MEAN      37.5      MAX      101      MIN      17      AC-FT      27,110

# N O R T H   P L A T T E   R I V E R   B A S I N

WINTERS CREEK CANAL from North Platte River - 1989

LOCATION.--SE1/4SE1/4 Sec.17-22-55 W. near Scottsbluff

GAGE.--Continuous stage recorder and 8 ft. Parshall flume

PERIOD OF RECORD.--1916, 1918 - present

Day	May	Jun	Jul	Aug	Sep
1	0	17	31	30	33
2	0	16	31	30	34
3	0	18	33	30	36
4	3.5	18	33	30	36
5	21	18	33	30	36
6	17	17	34	31	35
7	13	16	35	31	36
8	8.0	15	36	33	31
9	18	14	38	32	30
10	25	15	38	32	30
11	24	14	37	31	27
12	23	15	36	29	26
13	19	18	36	31	29
14	21	19	36	31	29
15	22	17	33	30	28
16	23	15	33	31	31
17	22	19	32	31	34
18	22	20	30	32	27
19	22	22	30	34	26
20	21	35	30	33	27
21	21	36	30	33	31
22	12	37	30	32	29
23	4.9	42	30	33	26
24	15	41	30	34	26
25	18	38	29	34	27
26	17	36	29	33	29
27	18	39	28	33	27
28	18	37	30	33	11
29	18	35	30	34	0
30	17	33	30	34	0
31	17	-----	30	33	-----
<b>TOTAL</b>	500.4	732	1,001	988	827
<b>MEAN</b>	16.1	24.4	32.3	31.9	27.6
<b>MAX</b>	25	42	38	34	36
<b>MIN</b>	0	14	28	29	0
<b>AC-FT</b>	993	1,450	1,990	1,960	1,640

TOTAL 5 MONTHS.--AC-FT      8,030

# N O R T H P L A T T E R I V E R B A S I N

WINTERS CREEK CANAL from Winters Creek - 1989

LOCATION.--SW1/4NE1/4 SEC. 19-22-54 W. near Scottsbluff

GAGE.--Continuous stage recorder and 8 ft. Parshall flume

PERIOD OF RECORD.--1919 - present

Day	May	Jun	Jul	Aug	Sep
1	0	25	38	44	43
2	0	26	34	46	48
3	0	24	33	46	49
4	24	23	34	46	49
5	21	24	33	48	48
6	23	22	33	49	47
7	20	22	34	49	46
8	22	21	35	47	45
9	22	22	35	47	46
10	31	22	36	46	45
11	30	22	37	32	42
12	.90	23	37	1.4	39
13	.71	29	39	1.2	38
14	.65	35	46	24	39
15	.56	35	44	32	36
16	24	31	45	35	27
17	33	31	44	39	27
18	26	25	39	37	28
19	25	24	39	40	28
20	25	26	40	43	27
21	23	27	40	43	27
22	24	31	40	42	24
23	27	36	40	41	21
24	26	37	41	44	21
25	25	27	41	46	20
26	25	1.3	42	46	19
27	26	1.2	43	45	19
28	26	23	44	48	5.9
29	25	30	47	46	0
30	24	35	47	43	0
31	27	-----	46	42	-----
<b>TOTAL</b>	606.82	760.5	1,226	1,238.6	953.9
<b>MEAN</b>	19.6	25.4	39.5	40.0	31.8
<b>MAX</b>	33	37	47	49	49
<b>MIN</b>	0	1.2	33	1.2	0
<b>AC-FT</b>	1,200	1,510	2,430	2,460	1,890

TOTAL 5 MONTHS.--AC-FT      9,490

## NORTH PLATTE RIVER BASIN

CENTRAL CANAL from North Platte River - 1989

LOCATION.--NW1/4NW1/4 Sec. 36-22-55 W. near Gering

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1919 - present

Day	May	Jun	Jul	Aug	Sep
1	0	13	14	32	24
2	0	12	17	31	25
3	0	12	20	31	26
4	0	12	23	30	28
5	0	13	24	30	27
6	0	13	25	30	25
7	0	13	25	30	27
8	0	12	26	30	24
9	0	10	26	30	21
10	0	8.5	27	29	21
11	0	13	27	24	13
12	0	13	30	9.4	12
13	0	11	30	9.6	11
14	0	9.9	31	19	8.5
15	0	9.8	31	18	5.3
16	0	8.2	31	19	2.6
17	0	10	31	20	5.8
18	0	15	31	22	7.3
19	0	17	31	25	5.0
20	.16	21	30	27	0
21	12	23	31	26	0
22	14	23	31	26	0
23	14	25	32	27	0
24	18	26	32	27	0
25	17	19	33	25	0
26	17	8.3	34	25	0
27	19	5.4	34	26	0
28	18	6.6	33	25	0
29	16	8.7	32	26	0
30	14	11	32	25	0
31	15	-----	32	24	-----
TOTAL	174.16	402.4	886	778.0	318.5
MEAN	5.62	13.4	28.6	25.1	10.6
MAX	19	26	34	32	28
MIN	0	5.4	14	9.4	0
AC-FT	345	798	1,760	1,540	632

TOTAL 5 MONTHS.--AC-FT 5,080



# NORTH PLATTE RIVER BASIN

WINTERS CREEK near Scottsbluff - 1989

LOCATION.--NW1/4SE1/4 Sec. 30-22-54 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,160 cubic feet per second, June 21, 1977, gage height 8.07.  
 Maximum gage height 9.34 feet, present datum, January 7, 1949, backwater from snowdrifts.  
 Minimum daily discharge, 0.9 cubic feet per second, July 5, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1989, 180 cubic feet per second on August 11, gage height 3.56 feet.  
 Minimum daily discharge, 16 cubic feet per second, June 19.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	47	37	36	44	41	36	21	29	36	64	54	44
2	46	37	37	43	40	33	19	33	42	64	53	44
3	46	38	44	43	44	31	19	33	46	63	51	44
4	45	38	47	43	27	32	18	24	48	63	51	44
5	45	38	46	44	23	33	18	22	49	62	50	44
6	45	38	46	44	28	31	19	23	49	62	49	44
7	44	38	45	43	21	30	20	29	59	62	49	44
8	44	37	47	44	20	28	20	30	63	60	49	44
9	41	38	47	44	17	28	21	31	69	60	48	44
10	41	37	47	43	19	30	22	35	73	61	48	44
11	40	37	47	43	27	31	22	54	69	61	48	43
12	40	37	47	43	72	32	24	90	66	60	48	44
13	39	37	47	43	62	27	24	92	66	60	48	44
14	39	37	45	42	62	24	27	67	65	59	48	44
15	39	36	45	42	74	23	24	62	70	59	47	44
16	40	36	45	42	35	19	27	56	72	60	47	45
17	40	36	43	42	29	19	28	55	72	60	48	46
18	40	36	43	42	31	17	25	53	74	59	48	47
19	39	36	44	41	28	16	24	50	72	59	47	47
20	39	36	44	40	29	18	23	49	70	59	47	48
21	39	35	44	40	31	17	22	49	71	57	47	49
22	39	35	44	40	29	18	22	44	76	57	49	49
23	39	35	45	40	22	18	21	43	75	56	46	49
24	40	35	44	40	26	19	21	37	77	56	47	49
25	40	36	44	40	34	35	21	34	75	56	46	48
26	39	37	44	40	32	77	22	43	73	57	46	47
27	39	36	44	41	35	76	23	49	73	56	46	47
28	39	36	44	41	35	39	32	51	77	55	45	47
29	38	-----	44	41	35	34	27	51	78	55	45	47
30	38	-----	44	41	35	24	32	46	66	55	45	46
31	37	-----	44	-----	38	-----	32	40	-----	54	-----	46
TOTAL	1,266	1,025	1,377	1,259	1,081	895	720	1,404	1,971	1,831	1,440	1,416
MEAN	40.8	36.6	44.4	42.0	34.9	29.8	23.2	45.3	65.7	59.1	48.0	45.7
MAX	47	38	47	44	74	77	32	92	78	64	54	49
MIN	37	35	36	40	17	16	18	22	36	54	45	43
AC-FT	2,510	2,030	2,730	2,500	2,140	1,780	1,430	2,780	3,910	3,630	2,860	2,810

TOTAL 12 MONTHS.--MEAN      43.0      MAX      92      MIN      16      AC-FT      31,110

## NORTH PLATTE RIVER BASIN

CASTLE ROCK - STEAMBOAT CANAL from North Platte River - 1989

LOCATION.--NE1/4SE1/4 Sec. 14-21-54 W. near Melbeta

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1918 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	61	89	90	79	33
2	0	59	87	89	80	0
3	0	57	86	86	81	0
4	0	56	84	83	78	0
5	0	56	85	91	78	0
6	0	55	85	88	75	0
7	23	54	83	89	72	0
8	37	53	86	88	77	0
9	41	53	85	88	71	0
10	48	51	86	89	62	0
11	53	49	88	86	61	0
12	57	44	87	77	59	0
13	52	45	85	79	52	0
14	50	57	89	78	48	0
15	51	57	86	76	50	0
16	48	62	85	72	59	0
17	47	65	87	74	60	0
18	59	62	85	74	64	0
19	60	69	85	76	67	0
20	58	19	87	82	67	0
21	33	61	85	80	67	0
22	60	81	83	80	69	0
23	57	92	84	79	66	0
24	52	91	84	77	66	0
25	55	84	85	77	66	0
26	57	54	86	84	66	0
27	58	63	87	88	67	0
28	59	64	85	83	67	0
29	57	70	84	81	68	0
30	57	71	84	81	67	0
31	61	-----	84	79	-----	0
TOTAL	1,290	1,815	2,651	2,544	2,009	33
MEAN	41.6	60.5	85.5	82.1	67.0	1.06
MAX	61	92	89	91	81	33
MIN	0	19	83	72	48	0
AC-FT	2,560	3,600	5,260	5,050	3,980	65

TOTAL 6 MONTHS.--AC-FT 20,520

# N O R T H P L A T T E R I V E R B A S I N

MINATARE CANAL from North Platte River - 1989

LOCATION.--NW1/4SW1/4 Sec. 33-22-54 W. near Scottsbluff

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1919 - present

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	30	65	77	105	76	35
2	0	34	65	75	105	75	34
3	0	34	63	79	101	76	33
4	0	33	63	83	102	76	33
5	0	34	65	82	102	71	33
6	0	35	64	84	102	67	33
7	0	34	63	92	103	72	33
8	0	39	61	103	105	71	32
9	0	46	61	105	103	66	32
10	0	55	63	108	104	64	32
11	0	62	63	91	106	57	32
12	0	63	62	81	99	53	34
13	0	62	57	81	103	49	32
14	0	65	60	83	97	42	16
15	0	71	64	85	85	31	2.5
16	0	71	64	86	77	15	0
17	0	76	62	86	69	6.2	0
18	0	70	60	88	68	.28	0
19	0	64	67	86	68	0	0
20	0	61	75	86	65	0	0
21	0	60	76	93	66	27	0
22	0	62	76	104	74	32	0
23	4.6	62	91	105	70	27	0
24	6.7	59	104	104	76	27	0
25	32	59	103	103	83	20	0
26	40	59	79	101	81	27	0
27	36	64	80	102	79	33	0
28	35	66	76	103	78	33	0
29	34	64	73	108	79	36	0
30	28	63	79	110	78	35	0
31	-----	64	-----	107	76	-----	0
TOTAL	216.3	1,721	2,104	2,881	2,709	1,264.48	446.5
MEAN	7.21	55.5	70.1	92.9	87.4	42.1	14.4
MAX	40	76	104	110	106	76	35
MIN	0	30	57	75	65	0	0
AC-FT	429	3,410	4,170	5,710	5,370	2,510	886

TOTAL 7 MONTHS.--AC-FT      22,490

## NORTH PLATTE RIVER BASIN

MELBETA DRAIN near Melbeta - 1989

LOCATION.--SE1/4SW1/4 Sec. 13-21-54 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1922 - present

Day	May	Jun	Jul	Aug	Sep
1	2.1	0	11	15	5.6
2	2.1	.60	11	12	5.0
3	2.1	.60	11	12	4.4
4	2.1	.60	7.7	6.4	7.0
5	2.1	.60	4.4	4.7	9.5
6	2.1	.60	3.4	3.0	5.0
7	2.1	1.2	7.4	3.0	5.0
8	2.1	.60	6.4	6.4	6.8
9	10	1.2	3.0	1.6	20
10	19	1.2	.40	5.4	22
11	16	1.2	1.2	5.0	23
12	32	1.2	12	22	24
13	24	1.2	8.0	17	4.0
14	30	2.4	6.8	12	2.2
15	35	13	9.8	15	2.2
16	5.8	8.5	12	12	2.2
17	14	13	15	8.3	1.1
18	5.2	6.7	10	12	0
19	6.6	.40	10	9.5	0
20	14	.40	5.4	11	0
21	14	5.4	6.4	12	26
22	15	3.2	7.4	3.2	24
23	21	12	8.6	0	18
24	9.0	18	9.8	0	18
25	20	28	18	0	19
26	20	38	18	0	15
27	9.5	27	15	1.3	13
28	4.0	32	15	2.6	13
29	3.0	23	17	5.6	10
30	2.0	9.5	15	3.6	7.6
31	1.0	-----	13	1.6	-----
TOTAL	346.9	251.30	299.10	223.2	312.6
MEAN	11.2	8.38	9.65	7.20	10.4
MAX	35	38	18	22	26
MIN	1.0	0	.40	0	0
AC-FT	688	498	593	443	620

TOTAL FOR 5 MONTHS AC-FT 2,840

# N O R T H   P L A T T E   R I V E R   B A S I N

NINE MILE CANAL from North Platte River - 1989

LOCATION.--SW1/4SW1/4 SEC. 16-21-53 W. near Minatare

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1918 - 1919, 1921 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	55	57	61	30	29
2	0	51	51	60	31	29
3	0	49	51	58	31	29
4	0	47	51	58	28	29
5	0	47	52	62	25	29
6	0	48	51	62	24	28
7	0	49	51	63	25	28
8	0	57	49	62	26	30
9	0	59	47	63	26	34
10	0	65	47	32	27	33
11	0	78	46	0	30	21
12	0	104	44	0	33	19
13	0	89	41	0	32	18
14	0	85	35	0	30	19
15	0	101	29	0	28	17
16	0	86	24	0	27	15
17	0	85	20	0	24	16
18	0	75	16	0	24	17
19	0	59	15	0	23	18
20	4.4	55	24	0	24	19
21	.53	54	61	7.1	24	20
22	0	55	64	22	24	19
23	0	60	95	25	23	18
24	0	61	146	30	22	16
25	0	62	142	27	22	15
26	29	62	164	29	21	7.6
27	48	66	66	29	23	0
28	53	67	63	31	28	0
29	54	63	61	30	28	0
30	55	60	62	30	29	0
31	-----	60	-----	31	30	-----
<b>TOTAL</b>	243.93	2,014	1,725	872.1	822	572.6
<b>MEAN</b>	8.13	65.0	57.5	28.1	26.5	19.1
<b>MAX</b>	55	104	164	63	33	34
<b>MIN</b>	0	47	15	0	21	0
<b>AC-FT</b>	484	3,990	3,420	1,730	1,630	1,140

TOTAL 6 MONTHS.--AC-FT      12,390

# N O R T H   P L A T T E   R I V E R   B A S I N

NINE MILE CANAL from Ninemile Creek - 1989

LOCATION.--SE1/4SW1/4 SEC. 10-21-53 W. near Minatare

GAGE.--Staff gage

PERIOD OF RECORD.--1988 - present

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	17	26	33	48	45	42
2	0	20	23	33	44	45	40
3	0	23	20	33	47	45	30
4	0	23	22	38	53	43	20
5	0	22	25	42	50	41	10
6	0	19	24	42	47	39	5.0
7	0	19	24	42	55	39	0
8	0	18	24	44	55	39	0
9	0	18	24	50	56	42	0
10	0	16	24	55	54	45	0
11	0	21	24	35	52	45	0
12	0	37	24	37	54	42	0
13	0	35	29	54	54	40	0
14	0	41	32	54	55	44	0
15	0	48	33	52	54	43	0
16	0	44	47	54	54	46	0
17	0	40	44	56	51	45	0
18	0	34	34	54	53	44	0
19	0	24	24	48	49	40	0
20	0	23	21	54	47	40	0
21	0	22	32	56	46	40	0
22	0	21	27	54	44	40	0
23	0	20	31	56	44	39	0
24	0	21	35	57	44	40	0
25	0	22	34	55	48	40	0
26	0	24	33	60	45	39	0
27	6.2	24	33	55	45	42	0
28	8.9	26	37	51	45	42	0
29	12	27	27	50	49	42	0
30	14	22	34	49	48	43	0
31	-----	19	-----	48	51	-----	0
TOTAL	41.1	790	871	1,501	1,541	1,259	147.0
MEAN	1.37	25.5	29.0	48.4	49.7	42.0	4.74
MAX	14	48	47	60	56	46	42
MIN	0	16	20	33	44	39	0
AC-FT	82	1,570	1,730	2,980	3,060	2,500	292

TOTAL 7 MONTHS.--AC-FT    12,200

# NORTH PLATTE RIVER BASIN

NINE MILE CREEK near McGrew - 1989

LOCATION.--SE1/4SE1/4 Sec. 23-21-53 W.

PERIOD OF RECORD.--1932 - present

GAGE.--Continuous stage recorder

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1470 cubic feet per second, May 24, 1987, gage height 6.69 feet.  
Minimum daily discharge 38 cubic feet per second, June 25 - 26, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 235 cubic feet per second, June 25, 1989, gage height 2.98  
Minimum daily discharge 44 cubic feet per second, May 5, 1989.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	84	85	73	69	74	97	112	117	140	131	104	87
2	83	85	73	69	57	82	113	119	140	131	104	88
3	84	85	71	67	50	87	111	113	149	128	105	88
4	83	84	72	66	46	96	108	105	154	128	104	88
5	83	83	72	66	44	98	109	100	156	127	102	87
6	84	82	72	66	47	95	97	101	154	126	103	87
7	81	81	73	65	52	93	89	111	153	123	101	86
8	81	81	75	65	54	96	85	115	166	121	100	85
9	83	81	77	65	52	93	76	111	182	119	100	86
10	84	80	76	65	54	100	68	112	205	117	100	85
11	83	80	74	63	63	102	58	113	193	115	100	83
12	82	79	74	63	111	101	65	129	199	114	99	82
13	83	79	74	63	139	98	62	127	193	113	98	82
14	83	79	69	62	198	92	59	125	188	111	97	82
15	83	79	70	62	208	83	66	129	182	110	95	80
16	83	79	70	62	193	67	79	132	178	110	95	80
17	84	77	69	61	185	62	84	132	174	110	95	79
18	84	78	71	60	136	50	80	135	170	109	94	80
19	85	78	72	60	130	45	83	137	162	108	95	78
20	85	77	71	61	122	45	87	143	160	109	94	77
21	86	76	71	60	115	67	86	136	160	109	93	76
22	87	76	71	59	112	71	92	125	158	108	90	76
23	86	76	72	59	111	83	87	119	144	107	90	76
24	87	76	71	58	108	95	85	117	138	107	90	76
25	86	76	70	58	106	128	90	121	127	107	90	77
26	85	76	70	67	106	162	105	126	122	109	90	77
27	87	75	69	78	99	130	113	131	118	109	89	78
28	87	74	69	79	91	121	110	132	115	108	90	78
29	87	-----	69	77	86	113	113	128	112	107	89	78
30	87	-----	70	78	90	112	121	127	126	106	88	75
31	89	-----	70	-----	111	-----	121	134	-----	106	-----	74
TOTAL	2,619	2,217	2,220	1,953	3,150	2,764	2,814	3,802	4,718	3,543	2,884	2,511
MEAN	84.5	79.2	71.6	65.1	102	92.1	90.8	123	157	114	96.1	81.0
MAX	89	85	77	79	208	162	121	143	205	131	105	88
MIN	81	74	69	58	44	45	58	100	112	106	88	74
AC-FT	5,190	4,400	4,400	3,870	6,250	5,480	5,580	7,540	9,360	7,030	5,720	4,980
TOTAL 12 MONTHS.--MEAN		96.4	MAX	208	MIN	44	AC-FT	69,810				

# N O R T H P L A T T E R I V E R B A S I N

SHORT LINE CANAL from North Platte River - 1989

LOCATION.--NW1/4SE1/4 Sec. 25-21-53 W. near McGrew

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1920 - present

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	24	17	20	16	20	18
2	0	22	21	21	18	21	18
3	0	27	22	20	21	22	18
4	0	25	23	21	24	22	18
5	0	24	26	28	22	21	18
6	0	24	24	32	22	21	18
7	0	26	24	37	25	21	18
8	0	26	25	35	26	22	17
9	0	26	25	32	25	25	17
10	0	27	27	20	25	22	17
11	0	32	28	0	26	19	33
12	0	37	29	0	30	17	36
13	0	29	27	0	29	7.2	22
14	0	39	25	0	24	6.5	19
15	6.7	27	22	1.4	26	5.9	19
16	15	21	20	2.1	27	5.7	19
17	13	21	29	2.1	27	5.4	19
18	7.5	24	23	4.1	27	5.3	19
19	13	18	23	10	27	5.2	18
20	21	18	23	16	24	5.1	18
21	22	12	35	16	19	5.1	18
22	19	17	29	17	18	8.6	18
23	19	21	34	22	19	11	18
24	21	23	29	20	18	10	17
25	20	24	32	16	18	15	17
26	21	25	20	16	19	17	17
27	20	26	14	17	19	17	8.0
28	20	24	18	16	20	16	0
29	23	25	20	16	20	16	0
30	25	28	20	17	19	17	0
31	-----	24	-----	15	20	-----	0
TOTAL	286.2	766	734	489.7	700	432.0	512.0
MEAN	9.54	24.7	24.5	15.8	22.6	14.4	16.5
MAX	25	39	35	37	30	25	36
MIN	0	12	14	0	16	5.1	0
AC-FT	568	1,520	1,460	971	1,390	857	1,020

TOTAL 7 MONTHS.--AC-FT      7,790



# N O R T H   P L A T T E   R I V E R   B A S I N

CHIMNEY ROCK CANAL from North Platte River - 1989

LOCATION.--NE1/4SE1/4 Sec. 1-20-53 W. near Bayard

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916 - present

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	23	35	56	77	55	35
2	0	24	34	55	78	55	13
3	0	27	30	60	78	58	0
4	0	28	33	60	76	59	0
5	0	23	45	59	76	58	0
6	0	30	45	58	64	58	0
7	0	28	46	60	61	59	0
8	0	32	45	59	65	61	0
9	0	45	44	68	70	59	0
10	0	49	34	83	82	51	0
11	0	58	33	88	83	40	0
12	0	51	29	81	64	34	0
13	0	41	33	76	51	35	0
14	0	52	32	80	58	35	0
15	0	54	30	82	60	25	0
16	0	46	35	81	58	19	0
17	0	50	48	82	57	18	0
18	0	52	48	82	57	18	0
19	0	53	37	83	53	42	0
20	0	51	50	83	45	33	0
21	0	45	56	83	51	31	0
22	1.5	39	58	80	54	32	0
23	6.5	44	59	79	64	33	0
24	9.2	47	64	79	64	34	0
25	11	46	60	76	62	34	0
26	11	47	54	79	59	35	0
27	18	46	54	79	58	36	0
28	24	45	58	80	57	36	0
29	27	38	51	79	56	35	0
30	23	28	49	79	56	35	0
31	-----	35	-----	77	56	-----	0
<b>TOTAL</b>	131.2	1,277	1,329	2,306	1,950	1,213	48
<b>MEAN</b>	4.37	41.2	44.3	74.4	62.9	40.4	1.55
<b>MAX</b>	27	58	64	88	83	61	35
<b>MIN</b>	0	23	29	55	45	18	0
<b>AC-FT</b>	260	2,530	2,640	4,570	3,870	2,410	95

TOTAL 7 MONTHS.--AC-FT      16,380

## N O R T H P L A T T E R I V E R B A S I N

CLEVELAND DRAIN near Bayard - 1989

LOCATION.--SW1/4SW1/4 Sec. 6-20-52 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1930 - present

Day	May	Jun	Jul	Aug	Sep		
1	.60	23	5.5	3.0	11		
2	.60	20	5.8	2.6	12		
3	.70	7.9	6.1	2.6	14		
4	.70	9.0	5.5	3.0	13		
5	.70	10	4.9	3.2	12		
6	.80	12	4.8	3.5	20		
7	.80	10	3.8	5.0	8.2		
8	.90	10	3.3	4.1	8.0		
9	.90	13	2.8	4.4	10		
10	.90	11	2.3	5.0	12		
11	1.0	12	3.8	4.0	15		
12	1.0	12	6.3	12	14		
13	1.2	17	6.8	10	14		
14	4.9	14	18	8.8	10		
15	11	13	22	11	9.2		
16	6.6	8.2	19	12	8.1		
17	6.4	5.1	16	13	8.6		
18	6.0	6.8	9.5	13	9.2		
19	13	8.6	10	14	8.8		
20	11	5.7	8.6	14	7.9		
21	14	3.2	6.5	14	7.5		
22	18	5.0	6.0	7.5	7.6		
23	25	6.6	5.3	5.4	7.9		
24	25	8.4	4.6	6.9	7.8		
25	13	7.4	7.0	8.8	7.6		
26	13	6.3	7.6	7.5	5.0		
27	8.2	7.5	3.0	11	5.0		
28	11	6.7	3.0	15	5.0		
29	16	6.1	3.0	15	6.4		
30	13	6.1	3.0	15	9.4		
31	21	-----	5.3	11	-----		
TOTAL	246.90	291.6	219.1	265.3	294.2		
MEAN	7.96	9.72	7.07	8.56	9.81		
MAX	25	23	22	15	20		
MIN	.60	3.2	2.3	2.6	5.0		
AC-FT	490	578	435	526	584		
TOTAL 5 MONTHS.--MEAN	8.61	MAX	25	MIN	.60	AC-FT	2,610

# NORTH PLATTE RIVER BASIN

BAYARD SUGAR FACTORY DRAIN near Bayard - 1989

LOCATION.--SE1/4NE1/4 Sec. 5-20-52 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 391 cubic feet per second on July 3, 1956, gage height 4.32 feet.  
 No flow June 1, 2, July 4 - 8, 1934, May 16, 17, 1936, August 8, 9, 1960, April 29, 30,  
 May 4, 5, 1962, May 23 - 31, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1989, 211 cubic feet per second on June 26, gage height 2.97 feet.  
 Minimum daily discharge, 1.8 cubic feet per second on April 20.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	24	19	20	20	12	11	17	26	19	33	21	22
2	23	18	19	20	31	9.6	13	28	16	29	21	22
3	23	19	18	19	6.6	10	12	26	17	26	21	22
4	21	19	18E	9.5	6.4	8.9	13	28	19	22	20	23
5	21	19	19E	6.1	3.6	6.8	11	27	21	27	20	22
6	21	19	19	5.4	4.6	5.8	7.8	26	21	28	20	22
7	21	19	19	4.8	3.9	5.5	7.0	27	22	27	20	22
8	20	19	19E	4.8	7.2	6.7	5.4	29	28	27	21	21
9	21	20	20E	4.9	8.3	6.7	3.1	30	32	26	23	22
10	22	20	20E	4.7	7.9	8.1	5.6	39	45	26	25	21
11	22	20	20	4.2	8.4	8.6	35	36	40	25	28	20
12	21	21	20	3.3	17	7.5	42	44	41	27	25	20
13	21	21	19	2.7	25	7.3	34	49	43	29	22	20
14	21	21	17	2.4	29	6.5	24	48	38	31	21	20
15	21	21	17	2.4	38	6.1	22	47	33	34	21	20
16	21	21	17	4.1	32	5.2	19	45	27	36	21	20
17	21	20	16	5.9	30	4.9	26	43	25	36	21	20
18	21	21	17	5.0	22	5.3	27	38	23	36	21	20
19	21	21	20	3.8	15	5.5	22	40	22	36	21	19
20	21	21	22	1.8	12	4.7	23	42	22	37	21	20
21	22	21	22	1.9	14	5.0	25	38	41	36	21	19
22	22	21	22	2.0	14	10	24	33	49	36	21	17
23	22	20	21	2.3	14	14	22	35	36	34	21	19
24	21	20	22	2.2	17	14	23	34	34	36	22	20
25	21	21	21	2.3	15	50	25	28	34	34	22	19
26	21	21	21	2.3	9.6	182	29	29	36	35	22	20
27	21	20	21	10	9.8	105	30	25	41	34	21	19
28	22	20	20	9.3	10	37	31	23	47	25	21	20
29	21	-----	20	6.3	12	20	26	20	48	22	22	20
30	21	-----	21	7.1	11	19	26	21	44	21	22	20
31	21	-----	21	-----	14	-----	28	20	-----	21	-----	19
TOTAL	663	563	608	180.5	460.3	596.7	657.9	1,024	964	932	649	630
MEAN	21.4	20.1	19.6	6.02	14.8	19.9	21.2	33.0	32.1	30.1	21.6	20.3
MAX	24	21	22	20	38	182	42	49	49	37	28	23
MIN	20	18	16	1.8	3.6	4.7	3.1	20	16	21	20	17
AC-FT	1,320	1,120	1,210	358	913	1,180	1,300	2,030	1,910	1,850	1,290	1,250

TOTAL 12 MONTHS.--MEAN      21.7      MAX      182      MIN      1.8      AC-FT      15,730

# N O R T H P L A T T E R I V E R B A S I N

ALLIANCE CANAL from Bayard Sugar Factory Drain - 1989

LOCATION.--NW1/4SW1/4 Sec. 4-20-52 W. near Bayard

GAGE.--Continuous stage recorder and metal flume

PERIOD OF RECORD.--1924 - 1926, 1928 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	21	28	27	9.3	22
2	0	0	26	24	11	20
3	0	19	27	23	10	21
4	8.2	25	25	25	13	22
5	14	22	25	25	12	23
6	14	24	24	27	12	23
7	14	22	24	27	13	23
8	17	26	26	26	15	26
9	22	27	26	28	18	28
10	22	26	27	31	15	29
11	19	27	28	11	11	22
12	17	32	27	0	20	23
13	17	30	25	6.8	13	24
14	18	33	24	19	11	23
15	20	35	22	16	10	22
16	26	25	22	13	8.7	22
17	27	26	21	15	10	25
18	27	24	20	12	18	25
19	23	23	21	17	16	26
20	17	20	20	18	12	28
21	19	26	21	17	5.4	14
22	19	27	25	17	2.8	7.0
23	20	27	27	16	3.7	0
24	19	29	27	18	7.7	2.3
25	20	28	22	20	20	2.5
26	20	25	8.8	14	23	3.8
27	26	25	0	9.2	21	7.1
28	26	26	19	9.5	21	9.9
29	24	27	29	6.1	23	10
30	25	28	29	6.9	24	5.0
31	-----	30	-----	9.3	23	-----
TOTAL	540.2	785	695.8	533.8	432.6	538.6
MEAN	18.0	25.3	23.2	17.2	14.0	18.0
MAX	27	35	29	31	24	29
MIN	0	0	0	0	2.8	0
AC-FT	1,070	1,560	1,380	1,060	858	1,070

TOTAL 6 MONTHS.--AC-FT      7,000

# N O R T H   P L A T T E   R I V E R   B A S I N

ALLIANCE CANAL from Red Willow Creek - 1989

LOCATION.--NW1/4SW1/4 Sec. 6-20-51 W. near Bayard

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1918 - 1926, 1928 - present

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	19	37	34	41	47	21
2	0	21	34	32	41	48	20
3	0	20	33	37	40	47	19
4	0	18	33	43	44	47	19
5	0	1.2	34	38	43	47	17
6	0	18	32	35	41	47	3.5
7	0	18	32	32	42	47	0
8	0	34	30	32	45	45	0
9	0	34 E	31	32	46	42	0
10	0	32 E	34	30	46	39	0
11	0	31 E	38	31	45	30	0
12	0	33	39	27	47	26	0
13	0	44	39	33	45	34	0
14	0	37	34	40	46	24	0
15	0	38	39	42	46	15	0
16	0	29	42	47	46	18	0
17	0	26	38	48	45	13	0
18	0	14 E	40	47	42	15	0
19	0	16 E	41	48	42	16	0
20	0	18	37	45	46	15	0
21	8.4	21	38	44	46	20	0
22	16	20	46	42	47	27	0
23	16	23	39	42	48	16	0
24	16	33	43	41	47	14	0
25	18	38	35	43	45	24	0
26	19	30	0	44	47	29	0
27	20	28	0	43	47	24	0
28	20	30	0	44	45	20	0
29	19	32	20	46	39	20	0
30	19	35	24	35	45	22	0
31	-----	40	-----	40	46	-----	0
<b>TOTAL</b>	171.4	831.2	962	1,217	1,381	878	99.5
<b>MEAN</b>	5.71	26.8	32.1	39.3	44.5	29.3	3.21
<b>MAX</b>	20	44	46	48	48	48	21
<b>MIN</b>	0	1.2	0	27	39	13	0
<b>AC-FT</b>	340	1,650	1,910	2,410	2,740	1,740	197

TOTAL 7 MONTHS.--AC-FT      10,990

## NORTH PLATTE RIVER BASIN

RED WILLOW CREEK near Bayard - 1989

LOCATION.--NE1/4NE1/4 SEC. 13-20-52 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1989, 2240 cubic feet per second on June 25, gage height 8.13 feet.  
Minimum daily discharge, 42 cubic feet per second on April 24 - 25.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	67	60	63	57	44	67	94	67	79	87	84	67
2	67	58	63	57	51	66	90	65	94	89	85	67
3	67	60	61	56	63	65	79	70	101	88	83	67
4	67	59	62	57	66	63	75	78	103	86	82	68
5	67	59	63	56	168	63	70	72	99	89	80	68
6	67	60	64	57	233	64	67	64	97	99	80	67
7	67	59	65	57	252	66	62	63	101	96	75	67
8	66	58	67	56	188	66	61	62	125	96	81	66
9	66	58	70	57	159	65	61	70	150	93	76	66
10	65	59	68	56	144	65	59	74	209	92	75	66
11	65	59	66	56	136	71	57	70	198	91	74	65
12	64	60	66	56	124	87	54	79	170	89	74	65
13	65	59	65	56	173	83	51	79	212	89	74	64
14	64	60	62	55	231	74	51	76	214	88	74	65
15	64	59	62	55	190	63	52	84	194	88	72	64
16	64	59	62	56	164	66	55	84	169	90	72	64
17	63	59	61	60	158	64	61	77	157	91	73	64
18	63	60	60	60	127	60	62	71	150	89	75	64
19	63	60	60	60	93	56	62	69	150	89	74	62
20	63	60	61	56	69	54	63	68	149	89	72	62
21	64	60	61	46	71	58	62	67	150	88	70	61
22	64	60	62	47	67	70	62	75	147	87	69	59
23	64	62	61	45	66	76	64	73	167	85	69	60
24	64	62	61	42	65	89	59	76	132	84	70	60
25	63	62	60	42	64	414	57	70	120	84	70	60
26	63	63	59	46	61	305	56	68	113	85	69	60
27	62	62	59	49	61	257	58	78	133	87	68	60
28	62	62	58	49	63	151	60	91	102	86	67	60
29	63	-----	59	44	63	110	65	82	93	82	67	59
30	62	-----	60	43	64	99	76	73	91	82	67	59
31	61	-----	58	-----	69	-----	72	74	-----	82	-----	58
TOTAL	1,996	1,678	1,929	1,589	3,547	2,957	1,977	2,269	4,169	2,740	2,221	1,964
MEAN	64.4	59.9	62.2	53.0	114	98.6	63.8	73.2	139	88.4	74.0	63.4
MAX	67	63	70	60	252	414	94	91	214	99	85	68
MIN	61	58	58	42	44	54	51	62	79	82	67	58
AC-FT	3,960	3,330	3,830	3,150	7,040	5,870	3,920	4,500	8,270	5,430	4,410	3,900

TOTAL 12 MONTHS.--MEAN 79.6 MAX 414 MIN 42 AC-FT 57,590

# NORTH PLATTE RIVER BASIN

BELMONT CANAL from North Platte River - 1989

LOCATION.--NW1/4SW1/4 Sec. 20-20-51 W. near Bridgeport

GAGE.--Continuous stage recorder and 15 ft. Parshall flume

PERIOD OF RECORD.--1916 - 1950, 1962 - present

REMARKS.--Published as Belmont - Empire Canal 1951 - 1961

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	112	115	136	108	90
2	19	110	116	138	109	40
3	62	104	117	140	109	0
4	65	111	117	137	109	0
5	49	118	116	135	109	0
6	52	136	109	129	111	0
7	61	136	100	124	110	0
8	60	118	97	123	107	0
9	62	103	81	125	104	0
10	87	110	66	132	108	0
11	103	108	118		107	0
12	101	110	140	138	106	0
13	100	122	136	138	101	0
14	99	119	135	138	89	0
15	101	116	140	138	88	0
16	100	115	142	138	89	0
17	97	102	140	134	88	0
18	95	100	136	134	88	0
19	97	106	135	136	88	0
20	111	103	135	135	88	0
21	109	89	135	134	87	0
22	105	90	134	132	90	0
23	102	98	134	131	95	0
24	105	132	135	137	94	0
25	104	122	135	133	93	0
26	104	122	133	130	93	0
27	104	114	138	130	94	0
28	104	119	139	128	94	0
29	103	117	139	126	93	0
30	103	117	136	117	90	0
31	107	-----	136	109	-----	0
TOTAL	2,671	3,379	3,885	3,955	2,939	130
MEAN	86.2	113	125	132	98.0	4.19
MAX	111	136	142	140	111	90
MIN	0	89	66	109	87	0
AC-FT	5,300	6,700	7,710	7,840	5,830	258

TOTAL 6 MONTHS.--AC-FT      33,640

# N O R T H P L A T T E R I V E R B A S I N

BELMONT CANAL from Cedar Creek - 1989

LOCATION.--NE1/4SW1/4 Sec. 23-18-48 W. near Broadwater

GAGE.--Continuous stage recorder and concrete box

PERIOD OF RECORD.--1919, 1922 - 1923, 1926 - 1927, 1929 - 1943,  
1948 - 1952, 1955 - 1954, 1966 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	8.7	5.2	5.0	4.0	3.1
2	0	8.4	4.5	4.1	3.8	0
3	0	8.4	4.0	4.4	4.4	0
4	0	8.6	3.9	4.6	4.8	0
5	0	7.3	3.6	4.6	7.7	0
6	0	5.7	3.7	6.2	8.5	0
7	0	8.8	3.6	5.3	8.8	0
8	0	9.0	3.4	5.2	11	0
9	0	8.6	3.6	4.8	11	0
10	0	6.9	3.7	4.6	12	0
11	0	6.1	3.8	5.1	11	0
12	0	7.1	3.9	5.0	9.8	0
13	0	9.2	3.8	4.8	8.6	0
14	0	9.9	3.9	4.6	8.9	0
15	0	9.8	3.6	4.0	8.7	0
16	0	9.6	3.9	4.2	8.6	0
17	0	9.3	3.9	4.3	8.6	0
18	0	9.2	3.6	4.3	8.7	0
19	2.8	9.2	4.4	4.4	8.8	0
20	5.1	8.2	4.1	4.5	8.9	0
21	6.9	5.2	4.1	5.1	8.8	0
22	6.6	5.2	3.5	6.0	8.9	0
23	4.2	5.3	5.0	4.4	8.7	0
24	4.7	5.7	4.6	4.9	8.7	0
25	5.3	6.0	3.5	4.6	8.5	0
26	6.8	5.9	3.4	6.6	8.6	0
27	6.0	5.9	3.4	4.7	8.6	0
28	6.0	5.7	3.8	4.7	8.6	0
29	6.8	5.7	3.7	7.1	8.7	0
30	8.8	5.4	4.0	8.0	8.7	0
31	8.8	-----	4.3	6.8	-----	0
TOTAL	78.8	224.0	121.4	156.9	253.4	3.1
MEAN	2.54	7.47	3.92	5.06	8.45	.10
MAX	8.8	9.9	5.2	8.0	12	3.1
MIN	0	5.2	3.4	4.0	3.8	0
AC-FT	156	444	241	311	503	6.1

TOTAL 6 MONTHS.--AC-FT 1,660



# N O R T H   P L A T T E   R I V E R   B A S I N

EMPIRE CANAL from North Platte River - 1989

LOCATION.--SE1/4NE1/4 Sec. 19-20-51 W. near Bridgeport

GAGE.--Continuous stage recorder and 4 ft. Parshall flume

PERIOD OF RECORD.--1916, 1918 - 1919, 1921 - 1926, 1929 - 1945,  
1948 - 1950, 1962 - present

REMARKS.--Published as Belmont - Empire Canal, 1951 - 1961

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	30	32	26	14	28
2	0	35	32	30	21	13
3	0	33	32	30	20	0
4	5.1	31	31	29	21	0
5	18	41	27	29	18	0
6	32	12	27	28	18	0
7	46	1.3	17	28	16	0
8	47	6.6	13	28	14	0
9	33	21	16	28	17	0
10	19	27	17	28	17	0
11	9.8	29	26	29	18	0
12	21	32	29	29	18	0
13	20	11	29	29	18	0
14	21	.59	28	29	15	0
15	21	14	28	30	15	0
16	20	21	28	30	14	0
17	20	18	28	30	14	0
18	19	17	28	30	14	0
19	18	19	28	30	14	0
20	18	15	28	30	14	0
21	20	9.3	28	30	15	0
22	26	8.9	28	30	24	0
23	34	8.8	28	30	24	0
24	31	14	28	24	24	0
25	30	13	28	19	24	0
26	30	12	28	19	24	0
27	31	9.6	29	18	24	0
28	31	9.6	29	18	24	0
29	31	7.8	30	18	24	0
30	31	26	35	16	23	0
31	31	-----	35	14	-----	0
<b>TOTAL</b>	713.9	533.49	850	816	560	41
<b>MEAN</b>	23.0	17.8	27.4	26.3	18.7	1.32
<b>MAX</b>	47	41	35	30	24	28
<b>MIN</b>	0	.59	13	14	14	0
<b>AC-FT</b>	1,420	1,060	1,690	1,620	1,110	81

**TOTAL 6 MONTHS.--AC-FT      6,980**

# N O R T H P L A T T E R I V E R B A S I N

INDIAN CREEK near Northport - 1989

LOCATION.--NE1/4SE1/4 Sec. 19-20-50 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1922 - present

Day	May	Jun	Jul	Aug	Sep
1	4.2	11	50	10	23
2	4.5	11	30	21	19
3	3.4	9.1	9.5	21	15
4	3.4	8.4	11	20	18
5	3.7	7.8	13	22	22
6	4.0	8.8	50	24	24
7	4.2	9.8	48	10	28
8	4.5	11	34	12	29
9	4.7	12	27	9.5	42
10	4.7	14	20	24	47
11	8.5	14	13	30	52
12	4.0	13	8.8	21	45
13	11	16	6.7	24	42
14	9.9	17	22	26	39
15	8.8	15	24	33	27
16	27	18	26	10	26
17	30	8.8	27	7.0	24
18	6.7	7.9	26	6.1	21
19	4.5	7.0	18	10	26
20	7.5	12	6.7	18	20
21	6.6	8.1	6.1	26	24
22	5.8	19	5.8	22	27
23	9.5	13	14	25	34
24	12	9.1	22	20	26
25	18	14	23	6.4	19
26	12	18	19	7.5	20
27	7.8	11	23	11	19
28	6.6	18	24	14	13
29	5.3	11	7.0	27	11
30	10	26	8.0	24	11
31	13	-----	10	24	-----
<b>TOTAL</b>	265.8	378.8	632.6	565.5	793
<b>MEAN</b>	8.57	12.6	20.4	18.2	26.4
<b>MAX</b>	30	26	50	33	52
<b>MIN</b>	3.4	7.0	5.8	6.1	11
<b>AC-FT</b>	527	751	1,250	1,120	1,570
<b>TOTAL 5 MONTHS.--MEAN</b>	17.2	MAX 52	MIN 3.4	AC-FT 5,220	

# N O R T H P L A T T E R I V E R B A S I N

UPPER DUGOUT CREEK near Bridgeport - 1989

LOCATION.--SE1/4SE1/4 Sec. 20-20-50 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1931 - present

Day	May	Jun	Jul	Aug	Sep
1	2.1	2.9	12	12	13
2	.10	2.1	12	3.5	15
3	.10	2.1	11	.10	17
4	.10	2.1	11	11	24
5	.10	1.0	11	13	30
6	.10	1.0	10	15	19
7	.10	1.0	9.9	17	15
8	.10	.20	9.6	15	17
9	25	.60	9.3	16	19
10	51	.60	8.9	13	38
11	64	.60	8.6	3.5	57
12	148	.60	8.2	4.2	42
13	61	.60	9.2	9.1	57
14	62	1.0	6.0	14	56
15	62	0	1.0	17	40
16	62	0	7.5	22	24
17	48	0	16	20	21
18	6.9	0	8.2	18	18
19	12	0	14	13	16
20	24	0	14	7.6	17
21	22	40	16	2.1	21
22	20	1.0	12	11	23
23	14	1.0	6.0	17	48
24	8.2	31	.10	15	37
25	5.5	35	.10	22	26
26	5.5	100	5.2	20	23
27	5.5	40	7.8	18	8.2
28	5.5	13	12	17	5.2
29	5.5	13	14	9.2	5.0
30	29	12	14	6.9	3.7
31	5.5	-----	14	13	-----
<b>TOTAL</b>	<b>754.90</b>	<b>302.40</b>	<b>298.60</b>	<b>395.20</b>	<b>755.1</b>
<b>MEAN</b>	<b>24.4</b>	<b>10.1</b>	<b>9.63</b>	<b>12.7</b>	<b>25.2</b>
<b>MAX</b>	<b>148</b>	<b>100</b>	<b>16</b>	<b>22</b>	<b>57</b>
<b>MIN</b>	<b>.10</b>	<b>0</b>	<b>.10</b>	<b>.10</b>	<b>3.7</b>
<b>AC-FT</b>	<b>1,500</b>	<b>600</b>	<b>592</b>	<b>784</b>	<b>1,500</b>

TOTAL 5 MONTHS.--MEAN 16.4    MAX 148    MIN 0    AC-FT 4,980

# N O R T H   P L A T T E   R I V E R   B A S I N

BROWNS CREEK CANAL from North Platte River - 1989

LOCATION.--NW1/4SE1/4 Sec. 28-20-50 W. near Bridgeport

GAGE.--Continuous stage recorder and 8 ft. Parshall flume

PERIOD OF RECORD.--1916 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	90	74	98	38	29
2	0	86	87	102	39	32
3	0	76	87	99	38	7.3
4	.03	70	77	98	12	0
5	.17	69	75	95	15	0
6	6.0	68	82	92	20	0
7	17	69	94	89	18	0
8	22	65	94	94	20	0
9	25	60	102	92	7.0	0
10	32	58	101	96	0	0
11	49	54	101	101	0	0
12	57	55	103	103	0	0
13	49	45	62	99	0	0
14	56	41	91	89	9.1	0
15	45	35	104	100	15	0
16	1.6	37	104	99	14	0
17	.61	42	100	97	14	0
18	.32	36	100	95	13	0
19	.25	42	98	87	13	0
20	.22	64	97	77	13	0
21	4.4	66	99	70	14	0
22	22	59	99	68	14	0
23	35	54	93	62	14	0
24	41	66	97	74	13	0
25	33	53	104	79	12	0
26	34	.29	97	62	12	0
27	59	51	98	18	12	0
28	69	56	98	39	11	0
29	70	77	100	39	20	0
30	77	64	103	38	31	0
31	82	-----	97	37	-----	0
TOTAL	887.60	1,708.29	2,918	2,488	451.1	68.3
MEAN	28.6	56.9	94.1	80.3	15.0	2.20
MAX	82	90	104	103	39	32
MIN	0	.29	62	18	0	0
AC-FT	1,760	3,390	5,790	4,930	895	135

TOTAL 6 MONTHS.--AC-FT      16,900

# N O R T H   P L A T T E   R I V E R   B A S I N

COURTHOUSE ROCK CANAL from Pumpkin Creek - 1989

LOCATION.--SE1/4SW1/4 Sec. 30-19-50 W. near Bridgeport

GAGE.--Continuous stage recorder and concrete box

PERIOD OF RECORD.--1917 - 1927, 1930 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	4.9	6.3	4.9	4.7	3.8
2	0	4.6	6.3	5.0	4.6	3.9
3	0	4.3	6.2	4.7	5.5	3.9
4	0	3.9	6.3	4.6	4.8	3.8
5	0	3.6	6.1	4.7	4.7	3.8
6	0	3.3	6.1	4.6	4.5	3.8
7	0	3.0	5.7	4.6	4.6	2.1
8	0	3.0	5.6	4.4	6.5	.07
9	0	1.9	5.5	4.4	5.2	0
10	0	.13	5.1	4.8	3.3	0
11	0	0	5.0	4.3	3.2	0
12	0	0	5.0	4.4	3.0	0
13	0	0	5.1	4.5	2.8	0
14	0	0	5.2	4.7	2.9	0
15	0	0	5.4	4.9	3.0	0
16	0	0	5.7	5.0	3.1	0
17	.13	0	5.5	4.9	3.0E	0
18	.16	0	5.5	4.7	3.3E	0
19	0	0	5.6	4.8	3.3E	0
20	.13	0	5.4	5.3	3.3E	0
21	0	0	5.1	5.0	3.3	0
22	.40	0	5.6	4.8	3.1	0
23	2.0	3.6	5.5	4.7	3.3	0
24	4.0	5.5	4.7	4.5	3.3	0
25	4.3	5.6	4.6	5.4	3.3	0
26	4.5	5.7	4.4	7.3	3.5	0
27	3.6	5.7	4.5	5.6	3.7	0
28	.55	6.3	4.7	5.0	3.8	0
29	3.1	6.4	4.8	4.7	3.8	0
30	5.3	6.3	4.9	4.7	3.8	0
31	5.4	-----	5.0	4.6	-----	0
<b>TOTAL</b>	33.57	77.73	166.4	150.5	114.2	25.17
<b>MEAN</b>	1.08	2.59	5.37	4.85	3.81	.81
<b>MAX</b>	5.4	6.4	6.3	7.3	6.5	3.9
<b>MIN</b>	0	0	4.4	4.3	2.8	0
<b>AC-FT</b>	67	154	330	299	227	50

TOTAL 6 MONTHS.--AC-FT      1,130

# N O R T H P L A T T E R I V E R B A S I N

LAST CHANCE CANAL from Pumpkin Creek - 1989

LOCATION.--SE1/4NW1/4 Sec. 27-19-50 W. near Bridgeport

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1921 - 1922, 1931 - present

Day	Jun	Jul
1	0	2.8
2	0	2.4
3	0	2.0
4	0	2.3
5	0	2.5
6	0	1.2
7	0	.73
8	0	.59
9	0	.53
10	0	.24
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	1.4	0
18	4.8	0
19	4.8	0
20	4.9	0
21	5.0	0
22	5.1	0
23	4.9	0
24	4.0	0
25	3.8	0
26	3.9	0
27	3.9	0
28	3.7	0
29	3.2	0
30	2.9	0
31	-----	0
<b>TOTAL</b>	<b>56.3</b>	<b>15.29</b>
<b>MEAN</b>	<b>1.88</b>	<b>.49</b>
<b>MAX</b>	<b>5.1</b>	<b>2.8</b>
<b>MIN</b>	<b>0</b>	<b>0</b>
<b>AC-FT</b>	<b>112</b>	<b>30</b>

TOTAL 2 MONTHS.--AC-FT            142

# N O R T H   P L A T T E   R I V E R   B A S I N

MEREDITH-AMMER CANAL from Pumpkin Creek - 1989

LOCATION.--NE1/4NE1/4 Sec. 23-19-50 W. near Bridgeport

GAGE.--Continuous stage recorder and 2.5 ft. Parshall flume

PERIOD OF RECORD.--1931 - present

Day	May	Jun	Jul	Aug	Sep
1	0	0	5.3	1.3	1.9
2	0	0	3.9	1.4	1.5
3	0	0	3.5	1.4	1.7
4	2.0	0	3.0	1.1	1.9
5	3.0	0	2.4	.80	1.1
6	3.7	0	3.1	.59	0
7	3.8	0	3.0	.64	0
8	3.7	0	3.0	.63	0
9	3.7	0	2.7	.56	0
10	3.6	0	2.3	.75	0
11	3.4	0	2.8	.66	0
12	3.3	0	1.7	.84	0
13	3.5	0	1.5	.84	0
14	3.5	0	1.7	.76	0
15	3.3	0	1.9	.91	0
16	3.2	0	2.4	.92	0
17	.67	1.5	2.3	1.0	0
18	0	3.7	2.1	.93	0
19	0	3.8	2.1	.91	0
20	0	5.3	1.7	1.1	0
21	0	6.2	1.4	1.0	0
22	0	6.1	1.5	.92	0
23	0	6.3	1.6	.90	0
24	0	5.5	1.0	.89	0
25	0	4.4	1.1	.96	0
26	0	4.4	1.1	2.9	0
27	0	4.4	.70	3.1	0
28	0	4.1	.65	2.4	0
29	0	3.5	.79	2.1	0
30	0	3.1	1.1	2.1	0
31	0	-----	1.6	2.0	-----
<b>TOTAL</b>	<b>44.37</b>	<b>62.3</b>	<b>64.94</b>	<b>37.31</b>	<b>8.1</b>
<b>MEAN</b>	<b>1.43</b>	<b>2.08</b>	<b>2.09</b>	<b>1.20</b>	<b>.27</b>
<b>MAX</b>	<b>3.8</b>	<b>6.3</b>	<b>5.3</b>	<b>3.1</b>	<b>1.9</b>
<b>MIN</b>	<b>0</b>	<b>0</b>	<b>.65</b>	<b>.56</b>	<b>0</b>
<b>AC-FT</b>	<b>88</b>	<b>124</b>	<b>129</b>	<b>74</b>	<b>16</b>

TOTAL 5 MONTHS.--AC-FT            431

## NORTH PLATTE RIVER BASIN

SILVERNAIL DRAIN near Bridgeport - 1989

LOCATION.--SE1/4SW1/4 Sec. 6-19-49 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1925 - 1949, 1956 - present

Day	May	Jun	Jul	Aug	Sep		
1	3.4	8.1	10	24	18		
2	3.4	7.4	11	23	19		
3	4.9	6.8	11	22	20		
4	6.3	6.1	12	21	22		
5	7.8	5.5	12	20	23		
6	9.2	4.8	12	19	24		
7	11	4.8	11	18	26		
8	12	4.8	11	17	27		
9	14	4.8	10	17	28		
10	15	4.8	10	16	29		
11	17	4.8	9.7	15	31		
12	18	4.8	9.3	14	32		
13	18	4.8	8.9	13	32		
14	17	4.8	8.5	12	32		
15	17	4.8	8.2	11	31		
16	17	4.8	7.8	11	31		
17	16	4.8	7.4	11	31		
18	16	4.8	7.0	12	31		
19	15	4.8	8.2	12	31		
20	15	4.8	9.4	12	30		
21	15	5.3	11	12	30		
22	14	5.8	12	12	30		
23	14	6.2	13	13	30		
24	13	6.7	14	13	29		
25	13	7.2	15	13	29		
26	12	7.7	17	13	29		
27	11	8.2	18	14	28		
28	11	8.6	19	14	27		
29	10	9.1	20	14	26		
30	9.4	9.6	22	15	25		
31	8.7	-----	23	17	-----		
TOTAL	384.1	180.3	378.4	470	831		
MEAN	12.4	6.01	12.2	15.2	27.7		
MAX	18	9.6	23	24	32		
MIN	3.4	4.8	7.0	11	18		
AC-FT	762	358	751	932	1,650		
TOTAL 5 MONTHS.--MEAN	14.7	MAX	32	MIN	3.4	AC-FT	4,450



N O R T H P L A T T E R I V E R B A S I N

BEERLINE CANAL from North Platte River - 1989

LOCATION.--SE1/4NE1/4 Sec. 24-19-49 W. near Broadwater

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1919 - 1922, 1924 - present

Day	Jun	Jul	Aug	Sep
1	0	19	7.7	13
2	0	17	21	17
3	0	15	29	11
4	0	11	29	1.3
5	0	13	31	.03
6	0	6.6	29	.67
7	0	2.7	29	.15
8	0	1.0	28	.01
9	0	4.8	24	.01
10	0	4.1	4.4	1.0
11	.87	2.6	4.2	2.4
12	1.7	7.1	4.4	.76
13	9.3	11	5.9	.03
14	10	11	17	0
15	19	11	22	.03
16	21	11	22	.18
17	21	11	22	.27
18	18	11	21	.17
19	17	8.6	20	.45
20	16	8.7	20	.11
21	15	8.9	20	0
22	15	9.0	19	0
23	18	9.0	18	0
24	17	9.0	18	0
25	18	8.0	17	0
26	29	7.1	4.9	0
27	30	8.2	4.6	0
28	27	8.3	4.5	0
29	24	7.8	4.5	0
30	21	7.8	5.1	0
31	-----	7.6	5.6	-----
TOTAL	347.87	277.9	511.8	48.57
MEAN	11.6	8.96	16.5	1.62
MAX	30	19	31	17
MIN	0	1.0	4.2	0
AC-FT	690	551	1,020	96

TOTAL 4 MONTHS.--AC-FT 2,360

## NORTH PLATTE RIVER BASIN

CEDAR CREEK near Broadwater - 1989

LOCATION.--SE1/4NE1/4 Sec. 11-18-48 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1922 - 1965, 1965 - present

Day	May	Jun	Jul	Aug	Sep
1	7.8	15	.10	0	15
2	7.7	16	.10	0	17
3	7.7	18	.10	0	18
4	7.6	19	.10	0	20
5	7.5	21	.10	0	21
6	7.4	22	.10	0	23
7	7.4	23	.10	0	23
8	7.3	25	0	0	23
9	7.2	26	0	0	23
10	11	28	0	0	24
11	15	29	0	0	24
12	20	31	0	0	24
13	24	32	0	0	24
14	28	30	0	0	24
15	32	27	0	0	24
16	36	25	0	0	25
17	34	23	0	0	25
18	33	21	0	0	25
19	31	18	0	0	25
20	29	16	0	0	25
21	27	14	0	0	24
22	26	12	0	0	24
23	24	9.3	0	1.5	23
24	22	7.0	0	3.1	23
25	21	4.8	0	4.6	22
26	19	2.5	0	6.1	22
27	17	.20	0	7.7	21
28	15	.20	0	9.2	21
29	14	.20	0	11	20
30	12	.20	0	12	20
31	13	-----	0	14	-----
TOTAL	570.6	515.40	0.70	69.2	672
MEAN	18.4	17.2	.023	2.23	22.4
MAX	36	32	.10	14	25
MIN	7.2	.20	0	0	15
AC-FT	1,130	1,020	1.4	137	1,330

TOTAL 5 MONTHS.--MEAN 11.9 MAX 36 MIN 0 AC-FT 3,620

# N O R T H   P L A T T E   R I V E R   B A S I N

LISCO CANAL from North Platte River - 1989

LOCATION.--NW1/4NW1/4 Sec. 24-18-47 W. near Lisco

GAGE.--Continuous stage recorder and weir

PERIOD OF RECORD.--1918 - 1927, 1929 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	33	56	47	46	34
2	0	31	46	42	52	31
3	0	36	50	37	54	36
4	0	45	55	42	54	37
5	0	43	61	54	51	35
6	0	42	54	52	48	32
7	9.4	44	52	49	45	30
8	39	42	57	48	47	30
9	40	45	54	49	53	30
10	34	45	51	51	50	30
11	34	44	47	46	45	30
12	37	44	44	49	17	31
13	51	43	45	63	15	33
14	28	42	53	53	15	36
15	33	42	19	37	15	34
16	42	39	21	43	14	25
17	30	35	26	34	10	0
18	30	33	22	41	8.6	0
19	33	33	23	42	7.3	0
20	28	38	37	41	7.5	0
21	29	50	42	40	2.6	0
22	42	48	41	39	.83	0
23	46	49	42	36	16	0
24	43	52	41	34	35	0
25	36	52	38	32	33	0
26	31	66	39	38	31	0
27	29	51	41	39	31	0
28	26	55	44	40	32	0
29	23	54	45	38	32	0
30	33	55	44	37	34	0
31	37	-----	42	34	-----	0
<b>TOTAL</b>	<b>843.4</b>	<b>1,331</b>	<b>1,332</b>	<b>1,327</b>	<b>901.83</b>	<b>514</b>
<b>MEAN</b>	<b>27.2</b>	<b>44.4</b>	<b>43.0</b>	<b>42.8</b>	<b>30.1</b>	<b>16.6</b>
<b>MAX</b>	<b>51</b>	<b>66</b>	<b>61</b>	<b>63</b>	<b>54</b>	<b>37</b>
<b>MIN</b>	<b>0</b>	<b>31</b>	<b>19</b>	<b>32</b>	<b>.83</b>	<b>0</b>
<b>AC-FT</b>	<b>1,670</b>	<b>2,640</b>	<b>2,640</b>	<b>2,630</b>	<b>1,790</b>	<b>1,020</b>

TOTAL 6 MONTHS.--AC-FT      12,390

## N O R T H P L A T T E R I V E R B A S I N

LISCO CANAL from Cold Water Creek - 1989

LOCATION.--NW1/4SW1/4 Sec. 26-18-46 W. near Lisco

GAGE.--Staff gage

PERIOD OF RECORD.--1937 - 1944, 1947 - 1950, 1981,  
1985 - present

Day	May	Jun	Jul
1	4.5	1.8	2.0
2	4.5	1.8	1.9
3	4.5	1.8	1.9
4	4.5	1.9	1.9
5	4.0	1.9	1.9
6	4.0	1.9	1.9
7	4.0	1.9	1.9
8	4.0	1.9	1.9
9	3.5	1.9	1.9
10	3.5	2.0	1.0
11	3.5	2.0	1.9
12	2.5	2.0	2.0
13	2.5	2.1	2.0
14	2.0	2.1	2.0
15	2.0	2.1	2.0
16	2.0	2.2	2.0
17	2.0	2.2	2.0
18	2.0	2.3	2.0
19	2.0	2.3	2.0
20	2.0	2.3	2.0
21	2.0	2.3	2.0
22	1.9	2.3	2.0
23	1.9	2.3	2.0
24	1.9	2.2	2.0
25	1.9	2.2	2.0
26	1.9	2.2	2.0
27	1.8	2.1	2.0
28	1.8	2.1	2.0
29	1.8	2.1	0
30	1.8	2.0	0
31	1.8	-----	0
TOTAL	84.0	62.2	54.1
MEAN	2.71	2.07	1.75
MAX	4.5	2.3	2.0
MIN	1.8	1.8	0
AC-FT	167	123	107

TOTAL 3 MONTHS.--AC-FT 397

# N O R T H P L A T T E R I V E R B A S I N

COLD WATER CREEK near Lisco - 1989

LOCATION.--NE1/4NE1/4 Sec.34-18-46 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1922 - 1942, 1953 - 1957, 1960 - present

Day	May	Jun	Jul	Aug	Sep
1	0	1.6	1.3	3.7	3.6
2	0	1.6	1.2	3.7	3.6
3	.20	1.6	1.0	3.8	3.6
4	.30	1.6	.90	3.8	3.6
5	.40	1.6	.80	3.9	3.6
6	.60	1.6	.80	3.9	3.6
7	.80	1.5	1.2	4.0	3.6
8	.90	1.5	1.5	4.0	3.6
9	1.0	1.5	1.5	4.0	3.6
10	1.2	1.5	1.5	3.9	3.6
11	1.4	1.5	1.5	3.9	3.6
12	1.5	1.5	1.6	3.9	3.6
13	1.6	1.5	1.8	3.8	3.7
14	1.8	1.5	1.9	3.8	3.7
15	2.0	1.5	2.0	3.7	3.7
16	2.1	1.6	2.2	3.7	3.7
17	2.1	1.6	2.3	3.7	3.7
18	2.0	1.6	2.5	3.6	3.7
19	2.0	1.6	2.6	3.6	3.7
20	2.0	1.6	2.7	3.6	3.7
21	1.9	1.7	2.9	3.5	3.7
22	1.9	1.7	3.0	3.5	3.7
23	1.8	1.7	3.1	3.5	3.7
24	1.8	1.7	3.3	3.5	3.7
25	1.8	1.8	3.4	3.5	3.7
26	1.7	1.8	3.4	3.5	3.8
27	1.7	1.8	3.5	3.5	3.8
28	1.7	1.7	3.5	3.5	3.8
29	1.6	1.6	3.6	3.6	3.8
30	1.6	1.4	3.6	3.6	3.8
31	1.6	-----	3.7	3.6	-----
<b>TOTAL</b>	43.00	48.0	69.80	114.8	110.3
<b>MEAN</b>	1.39	1.60	2.25	3.70	3.68
<b>MAX</b>	2.1	1.8	3.7	4.0	3.8
<b>MIN</b>	0	1.4	.80	3.5	3.6
<b>AC-FT</b>	85	95	138	228	219
<b>TOTAL 5 MONTHS.--MEAN</b>	2.52	MAX	4.0	MIN	0
					AC-FT 765

## NORTH PLATTE RIVER BASIN

MIDLAND-OVERLAND CANAL from North Platte River - 1989

LOCATION.--NE1/4SE1/4 Sec. 2-16-44 W. near Oshkosh

GAGE.--Continuous stage recorder and 4 ft. Parshall flume

PERIOD OF RECORD.--1924 - present

Day	May	Jun	Jul	Aug	Sep
1	0	17	14	22	17
2	0	14	4.9	23	16
3	0	11	6.5	24	17
4	0	1.4	4.5	23	20
5	0	1.2	9.1	23	13
6	0	1.0	8.2	23	4.5
7	0	.78	4.4	22	4.3
8	0	1.3	0	20	3.9
9	0	5.2	0	19	4.4
10	0	6.2	0	17	4.5
11	0	.82	0	14	5.1
12	0	1.6	0	13	8.8
13	0	6.6	0	10	8.5
14	0	7.7	0	17	1.4
15	0	6.8	0	17	.93
16	0	6.3	0	11	.86
17	0	7.3	0	10	.72
18	0	8.2	0	13	.62
19	0	12	.31	12	.53
20	0	10	.63	11	.50
21	0	8.2	.52	14	.63
22	0	13	.23	18	.61
23	0	15	0	15	.61
24	0	15	0	11	.66
25	0	17	0	10	.01
26	0	21	0	12	0
27	0	27	0	14	0
28	.50	32	0	10	0
29	9.1	20	.04	4.4	0
30	18	19	.65	9.5	0
31	19	-----	11	12	-----
TOTAL	46.60	313.60	64.98	473.9	135.08
MEAN	1.50	10.5	2.10	15.3	4.50
MAX	19	32	14	24	20
MIN	0	.78	0	4.4	0
AC-FT	92	622	129	940	268

TOTAL 5 MONTHS.--AC-FT 2,050

# N O R T H   P L A T T E   R I V E R   B A S I N

PAISLEY CANAL from Blue Creek - 1989

LOCATION.--SE1/4NW1/4 Sec. 6-16-42 W. near Lewellen

GAGE.--Continuous stage recorder and 4 ft. Parshall flume

PERIOD OF RECORD.--1917 - 1919, 1921, 1923, 1925 - 1927, 1931 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	13	14	0	13	14
2	0	13	7.5	5.4	13	14
3	0	13	15	10	15	15
4	0	13	10	9.2	16	15
5	0	10	8.4	9.2	16	9.2
6	0	6.3	7.5	9.6	15	7.1
7	0	6.1	4.6	10	15	3.3
8	0	5.5	0	11	16	0
9	0	7.8	0	12	18	0
10	10	9.0	0	13	17	0
11	15	9.4	0	14	17	0
12	15	10	0	14	17	0
13	16	12	0	11	17	0
14	15	15	0	11	16	0
15	17	15	0	11	16	0
16	21	15	0	11	15	0
17	23	15	0	11	15	0
18	16	14	0	11	15	0
19	16	15	0	12	16	0
20	16	5.3	0	12	17	0
21	16	.98	0	14	18	0
22	16	.90	0	10	18	0
23	16	2.2	0	12	16	0
24	16	1.9	0	11	16	0
25	16	2.4	0	12	16	0
26	16	2.6	0	13	16	0
27	16	2.5	0	14	15	0
28	14	2.3	0	14	15	0
29	.23	.16	0	12	15	0
30	8.4	12	0	13	14	0
31	16	-----	0	13	-----	0
<b>TOTAL</b>	330.63	250.34	67.0	345.4	474	77.6
<b>MEAN</b>	10.7	8.34	2.16	11.1	15.8	2.50
<b>MAX</b>	23	15	15	14	18	15
<b>MIN</b>	0	.16	0	0	13	0
<b>AC-FT</b>	656	497	133	685	940	154

**TOTAL 6 MONTHS.--AC-FT      3,070**

## NORTH PLATTE RIVER BASIN

BLUE CREEK CANAL from Blue Creek &amp; Crescent Lake - 1989

LOCATION.--SW1/4NE1/4 Sec. 6-16-42 W. near Lewellen

GAGE.--Continuous stage recorder and 8 ft. Parshall Flume

PERIOD OF RECORD.--1917 - 1919, 1921 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	36	29	33	12	25
2	0	27	36	34	16	30
3	0	21	41	33	20	34
4	0	22	40	32	18	34
5	0	17	39	32	17	35
6	0	1.8	37	34	17	19
7	0	0	36	35	17	17
8	0	0	33	35	18	21
9	0	0	36	34	18	19
10	0	0	37	29	17	15
11	0	0	33	30	17	11
12	0	4.3	32	36	16	11
13	0	14	34	34	0	11
14	0	14	16	31	0	12
15	0	14	0	32	.40	6.4
16	0	13	0	31	4.1	0
17	0	23	0	31	8.2	0
18	0	30	0	30	18	0
19	0	35	0	30	19	0
20	0	34	0	29	16	0
21	0	38	0	34	0	0
22	0	38	0	25	0	0
23	1.1	42	0	27	0	0
24	19	32	0	27	0	0
25	27	37	0	27	0	0
26	27	35	15	19	0	0
27	23	34	31	16	5.0	0
28	22	29	33	18	10	0
29	31	0	33	15	15	0
30	33	1.0	35	13	20	0
31	35	-----	38	13	-----	0
TOTAL	218.1	592.1	664	879	318.70	300.4
MEAN	7.04	19.7	21.4	28.4	10.6	9.69
MAX	35	42	41	36	20	35
MIN	0	0	0	13	0	0
AC-FT	433	1,170	1,320	1,740	632	596

TOTAL 6 MONTHS.--AC-FT 5,890



# N O R T H   P L A T T E   R I V E R   B A S I N

HOOPER CANAL from Blue Creek - 1989

LOCATION.--SE1/4SW1/4 Sec. 6-16-42 W. near Lewellen

GAGE.--Continuous stage recorder and 3 ft. Parshall flume

PERIOD OF RECORD.--1917 - 1919, 1921 - 1923, 1925 - 1927, 1931 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	7.3	0	12	0	12
2	0	6.5	0	13	0	12
3	0	3.0	0	13	0	13
4	0	0	4.6	10	0	9.2
5	0	0	4.4	4.3	9.2	4.9
6	0	0	9.0	1.5	12	5.8
7	0	0	9.3	0	12	4.4
8	5.5	0	10	5.2	13	3.2
9	9.7	0	11	10	13	.04
10	13	0	14	11	11	1.0
11	16	0	13	11	6.1	2.0
12	17	0	14	9.3	3.9	4.0
13	18	0	15	11	4.7	4.8
14	19	0	7.8	11	3.0	4.9
15	15	0	0	8.6	1.0	3.2
16	15	2.9	0	2.9	0	.01
17	13	5.2	0	3.0	0	0
18	11	4.9	0	3.1	0	0
19	11	7.7	0	3.3	0	0
20	10	11	0	3.3	0	0
21	11	11	6.6	3.7	0	0
22	12	12	12	3.3	0	0
23	11	13	13	11	0	0
24	5.4	11	12	11	0	0
25	5.8	11	11	8.7	0	0
26	6.8	11	11	3.0	1.0	0
27	10	12	13	0	3.0	0
28	7.0	7.9	13	0	5.0	0
29	7.3	0	12	0	9.0	0
30	8.0	0	13	0	10	0
31	9.5	-----	13	0	-----	0
<b>TOTAL</b>	<b>267.0</b>	<b>137.4</b>	<b>241.7</b>	<b>187.2</b>	<b>116.9</b>	<b>84.45</b>
<b>MEAN</b>	<b>8.61</b>	<b>4.58</b>	<b>7.80</b>	<b>6.04</b>	<b>3.90</b>	<b>2.72</b>
<b>MAX</b>	<b>19</b>	<b>13</b>	<b>15</b>	<b>13</b>	<b>13</b>	<b>13</b>
<b>MIN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>AC-FT</b>	<b>530</b>	<b>273</b>	<b>479</b>	<b>371</b>	<b>232</b>	<b>168</b>

TOTAL 6 MONTHS.--AC-FT      2,050

## NORTH PLATTE RIVER BASIN

UNION CANAL from Blue Creek - 1989

LOCATION.--NE1/4SW1/4 Sec. 18-16-42 W. near Lewellen

GAGE.--Continuous stage recorder and 3 ft. Parshall flume

PERIOD OF RECORD.--1917 - 1919, 1921 - 1927, 1930 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	0	2.1	5.5	15	10
2	0	0	2.4	5.3	14	9.4
3	0	0	3.2	3.1	15	9.6
4	0	0	3.5	3.1	0	9.6
5	0	0	1.7	6.2	0	8.7
6	0	0	0	10	15	8.0
7	0	0	0	14	16	7.2
8	0	0	0	15	14	3.7
9	0	0	0	14	16	4.2
10	0	0	0	13	17	6.0
11	0	5.2	0	14	15	5.9
12	0	14	0	16	13	3.3
13	.54	15	0	16	10	3.2
14	2.5	14	0	15	8.4	3.3
15	.07	15	6.0	16	4.4	3.3
16	.05	16	14	15	0	3.2
17	1.5	14	15	15	0	3.0
18	0	10	15	14	2.1	2.6
19	0	7.7	14	12	3.5	2.7
20	0	7.7	13	11	3.5	2.8
21	0	5.1	15	13	2.0	.07
22	0	4.0	15	14	4.6	0
23	0	3.7	16	15	8.3	0
24	0	2.4	16	15	10	0
25	0	4.1	13	14	12	0
26	0	4.7	16	15	9.3	0
27	0	5.2	16	15	6.9	0
28	0	6.9	0	15	7.2	0
29	0	5.3	0	15	7.3	0
30	0	2.4	4.0	14	7.4	0
31	-----	1.6	-----	13	9.1	-----
TOTAL	4.66	164.0	200.9	391.2	266.0	109.77
MEAN	.16	5.29	6.70	12.6	8.58	3.66
MAX	2.5	16	16	16	17	10
MIN	0	0	0	3.1	0	0
AC-FT	9.2	325	398	776	528	218

TOTAL 6 MONTHS.--AC-FT 2,250

# N O R T H   P L A T T E   R I V E R   B A S I N

GRAF CANAL from Blue Creek - 1989

LOCATION.--SW1/4SE1/4 Sec. 19-16-42 W. near Lewellen

GAGE.--Continuous stage recorder and 3 ft. Parshall flume

PERIOD OF RECORD.--1917 - 1919, 1921 - 1925, 1927, 1930 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	8.1	.16	11	11	.38
2	0	8.3	.93	11	11	.55
3	0	8.4	6.7	9.2	11	3.4
4	0	6.0	8.6	9.4	11	3.5
5	0	6.0	11	12	9.5	3.8
6	0	6.4	9.8	14	1.2	3.8
7	0	6.5	1.5	14	9.5	3.9
8	0	6.4	.19	13	11	3.8
9	0	6.0	.15	8.5	1.4	3.7
10	0	6.0	.12	11	.66	3.2
11	0	6.0	.09	11	.69	2.4
12	0	5.6	.06	8.5	.66	2.5
13	0	4.6	.04	12	0	2.6
14	0	4.1	.01	13	1.5	2.6
15	0	9.7	.15	14	2.8	1.8
16	0	12	.20	16	1.7	.73
17	0	11	.24	16	1.6	.64
18	0	7.7	.17	16	.61	.59
19	0	2.4	.15	16	.79	0
20	0	4.1	.10	16	.75	0
21	0	7.7	.06	16	2.1	0
22	0	6.1	.04	16	2.1	0
23	0	5.7	.02	13	1.9	0
24	0	16	.01	12	1.8	0
25	0	16	0	13	1.8	0
26	0	15	0	14	1.2	0
27	0	14	0	9.9	.90	0
28	0	11	0	5.4	.80	0
29	0	.25	0	12	.72	0
30	0	.22	0	12	.70	0
31	4.8	-----	.78	12	-----	0
<b>TOTAL</b>	<b>4.8</b>	<b>227.27</b>	<b>41.27</b>	<b>386.9</b>	<b>102.38</b>	<b>43.89</b>
<b>MEAN</b>	<b>.15</b>	<b>7.58</b>	<b>1.33</b>	<b>12.5</b>	<b>3.41</b>	<b>1.42</b>
<b>MAX</b>	<b>4.8</b>	<b>16</b>	<b>11</b>	<b>16</b>	<b>11</b>	<b>3.9</b>
<b>MIN</b>	<b>0</b>	<b>.22</b>	<b>0</b>	<b>5.4</b>	<b>0</b>	<b>0</b>
<b>AC-FT</b>	<b>9.5</b>	<b>451</b>	<b>82</b>	<b>767</b>	<b>203</b>	<b>87</b>

TOTAL 6 MONTHS.--AC-FT      1,600



**S O U T H P L A T T E R I V E R B A S I N**

SUTHERLAND (KORTY) CANAL from South Platte River - 1989

LOCATION.--SE1/4 Sec. 8-13-36 W. near Paxton

GAGE.--Continuous stage recorder and 25 ft. Parshall flume

PERIOD OF RECORD.--1947 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	179	556	740	204	97	63	45	75	0	177	77	64
2	188	353	679	190	88	61	49	128	0	168	70	65
3	247	147	431	189	87	62	22	170	0	179	70	62
4	330	173	277	175	80	64	0	173	0	187	70	78
5	486	42	270	178	72	64	0	89	0	182	70	87
6	648	80	248	188	69	63	0	48	0	155	70	67
7	611	152	230	187	66	91	0	22	0	168	70	67
8	586	208	449	187	60	82	0	0	0	170	69	67
9	382	216	527	187	59	189	0	0	0	169	70	72
10	291	296	768	187	54	477	0	0	0	169	69	71
11	366	348	902	188	51	629	0	0	0	164	62	40
12	464	383	838	189	41	537	0	0	0	140	56	32
13	494	398	844	189	38	394	0	0	0	132	61	43
14	405	441	839	189	52	321	0	0	82	112	72	51
15	425	495	757	188	60	270	0	0	193	109	73	35
16	508	554	633	190	58	219	0	0	348	109	42	44
17	507	516	545	189	76	142	0	0	434	108	71	54
18	551	542	494	190	123	113	0	0	428	108	72	55
19	636	568	487	200	89	108	0	0	399	104	72	57
20	642	568	431	213	64	70	0	0	366	95	72	77
21	880	772	435	190	64	49	0	0	352	84	72	91
22	1,080	855	383	169	78	57	0	0	346	84	72	90
23	726	852	337	165	129	40	0	0	317	73	68	90
24	850	830	338	158	98	40	0	0	314	74	62	91
25	862	830	323	149	83	38	0	0	286	83	68	101
26	743	845	292	154	73	13	0	0	269	82	67	107
27	731	689	254	142	72	14	0	0	254	81	64	121
28	684	784	222	139	64	15	0	0	250	81	50	134
29	598	-----	223	119	67	16	0	0	237	81	54	169
30	599	-----	223	119	62	18	0	0	234	81	63	204
31	698	-----	211	-----	64	-----	0	0	-----	81	-----	234
TOTAL	17,397	13,493	14,630	5,301	2,238	4,319	116	705	5,109	3,790	1,998	2,620
MEAN	561	482	472	177	72.2	144	3.74	22.7	170	122	66.6	84.5
MAX	1,080	855	902	213	129	629	49	173	434	187	77	234
MIN	179	42	211	119	38	13	0	0	0	73	42	32
AC-FT	34,510	26,760	29,020	10,510	4,440	8,570	230	1,400	10,130	7,520	3,960	5,200

TOTAL FOR 12 MONTHS            142,300 AC-FT

## NORTH PLATTE RIVER BASIN

SUTHERLAND RESERVOIR from North Platte River - 1989

LOCATION.--NE1/4 Township 13, Range 33 W. near Sutherland

GAGE.--Staff gage

PERIOD OF RECORD.--1936 - present

REMARKS.--Published as combined total of Sutherland and Maloney Reservoirs prior to 1988.

	STORAGE LEVEL			ELEVATION			CONTENT					
				(feet)			(acre-feet)					
Maximum operation level				3084.0			174,000					
Top of conservation pool				3078.5			157,000					
Top of dead storage pool				3030.0			16,360					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	46,700	48,500	50,500	49,600	50,600	57,500	64,100	48,100	36,800	40,300	37,400	39,500
2	46,700	47,500	50,500	49,300	50,500	57,500	64,400	48,600	36,900	49,300	37,400	39,500
3	46,800	46,600	49,900	49,100	50,700	57,600	64,300	48,500	36,900	40,400	37,500	39,500
4	47,100	45,700	49,400	48,700	50,600	57,700	64,200	48,400	36,900	40,700	37,400	39,600
5	47,600	44,500	48,700	48,900	50,300	57,700	63,500	48,100	36,700	40,900	37,300	39,700
6	48,300	43,400	48,100	49,100	50,100	58,400	62,100	47,900	36,700	41,100	37,600	39,800
7	49,000	43,200	47,600	49,200	50,100	59,100	60,400	47,600	36,500	41,300	37,700	39,900
8	49,500	42,500	47,200	49,400	50,000	59,600	59,400	47,300	36,400	41,400	37,900	40,000
9	49,700	41,800	47,000	49,500	50,100	60,300	58,500	47,100	36,300	41,300	37,800	40,100
10	49,900	41,800	47,700	49,600	50,100	61,700	57,800	46,100	36,200	41,200	37,900	40,100
11	49,900	42,000	48,000	49,600	49,900	63,200	57,400	45,400	36,100	41,000	38,000	40,200
12	50,200	42,500	48,600	49,700	49,900	63,600	56,700	44,600	36,400	40,400	38,200	40,200
13	50,200	42,600	49,200	49,900	49,900	64,300	56,200	43,800	36,400	39,300	38,300	40,200
14	50,600	42,700	50,000	49,900	49,900	64,700	55,400	42,800	36,500	38,800	38,300	40,300
15	50,600	43,100	50,700	49,900	50,200	65,100	54,800	42,600	37,000	38,100	38,400	40,200
16	50,600	43,800	50,700	50,000	50,300	66,000	54,100	42,200	37,800	37,700	38,500	40,200
17	50,600	44,400	51,000	50,100	50,700	65,300	54,200	41,300	38,500	37,200	38,600	40,400
18	51,000	44,800	51,100	50,100	51,300	65,200	54,700	40,000	39,600	36,900	38,700	40,400
19	51,200	45,200	51,500	50,100	51,500	64,600	54,700	39,000	40,300	36,600	38,700	40,500
20	50,700	45,700	51,300	50,100	52,400	63,600	54,700	38,300	40,700	36,300	38,700	40,800
21	50,800	46,000	51,300	50,200	53,100	62,400	54,200	37,500	41,000	36,200	38,600	40,900
22	51,100	46,700	50,100	50,400	53,300	60,900	54,000	36,700	40,900	36,100	38,600	41,000
23	50,800	47,300	51,300	50,400	54,000	60,700	53,600	35,900	40,800	36,200	38,900	41,200
24	50,800	47,800	51,200	50,600	54,700	61,500	52,200	35,100	40,800	36,200	39,200	41,300
25	50,800	48,500	51,200	50,600	55,100	62,800	51,300	34,900	40,700	36,300	39,200	41,600
26	50,900	49,100	51,000	50,800	55,500	63,400	50,700	34,800	40,600	36,300	39,300	41,700
27	50,800	49,700	50,800	51,000	55,800	63,500	49,900	35,100	40,300	36,300	39,300	41,900
28	50,600	49,900	50,400	51,100	56,300	63,700	49,100	35,600	40,500	36,600	39,200	42,200
29	50,100	-----	50,200	50,800	56,700	63,800	48,400	35,700	40,400	36,800	39,300	42,400
30	49,400	-----	50,000	50,900	57,300	64,000	48,000	36,100	39,500	37,000	39,400	42,700
31	49,200	-----	49,700	-----	57,200	-----	48,200	36,500	-----	37,100	-----	42,900
MEAN	49,750	45,260	49,870	49,950	52,200	61,980	55,850	41,660	38,370	38,750	38,380	40,670
MAX	51,200	49,900	51,500	51,100	57,300	66,000	64,400	48,600	41,000	49,300	39,400	42,900
MIN	46,700	41,800	47,100	48,700	49,900	57,500	48,000	34,800	36,100	36,100	37,300	39,500

TOTAL 12 MONTHS.--MEAN 46,900 MAX 66,000 MIN 34,800

# N O R T H   P L A T T E   R I V E R   B A S I N

MALONEY RESERVOIR from North Platte River - 1989

LOCATION.--NW1/4NW1/4 Sec. 5-12-30 W. near North Platte

GAGE.--Staff gage

PERIOD OF RECORD.--1936 - present

REMARKS.--Published as combined total of Sutherland and Maloney Reservoirs prior to 1988.

	STORAGE LEVEL					ELEVATION		CONTENT				
						(feet)		(acre-feet)				
						3006.0		11,600				
						3004.0		10,000				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	18,000	17,500	17,800	18,000	17,800	17,600	18,100	17,600	18,100	17,800	17,800	17,800
2	17,800	17,500	17,800	18,000	18,000	17,800	18,000	17,800	18,000	17,800	17,800	18,000
3	17,600	17,300	17,800	18,100	18,000	17,800	18,100	17,600	18,000	17,300	18,000	18,000
4	17,600	17,500	17,500	18,500	18,000	17,800	18,100	17,600	17,800	16,800	17,800	18,000
5	17,600	17,600	17,500	18,000	17,600	18,000	17,800	17,600	17,600	16,200	17,800	18,000
6	17,600	17,800	17,500	17,800	17,600	18,500	18,100	17,600	17,500	15,600	18,000	18,000
7	17,600	18,000	17,500	17,600	17,600	18,500	18,300	17,800	17,500	15,100	18,000	18,000
8	17,300	18,000	17,300	17,600	17,800	18,500	18,300	17,800	17,500	14,700	18,000	17,600
9	17,500	17,800	17,300	17,500	17,800	18,600	18,100	17,800	17,600	14,500	18,100	17,600
10	17,500	18,000	17,300	17,300	17,800	18,600	18,000	18,000	17,600	14,700	18,000	17,600
11	17,600	17,600	17,300	17,500	17,800	18,600	18,000	17,800	17,800	14,500	18,000	17,500
12	17,600	17,600	17,500	17,500	17,800	18,000	18,100	17,600	18,100	14,500	18,000	17,600
13	17,600	17,600	17,600	17,500	17,800	18,100	17,800	17,600	18,100	14,800	17,800	17,500
14	17,600	17,500	17,600	17,500	17,800	18,500	17,600	17,600	18,500	15,300	17,800	17,500
15	17,600	17,500	17,600	17,600	17,800	18,500	17,600	17,600	18,500	15,400	17,800	17,600
16	17,600	17,500	17,600	17,500	17,800	18,600	17,600	17,600	18,300	15,900	17,800	17,600
17	17,800	17,500	17,600	17,500	17,800	18,600	17,800	17,500	18,100	16,200	17,600	17,300
18	17,800	17,600	17,500	17,600	18,000	18,800	17,800	17,300	18,100	16,700	17,600	17,300
19	18,000	17,600	17,500	17,600	17,800	18,800	17,800	17,300	18,100	17,000	17,600	17,300
20	18,000	17,800	17,500	17,800	18,000	18,100	17,600	17,300	18,000	17,300	17,600	17,300
21	18,000	18,000	17,300	17,800	18,000	18,000	17,600	17,300	17,800	17,500	17,600	17,300
22	18,000	18,000	17,300	17,800	18,000	18,100	17,500	17,300	17,600	17,600	17,600	17,300
23	17,800	18,000	17,300	18,000	17,800	18,300	17,500	17,200	17,800	17,800	17,600	17,500
24	18,000	18,000	17,300	18,000	17,800	18,800	17,600	17,500	17,800	17,800	17,800	17,600
25	18,000	18,000	17,300	17,800	17,800	19,000	17,600	17,500	17,800	17,800	17,800	17,600
26	17,800	18,000	17,300	17,800	17,600	18,800	17,600	17,600	17,800	17,800	17,800	17,800
27	17,600	17,800	17,200	17,800	17,600	18,500	17,600	17,800	17,800	18,000	17,800	17,800
28	17,500	17,800	17,200	17,600	17,600	18,500	17,600	17,800	17,800	18,000	17,800	17,800
29	17,300	-----	17,500	17,800	17,500	18,500	17,600	17,800	18,000	18,000	17,800	17,800
30	17,300	-----	17,600	17,600	17,600	18,300	17,600	18,000	17,800	18,000	17,800	17,800
31	17,500	-----	17,800	-----	17,600	-----	17,600	18,300	-----	17,800	-----	17,800
MEAN	17,680	17,730	17,470	17,730	17,780	18,370	17,810	17,630	17,890	16,590	17,810	17,650
MAX	18,000	18,000	17,800	18,500	18,000	19,000	18,300	18,300	18,500	18,000	18,100	18,000
MIN	17,300	17,300	17,200	17,300	17,500	17,600	17,500	17,200	17,500	14,500	17,600	17,300

TOTAL 12 MONTHS.--MEAN      17,680              MAX      19,000              MIN      14,500

## SOUTH PLATTE RIVER BASIN

SUTHERLAND POWER RETURN to the South Platte River - 1989

LOCATION.--NE1/4 Sec. 21-13-30 W. at North Platte

GAGE.--Differential pressure recorder

PERIOD OF RECORD.--1939 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	830	1,170	810	450	655	785	1,040	1,440	670	395	340	300
2	820	1,180	810	450	605	785	1,040	1,380	555	395	290	300
3	820	1,140	810	450	670	785	925	1,390	555	550	290	300
4	705	990	700	435	765	785	925	1,390	475	550	290	300
5	610	920	810	615	900	785	925	1,380	475	550	290	315
6	675	975	810	450	900	785	1,230	1,380	450	550	295	330
7	670	970	810	350	900	785	1,280	1,360	435	550	290	345
8	680	980	810	350	900	785	1,320	1,380	370	550	290	350
9	685	980	760	350	850	785	1,540	1,380	370	395	290	345
10	680	980	685	350	850	785	1,630	1,400	370	350	290	325
11	680	980	670	290	850	785	1,630	1,550	370	355	290	350
12	680	875	670	340	850	945	1,630	1,610	370	355	290	320
13	710	845	670	320	850	980	1,710	1,680	370	355	290	320
14	795	845	670	310	850	785	1,770	1,680	370	400	290	320
15	795	780	670	310	850	785	1,670	1,680	400	400	290	320
16	795	785	670	310	770	785	1,630	1,580	400	400	290	320
17	890	785	670	370	770	785	1,510	1,570	400	400	290	320
18	890	785	640	310	770	785	1,400	1,680	400	400	310	315
19	890	685	640	310	730	840	1,390	1,700	400	400	310	305
20	890	655	640	310	720	980	1,390	1,680	400	400	300	305
21	1,070	655	620	310	730	1,300	1,390	1,700	400	400	300	310
22	1,070	680	620	330	730	1,390	1,390	1,710	400	400	300	310
23	1,160	680	620	330	730	1,410	1,390	1,700	400	395	300	305
24	1,140	755	620	370	710	1,400	1,390	1,710	400	355	300	305
25	1,160	780	570	375	710	1,350	1,570	1,710	400	355	300	305
26	1,200	780	575	430	710	1,280	1,730	1,520	400	355	300	295
27	1,200	780	620	430	710	1,280	1,630	1,450	400	355	300	295
28	1,200	780	560	430	170	1,040	1,730	1,370	400	355	300	320
29	1,200	-----	500	465	710	1,040	1,730	1,150	400	355	300	320
30	1,170	-----	460	600	710	1,040	1,730	955	400	355	300	320
31	1,160	-----	450	-----	690	-----	1,610	760	-----	355	-----	320
TOTAL	27,920	24,195	20,640	11,500	23,315	28,835	44,875	46,025	12,605	12,735	8,905	9,810
MEAN	901	864	666	383	752	961	1,448	1,485	420	411	297	316
MAX	1,200	1,180	810	615	900	1,410	1,770	1,710	670	550	340	350
MIN	610	655	450	290	170	785	925	760	370	350	290	295
AC-FT	55,380	47,990	40,940	22,810	46,250	57,190	89,010	91,290	25,000	25,260	17,660	19,460
TOTAL 12 MONTHS.--MEAN		743	MAX	1,770	MIN	170	AC-FT	538,200				



**N O R T H   P L A T T E   R I V E R   B A S I N**

KEITH - LINCOLN COUNTY CANAL from North Platte River - 1989

LOCATION.--NE1/4SE1/4 Sec. 18-14-36 W. near Paxton

GAGE.--Continuous stage recorder and 10 ft. Parshall flume

PERIOD OF RECORD.--1918 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	58	54	48	85	46
2	0	58	53	63	80	46
3	0	59	53	73	13	50
4	0	59	53	81	2.4	51
5	0	59	36	84	14	67
6	0	58	53	79	72	67
7	0	59	53	87	62	56
8	0	58	52	93	63	39
9	0	58	52	98	64	23
10	0	58	51	100	67	17
11	0	58	52	99	80	27
12	0	58	52	100	76	27
13	0	58	81	99	77	27
14	0	58	47	98	81	27
15	0	58	19	97	80	26
16	0	58	3.3	97	80	26
17	0	58	1.8	97	80	25
18	0	58	.77	96	80	24
19	11	58	35	93	79	13
20	59	58	59	90	79	0
21	57	58	56	92	79	0
22	44	58	66	93	79	0
23	50	58	65	94	78	0
24	46	57	67	93	77	0
25	44	55	35	89	76	0
26	44	57	61	88	67	0
27	57	56	72	91	52	0
28	65	55	49	96	46	0
29	65	55	32	94	46	0
30	61	54	32	59	46	0
31	-----	54	-----	28	46	-----
TOTAL	603	1,781	1,395.87	2,689	2,006.4	684
MEAN	20.1	57.5	46.5	86.7	64.7	22.8
MAX	65	59	81	100	85	67
MIN	0	54	.77	28	2.4	0
AC-FT	1,200	3,530	2,770	5,330	3,980	1,360

TOTAL 6 MONTHS.--AC-FT    18,170

# N O R T H P L A T T E R I V E R B A S I N

SHERIDAN-WILSON CANAL from Sarben Slough - 1989

LOCATION.--SE1/4SW1/4 Sec. 21-14-35 W. near Paxton

GAGE.--Staff gage

PERIOD OF RECORD.--1937 - 1943, 1945 - present

Day	May	Jun	Jul	Aug	Sep
1	5.0	5.3	2.8	2.9	1.9
2	5.1	5.4	2.7	3.3	1.9
3	5.2	5.5	2.6	3.3	1.9
4	5.4	5.6	2.4	3.3	1.8
5	5.5	5.7	2.2	3.3	1.8
6	5.6	5.8	2.1	3.3	1.8
7	5.7	6.0	2.1	3.2	2.0
8	5.8	6.2	2.1	3.2	2.1
9	6.0	6.1	2.1	3.2	2.2
10	6.2	6.0	2.0	3.2	2.3
11	6.5	5.9	2.0	3.2	2.4
12	6.6	5.8	2.0	3.1	2.5
13	6.7	5.7	2.0	3.1	2.5
14	6.8	5.7	2.0	3.0	2.1
15	6.9	5.5	2.0	3.0	2.0
16	7.0	5.2	2.0	2.9	1.9
17	7.1	5.1	1.9	2.9	1.8
18	7.1	5.0	1.9	2.9	1.7
19	6.9	4.8	1.9	2.9	1.6
20	6.6	4.7	1.8	2.9	1.6
21	6.0	5.0	1.7	2.9	1.6
22	5.6	5.4	1.6	2.9	1.6
23	5.3	5.8	1.5	2.9	1.6
24	5.0	6.0	1.4	2.7	1.6
25	4.7	6.5	1.3	2.5	1.6
26	4.8	6.9	1.3	2.4	1.6
27	4.9	5.0	1.5	2.3	0
28	5.0	3.2	1.8	2.1	0
29	5.1	3.1	2.0	2.0	0
30	5.2	3.0	2.4	1.9	0
31	5.3	-----	2.6	1.9	-----
<b>TOTAL</b>	180.6	160.9	61.7	88.6	49.4
<b>MEAN</b>	5.83	5.36	1.99	2.86	1.65
<b>MAX</b>	7.1	6.9	2.8	3.3	2.5
<b>MIN</b>	4.7	3.0	1.3	1.9	0
<b>AC-FT</b>	358	319	122	176	98

TOTAL 5 MONTHS.--AC-FT      1,070

# NORTH PLATTE RIVER BASIN

NORTH PLATTE CANAL from North Platte River - 1989

LOCATION.--SE1/4NE1/4 Sec. 18-14-33 W. near Sutherland

GAGE.--Continuous stage recorder and 15 ft. Parshall flume

PERIOD OF RECORD.--1918 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	77	120	185	10	4.5
2	0	86	120	189	9.3	4.2
3	0	96	122	218	10	4.3
4	0	125	123	243	104	4.2
5	0	131	125	251	179	4.1
6	0	128	127	283	206	4.0
7	0	126	129	314	201	3.8
8	0	136	119	344	175	3.6
9	0	163	117	364	181	3.7
10	0	169	117	361	178	5.1
11	0	171	115	354	199	89
12	0	173	70	357	235	97
13	0	181	2.7	349	276	45
14	0	183	1.5	343	313	0
15	0	178	2.2	335	296	0
16	0	177	3.0	328	293	0
17	0	176	2.0	340	294	0
18	0	166	5.9	337	295	0
19	0	154	91	326	297	0
20	0	152	89	330	298	0
21	0	156	143	330	296	0
22	0	134	196	330	290	0
23	1.3	121	185	319	280	0
24	26	121	187	299	269	0
25	77	120	181	291	255	0
26	77	120	170	285	232	0
27	77	120	153	276	211	0
28	77	120	155	269	166	0
29	75	119	192	278	52	0
30	74	119	196	274	5.4	0
31	-----	121	-----	93	4.8	-----
<b>TOTAL</b>	<b>484.3</b>	<b>4,319</b>	<b>3,359.3</b>	<b>9,195</b>	<b>6,110.5</b>	<b>272.5</b>
<b>MEAN</b>	<b>16.1</b>	<b>139</b>	<b>112</b>	<b>297</b>	<b>197</b>	<b>9.08</b>
<b>MAX</b>	<b>77</b>	<b>183</b>	<b>196</b>	<b>364</b>	<b>313</b>	<b>97</b>
<b>MIN</b>	<b>0</b>	<b>77</b>	<b>1.5</b>	<b>93</b>	<b>4.8</b>	<b>0</b>
<b>AC-FT</b>	<b>961</b>	<b>8,570</b>	<b>6,660</b>	<b>18,240</b>	<b>12,120</b>	<b>541</b>

TOTAL 6 MONTHS.--AC-FT      47,090

## NORTH PLATTE RIVER BASIN

PAXTON-HERSHEY CANAL from North Platte River - 1989

LOCATION.--SE1/4SE1/4 Sec. 7-14-33 W. near Sutherland

GAGE.--Continuous stage recorder and 10 ft. Parshall flume

PERIOD OF RECORD.--1916, 1918 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	.69	59	65	41	20	16
2	16	58	65	55	19	13
3	19	58	64	84	20	15
4	21	58	64	77	20	6.9
5	7.3	59	70	75	15	0
6	21	59	87	43	9.4	0
7	44	60	93	16	14	0
8	49	59	110	16	23	0
9	6.1	60	105	15	28	0
10	32	61	93	15	19	0
11	43	61	91	15	9.0	0
12	48	36	104	13	18	0
13	49	0	107	14	18	0
14	50	0	107	68	16	0
15	51	0	107	88	10	0
16	52	0	104	99	6.9	0
17	55	0	111	104	5.9	0
18	57	0	108	104	7.8	0
19	51	11	103	105	8.7	0
20	45	59	100	102	11	0
21	57	79	91	101	7.5	0
22	58	97	86	101	6.2	0
23	55	81	86	102	6.3	0
24	39	56	88	102	5.9	0
25	56	57	92	99	4.9	0
26	57	44	93	96	4.5	0
27	58	17	93	83	5.7	0
28	58	55	93	63	13	0
29	58	56	86	64	12	0
30	58	67	80	24	10	0
31	60	-----	51	22	-----	0
TOTAL	1,331.09	1,367	2,797	2,006	374.7	50.9
MEAN	42.9	45.6	90.2	64.7	12.5	1.64
MAX	60	97	111	105	28	16
MIN	.69	0	51	13	4.5	0
AC-FT	2,640	2,710	5,550	3,980	743	101

TOTAL 6 MONTHS.--AC-FT 15,720

# N O R T H   P L A T T E   R I V E R   B A S I N

BIRDWOOD CANAL from Birdwood Creek - 1989

LOCATION.--SE1/4SW1/4 Sec. 35-15-33 W. near Hershey

GAGE.--Continuous stage recorder and 8 ft. Parshall flume

PERIOD OF RECORD.--1921 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	39	31	36	24	18
2	0	39	34	34	25	18
3	0	40	32	38	28	17
4	0	39	32	36	25	18
5	0	39	31	37	23	18
6	0	36	28	35	22	18
7	0	26	27	29	22	18
8	0	21	27	31	21	18
9	24	21	31	29	23	19
10	68	21	35	31	23	19
11	54	21	37	32	23	20
12	36	21	39	32	24	19
13	41	20	40	33	25	20
14	38	19	40	31	25	20
15	37	19	40	30	24	16
16	34	23	40	28	24	9.7
17	40	35	41	23	24	6.8
18	34	35	40	22	23	.37
19	34	35	36	26	24	0
20	34	39	36	25	24	0
21	36	44	36	26	25	0
22	34	23	36	34	24	0
23	34	22	35	40	24	0
24	34	33	34	39	24	0
25	34	31	34	41	24	0
26	34	39	34	24	25	0
27	35	30	31	24	24	0
28	36	28	29	33	26	0
29	37	31	34	33	25	0
30	38	35	36	30	18	0
31	39	-----	36	24	-----	0
<b>TOTAL</b>	865	904	1,072	966	715	292.87
<b>MEAN</b>	27.9	30.1	34.6	31.2	23.8	9.45
<b>MAX</b>	68	44	41	41	28	20
<b>MIN</b>	0	19	27	22	18	0
<b>AC-FT</b>	1,720	1,790	2,130	1,920	1,420	581
<b>TOTAL 6 MONTHS</b>			<b>AC-FT</b>	9,560		

# N O R T H P L A T T E R I V E R B A S I N

SUBURBAN CANAL from North Platte River - 1989

LOCATION.--SE1/4SE1/4 SEC. 7-14-32 W. near Hershey

GAGE.--Continuous stage recorder and 12 ft. Parshall flume

PERIOD OF RECORD.--1919, 1921 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	63	55	60	52	51
2	0	64	53	60	48	50
3	0	64	53	64	52	51
4	0	68	52	68	50	51
5	0	72	51	77	48	48
6	0	68	51	97	48	46
7	0	70	56	106	50	25
8	0	75	55	111	48	3.2
9	0	73	56	113	49	2.8
10	0	75	56	112	51	2.5
11	0	82	55	120	65	2.0
12	0	81	56	122	77	2.3
13	0	79	38	122	85	1.7
14	0	77	6.8	117	89	0
15	0	81	2.2	101	101	0
16	0	81	1.6	80	106	0
17	0	77	1.1	72	101	0
18	0	70	1.1	79	98	0
19	0	62	58	79	96	0
20	0	60	88	89	93	0
21	1.9	60	118	87	84	0
22	10	62	114	86	79	0
23	9.9	61	72	86	84	0
24	9.1	59	73	84	87	0
25	8.5	55	66	86	89	0
26	10	54	42	86	81	0
27	63	53	42	88	67	0
28	63	52	57	91	50	0
29	64	52	57	92	57	0
30	64	52	59	86	55	0
31	-----	56	-----	71	53	-----
TOTAL	303.4	2,058	1,545.8	2,792	2,193	336.5
MEAN	10.1	66.4	51.5	90.1	70.7	11.2
MAX	64	82	118	122	106	51
MIN	0	52	1.1	60	48	0
AC-FT	602	4,080	3,070	5,540	4,350	667

TOTAL 6 MONTHS.--AC-FT 18,310

# N O R T H   P L A T T E   R I V E R   B A S I N

CODY-DILLON CANAL from North Platte River - 1989

LOCATION.--SE1/4NE1/4 Sec. 9-14-31 W. near North Platte

GAGE.--Continuous stage recorder and concrete control

PERIOD OF RECORD.--1919, 1921 - present

Day	May	Jun	Jul	Aug	Sep
1	0	16	10	15	.49
2	.81	15	10	8.2	.49
3	3.1	15	10	14	1.2
4	2.6	15	11	15	1.1
5	.42	14	13	25	.78
6	1.9	12	9.7	29	.46
7	7.7	13	4.2	20	.41
8	2.9	10	8.3	18	.46
9	4.4	8.8	13	19	.60
10	7.4	8.4	19	17	.70
11	14	7.9	24	21	.47
12	22	7.5	35	25	3.3
13	20	1.9	41	28	5.4
14	15	.49	40	27	2.4
15	15	.28	31	22	.88
16	15	.06	27	25	.76
17	16	0	25	30	.58
18	14	0	26	18	.49
19	16	0	16	20	.46
20	16	.03	13	20	.45
21	16	14	14	19	.87
22	14	29	21	23	1.9
23	12	24	18	26	.94
24	12	39	23	26	.67
25	11	30	38	31	.74
26	14	11	45	33	.01
27	12	6.7	43	20	0
28	12	3.6	42	8.4	0
29	13	6.5	40	8.3	0
30	14	11	41	3.3	0
31	17	-----	39	.85	-----
<b>TOTAL</b>	<b>341.23</b>	<b>320.16</b>	<b>750.2</b>	<b>615.05</b>	<b>27.01</b>
<b>MEAN</b>	<b>11.0</b>	<b>10.7</b>	<b>24.2</b>	<b>19.8</b>	<b>.90</b>
<b>MAX</b>	<b>22</b>	<b>39</b>	<b>45</b>	<b>33</b>	<b>5.4</b>
<b>MIN</b>	<b>0</b>	<b>0</b>	<b>4.2</b>	<b>.85</b>	<b>0</b>
<b>AC-FT</b>	<b>677</b>	<b>635</b>	<b>1,490</b>	<b>1,220</b>	<b>54</b>

TOTAL 5 MONTHS                      AC-FT              4,080

## NORTH PLATTE RIVER BASIN

LINCOLN COUNTY DRAIN NO. 1 at North Platte - 1989

LOCATION.--NE1/4NE1/4 Sec. 30-14-30 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - 1932, 1955 - present

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1989, 234 cubic feet per second on July 31 at gage height 3.00 ft.  
Minimum daily discharge, 18 cubic feet per second on April 23.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	27	25	25	23	39	75	72	127	90	53	35	28
2	27	24	25	23	35	77	67	112	87	51	34	28
3	28	24	25	22	43	78	71	105	86	50	34	28
4	28	25	25	22	54	77	83	100	82	48	34	28
5	28	25	25	22	73	77	82	119	82	48	33	28
6	28	25	25	20	68	67	70	128	79	47	33	28
7	28	25	25	21	63	74	61	148	77	46	32	28
8	27	25	25	20	59	69	57	137	74	45	32	28
9	27	26	25	21	46	69	55	133	71	45	32	28
10	27	26	24	21	45	76	73	125	70	45	32	28
11	27	25	24	20	47	76	73	118	69	44	32	27
12	26	25	25	20	56	73	73	125	82	43	33	29
13	27	25	26	20	79	52	78	147	85	42	33	30
14	27	25	25	20	82	43	79	150	72	42	32	30
15	27	25	25	20	79	41	84	128	67	44	32	28
16	26	25	25	21	83	38	82	99	64	44	32	28
17	26	24	25	21	95	36	89	89	61	43	31	28
18	26	25	24	21	94	38	87	97	60	42	31	28
19	26	25	24	21	86	34	92	104	60	41	31	28
20	26	25	24	21	84	45	97	111	59	40	30	28
21	26	25	24	20	92	46	109	121	58	39	29	28
22	26	24	24	20	85	83	115	136	56	39	29	28
23	26	25	23	18	75	74	121	150	55	38	28	29
24	26	25	23	20	78	66	125	150	55	38	29	29
25	25	25	23	27	78	74	103	161	53	38	29	28
26	25	25	23	45	79	82	93	163	52	37	28	27
27	25	25	22	37	69	76	100	172	51	36	28	28
28	25	25	23	42	68	61	94	172	50	36	28	29
29	25	-----	23	45	63	69	94	146	50	36	28	29
30	25	-----	23	42	66	75	109	108	53	36	28	29
31	26	-----	23	-----	74	-----	194	96	-----	35	-----	28
TOTAL	819	698	750	736	2,137	1,921	2,782	3,977	2,010	1,311	932	876
MEAN	26.4	24.9	24.2	24.5	68.9	64.0	89.7	128	67.0	42.3	31.1	28.3
MAX	28	26	26	45	95	83	194	172	90	53	35	30
MIN	25	24	22	18	35	34	55	89	50	35	28	27
AC-FT	1,620	1,380	1,490	1,460	4,240	3,810	5,520	7,890	3,990	2,600	1,850	1,740

TOTAL 12 MONTHS.--MEAN 51.9 MAX 194 MIN 18 AC-FT 37,590



OLIVER RESERVOIR on Lodgepole Creek - 1989

LOCATION.--SE1/4SW1/4 Sec. 36-15-57 W. near Kimball

GAGE.--Staff gage

PERIOD OF RECORD.--1977 - present

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	4810.0	4,690
Top of conservation pool	4804.0	2,680
Top of dead storage pool	4784.0	50

Date	Contents (Acre-feet)
December 31, 1988 .....	2,510
January 11, 1989 .....	2,550
February 15, 1989 .....	2,650
March 9, 1989 .....	2,710
April 12, 1989 .....	2,710
May 2, 1989 .....	2,670
June 9, 1989 .....	2,730
June 26, 1989 .....	2,600
July 14, 1989 .....	2,430
August 28, 1989 .....	2,040
September 25, 1989 .....	1,900
October 25, 1989 .....	1,860
November 29, 1989 .....	1,980
December 28, 1989 .....	2,080

## SOUTH PLATTE RIVER BASIN

LODGEPOLE CREEK below Oliver Reservoir - 1989

LOCATION.--SE1/4SW1/4 SEC. 36-15-57 W. near Kimball

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1981 - present

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1989, 20.3 cubic feet per second on April 17 at gage height 1.42 feet.

Minimum daily discharge, 0.22 cubic feet per second on July 10.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	.57	.88	4.4	2.5	1.6	6.6	.35	1.4	.96	.51	.38	.27
2	.56	.77	4.2	3.9	.72	6.8	.34	1.1	1.0	.52	.36	.30
3	.57	.76	4.1	3.3	1.5	7.0	.31	1.1	.88	.52	.37	.30
4	.54	.76	2.7	1.8	1.0	7.2	.36	1.0	.86	.48	.41	.33
5	.63	.76	3.7	1.9	1.3	7.4	.27	.95	.84	.50	.41	.33
6	.60	.69	4.9	1.9	.63	7.5	.29	1.0	.80	.57	.38	.32
7	.64	.76	5.0	3.9	.66	7.7	.29	1.0	.78	.47	.41	.40
8	.68	.76	4.7	1.6	.60	7.9	.24	.96	.88	.46	.43	.41
9	.85	.76	4.2	3.0	.57	8.1	.30	.87	.86	.45	.42	.37
10	.65	1.2	4.1	3.0	.62	7.7	.22	.90	.87	.54	.42	.34
11	.66	3.0	3.9	2.9	.59	7.2	.33	.93	.77	.60	.42	.36
12	.68	3.3	4.0	3.0	.98	6.8	.90	1.0	.77	.45	.36	.42
13	.60	3.4	4.7	2.9	1.9	6.3	.95	.98	.76	.48	.41	.42
14	.75	3.6	5.4	2.6	2.7	5.9	.88	.98	.76	.48	.39	.42
15	.79	3.6	3.8	2.6	5.9	5.4	.84	.94	.76	.49	.36	.42
16	.81	3.5	2.4	5.5	5.0	5.0	.83	.98	.76	.57	.36	.42
17	.77	3.4	4.0	8.6	4.2	4.5	.74	.87	.81	.39	.36	.42
18	.68	3.5	2.1	6.3	3.4	4.1	.71	.88	.74	.25	.36	.38
19	.62	3.7	2.6	5.8	4.2	3.6	.91	.87	.70	.33	.36	.36
20	.76	3.8	3.5	6.4	4.4	3.2	1.0	.93	.78	.33	.36	.33
21	.76	4.0	3.4	6.5	4.6	2.7	.97	.62	.84	.32	.37	.36
22	.78	3.8	3.7	6.6	4.8	2.3	.92	.72	.83	.37	.36	.36
23	.82	3.8	3.0	6.2	4.9	1.9	.99	.90	.79	.38	.36	.47
24	.84	3.8	3.1	6.4	5.1	1.4	.98	.92	.80	.35	.40	.42
25	.84	3.9	3.0	5.5	5.3	.96	.42	.77	.61	.37	.36	.37
26	.78	4.2	2.9	7.6	5.5	.51	.34	.83	.51	.37	.42	.36
27	.86	4.4	3.2	5.9	5.7	.38	.27	.92	.51	.35	.42	.37
28	.92	4.4	3.3	6.8	5.9	.42	.24	.92	.48	.40	.41	.38
29	.92	-----	2.9	3.7	6.1	.38	.44	.92	.51	.51	.32	.38
30	.96	-----	2.9	2.5	6.2	.41	1.3	.94	.49	.48	.24	.42
31	1.5	-----	2.5	-----	6.4	-----	1.3	.94	-----	.42	-----	.41
TOTAL	23.39	75.20	112.3	131.1	102.97	137.26	19.23	29.04	22.71	13.71	11.39	11.62
MEAN	.75	2.69	3.62	4.37	3.32	4.58	.62	.94	.76	.44	.38	.37
MAX	1.5	4.4	5.4	8.6	6.4	8.1	1.3	1.4	1.0	.60	.43	.47
MIN	.54	.69	2.1	1.6	.57	.38	.22	.62	.48	.25	.24	.27
AC-FT	46	149	223	260	204	272	38	58	45	27	23	23

TOTAL 12 MONTHS.--MEAN 1.89 MAX 8.6 MIN .22 AC-FT 1,370

# S O U T H P L A T T E R I V E R B A S I N

WESTERN CANAL from South Platte River - 1989

LOCATION.--NE1/4SE1/4 Sec. 14-12-43 W. near Julesburg, CO

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1918 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	69	70	35	127	52
2	0	65	58	24	117	47
3	0	66	56	88	136	43
4	0	63	54	120	141	36
5	0	63	46	77	138	33
6	0	68	40	61	134	38
7	0	124	44	50	113	38
8	0	129	50	44	116	37
9	5.8	22	51	45	140	41
10	33	79	45	94	100	44
11	33	26	43	61	125	50
12	35	70	34	88	132	42
13	36	71	41	112	83	41
14	32	72	41	73	21	44
15	36	70	43	60	6.0	14
16	124	82	38	47	4.0	0
17	74	87	37	42	2.0	0
18	77	63	37	49	46	0
19	72	42	39	113	65	0
20	67	32	37	105	56	0
21	134	22	34	80	46	0
22	92	30	32	64	50	0
23	89	26	31	56	42	0
24	82	30	28	44	36	0
25	78	37	33	43	33	0
26	76	45	33	35	27	0
27	73	38	29	87	25	0
28	72	46	32	107	51	0
29	70	141	37	130	68	0
30	69	137	24	138	63	0
31	70	-----	20	132	-----	0
<b>TOTAL</b>	1,529.8	1,915	1,237	2,304	2,243.0	600
<b>MEAN</b>	49.3	63.8	39.9	74.3	74.8	19.4
<b>MAX</b>	134	141	70	138	141	52
<b>MIN</b>	0	22	20	24	2.0	0
<b>AC-FT</b>	3,030	3,800	2,450	4,570	4,450	1,190
<b>TOTAL 6 MONTHS</b>		<b>AC-FT</b>	19,490			

## SOUTH PLATTE RIVER BASIN

FREMONT SLOUGH NO. 1 at North Platte - 1989

LOCATION.--NW1/4 Sec. 16-13-30 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1947 - 1961, 1963 - 1965, 1967 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	24	26	29	27	22	18	18	15	15	18	19	21
2	24	26	29	27	22	18	18	14	16	18	20	21
3	24	26	29	27	22	18	18	14	16	18	20	21
4	24	26	29	26	22	18	18	14	17	18	20	21
5	24	26	29	26	22	17	18	14	17	18	20	21
6	24	26	29	26	22	17	18	14	17	18	20	21
7	24	26	29	26	22	17	18	14	18	18	20	21
8	24	27	29	26	22	17	18	14	18	18	20	21
9	24	27	29	25	22	17	18	14	18	18	20	21
10	24	27	29	25	22	17	18	13	19	18	20	21
11	24	27	29	25	22	17	17	13	19	18	20	21
12	24	27	29	25	22	17	17	13	20	18	20	21
13	24	27	29	24	21	17	17	13	20	18	20	21
14	24	27	28	24	21	17	17	13	20	18	20	21
15	24	27	28	24	21	17	17	13	20	18	20	21
16	24	28	28	24	21	17	16	13	19	18	20	22
17	24	28	28	24	21	17	16	13	19	18	20	22
18	24	28	28	23	21	17	16	13	19	18	20	22
19	25	28	28	23	21	17	16	14	19	19	20	22
20	25	28	28	23	21	17	16	14	19	19	20	22
21	25	28	28	23	20	17	16	14	19	19	20	22
22	25	28	28	22	20	17	16	14	18	19	20	22
23	25	28	28	22	20	17	16	14	18	19	20	22
24	25	29	28	22	20	17	15	14	18	19	20	22
25	25	29	28	22	20	17	15	14	18	19	20	23
26	25	29	28	22	20	17	15	14	18	19	21	23
27	25	29	28	22	20	17	15	15	18	19	21	23
28	25	29	28	22	19	17	15	15	18	19	21	23
29	25	-----	28	22	19	18	15	15	18	19	21	23
30	25	-----	28	22	19	18	15	15	18	19	21	23
31	26	-----	27	-----	18	-----	15	15	-----	19	-----	23
TOTAL	758	767	880	721	647	516	513	431	546	571	604	674
MEAN	24.5	27.4	28.4	24.0	20.9	17.2	16.5	13.9	18.2	18.4	20.1	21.7
MAX	26	29	29	27	22	18	18	15	20	19	21	23
MIN	24	26	27	22	18	17	15	13	15	18	19	21
AC-FT	1,500	1,520	1,750	1,430	1,280	1,020	1,020	855	1,080	1,130	1,200	1,340

TOTAL 12 MONTHS.--MEAN 20.9 MAX 29 MIN 13 AC-FT 15,130

**P L A T T E   R I V E R   B A S I N**

CONFLUENCE OF NORTH AND SOUTH PLATTE RIVER near North Platte - 1989

PERIOD OF RECORD.--1949 - present

Values listed are the sum of the discharges of the North and South Platte Rivers, the Sutherland Power Return and Fremont Slough measured at the North Platte, Nebraska gaging stations.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1,430	1,830	1,670	986	1,060	1,350	1,790	3,790	1,320	854	820	778
2	1,430	1,740	1,550	950	1,010	1,320	1,800	3,120	1,190	853	784	803
3	1,450	1,700	1,550	953	1,100	1,290	1,640	3,050	1,240	988	782	808
4	1,340	1,540	1,450	930	1,190	1,280	1,590	3,060	1,160	990	781	816
5	1,190	1,450	1,550	1,090	1,330	1,260	1,580	3,020	1,120	1,020	785	836
6	1,230	1,510	1,540	927	1,350	1,250	1,920	3,060	1,060	1,000	795	862
7	1,230	1,510	1,550	853	1,330	1,390	2,290	3,180	1,000	1,000	799	844
8	1,210	1,510	1,550	848	1,330	1,430	2,420	3,080	926	993	787	841
9	1,360	1,510	1,440	855	1,250	1,380	2,820	2,880	989	851	788	852
10	1,450	1,510	1,440	851	1,250	1,370	3,060	2,750	971	801	789	839
11	1,670	1,480	2,360	804	1,280	1,410	3,210	2,850	955	810	786	804
12	1,520	1,400	2,490	869	1,320	1,590	3,240	2,930	1,050	815	768	748
13	1,480	1,390	1,930	881	1,360	1,660	3,390	3,160	1,180	811	788	747
14	1,580	1,400	1,600	856	1,380	1,490	3,520	3,180	1,130	861	774	751
15	1,900	1,350	1,470	803	1,410	1,460	3,480	3,070	1,090	856	762	701
16	1,920	1,360	1,430	800	1,350	1,450	3,380	2,920	1,050	858	768	702
17	1,830	1,380	1,370	863	1,380	1,370	3,080	2,850	1,020	860	753	742
18	1,610	1,410	1,320	791	1,380	1,320	2,960	2,980	999	862	781	707
19	1,590	1,540	1,290	807	1,290	1,300	2,710	3,040	968	872	768	687
20	1,540	1,630	1,270	813	1,220	1,360	2,650	3,100	964	870	773	671
21	1,730	1,670	1,280	817	1,290	1,650	2,660	3,050	938	870	785	674
22	1,820	1,550	1,290	791	1,300	2,060	2,610	3,050	912	884	801	662
23	1,860	1,500	1,250	780	1,260	2,640	2,570	3,080	887	886	810	651
24	1,900	1,700	1,260	817	1,240	3,160	2,610	3,100	900	846	817	667
25	1,900	1,700	1,130	811	1,220	3,580	2,890	3,180	889	858	830	698
26	1,820	2,040	1,100	844	1,200	3,050	3,350	3,300	867	853	830	728
27	1,810	1,940	1,170	844	1,190	2,460	3,330	3,410	865	849	838	738
28	1,850	1,770	1,140	853	1,180	1,850	3,440	3,050	847	854	830	813
29	1,790	-----	1,090	887	1,180	1,760	3,460	2,180	853	860	787	843
30	1,770	-----	1,040	1,000	1,180	1,800	3,550	1,820	854	845	794	873
31	1,830	-----	1,010	-----	1,220	-----	4,070	1,490	-----	843	-----	883
<b>TOTAL</b>	<b>50,040</b>	<b>44,020</b>	<b>44,580</b>	<b>25,974</b>	<b>39,030</b>	<b>51,740</b>	<b>87,070</b>	<b>91,780</b>	<b>30,194</b>	<b>27,273</b>	<b>23,753</b>	<b>23,769</b>
<b>MEAN</b>	<b>1,614</b>	<b>1,572</b>	<b>1,438</b>	<b>866</b>	<b>1,259</b>	<b>1,725</b>	<b>2,809</b>	<b>2,961</b>	<b>1,006</b>	<b>880</b>	<b>792</b>	<b>767</b>
<b>MAX</b>	<b>1,920</b>	<b>2,040</b>	<b>2,490</b>	<b>1,090</b>	<b>1,410</b>	<b>3,580</b>	<b>4,070</b>	<b>3,790</b>	<b>1,320</b>	<b>1,020</b>	<b>838</b>	<b>883</b>
<b>MIN</b>	<b>1,190</b>	<b>1,350</b>	<b>1,010</b>	<b>780</b>	<b>1,010</b>	<b>1,250</b>	<b>1,580</b>	<b>1,490</b>	<b>847</b>	<b>801</b>	<b>753</b>	<b>651</b>
<b>AC-FT</b>	<b>99,250</b>	<b>87,310</b>	<b>88,420</b>	<b>51,520</b>	<b>77,420</b>	<b>102,600</b>	<b>172,700</b>	<b>182,000</b>	<b>59,890</b>	<b>54,100</b>	<b>47,110</b>	<b>47,150</b>

TOTAL 12 MONTHS.--MEAN      1,477              MAX      4,070              MIN      651              AC-FT 1,069,000

## P L A T T E R I V E R B A S I N

TRI-COUNTY CANAL from Platte River - 1989

LOCATION.--NW1/4 Sec. 28-13-29 W. near North Platte

GAGE.--Continuous stage recorder and 30 ft. Parshall flume

PERIOD OF RECORD.--1941 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1,620	1,650	1,800	1,330	937	1,490	1,740	2,180	1,340	906	900	892
2	1,220	1,190	1,540	1,100	931	1,480	1,760	2,200	1,250	1,060	897	667
3	1,360	1,420	1,220	1,090	1,130	1,400	1,580	2,200	1,250	1,080	895	903
4	1,360	1,400	1,300	1,090	1,260	1,400	1,460	2,190	1,240	1,100	895	897
5	1,390	1,050	1,430	1,250	1,380	1,400	1,450	2,210	1,230	1,230	889	900
6	1,400	1,420	1,410	1,110	1,480	1,400	1,550	2,240	1,080	1,100	671	903
7	1,300	1,050	1,420	1,090	1,470	1,580	1,970	2,240	1,080	1,230	895	906
8	1,270	1,060	1,680	1,100	1,470	1,580	2,040	2,230	1,070	1,230	889	100
9	1,230	1,050	1,890	934	1,380	1,480	2,100	2,130	909	1,090	895	897
10	1,410	1,040	2,050	1,100	1,380	1,480	2,150	1,960	911	906	1,050	906
11	1,400	1,400	2,170	1,090	1,470	1,560	2,150	1,950	911	906	900	679
12	1,370	1,410	2,200	1,080	1,480	1,590	2,150	2,040	1,100	909	900	697
13	1,220	1,420	2,070	1,100	1,550	1,760	2,190	2,170	1,110	911	906	707
14	1,250	1,490	1,960	1,090	1,480	1,510	2,190	2,180	1,090	909	903	697
15	1,620	1,410	1,670	925	1,550	1,530	2,180	2,120	1,090	917	909	895
16	1,620	1,430	1,550	1,090	1,470	1,490	2,180	2,110	1,080	909	663	897
17	1,750	1,420	1,530	1,090	1,490	1,460	2,130	2,110	1,090	923	897	951
18	1,630	1,660	1,470	1,080	1,560	1,390	2,140	2,130	1,080	911	895	920
19	1,600	1,650	1,390	1,080	1,460	1,380	1,770	2,130	1,080	1,080	677	959
20	1,560	1,650	1,460	1,080	1,380	1,390	1,680	2,130	1,090	1,080	669	723
21	1,720	1,800	1,460	1,080	1,410	1,640	1,710	2,130	1,070	1,090	679	699
22	1,860	1,730	1,380	1,080	1,480	1,860	1,690	2,130	1,070	1,080	903	585
23	1,890	1,750	1,380	911	1,370	2,170	2,130	2,130	1,060	909	673	602
24	1,950	1,880	1,380	920	1,280	2,200	1,800	2,150	1,070	900	900	751
25	1,940	2,020	1,360	1,080	1,370	2,160	1,950	2,140	911	906	909	928
26	1,800	2,160	1,350	1,090	1,370	2,130	2,140	2,130	1,070	911	671	945
27	1,870	2,190	1,360	917	1,290	2,130	2,100	2,140	914	906	892	951
28	1,940	2,050	1,260	925	1,280	1,940	2,190	2,180	903	909	911	1,120
29	1,910	-----	1,130	931	1,270	1,700	2,200	2,140	1,070	900	1,080	953
30	1,820	-----	1,120	1,100	1,140	1,790	2,130	1,780	1,080	906	909	715
31	1,810	-----	1,250	-----	1,280	-----	2,140	1,500	-----	906	-----	959
TOTAL	49,090	42,850	47,640	31,933	42,248	49,470	60,740	65,400	32,299	30,710	25,722	26,104
MEAN	1,584	1,530	1,537	1,064	1,363	1,649	1,959	2,110	1,077	991	857	842
MAX	1,950	2,190	2,200	1,330	1,560	2,200	2,200	2,240	1,340	1,230	1,080	1,120
MIN	1,220	1,040	1,120	911	931	1,380	1,450	1,500	903	900	663	585
AC-FT	97,370	84,990	94,490	63,340	83,800	98,120	120,500	129,700	64,070	60,910	51,020	51,780

TOTAL 12 MONTHS.--MEAN 1,381 MAX 2,240 MIN 585 AC-FT 1,000,000

# P L A T T E R I V E R B A S I N

JEFFREY RESERVOIR from Platte River - 1989

LOCATION.--NE1/4NE1/4 Sec. 4-11-27 W. near Brady

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1977 - present

REMARKS.--Values furnished by Central Nebraska Public Power and Irrigation District

	STORAGE LEVEL				ELEVATION (feet)				CONTENT (acre-feet)			
	Normal operating level				2758.0				11,500			
	Top of dead storage pool				2734.2				6,350			
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	5,510	4,860	5,730	4,910	4,810	5,570	5,680	5,570	5,290	5,240	5,180	5,510
2	5,510	4,410	4,810	4,710	4,960	5,680	5,790	5,400	5,400	5,240	5,400	5,510
3	5,620	4,460	4,260	4,760	4,960	5,730	5,790	5,400	5,460	5,130	5,400	5,570
4	5,510	4,710	3,910	4,760	5,240	5,790	5,790	5,790	5,510	5,130	5,350	5,620
5	5,240	4,960	4,260	4,810	5,070	5,790	5,730	5,840	5,570	5,130	5,290	5,570
6	5,400	4,660	4,460	5,180	5,400	5,790	5,510	5,840	5,570	3,820	5,240	5,620
7	5,570	4,510	4,160	4,860	5,510	5,790	5,620	5,900	5,460	3,770	5,290	5,570
8	5,180	4,560	3,770	4,810	5,680	5,900	5,790	5,900	5,400	3,530	5,240	5,510
9	5,460	4,660	3,910	4,810	5,460	5,900	5,620	5,730	5,400	3,390	5,180	5,460
10	5,790	4,210	4,860	4,860	5,130	5,900	5,680	5,350	5,400	3,390	5,180	5,350
11	5,900	4,260	5,400	4,860	4,960	5,900	5,730	5,620	5,400	3,340	5,130	4,910
12	5,790	4,160	5,570	5,130	5,130	5,790	5,620	5,350	5,460	3,580	5,130	4,660
13	5,510	4,010	5,840	5,400	5,460	5,790	5,570	5,290	5,680	3,770	5,130	4,760
14	5,290	4,010	5,730	5,400	5,840	5,350	5,510	5,350	5,620	3,870	5,240	4,910
15	5,400	4,010	5,180	5,290	5,730	5,400	5,510	5,400	5,350	3,870	5,240	4,760
16	5,620	4,410	4,860	5,070	5,790	5,790	5,400	5,510	5,350	3,910	5,180	4,560
17	5,570	4,860	4,910	5,130	5,730	5,900	5,460	5,620	5,350	4,060	5,180	4,660
18	5,290	4,910	5,070	5,130	5,730	5,730	5,730	5,730	5,240	3,960	5,290	4,860
19	5,070	5,130	5,070	5,180	5,790	5,510	5,680	5,620	5,070	3,870	5,400	5,070
20	5,240	5,460	5,290	4,910	5,510	5,240	5,570	5,570	5,070	3,870	5,510	5,130
21	5,460	5,620	5,350	4,810	5,400	5,240	5,900	5,620	5,070	3,870	5,350	5,070
22	5,730	5,570	5,240	4,860	5,350	4,960	5,950	5,680	5,020	3,870	5,240	5,020
23	5,900	5,510	5,350	5,020	5,240	5,070	5,790	5,730	4,960	3,910	5,240	4,710
24	5,680	5,570	5,350	5,180	5,350	5,290	5,790	5,900	4,910	3,820	5,290	4,410
25	5,620	5,840	5,350	5,400	5,350	5,900	5,790	5,840	5,020	3,680	5,400	4,610
26	5,130	6,290	5,180	5,240	5,290	5,680	5,680	5,790	5,130	3,630	5,400	5,020
27	4,810	6,060	5,070	5,130	5,240	5,620	5,680	5,840	5,130	3,820	5,460	5,240
28	5,180	5,900	5,400	4,910	5,240	5,790	5,570	5,900	5,180	4,160	5,400	5,350
29	5,510	-----	5,570	4,710	5,240	5,620	5,570	5,790	5,180	4,410	5,400	5,460
30	5,510	-----	5,460	4,610	5,130	5,510	5,620	5,790	5,240	4,710	5,400	5,570
31	4,960	-----	5,180	-----	5,180	-----	5,680	5,510	-----	4,960	-----	5,620
MEAN	5,450	4,914	5,018	4,995	5,352	5,631	5,671	5,651	5,296	4,087	5,292	5,150
MAX	5,900	6,290	5,840	5,400	5,840	5,900	5,950	5,900	5,680	5,240	5,510	5,620
MIN	4,810	4,010	3,770	4,610	4,810	4,960	5,400	5,290	4,910	3,340	5,130	4,410

TOTAL 12 MONTHS.--MEAN      5,210      MAX      6,290      MIN      3,340

## P L A T T E R I V E R B A S I N

JEFFERY POWER RETURN to Platte River - 1989

LOCATION.--NE1/4SE1/4 Sec. 36-12-27 W. near Brady

GAGE.--Continuous stage recorder and 20 ft. Parshall flume

PERIOD OF RECORD.--1941 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	23	6.6	33	7.8	7.8	282	273	44	78	30	12	6.3
2	21	27	33	7.8	7.8	271	370	31	45	28	12	6.3
3	19	37	37	7.8	7.8	263	418	229	38	28	12	6.3
4	18	48	69	7.8	7.8	263	386	415	31	28	12	6.3
5	17	39	71	7.8	7.8	261	377	471	31	28	12	6.3
6	16	37	50	7.8	10	258	521	471	31	28	12	6.3
7	24	37	33	7.8	69	247	563	350	32	28	12	6.3
8	32	36	40	7.8	68	236	579	364	32	27	11	6.3
9	34	32	30	7.8	144	237	582	502	32	27	11	6.0
10	27	29	29	7.8	152	238	563	560	32	28	11	5.8
11	25	28	28	7.8	157	241	555	556	31	28	11	5.8
12	28	26	27	7.8	158	267	486	551	32	27	11	5.6
13	27	21	25	7.8	157	268	382	521	33	26	11	5.3
14	28	15	22	7.8	157	269	172	448	32	25	11	5.3
15	26	11	18	7.8	153	268	165	324	31	26	11	18
16	26	8.2	14	7.8	118	273	226	421	30	31	11	39
17	24	28	11	7.8	109	286	290	526	31	29	11	29
18	19	30	8.6	7.8	102	286	281	576	31	15	11	13
19	15	29	8.3	7.8	68	354	432	496	31	14	11	11
20	11	27	8.3	7.8	31	475	418	431	31	14	11	9.9
21	8.2	25	8.3	7.8	28	514	455	368	31	13	11	9.6
22	7.3	39	8.1	7.8	27	490	495	387	31	13	9.4	9.0
23	7.3	29	7.8	7.8	25	477	448	397	32	13	6.8	11
24	7.3	31	7.8	7.8	56	147	470	380	32	13	6.8	11
25	7.3	27	7.8	7.8	85	53	480	377	32	13	6.8	9.6
26	7.3	63	7.8	7.8	130	38	418	182	32	13	6.8	9.4
27	7.3	192	7.8	7.8	213	31	211	111	32	13	6.8	9.0
28	6.9	173	7.8	7.1	236	30	277	54	32	13	6.8	8.8
29	6.8	-----	7.8	7.8	238	109	252	63	32	13	6.6	8.8
30	6.8	-----	2.6	7.8	240	194	195	94	32	12	6.3	8.8
31	6.8	-----	7.4	-----	255	-----	48	89	-----	12	-----	8.8
TOTAL	539.3	1,130.8	676.2	233.3	3,225.0	7,626	11,788	10,789	1,013	656	301.1	307.9
MEAN	17.4	40.4	21.8	7.78	104	254	380	348	33.8	21.2	10.0	9.93
MAX	34	192	71	7.8	255	514	582	576	78	31	12	39
MIN	6.8	6.6	2.6	7.1	7.8	30	48	31	30	12	6.3	5.3
AC-FT	1,070	2,240	1,340	463	6,400	15,130	23,380	21,400	2,010	1,300	597	611

TOTAL 12 MONTHS.--MEAN 105 MAX 582 MIN 2.6 AC-FT 75,940



# P L A T T E R I V E R B A S I N

ELWOOD RESERVOIR from Platte River - 1989

LOCATION.--NW1/4NW1/4 Sec.43-8-22 W. near Elwood

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1978 - present

REMARKS.--Values furnished by Central Nebraska Public Power and Irrigation District.

Published storage values before 1984 were for storage above the minimum operating level. Add 13,085 acre-feet to values listed in pre-1984 reports before comparing to values in this report.

	STORAGE LEVEL			ELEVATION			CONTENT					
				(feet)			(acre-feet)					
Top of flood pool				2613.0			45,037					
Top of conservation pool				2607.0			37,800					
Minimum normal operating level				2576.3			12,100					
Top of dead storage pool				2568.8			8,295					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	27,100	25,500	23,800	24,300	32,500	38,000	37,100	27,700	17,900	21,300	28,500	26,200
2	27,000	25,400	23,700	24,600	32,700	38,100	37,100	27,300	17,900	21,400	28,400	26,100
3	27,000	25,300	23,700	24,900	32,900	38,100	37,000	26,900	17,800	21,700	28,300	26,100
4	26,900	25,200	23,700	25,200	33,100	38,300	36,900	26,500	17,800	21,800	28,200	26,100
5	26,900	25,100	23,700	25,600	33,200	38,300	36,800	26,200	17,700	22,100	28,100	25,900
6	26,800	25,100	23,600	25,400	33,400	38,400	36,700	25,800	17,700	22,200	28,100	25,800
7	26,800	25,000	23,600	26,200	33,600	38,100	36,500	25,500	17,700	22,500	28,000	25,700
8	26,700	24,900	23,500	26,500	33,800	38,100	36,100	25,000	17,700	22,700	27,900	25,700
9	26,700	24,900	23,500	26,700	34,100	38,100	35,700	24,700	17,600	22,900	27,800	25,600
10	26,600	24,800	23,400	27,000	34,200	38,000	35,300	24,300	17,600	23,100	27,800	25,600
11	26,600	24,800	23,400	27,300	34,400	38,100	35,000	23,800	17,600	23,500	27,800	25,500
12	26,500	24,700	23,300	27,600	34,600	38,000	34,600	23,500	17,700	23,800	27,700	25,400
13	26,500	24,700	23,300	27,900	34,800	37,800	34,300	23,100	17,900	24,100	27,600	25,300
14	26,500	24,600	23,200	28,200	35,000	37,800	33,800	22,700	18,000	24,300	27,500	25,300
15	26,500	24,500	23,200	28,500	35,200	37,700	33,500	22,200	18,100	24,500	27,400	25,200
16	26,400	24,400	23,100	28,800	35,500	37,700	33,200	21,800	18,200	24,800	27,300	25,100
17	26,400	24,400	23,100	29,100	35,800	37,700	33,000	21,400	18,300	25,000	27,300	25,000
18	26,300	24,300	23,100	29,400	36,000	37,600	32,700	21,000	18,500	25,300	27,200	25,000
19	26,200	24,300	23,100	29,600	36,200	37,300	32,400	20,600	18,700	25,600	27,100	24,900
20	26,100	24,300	23,000	29,700	36,300	37,100	32,000	20,200	18,900	25,800	27,000	24,900
21	26,100	24,200	23,000	30,200	36,600	36,700	31,600	19,800	19,200	26,100	26,900	24,800
22	26,000	24,100	22,900	30,400	36,700	36,200	31,200	19,400	19,400	26,400	26,800	24,800
23	25,900	24,100	22,900	30,700	36,800	35,800	30,900	19,000	19,600	26,600	26,800	24,700
24	25,800	24,000	22,800	30,700	37,000	36,100	30,400	18,700	19,800	26,900	26,700	24,600
25	25,800	24,000	22,800	31,200	37,100	36,100	30,200	18,200	19,800	27,200	26,600	24,500
26	25,700	23,900	22,700	31,500	37,200	36,100	29,800	17,900	20,300	27,500	26,500	24,400
27	25,600	23,900	22,700	31,800	37,500	36,300	29,400	18,100	20,400	27,800	26,500	24,400
28	25,600	23,800	23,000	32,000	37,600	36,600	29,000	18,000	20,600	28,000	26,400	24,300
29	25,600	-----	23,300	32,200	37,700	36,900	28,700	18,000	20,900	28,300	26,400	24,300
30	25,600	-----	23,600	32,400	37,800	37,000	28,400	17,900	21,000	28,600	26,300	24,200
31	25,500	-----	23,900	-----	37,900	-----	28,000	17,900	-----	28,600	-----	24,200
MEAN	26,310	24,580	23,280	28,520	35,390	37,400	33,460	22,040	18,680	24,850	27,360	25,150
MAX	27,100	25,500	23,900	32,400	37,900	38,400	39,000	27,700	21,000	28,600	28,500	26,200
MIN	25,500	23,800	22,700	24,300	32,500	35,800	28,000	17,900	17,600	21,300	26,300	24,200
TOTAL 12 MONTHS.--MEAN	27,270		MAX	39,000	MIN	17,600						

## P L A T T E R I V E R B A S I N

JOHNSON RESERVOIR from Platte River - 1989

LOCATION.--SW1/4NE1/4 Sec. 4-8-22 W. near Lexington

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1977 - present

REMARKS.--Values furnished by Central Nebraska Public Power and Irrigation District

	STORAGE LEVEL			ELEVATION (feet)			CONTENT (acre-feet)					
	Normal operating level			2621.0			54,000					
	Low water level			2601.5			17,880					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	40,500	42,200	42,900	39,600	38,400	41,000	45,700	43,900	44,900	40,300	39,600	41,200
2	41,000	42,200	42,900	39,600	38,600	41,000	45,700	44,400	44,400	39,800	39,800	41,000
3	41,000	41,000	43,400	39,800	38,900	41,000	44,700	44,900	44,200	39,600	40,500	40,500
4	41,000	41,200	42,700	39,400	39,100	41,200	43,900	45,400	44,200	39,400	40,800	41,000
5	41,000	41,500	42,200	38,900	39,600	41,500	43,900	45,200	44,200	38,900	41,200	41,000
6	41,500	41,500	41,500	38,900	40,100	41,900	43,900	44,900	44,400	38,900	41,200	41,500
7	41,700	41,500	40,800	38,900	40,500	42,700	43,400	44,900	44,400	39,800	41,500	41,500
8	41,700	41,500	40,300	38,900	41,200	43,400	43,400	45,200	44,700	39,800	41,500	41,500
9	41,500	41,200	40,100	38,600	41,700	43,400	43,400	44,400	44,700	39,800	40,800	41,500
10	41,000	41,000	40,500	38,600	42,200	43,700	43,200	43,900	44,700	40,800	39,800	41,500
11	40,800	40,800	41,000	38,600	42,400	43,900	42,700	42,900	44,200	40,500	39,600	41,500
12	41,500	41,200	41,500	38,400	42,900	43,900	42,200	41,900	44,400	40,300	39,400	41,700
13	41,900	40,500	41,900	38,400	42,900	43,900	42,200	41,500	43,700	40,100	39,600	41,700
14	42,200	41,000	42,200	38,400	42,900	43,900	41,900	41,500	43,200	40,100	39,600	41,500
15	42,200	41,200	41,700	38,400	42,900	44,200	43,200	41,500	43,200	40,100	39,600	41,500
16	42,200	40,800	41,200	38,400	43,400	43,200	44,900	41,500	43,200	40,100	39,800	41,500
17	42,200	40,500	41,500	38,400	44,200	42,900	44,900	41,500	43,200	40,100	39,800	41,500
18	42,400	40,500	41,700	38,400	44,200	42,700	45,200	41,000	42,900	40,100	40,100	41,200
19	42,400	40,800	41,700	38,400	44,200	42,400	44,400	40,800	43,200	40,100	40,100	41,000
20	42,700	41,000	41,900	38,600	43,900	42,200	44,900	40,800	42,900	40,100	40,100	40,800
21	42,900	41,200	41,700	38,600	43,900	41,500	44,700	41,000	42,700	39,800	39,800	40,800
22	42,200	41,000	40,800	38,900	44,200	40,500	43,900	41,000	42,700	39,800	40,300	40,500
23	42,700	41,000	40,300	38,900	43,900	39,600	43,200	40,800	42,400	39,800	40,300	40,800
24	42,200	41,000	39,800	38,600	43,400	41,000	42,700	40,300	42,200	39,800	40,500	40,800
25	42,700	41,700	39,400	38,200	43,400	43,900	41,900	40,800	42,200	39,800	40,500	40,800
26	42,700	42,400	39,400	38,400	42,900	44,200	41,000	41,900	41,900	40,300	40,500	40,800
27	42,900	42,900	39,100	38,400	42,400	43,700	40,800	44,900	41,700	40,500	40,800	40,500
28	42,700	43,200	39,400	38,400	41,900	43,700	40,800	45,200	41,200	40,300	40,800	40,500
29	42,700	-----	39,600	38,400	41,500	44,900	40,800	45,200	40,800	39,800	41,000	40,500
30	41,900	-----	39,800	38,400	41,200	45,700	40,800	45,200	40,500	39,800	41,000	40,300
31	41,900	-----	39,600	-----	41,000	-----	42,200	45,800	-----	39,600	-----	40,300
MEAN	41,930	41,340	41,050	38,690	42,060	42,760	43,240	43,040	43,240	39,940	40,330	41,060
MAX	42,900	43,200	43,400	39,800	44,200	45,700	45,700	45,800	44,900	40,800	41,500	41,700
MIN	40,500	40,500	39,100	38,200	38,400	39,600	40,800	40,300	40,500	38,900	39,400	40,300

TOTAL 12 MONTHS.--MEAN 41,560 MAX 45,800 MIN 38,200

# P L A T T E   R I V E R   B A S I N

PHELPS COUNTY CANAL from Platte River via Tri-County Canal - 1989

LOCATION.--NE1/4NE1/4 Sec. 11-8-21 W. near Overton

GAGE.--Continuous stage recorder and 30 ft. Parshall flume

PERIOD OF RECORD.--1947 - 1949, 1970 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	126	386	168	503	267
2	0	107	345	32	488	253
3	0	135	331	12	575	172
4	0	135	325	53	670	191
5	0	96	375	281	716	194
6	0	92	321	286	702	81
7	0	83	316	364	879	0
8	0	71	329	441	911	0
9	0	122	354	508	933	0
10	0	176	364	668	945	0
11	0	273	361	816	954	0
12	0	289	362	905	899	0
13	0	236	352	986	842	0
14	0	245	326	987	820	0
15	0	276	371	488	779	0
16	0	299	374	396	770	0
17	0	282	380	421	782	0
18	0	289	397	358	776	0
19	0	288	474	437	717	0
20	0	302	586	414	701	0
21	0	300	683	499	755	0
22	0	313	845	618	841	0
23	0	317	973	610	895	0
24	6.3	333	793	719	931	0
25	46	376	61	901	764	0
26	50	384	78	957	536	0
27	70	371	110	920	489	0
28	129	364	130	954	340	0
29	202	333	154	947	266	0
30	178	338	159	900	189	0
31	-----	393	-----	646	204	-----
TOTAL	681.3	7,744	11,415	17,692	21,572	1,158
MEAN	22.7	250	381	571	696	38.6
MAX	202	393	973	987	954	267
MIN	0	71	61	12	189	0
AC-FT	1,350	15,360	22,640	35,090	42,790	2,300

TOTAL 6 MONTHS.--AC-FT    119,500

## P L A T T E R I V E R B A S I N

JOHNSON POWER RETURN to Platte River - 1989

LOCATION.--SE1/4NW1/4 Sec. 2-8-21 W. near Overton

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1941 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	896	1,460	1,710	623	181	0	838	0	768	428	414	489
2	889	1,190	1,380	604	207	0	1,080	0	379	438	400	517
3	897	1,080	1,270	647	174	0	1,270	357	463	534	413	518
4	1,170	758	1,020	655	161	0	938	0	437	567	400	512
5	1,240	751	1,030	550	181	0	234	6.0	197	600	394	517
6	971	844	1,040	506	179	0	0	0	304	636	522	614
7	970	909	1,140	438	203	0	0	0	381	600	408	506
8	988	913	1,240	433	217	0	0	0	385	615	529	503
9	977	926	1,260	526	170	321	0	0	456	619	540	548
10	786	1,020	1,230	451	128	41	0	0	453	442	517	658
11	840	951	1,170	459	75	48	0	0	646	430	520	655
12	847	945	1,220	401	91	152	0	0	655	392	539	548
13	905	1,070	1,360	398	119	309	0	0	659	412	522	513
14	1,210	1,010	1,700	348	108	345	0	0	765	368	403	500
15	1,170	1,010	1,580	355	90	314	0	0	673	397	423	543
16	1,180	1,060	1,560	379	78	225	0	0	543	350	539	533
17	1,230	1,070	1,520	389	104	79	349	0	548	211	432	519
18	1,290	1,030	1,230	393	381	0	743	0	548	214	506	494
19	1,220	1,030	1,170	354	496	16	545	0	444	397	487	484
20	1,330	1,010	1,140	341	480	0	0	0	432	402	516	518
21	1,450	1,040	1,170	343	463	0	0	0	410	430	535	537
22	1,320	1,180	1,250	338	474	0	0	0	421	422	530	551
23	1,330	1,230	1,150	315	451	0	0	0	438	422	536	557
24	1,540	1,210	1,170	324	507	0	0	0	414	417	488	541
25	1,390	1,180	1,150	240	344	350	0	0	443	466	487	528
26	1,540	1,170	1,130	280	204	1,510	0	0	407	208	483	505
27	1,600	1,280	1,160	254	154	1,580	0	153	404	406	481	549
28	1,620	1,690	598	203	152	1,130	0	958	395	456	477	539
29	1,560	-----	598	149	227	429	0	1,210	392	478	483	598
30	1,560	-----	643	152	55	671	0	892	426	252	478	707
31	1,700	-----	646	-----	0	-----	0	840	-----	448	-----	709
TOTAL	37,616	30,017	36,635	11,848	6,854	7,520	5,997	4,416.0	14,286	13,457	14,402	17,210
MEAN	1,213	1,072	1,182	395	221	251	193	142	476	434	480	555
MAX	1,700	1,690	1,710	655	507	1,580	1,270	1,210	768	636	540	709
MIN	786	751	598	149	0	0	0	0	197	208	394	484
AC-FT	74,610	59,540	72,670	23,500	13,590	14,920	11,900	8,760	28,340	26,690	28,570	34,140
TOTAL 12 MONTHS.--MEAN		549	MAX	1,710	MIN	0	AC-FT	397,200				

# P L A T T E R I V E R B A S I N

WHITE HORSE CREEK near North Platte - 1989

LOCATION.--SW1/4 Sec. 5-13-29 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1922 - 1942, 1960 - 1961, 1963 - present

Day	May	Jun	Jul	Aug	Sep
1	13	18	8.3	8.7	10
2	13	16	8.4	8.7	10
3	13	14	8.5	8.5	10
4	13	13	8.6	8.3	10
5	13	11	8.7	8.1	10
6	13	11	8.8	7.8	11
7	12	10	8.9	7.6	11
8	12	10	8.9	7.4	11
9	12	9.9	9.0	7.2	11
10	12	9.6	9.0	7.0	11
11	12	9.3	9.0	6.8	11
12	14	9.0	9.1	6.6	11
13	16	8.7	9.1	6.3	11
14	18	8.4	9.2	6.1	11
15	20	8.1	9.2	5.9	10
16	22	7.9	9.2	6.2	10
17	24	7.6	9.3	6.5	10
18	26	7.3	9.3	6.7	10
19	28	7.0	9.3	7.0	10
20	30	7.1	9.2	7.3	9.8
21	32	7.2	9.2	7.6	9.7
22	34	7.3	9.1	7.9	9.6
23	32	7.4	9.1	8.1	9.5
24	31	7.5	9.1	8.4	9.3
25	29	7.6	9.0	8.7	9.2
26	27	7.7	9.0	9.0	9.1
27	26	7.8	8.9	9.2	9.0
28	24	8.0	8.9	9.5	8.8
29	23	8.1	8.9	9.8	8.7
30	21	8.2	8.8	9.9	8.7
31	19	-----	8.8	10	-----
TOTAL	634	279.7	277.8	242.8	300.4
MEAN	20.5	9.32	8.96	7.83	10.0
MAX	34	18	9.3	10	11
MIN	12	7.0	8.3	5.9	8.7
AC-FT	1,260	555	551	482	596
TOTAL 5 MONTHS.--MEAN	11.3		MAX 34	MIN 5.9	AC-FT 3,440

# P L A T T E   R I V E R   B A S I N

PLATTE RIVER passing Tri-County Diversion Dam - 1989

LOCATION.--SW1/4SW1/4 Sec. 10-13-29 W. near North Platte

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1958 - 1966, 1969 - present

Day	May	Jun	Jul	Aug	Sep
1	64	48	115	2,060	125
2	64	48	113	1,270	121
3	66	47	106	939	119
4	68	46	98	928	116
5	72	44	92	864	117
6	70	44	198	858	120
7	66	50	341	994	120
8	63	54	466	949	121
9	62	62	698	794	124
10	61	57	865	750	129
11	61	59	1,050	758	119
12	61	60	1,130	770	115
13	62	57	1,240	827	114
14	61	54	1,500	930	111
15	59	62	1,530	838	112
16	58	53	1,480	736	109
17	61	47	1,190	649	106
18	60	40	1,080	726	106
19	59	35	1,060	786	104
20	55	35	1,070	878	112
21	57	34	1,040	894	109
22	66	111	1,030	916	107
23	159	536	956	921	98
24	60	1,090	894	972	97
25	57	1,640	849	1,060	92
26	55	1,470	1,130	1,080	87
27	54	604	1,170	1,170	84
28	52	159	1,130	1,040	85
29	49	130	1,150	277	85
30	46	125	1,270	143	88
31	50	-----	1,680	130	-----
TOTAL	1,958	6,901	27,721	26,907	3,252
MEAN	63.2	230	894	868	108
MAX	159	1,640	1,680	2,060	129
MIN	46	34	92	130	84
AC-FT	3,880	13,690	54,980	53,370	6,450
TOTAL 5 MONTHS.--MEAN	436		MAX 2,060	MIN 34	AC-FT 132,400

# P L A T T E R I V E R B A S I N

111

THIRTY MILE CANAL from Platte River - 1989

LOCATION.--NW1/4NW1/4 Sec. 30-12-26 W. near Brady

GAGE.--Continuous stage recorder and 20 ft. Parshall flume

PERIOD OF RECORD.--1928 - present

Day	May	Jun	Jul	Aug	Sep
1	0	73	146	283	37
2	0	73	146	280	0
3	0	74	147	277	0
4	0	74	161	275	0
5	0	92	179	275	0
6	0	102	196	271	0
7	0	89	213	296	0
8	0	79	227	298	0
9	50	79	247	299	0
10	72	79	288	299	0
11	73	84	314	301	0
12	74	100	322	301	0
13	67	98	322	301	0
14	37	98	323	301	0
15	61	99	324	301	0
16	73	102	324	301	0
17	74	105	324	301	0
18	61	105	324	301	0
19	47	107	324	301	0
20	48	106	324	301	0
21	56	106	324	299	0
22	76	107	312	299	0
23	76	121	301	299	0
24	75	129	301	299	0
25	75	132	301	299	0
26	73	149	301	299	0
27	71	147	301	239	0
28	73	137	309	173	0
29	76	114	319	134	0
30	79	146	316	113	0
31	76	-----	297	113	-----
TOTAL	1,543	3,106	8,557	8,429	37
MEAN	49.8	104	276	272	1.23
MAX	79	149	324	301	37
MIN	0	73	146	113	0
AC-FT	3,060	6,160	16,970	16,720	73

TOTAL 5 MONTHS.--AC-FT 42,980

## P L A T T E R I V E R B A S I N

GOTHENBURG CANAL from Platte River - 1989

LOCATION.--NW1/4SW1/4 Sec. 28-12-26 W. near Brady

GAGE.--Continuous stage recorder and 20 ft. Parshall flume

PERIOD OF RECORD.--1916, 1918 - 1919, 1921 - 1943, 1945 - present

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	111	109	199	338	109	41
2	0	108	108	201	334	90	39
3	7.3	109	109	199	336	91	20
4	62	107	109	200	332	90	0
5	53	106	108	206	340	89	0
6	73	107	109	240	341	89	0
7	79	105	109	258	337	89	0
8	41	105	111	280	336	90	0
9	46	104	112	288	337	90	0
10	78	104	112	307	336	89	0
11	79	105	111	328	337	89	0
12	79	107	107	329	339	91	0
13	82	107	106	330	331	91	0
14	88	107	106	331	333	91	0
15	85	105	106	331	340	83	0
16	55	105	106	329	341	77	0
17	67	105	108	335	341	77	0
18	85	106	107	330	338	77	0
19	92	105	120	338	334	77	0
20	96	105	165	329	334	77	0
21	95	106	156	334	334	71	0
22	95	107	157	336	332	65	0
23	95	109	180	336	332	65	0
24	94	110	194	336	333	65	0
25	99	112	194	337	329	66	0
26	107	112	179	338	324	67	0
27	107	111	158	338	298	67	0
28	110	111	146	337	230	67	0
29	111	110	113	337	181	61	0
30	109	111	199	336	171	45	0
31	-----	111	-----	340	150	-----	0
TOTAL	2,269.3	3,333	3,914	9,393	9,749	2,385	100
MEAN	75.6	108	130	303	314	79.5	3.23
MAX	111	112	199	340	341	109	41
MIN	0	104	106	199	150	45	0
AC-FT	4,500	6,610	7,760	18,630	19,340	4,730	198

TOTAL 7 MONTHS.--AC-FT 61,770



**P L A T T E   R I V E R   B A S I N**

**BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River - 1989**

**LOCATION.--SW1/4NW1/4 Sec. 9-11-22 W. via Gothenburg Canal near Darr**

**GAGE.--Continuous stage recorder**

**PERIOD OF RECORD.--1983, 1985 - present**

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	17	25	22	0	26	15
2	0	21	22	23	0	24	6.2
3	0	23	21	23	0	19	0
4	0	23	21	24	0	17	0
5	0	22	19	23	0	17	0
6	0	21	16	20	0	22	0
7	0	18	17	19	0	25	0
8	0	20	14	14	0	26	0
9	0	20	15	5.9	0	28	0
10	0	19	13	0	0	28	0
11	0	17	14	0	0	26	0
12	0	17	15	0	0	26	0
13	0	18	14	0	0	27	0
14	0	19	16	0	4.2	28	0
15	0	20	17	0	3.9	28	0
16	0	19	18	0	0	27	0
17	0	20	15	0	0	26	0
18	1.4	20	13	0	0	21	0
19	9.8	20	11	0	0	20	0
20	15	21	14	0	0	21	0
21	12	22	24	0	0	20	0
22	11	18	24	0	3.6	21	0
23	11	19	19	0	6.7	20	0
24	11	21	20	0	7.2	21	0
25	9.6	21	24	0	3.1	20	0
26	14	20	23	0	0	21	0
27	15	22	22	0	2.8	21	0
28	15	23	20	0	14	21	0
29	18	22	19	0	21	22	0
30	19	22	16	0	23	21	0
31	-----	21	-----	0	26	-----	0
<b>TOTAL</b>	161.8	626	541	173.9	115.5	690	21.2
<b>MEAN</b>	5.39	20.2	18.0	5.61	3.73	23.0	.68
<b>MAX</b>	19	23	25	24	26	28	15
<b>MIN</b>	0	17	11	0	0	17	0
<b>AC-FT</b>	321	1,240	1,070	345	229	1,370	42

**TOTAL 7 MONTHS.--AC-FT    4,620**

# P L A T T E   R I V E R   B A S I N

SIX MILE CANAL from Platte River - 1989

LOCATION.--SE1/4SE1/4 Sec. 11-11-26 W. near Gothenburg

GAGE.--Continuous stage recorder and 3 ft. Parshall flume

PERIOD OF RECORD.--1919, 1922 - present

Day	May	Jun	Jul	Aug
1	0	4.5	10	23
2	0	4.4	11	19
3	0	4.2	12	16
4	0	3.8	12	28
5	0	3.7	12	31
6	0	3.1	15	33
7	0	4.8	14	30
8	0	4.9	17	24
9	0	4.4	23	24
10	0	4.3	31	21
11	0	4.2	34	18
12	0	3.8	34	17
13	0	3.3	28	15
14	0	3.0	29	14
15	0	3.1	30	14
16	0	2.7	31	16
17	0	2.8	32	18
18	0	2.9	28	19
19	0	2.8	30	20
20	0	3.4	27	20
21	0	6.3	26	23
22	0	7.0	29	21
23	0	5.6	24	26
24	.75	7.6	24	26
25	1.1	14	25	24
26	1.2	30	26	19
27	1.7	19	26	21
28	2.6	11	26	10
29	2.6	11	29	.10
30	2.7	10	31	0
31	3.6	-----	28	0
<b>TOTAL</b>	16.25	195.6	754	590.10
<b>MEAN</b>	.52	6.52	24.3	19.0
<b>MAX</b>	3.6	30	34	33
<b>MIN</b>	0	2.7	10	0
<b>AC-FT</b>	32	388	1,500	1,170

TOTAL 4 MONTHS.--AC-FT      3,090

# P L A T T E R I V E R B A S I N

COZAD CANAL from Platte River - 1989

LOCATION.--SE1/4SW1/4 Sec. 15-11-25 W. near Gothenburg

GAGE.--Continuous stage recorder and 20 ft. Parshall flume

PERIOD OF RECORD.--1918 - present

Day	Apr	May	Jun	Jul	Aug
1	0	34	61	88	233
2	0	40	54	88	232
3	0	41	51	91	233
4	0	41	51	90	232
5	0	38	51	99	232
6	0	39	51	150	232
7	0	38	52	178	231
8	0	34	53	192	231
9	0	40	54	201	231
10	0	41	58	234	231
11	0	42	61	250	231
12	0	42	71	257	230
13	0	42	77	261	228
14	0	43	79	261	228
15	0	43	80	261	226
16	0	43	81	260	224
17	0	43	82	254	224
18	0	43	82	244	228
19	0	42	81	239	228
20	0	42	82	237	229
21	0	42	82	235	229
22	0	39	82	236	229
23	0	39	90	237	229
24	0	36	109	237	229
25	0	32	106	236	229
26	0	52	97	235	229
27	0	62	106	235	114
28	0	61	113	236	4.5
29	0	61	111	236	.45
30	11	61	87	236	0
31	-----	61	-----	235	0
<b>TOTAL</b>	<b>11</b>	<b>1,357</b>	<b>2,295</b>	<b>6,529</b>	<b>6,086.95</b>
<b>MEAN</b>	<b>.37</b>	<b>43.8</b>	<b>76.5</b>	<b>211</b>	<b>196</b>
<b>MAX</b>	<b>11</b>	<b>62</b>	<b>113</b>	<b>261</b>	<b>233</b>
<b>MIN</b>	<b>0</b>	<b>32</b>	<b>51</b>	<b>88</b>	<b>0</b>
<b>AC-FT</b>	<b>22</b>	<b>2,690</b>	<b>4,550</b>	<b>12,950</b>	<b>12,070</b>

**TOTAL 5 MONTHS.--AC-FT      32,280**

# P L A T T E   R I V E R   B A S I N

ORCHARD ALFALFA CANAL from Platte River - 1989

LOCATION.--SW1/4SW1/4 Sec. 10-10-24 W. near Cozad

GAGE.--Continuous stage recorder and 10 ft. Parshall flume

PERIOD OF RECORD.--1918 - present

Day	May	Jun	Jul	Aug
1	0	19	.62	65
2	0	20	2.7	64
3	0	21	3.3	61
4	0	21	1.7	61
5	4.7	21	22	62
6	18	21	40	64
7	19	24	44	71
8	20	24	49	74
9	21	24	53	74
10	21	24	63	74
11	21	24	67	76
12	22	24	59	76
13	25	24	59	76
14	25	23	62	75
15	25	23	66	73
16	25	23	68	71
17	25	24	69	72
18	26	24	61	71
19	26	23	52	75
20	23	28	47	75
21	21	35	43	76
22	19	35	43	74
23	19	44	43	74
24	18	52	55	75
25	19	43	62	76
26	19	23	67	74
27	19	18	67	57
28	20	9.5	66	31
29	20	3.3	72	12
30	20	2.6	73	6.7
31	20	-----	61	.10
<b>TOTAL</b>	560.7	724.4	1,541.32	1,965.80
<b>MEAN</b>	18.1	24.1	49.7	63.4
<b>MAX</b>	26	52	73	76
<b>MIN</b>	0	2.6	.62	.10
<b>AC-FT</b>	1,110	1,440	3,060	3,900

TOTAL 4 MONTHS.--AC FT            9,510

**P L A T T E   R I V E R   B A S I N**

DAWSON COUNTY CANAL from Platte River - 1989

LOCATION.--SW1/4SE1/4 Sec. 7-10-23 W. at Cozad

GAGE.--Continuous stage recorder and 25 ft. Parshall flume

PERIOD OF RECORD.--1918 - present

Day	May	Jun	Jul	Aug	Sep
1	0	153	199	479	180
2	33	159	205	476	181
3	73	158	205	451	181
4	74	160	205	469	181
5	70	160	203	478	80
6	63	146	171	477	0
7	70	160	238	464	0
8	87	165	262	456	0
9	92	162	287	457	0
10	95	165	376	458	0
11	88	167	478	459	0
12	92	166	508	458	0
13	97	161	513	460	0
14	94	158	511	460	0
15	93	158	501	460	0
16	88	157	515	458	0
17	88	155	515	459	0
18	93	162	511	457	0
19	93	154	514	461	0
20	87	162	503	460	0
21	84	207	493	462	0
22	86	254	497	457	0
23	87	262	496	464	0
24	80	278	498	453	0
25	109	235	486	459	0
26	101	204	482	453	0
27	90	197	470	384	0
28	120	203	451	300	0
29	134	198	480	220	0
30	142	196	481	200	0
31	138	-----	478	180	-----
<b>TOTAL</b>	<b>2,741</b>	<b>5,422</b>	<b>12,732</b>	<b>13,289</b>	<b>803</b>
<b>MEAN</b>	<b>88.4</b>	<b>181</b>	<b>411</b>	<b>429</b>	<b>26.8</b>
<b>MAX</b>	<b>142</b>	<b>278</b>	<b>515</b>	<b>479</b>	<b>181</b>
<b>MIN</b>	<b>0</b>	<b>146</b>	<b>171</b>	<b>180</b>	<b>0</b>
<b>AC-FT</b>	<b>5,440</b>	<b>10,750</b>	<b>25,250</b>	<b>26,360</b>	<b>1,590</b>

**TOTAL 5 MONTHS.--AC-FT      69,390**

# P L A T T E R I V E R B A S I N

DAWSON COUNTY DRAIN NO. 2 near Darr - 1989

LOCATION.--SE1/4NE1/4 Sec. 25-10-23 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1932 - present

Day	May	Jun	Jul	Aug	Sep
1	1.5	2.7	5.7	20	22
2	1.4	2.7	6.0	20	21
3	1.4	2.8	6.3	20	20
4	1.4	2.9	6.5	19	18
5	1.4	3.0	6.8	19	17
6	1.3	3.0	7.3	19	16
7	1.3	3.1	7.8	19	15
8	1.3	3.1	8.3	19	14
9	1.3	3.1	8.9	18	13
10	1.2	3.0	9.4	18	12
11	1.2	3.0	9.9	18	11
12	1.2	3.0	10	18	9.9
13	1.3	3.0	11	18	9.7
14	1.4	2.9	11	17	9.5
15	1.4	2.9	12	17	9.2
16	1.5	2.9	12	17	9.0
17	1.6	2.9	13	18	8.8
18	1.6	2.8	13	18	8.6
19	1.7	2.8	14	19	8.4
20	1.8	2.8	14	20	8.2
21	1.9	3.1	15	21	7.9
22	2.0	3.3	15	22	7.7
23	2.0	3.6	16	22	7.5
24	2.1	3.9	16	23	7.3
25	2.2	4.1	17	24	7.1
26	2.2	4.4	17	24	6.8
27	2.3	4.7	18	25	6.6
28	2.4	4.9	18	26	6.4
29	2.5	5.2	19	25	6.2
30	2.5	5.5	19	24	6.2
31	2.6	-----	20	23	-----
TOTAL	52.9	101.1	382.9	630	330.0
MEAN	1.71	3.37	12.4	20.3	11.0
MAX	2.6	5.5	20	26	22
MIN	1.2	2.7	5.7	17	6.2
AC-FT	105	201	759	1,250	655
TOTAL 5 MONTHS.--MEAN	9.78		MAX 26	MIN 1.2	AC-FT 2,970

# P L A T T E R I V E R B A S I N

119

PLUM CREEK near Smithfield - 1989

LOCATION.--SE1/4SW1/4 SEC.21-8-21 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1980 - present

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 905 cubic feet per second, June 25, 1989, gage height 13.91 feet.  
Minimum daily discharge 0.01 cubic feet per second, several days in 1980 and 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 905 cubic feet per second, June 25, gage height 13.91.  
Minimum daily discharge 6.2 cubic feet per second, February 19.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10	15	21	12	9.3	9.5	92	15	24	9.3	11	13
2	9.9	9.9	17	13	9.7	10	83	12	17	9.0	10	12
3	7.2	10	13	13	10	9.8	68	9.5	14	9.0	8.8	14
4	10	11	17	13	10	9.6	26	8.4	16	8.6	9.4	13
5	11	7.4	15	12	13	9.3	18	7.0	13	8.7	10	12
6	13	7.6	19	12	11	9.7	14	6.5	13	10	11	14
7	14	8.1	16	12	10	9.8	12	6.9	12	11	10	13
8	6.5	8.0	14	12	11	12	12	8.1	12	10	12	12
9	13	9.4	20	12	11	9.6	11	8.5	16	10	12	11
10	12	9.5	22	11	10	9.1	11	8.7	18	10	11	11
11	11	9.5	20	11	9.7	9.4	11	8.8	13	10	11	16
12	11	10	19	11	10	10	11	8.4	14	10	11	12
13	10	11	18	12	11	10	11	7.8	26	10	11	11
14	8.9	12	17	12	14	8.9	28	8.6	23	9.8	11	11
15	15	13	16	12	13	8.7	22	10	16	9.6	11	9.9
16	11	13	14	11	12	9.0	14	12	14	9.6	11	8.6
17	11	11	13	12	12	9.3	15	10	14	9.6	10	9.8
18	11	10	13	11	15	9.1	28	10	12	9.3	11	11
19	11	6.2	12	10	24	10	40	10	12	9.2	11	9.9
20	11	6.4	13	11	17	9.1	22	9.8	11	9.4	11	9.4
21	11	20	12	12	13	8.4	19	9.3	11	10	11	9.2
22	12	27	13	11	13	7.8	12	8.3	10	12	11	9.5
23	14	17	13	11	13	7.2	9.9	7.0	10	11	11	10
24	12	7.9	14	11	12	59	13	6.9	9.3	11	11	9.7
25	11	21	15	11	11	716	12	7.1	9.3	11	11	9.4
26	8.2	20	14	10	9.6	576	12	7.4	9.0	11	12	11
27	15	19	14	10	9.1	487	11	95	9.5	11	11	14
28	13	23	15	11	8.9	96	10	307	9.5	13	12	13
29	15	-----	15	9.5	9.4	30	11	253	9.5	11	12	13
30	16	-----	14	9.1	9.8	67	11	151	9.3	12	12	12
31	15	-----	13	-----	9.6	-----	14	61	-----	11	-----	11
TOTAL	359.7	352.9	481	340.6	361.1	2,246.3	683.9	1,099.0	406.4	316.1	328.2	355.4
MEAN	11.6	12.6	15.5	11.4	11.6	74.9	22.1	35.5	13.5	10.2	10.9	11.5
MAX	16	27	22	13	24	716	92	307	26	13	12	16
MIN	6.5	6.2	12	9.1	8.9	7.2	9.9	6.5	9.0	8.6	8.8	8.6
AC-FT	713	700	954	676	716	4,460	1,360	2,180	806	627	651	705

TOTAL 12 MONTHS.--MEAN      20.1      MAX      716      MIN      6.2      AC-FT      14,540

## P L A T T E R I V E R B A S I N

STREVER (SPRING) CREEK near Overton - 1989

LOCATION.--NE1/4NW1/4 Sec. 1-8-20 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1932 - 1934, 1936 - present

Day	May	Jun	Jul	Aug	Sep
1	9.5	15	44	91	82
2	9.8	16	48	88	78
3	10	16	51	86	75
4	10	17	55	83	71
5	10	18	58	81	67
6	11	19	58	78	63
7	11	19	59	75	59
8	11	20	59	73	55
9	11	20	59	70	52
10	12	19	59	68	48
11	12	18	60	65	44
12	12	18	60	62	40
13	12	18	60	60	39
14	12	17	60	57	38
15	12	16	61	55	36
16	11	16	61	52	35
17	11	16	61	54	34
18	11	15	61	57	33
19	11	14	62	59	31
20	11	14	62	61	30
21	11	14	64	63	29
22	10	13	67	66	28
23	10	16	69	68	26
24	10	20	72	70	25
25	10	23	74	72	24
26	11	27	77	75	23
27	11	30	79	77	21
28	12	34	81	79	20
29	13	37	84	82	19
30	14	41	86	84	19
31	14	-----	89	96	-----
TOTAL	346.3	596	2,000	2,207	1,244
MEAN	11.2	19.9	64.5	71.2	41.5
MAX	14	41	89	96	82
MIN	9.5	13	44	52	19
AC-FT	687	1,180	3,970	4,380	2,470

TOTAL 5 MONTHS.--MEAN 41.8 MAX 96 MIN 9.5 AC-FT 12,690



# P L A T T E R I V E R B A S I N

BUFFALO CREEK near Elm Creek - 1989

LOCATION.--NE1/4NE1/4 Sec. 5-8-18 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1925, 1927 - 1928, 1933 - present

Day	May	Jun	Jul	Aug	Sep
1	0	2.1	59	48	52
2	0	4.1	57	49	53
3	0	6.2	55	49	55
4	0	8.3	52	50	57
5	4.8	10	50	50	59
6	9.5	12	48	50	60
7	14	14	46	51	62
8	19	17	43	51	50
9	24	19	41	52	25
10	28	21	39	52	15
11	33	23	36	51	10
12	38	25	34	50	10
13	38	27	35	49	10
14	39	29	36	48	10
15	39	31	37	47	10
16	39	33	37	46	9.0
17	40	36	38	45	9.0
18	40	38	39	44	9.0
19	37	40	40	43	9.0
20	34	43	41	42	8.8
21	31	45	42	41	8.6
22	28	48	43	40	8.4
23	25	50	43	39	8.1
24	22	52	44	38	7.9
25	18	55	45	40	7.6
26	15	57	46	41	7.4
27	12	59	46	43	7.2
28	9.2	62	47	45	6.9
29	6.1	64	47	47	6.7
30	3.0	62	48	48	6.7
31	0	-----	48	50	-----
TOTAL	645.6	992.7	1,362	1,439	658.3
MEAN	20.8	33.1	43.9	46.4	21.9
MAX	40	64	59	52	62
MIN	0	2.1	34	38	6.7
AC-FT	1,280	1,970	2,700	2,850	1,310
TOTAL 5 MONTHS.--MEAN 33.3 MAX 64 MIN 0 AC-FT 10,110					

## P L A T T E R I V E R B A S I N

ELM CREEK near Elm Creek - 1989

LOCATION.--SE1/4NW1/4 Sec. 35-9-18 W.

GAGE.--Stall gage

PERIOD OF RECORD.--1932 - 1960, 1962 - present

Day	May	Jun	Jul	Aug	Sep
1	0	12	16	4.9	3.0
2	0	12	16	4.6	2.5
3	0	11	16	4.3	2.0
4	0	11	15	4.0	1.5
5	.90	11	15	3.6	1.0
6	1.7	11	15	3.3	.50
7	2.6	11	15	3.0	0
8	3.4	11	14	2.6	0
9	4.3	11	14	2.3	0
10	5.1	10	14	2.0	0
11	6.0	10	13	2.4	0
12	6.9	10	13	2.7	0
13	7.7	10	13	3.1	0
14	8.6	9.8	12	3.4	0
15	9.4	9.7	12	3.8	0
16	10	10	11	4.1	0
17	11	11	11	4.5	0
18	12	11	10	4.9	0
19	12	12	9.9	5.2	0
20	12	12	9.5	5.6	0
21	12	13	9.1	5.9	0
22	12	13	8.6	6.3	0
23	12	14	8.2	6.6	0
24	12	14	7.8	7.0	0
25	12	15	7.3	6.5	0
26	12	15	6.9	6.0	0
27	12	16	6.6	5.5	0
28	12	16	6.2	5.0	0
29	12	17	5.9	4.5	0
30	12	17	5.6	4.0	0
31	12	-----	5.3	3.5	-----
TOTAL	245.60	366.5	341.9	135.1	10.50
MEAN	7.92	12.2	11.0	4.36	.35
MAX	12	17	16	7.0	3.0
MIN	0	9.7	5.3	2.0	0
AC-FT	487	727	678	268	21
TOTAL 5 MONTHS.--MEAN	7.19		MAX 17	MIN 0	AC-FT 2,180

# P L A T T E R I V E R B A S I N

123

KEARNEY CANAL from Platte River - 1989

LOCATION.--SW1/4SW1/4 Sec. 2-8-18 W. near Elm Creek

GAGE.--Continuous stage recorder and 25 ft. Parshall flume

PERIOD.--1919, 1921 - present

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	170	183	131	292	245	286
2	0	182	178	122	312	236	298
3	0	203	190	106	320	231	299
4	0	218	187	99	291	246	300
5	0	248	190	171	256	225	311
6	0	244	188	232	257	221	310
7	0	250	214	275	266	228	311
8	0	257	207	263	280	204	312
9	0	253	222	259	281	141	309
10	0	246	311	269	270	135	306
11	0	231	281	274	263	170	300
12	0	224	275	267	257	226	297
13	0	261	297	266	254	216	271
14	0	259	305	261	255	220	242
15	0	258	306	208	258	222	227
16	0	257	301	211	261	214	227
17	81	263	284	269	234	206	130
18	153	277	255	342	229	220	0
19	151	291	194	342	254	280	0
20	148	292	166	312	251	273	0
21	165	294	139	276	257	288	0
22	183	289	133	270	256	294	0
23	183	286	155	266	252	293	0
24	183	290	192	275	233	292	0
25	180	284	92	267	237	291	0
26	178	278	88	250	218	288	0
27	179	260	99	228	251	287	0
28	174	240	126	213	280	285	0
29	171	252	97	211	277	283	0
30	170	264	114	204	266	282	0
31	-----	218	-----	275	258	-----	0
TOTAL	2,299	7,839	5,969	7,414	8,126	7,242	4,736
MEAN	76.6	253	199	239	262	241	153
MAX	183	294	311	342	320	294	312
MIN	0	170	88	99	218	135	0
AC-FT	4,560	15,550	11,840	14,710	16,120	14,360	9,390

TOTAL 7 MONTHS.--AC-FT 86,530

## P L A T T E R I V E R B A S I N

KEARNEY POWER RETURN to Platte River - 1989

LOCATION.--NE1/4NE1/4 Sec. 3-8-16 W. at Kearney

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1939 - present

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	149	136	3.8	248	199	244
2	0	150	123	.67	265	198	253
3	0	170	123	66	282	190	253
4	0	170	128	82	266	207	264
5	0	215	130	74	223	189	271
6	0	222	117	199	213	167	267
7	0	226	150	239	209	175	265
8	0	238	158	234	205	191	273
9	0	234	153	225	202	144	274
10	0	224	222	225	200	121	276
11	0	212	231	224	194	117	270
12	0	192	228	220	193	192	264
13	0	232	236	204	202	201	256
14	0	236	255	222	195	182	226
15	0	235	261	225	189	194	203
16	0	229	254	189	188	193	190
17	0	234	250	248	176	184	117
18	0	257	234	285	166	179	18
19	67	261	179	306	213	228	3.0
20	126	264	141	294	218	235	0
21	124	267	106	241	214	235	0
22	151	260	90	229	206	249	0
23	153	241	109	225	200	248	0
24	134	237	245	233	182	250	0
25	115	239	219	223	192	250	0
26	139	237	96	198	190	247	0
27	147	223	4.5	166	237	250	0
28	147	213	1.8	141	235	248	0
29	146	194	4.0	150	231	243	0
30	146	217	34	152	227	241	0
31	-----	189	-----	215	217	-----	0
TOTAL	1,595	6,867	4,618.3	5,938.47	6,578	6,147	4,187.0
MEAN	53.2	222	154	192	212	205	135
MAX	153	267	261	306	282	250	276
MIN	0	149	1.8	.67	166	117	0
AC-FT	3,160	13,620	9,160	11,780	13,050	12,190	8,300

TOTAL 7 MONTHS.--AC-FT 71,260

**P L A T T E   R I V E R   B A S I N**  
**(   L O U P   R I V E R )**

SARGENT CANAL from Middle Loup River - 1989

LOCATION.--NW1/4NE1/4 Sec. 32-21-21 W. near Milburn

GAGE.--Continuous stage recorder and 10 ft. Parshall flume

PERIOD OF RECORD.--1957 - present

Day	Jun	Jul	Aug	Sep
1	0	76	259	126
2	0	73	256	133
3	0	72	258	133
4	0	71	259	97
5	0	74	244	72
6	0	93	238	73
7	0	142	229	60
8	0	194	216	64
9	0	209	214	70
10	0	229	215	70
11	0	253	216	61
12	0	267	188	11
13	22	271	188	0
14	57	274	190	0
15	75	182	190	0
16	76	117	166	0
17	76	108	149	0
18	76	85	143	0
19	76	85	95	0
20	74	94	64	0
21	74	121	59	0
22	74	141	65	0
23	75	155	71	0
24	75	200	85	0
25	75	239	105	0
26	75	252	125	0
27	75	271	126	0
28	76	270	142	0
29	76	267	132	0
30	75	265	121	0
31	-----	264	118	-----
TOTAL	1,282	5,414	5,126	970
MEAN	42.7	175	165	32.3
MAX	76	274	259	133
MIN	0	71	59	0
AC-FT	2,540	10,740	10,170	1,920

TOTAL 4 MONTHS.--AC-FT    25,370

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 1 from Middle Loup River - 1989

LOCATION.--SW1/4NW1/4 Sec. 14-19-18 W. near Sargent

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1936 - present

REMARKS.--Records from 1944 - 1946 are published in the  
1980 Hydrographic Report.

Day	May	Jun	Jul	Aug	Sep
1	0	11	18	38	20
2	0	9.7	16	38	21
3	0	16	16	39	20
4	0	20	15	38	15
5	0	18	17	38	9.8
6	0	17	20	38	9.0
7	0	19	23	37	8.7
8	0	20	25	37	4.3
9	1.3	17	30	38	0
10	13	18	36	37	0
11	20	13	43	37	0
12	19	9.3	46	37	0
13	19	9.3	45	37	0
14	17	8.4	44	35	0
15	15	9.5	39	35	0
16	16	13	38	36	0
17	17	14	31	35	0
18	18	15	16	35	0
19	15	13	18	23	0
20	16	14	21	11	0
21	15	16	24	12	0
22	15	16	24	14	0
23	16	16	24	18	0
24	16	17	29	21	0
25	16	20	34	23	0
26	16	21	38	26	0
27	18	18	41	23	0
28	14	16	43	20	0
29	12	15	24	20	0
30	12	18	16	19	0
31	13	-----	34	19	-----
TOTAL	349.3	457.2	888	914	107.8
MEAN	11.3	15.2	28.6	29.5	3.59
MAX	20	21	46	39	21
MIN	0	8.4	15	11	0
AC-FT	693	907	1,760	1,810	214

TOTAL 5 MONTHS.--AC-FT 5,390

**P L A T T E   R I V E R   B A S I N**  
**(   L O U P   R I V E R )**

MIDDLE LOUP CANAL NO. 1 PUMP from Middle Loup River - 1989

LOCATION.--Sec. 19-19-17 W. near Sargent

GAGE.--Flow Meter

PERIOD OF RECORD.--1987 - present

Day	Jul	Aug
1	0	5.0
2	0	9.0
3	0	9.0
4	0	9.0
5	0	9.0
6	0	9.0
7	0	9.0
8	0	9.0
9	0	9.0
10	0	9.0
11	0	9.0
12	5.0	9.0
13	9.0	9.0
14	9.0	9.0
15	9.0	9.0
16	9.0	9.0
17	5.0	9.0
18	0	9.0
19	0	3.0
20	0	0
21	0	0
22	0	0
23	0	0
24	4.0	0
25	9.0	0
26	9.0	0
27	9.0	0
28	9.0	0
29	4.0	0
30	0	0
31	0	0
<b>TOTAL</b>	<b>90.0</b>	<b>161.0</b>
<b>MEAN</b>	<b>2.90</b>	<b>5.19</b>
<b>MAX</b>	<b>9.0</b>	<b>9.0</b>
<b>MIN</b>	<b>0</b>	<b>0</b>
<b>AC-FT</b>	<b>179</b>	<b>319</b>

TOTAL 2 MONTHS.--AC-FT            498

**P L A T T E   R I V E R   B A S I N**  
**( L O U P   R I V E R )**

MIDDLE LOUP SPILLWAY NO. 1 - 1989

LOCATION.--NE1/4SE1/4 Sec. 27-16-17 W. near Comstock

GAGE.--Continuous stage recorder and 5.8 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	May	Jun	Jul	Aug	Sep
1	0	5.0	11	5.5	9.9
2	0	5.1	9.9	6.1	9.8
3	0	5.0	9.5	3.9	13
4	0	7.6	9.4	2.7	14
5	0	9.6	8.8	4.1	8.2
6	0	9.7	11	4.3	9.3
7	0	11	10	3.3	6.7
8	0	12	11	.24	5.8
9	0	11	9.2	.05	.87
10	.60	9.3	9.0	4.9	.12
11	1.2	8.0	6.2	6.8	.35
12	7.5	7.6	3.6	7.6	.03
13	11	6.7	3.8	8.7	0
14	12	4.5	1.2	7.4	0
15	6.6	3.5	8.3	7.0	0
16	2.9	7.6	13	6.8	0
17	5.1	8.1	14	6.8	0
18	9.4	9.9	6.2	9.5	0
19	7.8	7.6	6.0	13	0
20	7.5	5.6	6.9	5.0	0
21	7.6	7.5	8.9	3.6	0
22	7.6	8.6	8.8	4.0	0
23	7.5	6.6	9.8	7.8	0
24	7.6	7.9	5.5	10	0
25	9.2	11	5.5	7.5	0
26	8.7	9.4	2.4	12	0
27	7.4	8.8	.03	13	0
28	6.7	8.8	1.8	13	0
29	4.8	8.0	2.1	13	0
30	5.2	9.7	.03	12	0
31	6.5	-----	3.0	11	-----
<b>TOTAL</b>	<b>150.40</b>	<b>240.7</b>	<b>215.86</b>	<b>220.59</b>	<b>78.07</b>
<b>MEAN</b>	<b>4.85</b>	<b>8.02</b>	<b>6.96</b>	<b>7.12</b>	<b>2.60</b>
<b>MAX</b>	<b>12</b>	<b>12</b>	<b>14</b>	<b>13</b>	<b>14</b>
<b>MIN</b>	<b>0</b>	<b>3.5</b>	<b>.03</b>	<b>.05</b>	<b>0</b>
<b>AC-FT</b>	<b>298</b>	<b>477</b>	<b>428</b>	<b>438</b>	<b>155</b>

TOTAL 5 MONTHS.--AC-FT      1,800



**P L A T T E R I V E R B A S I N**

**( L O U P R I V E R )**

MIDDLE LOUP CANAL NO. 2 from Middle Loup River - 1989

LOCATION.--NE1/4NW1/4 Sec. 14-19-18 W. near Sargent

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1938 - present

REMARKS.--Records from 1944 - 1946 are published in the  
1980 Hydrographic Report.

Day	May	Jun	Jul	Aug	Sep
1	0	12	24	51	29
2	0	12	23	49	27
3	0	12	22	46	24
4	0	13	20	44	21
5	0	14	21	44	19
6	0	16	23	48	16
7	0	17	23	53	16
8	0	17	24	49	17
9	0	17	32	45	17
10	0	17	43	47	17
11	0	15	53	47	17
12	0	21	57	45	16
13	0	28	58	39	16
14	0	27	56	37	5.5
15	0	26	37	39	0
16	22	25	33	39	0
17	28	25	27	37	0
18	29	25	23	37	0
19	21	25	24	34	0
20	19	22	25	30	0
21	19	22	26	27	0
22	18	22	29	27	0
23	18	22	31	26	0
24	16	22	41	26	0
25	16	23	55	27	0
26	15	26	65	27	0
27	13	26	59	29	0
28	12	26	63	36	0
29	11	25	60	33	0
30	11	25	59	31	0
31	11	-----	53	32	-----
TOTAL	279	625	1,189	1,181	257.5
MEAN	9.00	20.8	38.4	38.1	8.58
MAX	29	28	65	53	29
MIN	0	12	20	26	0
AC-FT	553	1,240	2,360	2,340	511

TOTAL 5 MONTHS.--AC-FT 7,000

**P L A T T E   R I V E R   B A S I N**  
**(   L O U P   R I V E R   )**

MIDDLE LOUP SPILLWAY NO. 2 - 1989

LOCATION.--SW1/4SE1/4 Sec. 11-18-17 W. near Comstock

GAGE.--Continuous stage recorder and 5.8 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	May	Jun	Jul	Aug	Sep
1	0	7.0	19	16	19
2	0	6.0	18	16	15
3	0	6.3	17	17	17
4	0	5.2	16	15	20
5	0	5.6	14	16	17
6	0	5.7	16	16	17
7	0	7.5	13	17	14
8	0	8.9	13	13	15
9	0	9.1	12	12	16
10	0	8.6	19	15	15
11	0	8.6	15	21	15
12	0	7.2	13	22	16
13	0	19	15	23	16
14	0	19	16	19	15
15	0	16	17	17	6.1
16	0	13	16	19	1.7
17	0	13	15	15	1.2
18	0	15	13	14	0
19	0	14	14	18	0
20	0	14	14	16	0
21	0	15	14	16	0
22	0	14	15	17	0
23	2.5	11	15	17	0
24	4.5	12	15	16	0
25	4.1	16	12	18	0
26	4.0	15	16	18	0
27	4.5	15	16	15	0
28	4.5	17	12	22	0
29	4.7	17	14	18	0
30	4.9	21	14	15	0
31	6.6	-----	16	20	-----
<b>TOTAL</b>	<b>40.3</b>	<b>361.7</b>	<b>464</b>	<b>529</b>	<b>236.0</b>
<b>MEAN</b>	<b>1.30</b>	<b>12.1</b>	<b>15.0</b>	<b>17.1</b>	<b>7.87</b>
<b>MAX</b>	<b>6.6</b>	<b>21</b>	<b>19</b>	<b>23</b>	<b>20</b>
<b>MIN</b>	<b>0</b>	<b>5.2</b>	<b>12</b>	<b>12</b>	<b>0</b>
<b>AC-FT</b>	<b>80</b>	<b>717</b>	<b>920</b>	<b>1,050</b>	<b>468</b>

TOTAL 5 MONTHS.--AC-FT      3,240

**P L A T T E   R I V E R   B A S I N**  
**(   L O U P   R I V E R   )**

MIDDLE LOUP CANAL NO. 3 from Middle Loup River - 1989

LOCATION.--NW1/4NW1/4 Sec. 6-17-16 W. near Comstock

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1938 - present

REMARKS.--Records from 1944 - 1946 are published in the  
1980 Hydrograph Report.

Day	May	Jun	Jul	Aug	Sep
1	0	37	37	122	64
2	0	36	37	117	65
3	0	35	36	115	65
4	0	35	36	115	68
5	0	34	37	116	65
6	0	32	51	118	40
7	0	32	92	119	27
8	53	33	100	121	28
9	80	33	101	120	28
10	74	34	102	123	28
11	75	34	129	123	28
12	57	33	117	119	29
13	47	34	109	117	29
14	47	36	124	113	13
15	47	36	81	109	0
16	57	36	33	111	0
17	58	35	45	107	0
18	59	37	31	102	0
19	52	38	33	101	0
20	46	49	33	101	0
21	45	57	33	94	0
22	44	64	34	85	0
23	44	79	56	79	0
24	39	94	88	73	0
25	35	74	94	76	0
26	36	57	108	79	0
27	38	38	119	80	0
28	37	38	120	74	0
29	36	38	130	63	0
30	36	37	123	65	0
31	37	-----	118	65	-----
<b>TOTAL</b>	<b>1,179</b>	<b>1,285</b>	<b>2,387</b>	<b>3,122</b>	<b>577</b>
<b>MEAN</b>	<b>38.0</b>	<b>42.8</b>	<b>77.0</b>	<b>101</b>	<b>19.2</b>
<b>MAX</b>	<b>80</b>	<b>94</b>	<b>130</b>	<b>123</b>	<b>68</b>
<b>MIN</b>	<b>0</b>	<b>32</b>	<b>31</b>	<b>63</b>	<b>0</b>
<b>AC-FT</b>	<b>2,340</b>	<b>2,550</b>	<b>4,730</b>	<b>6,190</b>	<b>1,140</b>

TOTAL 5 MONTHS.--AC-FT      16,960

**P L A T T E   R I V E R   B A S I N**  
**( L O U P   R I V E R )**

MIDDLE LOUP SPILLWAY NO.3 - 1989

LOCATION.--SW1/4SW1/4 Sec. 5-14-14 W. near Loup City

GAGE.--Continuous stage recorder and 5.8 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	May	Jun	Jul	Aug	Sep
1	0	12	24	13	17
2	0	11	24	12	16
3	0	11	23	14	16
4	0	12	23	12	19
5	0	12	23	7.1	20
6	0	13	17	12	20
7	0	12	17	14	15
8	0	13	18	17	5.2
9	0	13	15	12	4.6
10	13	12	13	12	4.4
11	16	12	16	13	11
12	21	12	15	13	12
13	13	12	16	10	9.3
14	15	11	17	9.0	8.3
15	15	11	4.3	6.2	1.5
16	9.7	12	7.6	6.2	0
17	11	12	5.2	9.3	0
18	17	11	3.7	9.9	0
19	18	12	2.2	6.6	0
20	17	11	3.5	11	0
21	16	12	3.2	13	0
22	23	13	5.6	11	0
23	23	12	16	13	0
24	21	21	20	13	0
25	10	3.0	15	15	0
26	11	1.0	6.8	13	0
27	11	2.1	8.7	21	0
28	11	19	2.6	26	0
29	9.0	23	.45	22	0
30	9.0	24	8.6	17	0
31	12	-----	11	16	-----
TOTAL	321.7	367.1	385.45	399.3	179.3
MEAN	10.4	12.2	12.4	12.9	5.98
MAX	23	24	24	26	20
MIN	0	1.0	.45	6.2	0
AC-FT	638	728	765	792	356

TOTAL 5 MONTHS.--AC-FT      3,280

**P L A T T E R I V E R B A S I N**

**( L O U P R I V E R )**

MIDDLE LOUP CANAL NO. 4 from Middle Loup River - 1989

LOCATION.--SW1/4SW1/4 Sec. 31-18-16 W. near Comstock

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1938 - present

REMARKS.--Records from 1944 - 1946 are published in the  
1980 Hydrographic Report.

Day	May	Jun	Jul	Aug	Sep
1	0	28	49	114	48
2	0	32	49	117	56
3	0	35	49	118	59
4	0	37	49	118	60
5	0	38	49	117	34
6	0	39	50	109	17
7	0	39	49	98	18
8	32	39	59	102	17
9	63	38	71	107	16
10	59	37	91	108	17
11	55	37	117	105	18
12	48	36	122	103	19
13	40	35	127	103	19
14	36	35	118	97	8.3
15	33	34	55	88	0
16	41	34	34	82	0
17	42	40	36	84	0
18	40	41	38	85	0
19	33	40	39	85	0
20	28	41	40	87	0
21	27	46	40	89	0
22	27	59	40	93	0
23	24	60	48	96	0
24	24	54	69	97	0
25	27	20	80	98	0
26	27	31	89	90	0
27	26	49	97	86	0
28	26	49	103	72	0
29	26	51	116	48	0
30	24	50	116	46	0
31	21	-----	111	45	-----
<b>TOTAL</b>	829	1,204	2,200	2,887	406.3
<b>MEAN</b>	26.7	40.1	71.0	93.1	13.5
<b>MAX</b>	63	60	127	118	60
<b>MIN</b>	0	20	34	45	0
<b>AC-FT</b>	1,640	2,390	4,360	5,730	806

**TOTAL 5 MONTHS.--AC-FT 14,930**

**P L A T T E   R I V E R   B A S I N**  
**( L O U P   R I V E R )**

MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal - 1989

LOCATION.--SW1/4SW1/4 Sec. 30-17-15 W. near Arcadia

GAGE.--Flow meter

PERIOD OF RECORD.--1986 - present

REMARKS.--This flow diverted by Farwell (Sherman Feeder) Canal

Day	Jul	Aug
1	0	15
2	0	24
3	0	29
4	0	23
5	0	15
6	0	15
7	0	19
8	0	17
9	0	15
10	0	16
11	0	16
12	0	17
13	0	17
14	0	16
15	0	16
16	0	16
17	0	22
18	0	24
19	0	18
20	0	10
21	0	15
22	0	17
23	0	19
24	0	19
25	12	19
26	18	17
27	17	6.3
28	21	0
29	20	0
30	16	0
31	15	0
<b>TOTAL</b>	119	472.3
<b>MEAN</b>	3.84	15.2
<b>MAX</b>	21	29
<b>MIN</b>	0	0
<b>AC-FT</b>	236	937

TOTAL 2 MONTHS.--AC-FT      1,170

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

MIDDLE LOUP SPILLWAY NO. 4 - 1989

LOCATION.--SW1/4SW1/4 Sec. 10-14-14 W. near Loup City

GAGE.--Continuous stage recorder and 7.8 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	May	Jun	Jul	Aug	Sep
1	0	5.8	25	6.8	8.5
2	0	8.9	24	11	6.0
3	0	13	24	12	20
4	0	13	25	14	26
5	0	14	25	15	15
6	0	13	23	14	9.2
7	0	14	22	19	9.7
8	0	13	13	12	11
9	0	13	10	13	12
10	0	14	19	13	9.5
11	14	14	20	16	11
12	27	13	22	16	8.4
13	22	14	16	17	6.4
14	19	14	28	19	5.8
15	14	13	28	15	4.9
16	6.1	15	23	17	3.7
17	12	17	15	6.6	2.0
18	15	22	23	13	.51
19	13	21	18	18	0
20	9.3	16	15	14	0
21	5.4	15	15	15	0
22	5.2	9.2	13	22	0
23	4.8	20	8.2	22	0
24	5.7	21	12	15	0
25	5.1	22	14	12	0
26	7.1	7.1	24	15	0
27	7.8	9.4	7.9	18	0
28	8.5	19	6.6	19	0
29	8.4	20	11	14	0
30	7.8	26	9.5	13	0
31	8.0	-----	12	12	-----
<b>TOTAL</b>	<b>225.2</b>	<b>449.4</b>	<b>551.2</b>	<b>458.4</b>	<b>169.61</b>
<b>MEAN</b>	<b>7.26</b>	<b>15.0</b>	<b>17.8</b>	<b>14.8</b>	<b>5.65</b>
<b>MAX</b>	<b>27</b>	<b>26</b>	<b>28</b>	<b>22</b>	<b>26</b>
<b>MIN</b>	<b>0</b>	<b>5.8</b>	<b>6.6</b>	<b>6.6</b>	<b>0</b>
<b>AC-FT</b>	<b>447</b>	<b>891</b>	<b>1,090</b>	<b>909</b>	<b>336</b>

TOTAL 5 MONTHS.--AC-FT      3,680

**P L A T T E   R I V E R   B A S I N**  
**(   L O U P   R I V E R )**

**MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT**  
**Summary in Acre-Feet--1989**

Diversions:	May	June	July	Aug.	Sep.	Total
Canal No. 1.....	693	907	1,760	1,810	214	5,390
Canal No. 1 Pump.....	0	0	179	319	0	498
Canal No. 2.....	553	1,240	2,360	2,340	511	7,000
Canal No. 3.....	2,340	2,550	4,730	6,190	1,140	16,960
Canal No. 4.....	1,640	2,390	4,360	5,730	806	14,930
Canal No. 4..... (from Sherman Feeder) *	0	0	236	937	0	1,170
<b>Total diversions.....</b>	<b>5,230</b>	<b>7,090</b>	<b>13,620</b>	<b>17,330</b>	<b>2,670</b>	<b>45,950</b>

Returned through spillways:

Canal No. 1.....	298	477	428	438	155	1,800
Canal No. 2.....	80	717	920	1,050	468	3,240
Canal No. 3.....	638	728	765	792	356	3,280
Canal No. 4.....	447	891	1,090	909	336	3,680
<b>Total returned.....</b>	<b>1,460</b>	<b>2,810</b>	<b>3,200</b>	<b>3,190</b>	<b>1,320</b>	<b>12,000</b>

\* Amount diverted by Farwell (Sherman Feeder) Canal and delivered to Middle Loup Canal No. 4.



**P L A T T E   R I V E R   B A S I N**  
**(   L O U P   R I V E R   )**

FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River - 1989

LOCATION.--NE1/4SE1/4 Sec. 36-18-17 W. near Comstock

GAGE.--Continuous stage recorder and 25 ft. Parshall flume

PERIOD OF RECORD.--1963 - present

REMARKS.--Total diversion includes 1170 A.F. delivered to Middle Loup Canal No. 4

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	378	94	363	180	498
2	0	403	180	361	179	472
3	0	431	250	353	190	519
4	0	453	252	363	195	501
5	0	454	274	375	195	448
6	0	448	340	413	201	437
7	0	436	347	415	215	431
8	0	447	352	429	236	440
9	0	451	354	373	264	442
10	0	451	353	306	260	443
11	0	453	354	215	269	444
12	0	490	347	189	277	439
13	0	522	359	162	277	440
14	0	522	359	180	288	409
15	0	519	382	349	317	422
16	0	526	405	457	335	425
17	24	526	394	464	341	425
18	94	525	403	469	346	425
19	133	460	408	505	334	406
20	180	413	441	532	379	385
21	236	412	474	532	389	252
22	286	407	506	529	407	181
23	308	322	501	494	443	143
24	307	197	433	430	421	117
25	322	194	205	335	458	57
26	340	194	75	255	472	0
27	360	196	62	239	477	0
28	359	195	54	165	489	0
29	357	194	223	130	524	0
30	357	160	351	178	498	0
31	-----	103	-----	182	511	-----
TOTAL	3,663	11,882	9,532	10,742	10,367	9,601
MEAN	122	383	318	347	334	320
MAX	360	526	506	532	524	519
MIN	0	103	54	130	179	0
AC-FT	7,270	23,570	18,910	21,310	20,560	19,040

TOTAL 6 MONTHS.--AC-FT 110,700

**P L A T T E   R I V E R   B A S I N**  
**(   L O U P   R I V E R   )**

FARWELL "MAIN" CANAL from Sherman Reservoir - 1989

LOCATION.--NW1/4SW1/4 Sec. 1-15-14 W. below Sherman Reservoir

GAGE.--Continuous stage recorder and six orifice gates

PERIOD OF RECORD.--1964 - present

Day	Jun	Jul	Aug	Sep
1	0	129	453	87
2	78	124	418	86
3	130	128	391	86
4	127	133	365	27
5	128	150	364	0
6	130	179	364	0
7	130	250	404	0
8	130	329	417	0
9	130	348	417	0
10	130	405	412	0
11	130	436	407	0
12	146	476	394	0
13	156	495	391	0
14	156	490	400	0
15	156	174	400	0
16	154	73	400	0
17	154	77	391	0
18	156	80	370	0
19	167	85	328	0
20	182	88	315	0
21	192	101	331	0
22	200	172	339	0
23	204	196	361	0
24	212	316	378	0
25	212	414	373	0
26	173	480	331	0
27	153	506	316	0
28	153	517	180	0
29	149	495	90	0
30	143	484	80	0
31	-----	478	82	-----
TOTAL	4,461	8,808	10,562	286
MEAN	149	284	344	9.53
MAX	212	517	453	87
MIN	0	73	80	0
AC-FT	8,850	17,470	21,150	567

TOTAL 4 MONTHS.--AC-FT      48,030

**P L A T T E R I V E R B A S I N**  
**( L O U P R I V E R )**

FARWELL "SOUTH" CANAL from Sherman Reservoir - 1989

LOCATION.--NW1/4SW1/4 Sec. 1-15-14 W. below Sherman Reservoir

GAGE.--Continuous stage recorder and four orifice gates

PERIOD OF RECORD.--1965 - present

Day	Jun	Jul	Aug	Sep
1	0	92	279	74
2	36	87	268	80
3	57	83	247	78
4	58	83	239	25
5	57	83	232	0
6	74	83	232	0
7	88	97	239	0
8	93	120	241	0
9	94	126	244	0
10	94	185	238	0
11	94	209	235	0
12	101	248	226	0
13	111	270	222	0
14	115	266	220	0
15	115	111	224	0
16	113	56	228	0
17	109	51	228	0
18	108	43	228	0
19	115	41	216	0
20	137	43	207	0
21	152	56	214	0
22	161	69	228	0
23	174	72	238	0
24	167	95	248	0
25	148	156	257	0
26	112	221	238	0
27	93	261	228	0
28	92	287	142	0
29	92	294	66	0
30	92	294	58	0
31	-----	288	58	-----
TOTAL	3,052	4,470	6,668	257
MEAN	102	144	215	8.57
MAX	174	294	279	80
MIN	0	41	58	0
AC-FT	6,050	8,870	13,230	510

TOTAL 4 MONTHS.--AC-FT 28,660

FARWELL MAIN and SOUTH CANALS combined flow - 1989

LOCATION.--NW1/4SW1/4 Sec. 1-15-14 W. below Sherman Reservoir

PERIOD OF RECORD.--1965 - present

Monthly Summary in Acre-Feet

	May	June	July	Aug.	Sep.	Total
Farwell Main Canal.....	0	8,850	17,470	21,150	567	48,030
Farwell South Canal.....	0	6,050	8,870	13,230	510	28,660
Total.....	0	14,900	26,340	34,380	1,080	76,700

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

TAYLOR-ORD CANAL from North Loup River - 1989

LOCATION.--NE1/4NE1/4 Sec. 20-21-18 W. near Taylor

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1939 - present

REMARKS.--Records from 1944 - 1946 are published in the  
1980 Hydrographic Report

Day	May	Jun	Jul	Aug	Sep
1	0	64	92	195	63
2	0	67	90	195	53
3	31	63	91	195	51
4	46	59	93	195	51
5	41	60	96	197	44
6	42	60	108	198	37
7	39	61	129	200	39
8	42	57	133	197	35
9	41	49	139	197	24
10	43	50	163	199	26
11	41	50	177	197	27
12	43	50	179	192	26
13	42	52	190	191	26
14	47	49	185	193	29
15	54	53	110	187	14
16	57	50	81	163	0
17	67	55	83	148	0
18	65	63	81	137	0
19	64	72	84	121	0
20	66	83	79	121	0
21	66	99	70	108	0
22	67	147	72	91	0
23	68	142	82	89	0
24	68	140	107	89	0
25	70	124	140	91	0
26	62	122	157	90	0
27	64	97	179	95	0
28	66	90	198	79	0
29	63	90	202	60	0
30	64	91	200	61	0
31	64	-----	200	65	-----
TOTAL	1,593	2,309	3,990	4,536	545
MEAN	51.4	77.0	129	146	18.2
MAX	70	147	202	200	63
MIN	0	49	70	60	0
AC-FT	3,160	4,580	7,910	9,000	1,080

TOTAL 5 MONTHS.--AC-FT 25,730

**P L A T T E R I V E R B A S I N**  
**( L O U P R I V E R )**

TAYLOR-ORD CANAL inlet to Mirdan Canal - 1989

LOCATION.--NW1/4NW1/4 Sec. 35-21-16 W. near Burwell

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989

Day	May	Jun	Jul	Aug	Sep
1	0	37	68	134	51
2	0	37	67	133	48
3	0	37	66	135	43
4	0	33	68	133	48
5	26	34	71	131	40
6	22	36	76	133	35
7	23	40	94	133	32
8	20	37	96	130	32
9	18	35	100	126	28
10	18	34	109	126	24
11	16	34	119	124	25
12	17	35	121	121	24
13	18	34	124	121	24
14	18	35	145	122	21
15	15	35	92	127	21
16	17	35	74	120	11
17	23	35	66	116	0
18	26	38	67	109	0
19	23	49	70	97	0
20	21	55	71	97	0
21	23	62	63	97	0
22	24	94	63	70	0
23	25	91	72	71	0
24	29	93	75	70	0
25	31	86	101	65	0
26	30	89	107	66	0
27	31	69	118	69	0
28	33	70	133	67	0
29	33	60	137	54	0
30	33	70	139	47	0
31	36	-----	137	52	-----
TOTAL	649	1,529	2,909	3,196	507
MEAN	20.9	51.0	93.8	103	16.9
MAX	36	94	145	135	51
MIN	0	33	63	47	0
AC-FT	1,290	3,030	5,770	6,340	1,010

TOTAL 5 MONTHS.--AC-FT 17,430

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

TAYLOR-ORD CANAL outlet from Mirdan Canal - 1989

LOCATION.--NW1/4NW1/4 Sec. 17-20-15 W. near Elyria

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989

Day	May	Jun	Jul	Aug	Sep
1	0	31	65	78	41
2	0	32	65	79	41
3	0	35	65	80	38
4	0	36	64	80	34
5	27	28	61	79	34
6	23	28	62	77	33
7	21	30	69	76	30
8	20	34	76	77	27
9	18	34	76	80	27
10	17	34	79	80	25
11	17	31	79	80	31
12	13	31	76	79	24
13	15	31	72	79	21
14	17	32	71	79	21
15	16	32	61	79	21
16	15	33	63	79	20
17	19	31	64	84	7.8
18	21	34	65	87	0
19	22	39	65	82	0
20	17	43	67	79	0
21	16	48	62	79	0
22	16	72	59	64	0
23	18	76	62	58	0
24	21	74	66	59	0
25	23	74	69	56	0
26	25	79	71	54	0
27	25	70	68	54	0
28	25	66	70	57	0
29	26	59	74	55	0
30	26	67	78	36	0
31	29	-----	78	40	-----
TOTAL	548	1,344	2,122	2,205	475.8
MEAN	17.7	44.8	68.5	71.1	15.9
MAX	29	79	79	87	41
MIN	0	28	59	36	0
AC-FT	1,090	2,670	4,210	4,370	944

TOTAL 5 MONTHS.--AC-FT 13,280

**P L A T T E R I V E R B A S I N**

**( L O U P R I V E R )**

TAYLOR - ORD SPILLWAY at mile 33.90 - 1989

LOCATION.--SW1/4SW1/4 Sec. 16-19-14 W. near Ord

GAGE.--Continuous stage recorder and 3 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	Jun	Jul	Aug	Sep
1	0	1.8	1.3	3.0
2	0	2.2	1.4	2.3
3	0	2.5	.86	.94
4	0	2.6	.99	1.5
5	0	3.5	.53	2.1
6	0	4.6	1.4	2.2
7	0	3.0	1.6	2.3
8	.52	2.8	1.2	2.3
9	1.4	1.9	1.7	2.4
10	1.2	2.4	1.6	2.5
11	1.0	2.1	1.9	1.9
12	.58	.40	.92	1.7
13	.77	.26	.32	1.6
14	1.5	.58	.61	1.6
15	1.6	1.4	1.5	1.7
16	1.6	1.7	2.2	1.8
17	1.6	1.4	4.0	1.8
18	1.6	1.4	4.1	1.6
19	1.7	1.5	3.8	.79
20	2.1	1.5	3.9	.21
21	1.6	1.7	4.0	0
22	.67	1.8	3.9	0
23	.74	2.6	3.8	0
24	2.1	2.2	3.6	0
25	4.1	1.2	3.3	0
26	4.1	.72	3.2	0
27	3.9	.41	3.2	0
28	1.5	1.1	3.5	0
29	1.4	1.9	3.7	0
30	1.4	.64	3.3	0
31	-----	1.4	2.9	-----
<b>TOTAL</b>	<b>38.68</b>	<b>55.21</b>	<b>74.23</b>	<b>36.24</b>
<b>MEAN</b>	<b>1.29</b>	<b>1.78</b>	<b>2.39</b>	<b>1.21</b>
<b>MAX</b>	<b>4.1</b>	<b>4.6</b>	<b>4.1</b>	<b>3.0</b>
<b>MIN</b>	<b>0</b>	<b>.26</b>	<b>.32</b>	<b>0</b>
<b>AC-FT</b>	<b>77</b>	<b>110</b>	<b>147</b>	<b>72</b>

TOTAL 4 MONTHS.--AC-FT 405

**P L A T T E   R I V E R   B A S I N**  
**( L O U P   R I V E R )**

TAYLOR - ORD SPILLWAY at mile 34.06 - 1989

LOCATION.--NW1/4SW1/4 Sec. 17-19-14.W. near Ord

GAGE.--Continuous stage recorder and 6 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	May	Jun	Jul	Aug	Sep
1	0	19	19	1.5	20
2	0	19	19	3.5	22
3	0	18	19	4.7	29
4	0	16	18	7.1	23
5	0	16	13	8.0	24
6	0	18	12	7.4	24
7	0	18	13	6.2	22
8	11	17	11	4.0	20
9	15	16	11	5.8	21
10	14	16	11	7.0	22
11	14	15	7.6	8.5	23
12	11	16	4.9	8.8	21
13	9.6	14	6.1	9.3	16
14	11	15	1.9	10	15
15	12	15	9.9	11	15
16	9.6	15	17	17	13
17	14	14	19	22	2.8
18	16	15	19	24	0
19	18	13	19	24	0
20	14	8.9	19	27	0
21	14	11	19	29	0
22	14	13	18	27	0
23	15	5.9	18	25	0
24	16	9.8	13	23	0
25	18	14	8.4	20	0
26	18	16	7.4	15	0
27	18	17	1.2	14	0
28	18	17	4.6	15	0
29	17	17	6.7	19	0
30	17	19	.84	15	0
31	18	-----	.93	18	-----
TOTAL	352.2	453.6	367.47	436.8	332.8
MEAN	11.4	15.1	11.9	14.1	11.1
MAX	18	19	19	29	29
MIN	0	5.9	.84	1.5	0
AC-FT	699	900	729	866	660

TOTAL 5 MONTHS.--AC-FT      3,850



**P L A T T E R I V E R B A S I N**

**( L O U P R I V E R )**

MIRDAN CANAL from Calamus Reservoir - 1989

LOCATION.--NE1/4NW1/4 Sec. 6-21-16 W. near Burwell

GAGE.--Continuous stage recorder and 30 ft. Parshall flume

PERIOD OF RECORD.--1987 - present

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	58	68	53	200	120
2	0	62	66	51	230	101
3	0	73	61	52	223	97
4	0	88	63	55	207	62
5	0	88	63	58	199	45
6	0	72	66	83	201	45
7	0	74	65	124	195	45
8	0	59	61	187	207	41
9	0	55	60	209	223	37
10	0	48	62	231	226	36
11	0	50	62	241	212	39
12	0	64	59	252	199	75
13	0	60	48	249	208	34
14	0	53	45	211	197	33
15	0	51	58	90	178	15
16	0	50	64	67	177	0
17	0	50	68	55	179	0
18	0	59	70	53	168	0
19	0	61	70	54	123	0
20	0	53	70	54	96	0
21	0	43	69	54	110	0
22	0	43	77	69	127	0
23	0	48	85	74	151	0
24	0	56	110	113	158	0
25	0	62	86	168	162	0
26	0	67	62	207	146	0
27	35	67	60	243	145	0
28	44	73	55	257	135	0
29	27	67	55	210	109	0
30	39	66	57	193	104	0
31	-----	70	-----	180	119	-----
<b>TOTAL</b>	145	1,890	1,965	4,197	5,314	825
<b>MEAN</b>	4.83	61.0	65.5	135	171	27.5
<b>MAX</b>	44	88	110	257	230	120
<b>MIN</b>	0	43	45	51	96	0
<b>AC-FT</b>	288	3,750	3,900	8,320	10,540	1,640

**TOTAL 6 MONTHS.--AC-FT 28,440**

**P L A T T E   R I V E R   B A S I N**  
**( L O U P   R I V E R )**

SCOTIA CANAL from Mirdan Canal - 1989

LOCATION.--SW1/4NE1/4 Sec. 23-18-15 W. near Arcadia

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	21	20	85	46	15
2	0	21	21	99	38	3.9
3	0	21	21	103	32	0
4	0	21	24	96	25	0
5	0	21	25	84	13	0
6	0	21	36	81	14	0
7	0	22	62	81	15	0
8	0	22	100	82	15	0
9	0	22	123	89	15	0
10	0	22	139	92	15	0
11	0	22	129	84	14	0
12	8.7	22	127	80	14	0
13	7.1	11	114	81	14	0
14	0	4.5	91	80	14	0
15	0	15	46	69	14	0
16	0	20	20	69	14	0
17	0	22	20	69	14	0
18	9.8	23	19	67	14	0
19	15	23	19	61	14	0
20	7.1	27	20	56	14	0
21	0	29	20	63	14	0
22	0	34	26	75	15	0
23	3.2	37	29	89	15	0
24	12	48	43	84	16	0
25	19	38	64	82	16	0
26	21	23	87	67	15	0
27	20	21	110	59	15	0
28	20	21	117	48	17	0
29	21	21	93	44	17	0
30	21	21	81	45	17	0
31	21	-----	77	45	-----	0
TOTAL	205.9	696.5	1,923	2,309	525	18.9
MEAN	6.64	23.2	62.0	74.5	17.5	.61
MAX	21	48	139	103	46	15
MIN	0	4.5	19	44	13	0
AC-FT	408	1,380	3,810	4,580	1,040	37

TOTAL 6 MONTHS.--AC-FT    11,260

**P L A T T E R I V E R B A S I N**

**( L O U P R I V E R )**

BURWELL-SUMTER CANAL from North Loup River - 1989

LOCATION.--NE1/4NW1/4 Sec. 19-21-15 W. near Burwell

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1939 - present

REMARKS.--Records for 1944 - 1946 are published in the  
1980 Hydrographic Report

Day	May	Jun	Jul	Aug	Sep
1	0	54	49	106	64
2	0	51	49	107	55
3	0	47	48	104	55
4	0	45	48	104	46
5	0	44	48	104	39
6	0	43	47	106	31
7	0	42	47	106	30
8	41	41	52	104	30
9	68	40	83	102	27
10	40	38	91	102	26
11	39	39	94	101	26
12	38	40	105	99	13
13	38	40	105	98	1.7
14	37	40	110	98	0
15	37	39	11	99	0
16	37	39	0	98	0
17	37	39	0	99	0
18	37	38	0	98	0
19	36	37	25	93	0
20	37	44	45	81	0
21	42	57	47	77	0
22	41	59	46	72	0
23	42	62	47	68	0
24	42	60	52	64	0
25	48	51	65	64	0
26	59	51	84	64	0
27	59	47	96	63	0
28	58	51	107	61	0
29	57	50	108	62	0
30	56	48	107	62	0
31	55	-----	106	64	-----
<b>TOTAL</b>	<b>1,081</b>	<b>1,376</b>	<b>1,922</b>	<b>2,730</b>	<b>443.7</b>
<b>MEAN</b>	<b>34.9</b>	<b>45.9</b>	<b>62.0</b>	<b>88.1</b>	<b>14.8</b>
<b>MAX</b>	<b>68</b>	<b>62</b>	<b>110</b>	<b>107</b>	<b>64</b>
<b>MIN</b>	<b>0</b>	<b>37</b>	<b>0</b>	<b>61</b>	<b>0</b>
<b>AC-FT</b>	<b>2,140</b>	<b>2,730</b>	<b>3,810</b>	<b>5,410</b>	<b>880</b>

TOTAL 5 MONTHS.--AC-FT 14,980

**P L A T T E   R I V E R   B A S I N**  
**( L O U P   R I V E R )**

BURWELL - SUMTER SPILLWAY at mile 24.90 - 1989

LOCATION.--SE1/4NE1/4 Sec. 20-19-13 W. near Ord

GAGE.--Continuous stage recorder and 3 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	May	Jun	Jul	Aug	Sep
1	0	6.6	10	4.2	10
2	0	6.7	11	4.5	10
3	0	5.8	10	3.9	10
4	0	4.3	8.7	3.6	11
5	0	4.4	8.6	4.0	9.3
6	0	4.2	7.2	3.5	9.6
7	0	6.5	3.6	3.9	8.3
8	0	4.8	1.4	4.2	6.0
9	0	5.2	5.4	4.2	8.0
10	1.1	5.7	8.7	4.7	7.2
11	2.1	6.0	4.0	4.7	6.9
12	2.8	5.9	0	5.9	7.4
13	3.8	5.5	.12	5.9	4.5
14	3.4	6.2	4.3	5.8	2.7
15	2.3	7.2	12	4.4	.15
16	2.0	6.8	5.0	5.3	0
17	2.1	6.4	1.1	5.7	0
18	2.8	6.6	1.8	5.8	0
19	2.0	6.0	.34	8.2	0
20	.85	5.5	4.9	10	0
21	.41	7.1	12	11	0
22	1.6	9.6	9.1	10	0
23	.67	11	8.7	10	0
24	.35	11	7.5	8.9	0
25	0	11	6.3	6.8	0
26	2.4	11	3.3	6.4	0
27	5.8	11	2.1	6.1	0
28	6.3	11	2.4	8.0	0
29	6.1	11	2.2	10	0
30	5.1	11	3.1	9.7	0
31	5.7	-----	4.5	10	-----
TOTAL	59.68	221.0	169.36	199.3	111.05
MEAN	1.93	7.37	5.46	6.43	3.70
MAX	6.3	11	12	11	11
MIN	0	4.2	0	3.5	0
AC-FT	118	438	336	395	220

TOTAL 5 MONTHS.--AC-FT      1,510

**P L A T T E   R I V E R   B A S I N**

**( L O U P   R I V E R )**

ORD-NORTH LOUP CANAL from North Loup River - 1989

LOCATION.--NW1/4NE1/4 Sec. 36-14-19 W. near Ord

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1939 - present

REMARKS.--Records from 1944 - 1946 are published in the  
1980 Hydrographic Report

Day	May	Jun	Jul	Aug	Sep
1	0	40	38	101	72
2	0	39	38	100	69
3	0	39	37	106	60
4	0	39	37	104	66
5	0	38	48	99	56
6	0	38	58	100	22
7	0	39	57	101	21
8	0	38	56	101	21
9	0	37	69	102	18
10	0	34	98	102	17
11	39	33	108	2.9	16
12	29	36	107	0	17
13	15	38	98	19	14
14	16	37	96	37	13
15	16	34	30	58	14
16	21	34	41	60	14
17	24	36	40	71	13
18	24	35	40	72	8.6
19	23	36	39	74	0
20	25	50	37	72	0
21	32	63	41	66	0
22	33	68	56	65	0
23	31	67	58	64	0
24	31	66	73	87	0
25	37	48	75	108	0
26	42	40	92	114	0
27	42	36	99	113	0
28	44	37	108	97	0
29	44	36	109	93	0
30	43	38	108	83	0
31	43	-----	106	81	-----
TOTAL	654	1,249	2,097	2,452.9	531.6
MEAN	21.1	41.6	67.6	79.1	17.7
MAX	44	68	109	114	72
MIN	0	33	30	0	0
AC-FT	1,300	2,480	4,160	4,870	1,050

TOTAL 5 MONTHS.--AC-FT      13,850

**P L A T T E   R I V E R   B A S I N**  
**(   L O U P   R I V E R   )**

ORD - NORTH LOUP SPILLWAY at mile 16.69 - 1989

LOCATION.--SW1/4NW1/4 Sec. 8-17-12 W. near North Loup

GAGE.--Continuous stage recorder and 5 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	May	Jun	Jul	Aug	Sep
1	0	8.6	12	.52	2.7
2	0	7.1	11	1.2	1.1
3	0	6.8	11	.77	5.2
4	0	7.0	9.4	2.3	14
5	0	6.9	9.3	3.3	12
6	0	7.3	9.4	6.6	6.9
7	0	7.9	7.9	6.2	11
8	0	8.7	3.9	5.9	13
9	0	8.7	1.7	6.9	11
10	0	7.8	1.4	2.4	6.2
11	0	6.9	.91	0	6.5
12	2.7	6.9	.90	0	6.2
13	2.9	7.5	.84	0	7.6
14	1.3	11	.32	0	6.5
15	.98	11	.84	0	5.6
16	.57	5.6	8.2	0	5.6
17	1.4	6.3	13	0	5.4
18	2.8	6.2	9.0	0	4.5
19	2.2	5.4	6.3	0	3.2
20	.80	3.8	4.9	0	1.9
21	.47	9.3	6.9	0	.88
22	1.5	12	6.8	0	.52
23	1.5	14	3.7	.40	.31
24	.22	13	1.8	3.2	.30
25	.68	11	1.1	1.0	.30
26	5.1	7.2	1.4	.02	.30
27	7.2	7.0	.45	0	.14
28	7.7	10	.31	.12	0
29	7.8	11	.30	.87	0
30	7.2	11	.30	1.2	0
31	7.9	-----	.30	2.7	-----
TOTAL	62.92	252.9	145.57	45.60	138.85
MEAN	2.03	8.43	4.70	1.47	4.63
MAX	7.9	14	13	6.9	14
MIN	0	3.8	.30	0	0
AC-FT	125	502	289	90	275

TOTAL 5 MONTHS.--AC-FT      1,280

**P L A T T E   R I V E R   B A S I N**  
**( L O U P   R I V E R )**

**NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT**  
**Summary in Acre-Feet--1989**

Diversions:	May	June	July	Aug.	Sep.	Total
Taylor-Ord Canal.....	3,160	4,580	7,910	9,000	1,080	25,730
Burwell-Sumter Canal.....	2,140	2,730	3,810	5,410	880	14,980
Ord-North Loup Canal.....	1,300	2,480	4,160	4,870	1,050	13,850
<b>Total diversions.....</b>	<b>6,600</b>	<b>9,790</b>	<b>15,880</b>	<b>19,280</b>	<b>3,010</b>	<b>54,560</b>

**Returned through spillways:**

Taylor-Ord Mile 33.90....	0	77	110	147	72	405
Taylor-Ord Mile 34.06....	699	900	729	866	660	3,850
Burwell-Sumter.....	118	438	336	395	220	1,510
Ord-North Loup.....	125	502	289	90	275	1,280
<b>Total returned.....</b>	<b>942</b>	<b>1,920</b>	<b>1,460</b>	<b>1,500</b>	<b>1,230</b>	<b>7,050</b>

**P L A T T E   R I V E R   B A S I N**  
**(   E L K H O R N   R I V E R   )**

WILLOW CREEK RESERVOIR from Willow Creek - 1989

LOCATION.--NW1/4SE1/4 Sec. 33-26-2 W. near Pierce

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983 - present

	STORAGE LEVEL			ELEVATION (feet)									CONTENT (acre-foot)	
Top of flood pool				1637.8									18,780	
Top of conservation pool				1625.5									6,890	
top of dead storage pool				1602.0									100	
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	5,220	5,550	5,590	6,360	6,480	6,250	5,620	4,600	3,640	3,360	3,270	3,310		
2	5,230	5,560	5,590	6,380	6,490	6,240	5,600	4,560	3,600	3,350	3,260	3,310		
3	5,240	5,550	5,590	6,390	6,500	6,230	5,580	4,530	3,580	3,340	3,250	3,310		
4	5,240	5,550	5,620	6,420	6,480	6,220	5,550	4,520	3,620	3,330	3,270	3,310		
5	5,260	5,550	5,620	6,420	6,500	6,210	5,520	4,500	3,650	3,330	3,270	3,300		
6	5,330	5,550	5,660	6,420	6,490	6,200	5,470	4,440	3,620	3,330	3,270	3,300		
7	5,360	5,550	5,670	6,440	6,480	6,170	5,430	4,390	3,590	3,320	3,270	3,300		
8	5,380	5,550	5,710	6,440	6,480	6,150	5,400	4,350	3,570	3,320	3,270	3,300		
9	5,360	5,540	5,740	6,460	6,470	6,110	5,360	4,320	3,640	3,320	3,270	3,310		
10	5,380	5,540	5,780	6,460	6,470	6,080	5,320	4,270	3,630	3,320	3,280	3,320		
11	5,370	5,550	5,820	6,460	6,470	6,040	5,300	4,230	3,590	3,320	3,280	3,330		
12	5,380	5,550	5,850	6,470	6,450	6,030	5,250	4,190	3,560	3,310	3,270	3,340		
13	5,380	5,560	5,890	6,470	6,430	5,990	5,200	4,150	3,540	3,310	3,270	3,350		
14	5,390	5,570	5,930	6,480	6,430	5,960	5,150	4,120	3,520	3,300	3,270	3,350		
15	5,410	5,580	5,960	6,480	6,420	5,920	5,080	4,060	3,510	3,300	3,270	3,350		
16	5,400	5,580	6,000	6,490	6,410	5,910	5,120	4,030	3,500	3,280	3,270	3,350		
17	5,420	5,580	6,030	6,470	6,380	5,880	5,100	4,000	3,490	3,280	3,280	3,350		
18	5,430	5,580	6,060	6,460	6,380	5,850	5,090	3,980	3,490	3,270	3,280	3,360		
19	5,430	5,580	6,090	6,460	6,430	5,840	5,070	3,960	3,480	3,260	3,280	3,360		
20	5,440	5,580	6,130	6,500	6,460	5,810	5,040	3,940	3,480	3,260	3,280	3,360		
21	5,440	5,580	6,160	6,500	6,450	5,780	5,020	3,910	3,460	3,260	3,290	3,360		
22	5,450	5,580	6,200	6,500	6,440	5,730	4,990	3,870	3,450	3,260	3,290	3,360		
23	5,460	5,580	6,240	6,500	6,440	5,700	4,960	3,860	3,440	3,260	3,290	3,360		
24	5,470	5,580	6,240	6,500	6,450	5,660	4,920	3,820	3,430	3,260	3,290	3,360		
25	5,470	5,580	6,270	6,500	6,400	5,670	4,880	3,770	3,420	3,250	3,300	3,370		
26	5,470	5,580	6,270	6,500	6,370	5,690	4,840	3,750	3,400	3,250	3,300	3,370		
27	5,490	5,580	6,310	6,500	6,350	5,690	4,810	3,790	3,400	3,250	3,300	3,370		
28	5,500	5,580	6,320	6,520	6,340	5,670	4,760	3,760	3,380	3,250	3,300	3,390		
29	5,500	-----	6,330	6,520	6,320	5,660	4,720	3,730	3,380	3,250	3,310	3,390		
30	5,520	-----	6,340	6,480	6,300	5,640	4,680	3,700	3,370	3,260	3,310	3,390		
31	5,540	-----	6,340	-----	6,280	-----	4,640	3,670	-----	3,250	-----	3,400		
MEAN	5,399	5,566	5,979	6,465	6,427	5,933	5,144	4,089	3,514	3,291	3,280	3,345		
MAX	5,540	5,580	6,340	6,520	6,500	6,250	5,620	4,600	3,650	3,360	3,310	3,400		
MIN	5,220	5,540	5,590	6,360	6,280	5,640	4,640	3,670	3,370	3,250	3,250	3,300		
TOTAL 12 MONTHS.--MEAN	4,864		MAX	6,520	MIN	3,250								



PLATTE RIVER BASIN

( ELKHORN RIVER )

WILLOW CREEK near Pierce - 1989

LOCATION.--SE1/4SW1/4 Sec. 33-26-2 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983 - present

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 464 cubic feet per second on March 26, 1987, gage height 6.87 feet.  
Minimum daily discharge 3.1 cubic feet per second, September 2 - 3, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 9.6 cubic feet per second on May 22 at 1200 hours, gage height 3.27.  
Maximum gage height 3.43 feet on July 7 from backwater from rocks placed in creek below gage.  
Minimum daily discharge 3.1 cubic feet per second, September 2 - 3.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.4	7.0	6.2	7.2	7.5	6.4	4.1	4.6	3.4	5.3	5.3	5.2
2	6.4	7.0	6.2	7.0	8.0	6.1	3.7	4.3	3.1	5.2	5.3	4.8
3	6.4	7.0	6.3	7.2	7.9	6.3	3.4	3.7	3.1	5.1	5.3	4.9
4	6.4	7.1	6.5	7.0	7.7	6.1	3.4	3.5	3.4	4.9	5.2	5.4
5	6.3	7.1	6.4	6.7	7.5	6.3	3.2	3.8	3.6	5.0	5.3	5.9
6	6.2	7.1	6.8	6.4	7.2	6.7	3.4	4.0	3.6	5.1	5.2	6.0
7	6.2	7.2	6.9	6.7	7.4	6.6	3.9	4.1	3.6	5.0	5.2	6.2
8	6.3	7.2	7.0	6.5	7.7	6.0	4.7	4.3	3.5	4.8	5.5	6.4
9	6.3	7.2	7.1	6.3	7.8	6.2	5.0	3.8	3.5	4.9	5.7	6.9
10	6.3	7.3	7.1	6.3	8.1	6.1	4.8	3.6	3.6	4.7	5.7	7.1
11	6.4	7.3	6.8	6.5	8.0	5.7	4.7	3.6	3.6	5.0	5.5	6.7
12	6.4	7.3	6.7	6.5	8.2	5.6	4.9	3.5	3.6	4.8	5.5	5.8
13	6.4	6.9	6.6	6.8	8.6	5.4	5.0	3.5	3.8	4.9	5.6	5.1
14	6.4	6.5	7.0	6.7	8.7	5.2	4.9	3.6	3.8	4.9	5.7	4.7
15	6.5	6.3	6.9	6.8	8.3	5.0	5.3	3.6	3.9	4.9	5.7	4.4
16	6.5	6.3	6.9	7.0	8.7	4.6	5.7	3.4	4.2	4.9	5.7	4.1
17	6.5	6.2	6.6	7.3	8.8	4.3	6.0	3.3	4.1	4.9	5.7	4.1
18	6.6	6.0	6.5	7.5	8.7	4.5	6.4	3.4	4.1	5.0	5.4	4.1
19	6.6	6.0	6.4	7.6	9.0	4.6	6.4	3.4	4.1	5.0	5.8	4.3
20	6.6	6.1	6.3	7.1	8.9	4.3	6.3	3.4	4.2	5.0	5.8	4.2
21	6.7	5.9	6.6	7.3	9.2	4.1	6.3	3.5	4.3	5.2	5.4	4.1
22	6.7	5.7	6.8	7.7	9.3	3.6	5.5	3.5	4.2	5.5	5.6	4.0
23	6.7	6.0	6.8	7.5	9.4	3.7	4.7	3.5	4.4	5.5	5.5	3.7
24	6.7	6.2	7.1	7.5	8.9	3.8	4.8	3.6	4.8	5.3	5.7	3.7
25	6.8	6.6	7.2	7.5	8.2	4.0	4.9	3.8	4.8	5.6	5.6	3.7
26	6.8	6.7	7.5	7.8	7.5	4.3	4.6	3.8	5.1	5.7	5.6	3.9
27	6.8	6.5	7.6	7.9	7.9	4.1	4.7	3.6	5.1	5.1	5.7	3.9
28	6.8	6.2	7.5	7.9	8.3	4.0	4.8	3.6	5.1	5.0	5.3	4.2
29	6.9	-----	7.5	7.9	8.5	4.3	4.7	3.5	5.1	4.9	5.4	4.2
30	6.9	-----	6.9	7.7	7.9	4.3	4.5	3.3	5.3	5.0	5.4	4.2
31	7.0	-----	7.0	-----	7.0	-----	4.5	3.5	-----	5.2	-----	4.3
TOTAL	202.9	185.9	211.7	213.8	254.8	152.2	149.2	113.6	122.0	157.3	165.3	150.2
MEAN	6.55	6.64	6.83	7.13	8.22	5.07	4.81	3.66	4.07	5.07	5.51	4.85
MAX	7.0	7.3	7.6	7.9	9.4	6.7	6.4	4.6	5.3	5.7	5.8	7.1
MIN	6.2	5.7	6.2	6.3	7.0	3.6	3.2	3.3	3.1	4.7	5.2	3.7
AC-FT	402	369	420	424	505	302	296	225	242	312	328	298

TOTAL 12 MONTHS.--MEAN 5.70 MAX 9.4 MIN 3.1 AC-FT 4,120

# P L A T T E R I V E R B A S I N

## ( S A L T C R E E K )

OLIVE BRANCH LAKE (NO. 2) from Olive Branch Creek - 1989  
 LOCATION.--Sec. 10-7-5 E. near Kramer  
 GAGE.--Continuous stage recorder  
 PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1350.0	5,470
Top of conservation pool	1335.0	1,490
Top of dead storage pool	1330.0	765

Date	Contents (Acre-feet)
December 31, 1988	866
January 31, 1989	860
February 28, 1989	857
March 31, 1989	848
April 30, 1989	791
May 31, 1989	752
June 30, 1989	785
July 31, 1989	756
August 31, 1989	724
September 30, 1989	1,020
October 31, 1989	968
November 30, 1989	929
December 31, 1989	915

BLUE STEM LAKE (NO. 4) from a tributary to Salt Creek - 1989  
 LOCATION.--Sec. 30-6-6 E. near Martell  
 GAGE.--Continuous stage recorder  
 PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1322.5	9,790
Top of conservation pool	1308.0	2,870
Top of dead storage pool	1303.0	1,500

Date	Contents (Acre-feet)
December 31, 1988	1,640
January 31, 1989	1,610
February 28, 1989	1,600
March 31, 1989	1,620
April 30, 1989	1,490
May 31, 1989	1,390
June 30, 1989	1,500
July 31, 1989	1,410
August 31, 1989	1,350
September 30, 1989	2,420
October 31, 1989	2,160
November 30, 1989	2,060
December 31, 1989	2,020

WAGONTRAIN LAKE (NO. 8) from tributary to Salt Creek - 1989  
 LOCATION.--Sec. 36-8-7 E. near Holland  
 GAGE.--Continuous stage recorder  
 PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1302.0	9,280
Top of conservation pool	1288.0	2,550
Top of dead storage pool	1283.5	1,200

Date	Contents (Acre-feet)
December 31, 1988	1,950
January 31, 1989	1,960
February 28, 1989	1,970
March 31, 1989	2,000
April 30, 1989	1,900
May 31, 1989	1,810
June 30, 1989	2,020
July 31, 1989	1,930
August 31, 1989	1,990
September 30, 1989	2,510
October 31, 1989	1,980
November 30, 1989	1,930
December 31, 1989	1,930

STAGE COACH LAKE (NO. 9) from South Branch Salt Creek - 1989  
 LOCATION.--Sec. 4-7-7 E. near Hickman  
 GAGE.--Continuous stage recorder  
 PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1285.0	6,340
Top of conservation pool	1271.0	1,810
Top of dead storage pool	1261.0	464

Date	Contents (Acre-feet)
December 31, 1988	1,860
January 31, 1989	1,920
February 28, 1989	1,950
March 31, 1989	1,930
April 30, 1989	1,890
May 31, 1989	1,880
June 30, 1989	1,990
July 31, 1989	1,900
August 31, 1989	1,900
September 30, 1989	1,930
October 31, 1989	1,640
November 30, 1989	1,570
December 31, 1989	1,600

PLATTE RIVER BASIN

( SALT CREEK )

YANKEE HILL LAKE (NO. 10) from Cardwell Branch Salt Creek - 1989  
 LOCATION.--Sec. 19-9-6 E. near Denton  
 GAGE.--Continuous stage recorder  
 PERIOD OF PUBLISHED RECORD.--1977 - present

CONESTOGA LAKE (NO. 12) from Holmes Creek - 1989  
 LOCATION.--Sec. 10-9-5 E. near Denton  
 GAGE.--Continuous stage recorder  
 PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1262.0	7,560
Top of conservation pool	1245.0	1,730
Top of dead storage pool	1237.0	446

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1252.0	10,640
Top of conservation pool	1233.0	2,630
Top of dead storage pool	1228.0	1,650

Date	Contents (Acre-feet)
December 31, 1988	1,240
January 31, 1989	1,230
February 28, 1989	1,230
March 31, 1989	1,230
April 30, 1989	1,150
May 31, 1989	1,080
June 30, 1989	1,200
July 31, 1989	1,130
August 31, 1989	1,100
September 30, 1989	1,810
October 31, 1989	1,710
November 30, 1989	1,640
December 31, 1989	1,620

Date	Contents (Acre-feet)
December 31, 1988	2,210
January 31, 1989	2,240
February 28, 1989	2,230
March 31, 1989	2,300
April 30, 1989	2,210
May 31, 1989	2,170
June 30, 1989	2,360
July 31, 1989	2,270
August 31, 1989	2,190
September 30, 1989	2,600
October 31, 1989	2,110
November 30, 1989	2,060
December 31, 1989	2,060

TWIN LAKES (NO.13) from South Branch Middle Creek - 1989  
 LOCATION.--Sec. 22-10-4 E. near Pleasant Dale  
 GAGE.--Continuous stage recorder  
 PERIOD OF PUBLISHED RECORD.--1977 - present

PAWNEE LAKE (NO. 9) from North Branch Middle Creek - 1989  
 LOCATION.--Sec. 16-10-5 E. near Emerald  
 GAGE.--Continuous stage recorder  
 PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1355.0	8,800
Top of conservation pool	1341.0	2,830
Top of dead storage pool	1333.0	1,240

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1263.5	28,120
Top of conservation pool	1244.5	7,980
Top of dead storage pool	1233.0	2,030

Date	Contents (Acre-feet)
December 31, 1988	1,710
January 31, 1989	1,740
February 28, 1989	1,750
March 31, 1989	1,330
April 30, 1989	1,280
May 31, 1989	1,220
June 30, 1989	1,240
July 31, 1989	1,180
August 31, 1989	1,150
September 30, 1989	1,300
October 31, 1989	1,260
November 30, 1989	1,220
December 31, 1989	1,210

Date	Contents (Acre-feet)
December 31, 1988	6,910
January 31, 1989	7,070
February 28, 1989	7,250
March 31, 1989	7,510
April 30, 1989	7,420
May 31, 1989	7,300
June 30, 1989	7,520
July 31, 1989	7,270
August 31, 1989	7,120
September 30, 1989	7,790
October 31, 1989	6,120
November 30, 1989	6,060
December 31, 1989	6,070

**P L A T T E R I V E R B A S I N**  
**( S A L T C R E E K )**

ANTELOPE LAKE (HOLMES PARK NO. 17) from Antelope Creek - 1989  
LOCATION.--Sec. 4-9-7 E. in Lincoln  
GAGE.--Continuous stage recorder  
PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1266.0	6,540
Top of conservation pool	1242.5	738
Top of dead storage pool	1239.0	395

Date	Contents (Acre-feet)
December 31, 1988 .....	694
January 31, 1989 .....	690
February 28, 1989 .....	735
March 31, 1989 .....	695
April 30, 1989 .....	605
May 31, 1989 .....	549
June 30, 1989 .....	858
July 31, 1989 .....	817
August 31, 1989 .....	873
September 30, 1989 .....	861
October 31, 1989 .....	811
November 30, 1989 .....	758
December 31, 1989 .....	729

BRANCHED OAK LAKE (NO. 18) from Oak Creek - 1989  
LOCATION.--Sec. 34-12-5 E. near Raymond  
GAGE.--Continuous stage recorder  
PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1311.5	99,400
Top of conservation pool	1284.0	25,990
Top of dead storage pool	1276.3	14,080

Date	Contents (Acre-feet)
December 31, 1988 .....	24,230
January 31, 1989 .....	24,650
February 28, 1989 .....	25,030
March 31, 1989 .....	25,800
April 30, 1989 .....	25,470
May 31, 1989 .....	25,170
June 30, 1989 .....	25,850
July 31, 1989 .....	25,100
August 31, 1989 .....	24,180
September 30, 1989 .....	26,360
October 31, 1989 .....	23,940
November 30, 1989 .....	21,790
December 31, 1989 .....	21,900

PLATTE RIVER BASIN

( SALT CREEK )

OAK CREEK at Lincoln - 1989

LOCATION.--NE1/4NE1/4 Sec. 7-10-6 E.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1987 - present

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,430 cubic feet per second on August 26, 1987, gage height 17.06 feet.  
Minimum daily discharge, 2.8 cubic feet per second on August 2, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1989, 4,680 cubic feet per second on Sep. 8, gage height 15.79 feet.  
Minimum daily discharge 2.8 cubic feet per second on August 2.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	11	20	40	19	15	10	24	4.0	5.9	20	115	17
2	12	16	26	19	14	13	19	2.8	6.2	20	115	14
3	13	15	18	18	15	55	18	3.7	17	19	112	20
4	15	15	16	19	19	36	18	4.0	177	17	109	15
5	17	15	14	20	19	18	20	4.7	43	17	109	15
6	20	14	14	19	18	15	17	4.3	23	18	107	17
7	19	14	23	19	17	34	15	4.0	16	18	104	15
8	15	14	52	18	17	81	15	3.6	1,320	18	102	14
9	15	14	121	21	15	22	15	3.7	1,760	17	98	13
10	15	14	100	19	15	18	14	3.6	215	16	28	13
11	15	14	57	19	15	18	14	6.3	132	15	16	12
12	15	17	39	19	16	16	16	4.9	112	15	14	11
13	15	18	31	17	16	12	16	5.2	99	15	13	11
14	15	16	28	16	15	11	16	4.1	83	15	14	11
15	15	14	25	16	15	11	20	3.7	73	16	15	11
16	16	14	23	16	16	11	22	5.0	65	18	14	11
17	17	14	24	17	16	11	25	6.7	59	20	14	11
18	18	14	23	16	21	11	20	7.2	54	17	15	11
19	19	14	23	16	39	9.7	17	25	49	18	15	11
20	21	14	23	16	21	9.3	14	16	46	18	15	11
21	22	14	22	16	17	6.9	10	19	44	18	15	11
22	22	14	22	15	15	10	11	55	39	19	14	11
23	21	14	22	15	14	11	7.7	17	36	21	14	11
24	22	14	19	14	13	34	6.8	9.7	32	127	14	11
25	21	26	20	15	11	598	9.2	11	29	125	15	11
26	17	42	19	15	8.1	97	7.8	9.1	27	126	15	12
27	20	76	19	16	8.8	38	7.2	12	25	126	14	13
28	32	48	19	15	11	26	7.9	15	24	124	14	16
29	41	-----	20	15	13	21	6.4	10	23	124	21	14
30	38	-----	19	16	14	19	7.4	9.1	22	125	18	13
31	28	-----	20	-----	11	-----	9.2	6.2	-----	118	-----	13
TOTAL	602	548	941	511	489.9	1,282.9	445.6	295.6	4,656.1	1,400	1,298	400
MEAN	19.4	19.6	30.4	17.0	15.8	42.8	14.4	9.54	155	45.2	43.3	12.9
MAX	41	76	121	21	39	598	25	55	1,760	127	115	20
MIN	11	14	14	14	8.1	6.9	6.4	2.8	5.9	15	13	11
AC-FT	1,190	1,090	1,870	1,010	972	2,540	884	586	9,240	2,780	2,570	793
TOTAL 12 MONTHS.--MEAN		35.3	MAX	1,760	MIN	2.8	AC-FT	25,530				

# R E P U B L I C A N   R I V E R   B A S I N

HAIGLER CANAL from Republican River - 1989

LOCATION.--Sec. 2-1-43 W. near Laird, CO

GAGE.--Continuous stage recorder and 5 ft. Parshall flume

PERIOD OF RECORD.--1927, 1941, 1949 - 1956, 1962 - present

REMARKS.--Values furnished by the State of Colorado

Day	May	Jun	Jul	Aug	Sep	Oct	Nov
1	0	19	20	20	23	8.7	16
2	0	18	16	17	24	15	16
3	13	18	17	30	24	15	16
4	22	26	22	29	18	19	16
5	23	18	22	28	16	21	16
6	29	9.6	21	28	15	20	15
7	33	4.1	21	29	15	20	4.0
8	36	3.2	21	27	15	21	0
9	37	6.0	19	20	18	20	0
10	34	3.0	16	19	18	20	0
11	27	1.1	18	19	14	21	0
12	26	.20	18	34	18	21	1.1
13	30	0	20	34	6.4	22	1.1
14	31	0	26	27	0	23	1.0
15	31	0	37	25	0	23	.40
16	36	0	34	16	0	24	0
17	34	0	30	15	0	25	0
18	27	0	29	16	0	22	0
19	24	0	28	17	0	19	0
20	28	16	29	17	0	20	0
21	25	27	26	18	0	20	11
22	22	26	24	16	3.2	19	22
23	20	26	23	13	9.4	19	22
24	20	23	22	10	7.4	20	19
25	19	21	25	16	6.0	21	18
26	18	23	24	15	6.7	20	16
27	24	19	24	15	5.6	18	16
28	27	17	22	17	5.8	14	12
29	27	25	18	16	5.6	8.2	.90
30	23	25	18	17	6.4	12	0
31	20	-----	21	24	-----	15	-----
TOTAL	766	374.20	711	644	280.5	585.9	239.50
MEAN	24.7	12.5	22.9	20.8	9.35	18.9	7.98
MAX	37	27	37	34	24	25	22
MIN	0	0	16	10	0	8.2	0
AC-FT	1,520	742	1,410	1,280	556	1,160	475

TOTAL 7 MONTHS.--AC-FT      7,140

# R E P U B L I C A N R I V E R B A S I N

HAIGLER CANAL from Republican River - 1989

LOCATION.--NE1/4NW1/4 Sec. 15-1-42 W. at Colorado - Nebraska State line

GAGE.--Continuous stage recorder and 4 ft. Parshall flume

PERIOD OF RECORD.--1985 - present

REMARKS.--Values furnished by the State of Colorado

Day	May	Jun	Jul	Aug	Sep	Oct	Nov
1	0	16	17	13	16	5.9	15
2	0	12	13	14	17	13	15
3	11	14	12	23	18	13	15
4	17	21	13	18	16	16	15
5	14	16	19	16	12	18	15
6	16	8.6	14	16	13	18	14
7	18	3.2	13	17	8.9	17	6.0
8	20	1.2	14	18	6.7	18	0
9	22	.70	13	14	11	18	0
10	16	1.0	9.6	14	17	18	0
11	20	.60	12	14	12	18	0
12	18	0	13	24	14	19	1.0
13	22	0	15	28	13	19	1.0
14	22	0	18	22	1.1	20	1.0
15	27	0	20	23	0	20	.20
16	32	0	23	14	0	21	0
17	34	0	18	14	0	22	0
18	26	0	16	14	0	21	0
19	22	0	18	14	0	19	0
20	24	4.6	20	13	0	18	0
21	22	18	16	15	0	18	0
22	19	18	13	16	0	17	8.5
23	17	20	14	13	5.9	17	15
24	16	19	14	6.8	6.0	17	14
25	13	17	17	7.7	5.0	17	12
26	12	17	15	7.9	6.2	18	12
27	19	16	14	10	4.4	18	11
28	20	9.2	14	15	5.0	13	9.5
29	22	19	10	14	4.2	7.6	1.0
30	20	22	8.7	12	4.9	12	0
31	15	-----	13	14	-----	14	-----
<b>TOTAL</b>	<b>576</b>	<b>274.10</b>	<b>459.3</b>	<b>474.4</b>	<b>217.3</b>	<b>520.5</b>	<b>181.20</b>
<b>MEAN</b>	<b>18.6</b>	<b>9.14</b>	<b>14.8</b>	<b>15.3</b>	<b>7.24</b>	<b>16.8</b>	<b>6.04</b>
<b>MAX</b>	<b>34</b>	<b>22</b>	<b>23</b>	<b>28</b>	<b>18</b>	<b>22</b>	<b>15</b>
<b>MIN</b>	<b>0</b>	<b>0</b>	<b>8.7</b>	<b>6.8</b>	<b>0</b>	<b>5.9</b>	<b>0</b>
<b>AC-FT</b>	<b>1,140</b>	<b>544</b>	<b>911</b>	<b>941</b>	<b>431</b>	<b>1,030</b>	<b>359</b>

TOTAL 7 MONTHS.--AC-FT      5,360

# R E P U B L I C A N R I V E R B A S I N

HAIGLER CANAL SPILLBACK to Arikaree River - 1989

LOCATION.--NW1/4NE1/4 Sec. 36-1-42 W. near Haigler

GAGE.--Continuous stage recorder and 4 ft. Parshall flume

PERIOD OF RECORD.--1985, 1987 - present

REMARKS.--Values furnished by the State of Colorado

Day	May	Jun	Jul	Aug	Sep	Oct	Nov
1	.02	6.1	9.1	0	1.7	3.2	1.7
2	.02	4.1	6.6	0	2.8	9.1	3.2
3	2.8	6.1	5.7	0	2.6	5.4	1.6
4	6.8	9.3	5.7	0	4.5	5.7	1.2
5	7.2	11	5.5	0	2.0	7.7	2.8
6	2.6	7.7	0	0	2.0	7.7	1.7
7	1.6	2.8	0	0	4.1	6.8	1.5
8	2.6	.88	0	0	1.8	7.2	0
9	1.2	0	0	0	4.9	7.3	0
10	.02	0	0	.22	11	7.0	0
11	.88	0	0	1.4	9.6	5.7	0
12	.49	0	0	.72	8.3	7.3	0
13	1.1	0	0	7.0	14	5.9	0
14	3.5	0	0	12	2.4	5.9	0
15	6.4	0	0	12	.05	9.8	0
16	5.7	0	.12	11	.02	13	0
17	14	0	.08	9.8	.02	13	0
18	10	0	.05	12	.02	13	0
19	5.7	0	.01	12	.01	11	0
20	7.0	3.8	1.1	12	.01	7.9	0
21	8.5	12	0	12	.01	5.5	0
22	5.4	10	0	11	0	7.9	2.3
23	4.4	12	0	12	.12	6.2	12
24	2.0	15	0	3.5	4.1	4.1	12
25	1.6	13	0	5.5	1.7	2.9	10
26	1.6	13	0	5.0	1.9	4.1	10
27	1.7	21	0	7.2	1.3	3.8	8.3
28	1.6	5.9	0	12	2.5	13	5.5
29	1.8	16	0	7.9	2.1	6.8	3.3
30	4.9	18	0	5.0	2.4	2.9	.56
31	5.0	-----	0	1.1	-----	.64	-----
<b>TOTAL</b>	<b>118.13</b>	<b>187.68</b>	<b>33.96</b>	<b>172.34</b>	<b>87.96</b>	<b>217.44</b>	<b>77.66</b>
<b>MEAN</b>	<b>3.81</b>	<b>6.26</b>	<b>1.10</b>	<b>5.56</b>	<b>2.93</b>	<b>7.01</b>	<b>2.59</b>
<b>MAX</b>	<b>14</b>	<b>21</b>	<b>9.1</b>	<b>12</b>	<b>14</b>	<b>13</b>	<b>12</b>
<b>MIN</b>	<b>.02</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>.64</b>	<b>0</b>
<b>AC-FT</b>	<b>234</b>	<b>372</b>	<b>67</b>	<b>342</b>	<b>174</b>	<b>431</b>	<b>154</b>

TOTAL 7 MONTHS.--AC-FT 1,780



# R E P U B L I C A N R I V E R B A S I N

MEEKER-DRIFTWOOD CANAL from Republican River - 1989

LOCATION.--SW1/4NW1/4 Sec. 9-2-33 W. below Trenton Dam

GAGE.--Continuous stage recorder and 12 ft. Parshall flume

PERIOD OF RECORD.--1957 - present

REMARKS.--Values furnished by United States Bureau of Reclamation

Day	Jun	Jul	Aug	Sep
1	0	76	181	201
2	0	76	181	197
3	0	76	194	196
4	0	81	216	196
5	0	93	224	180
6	0	144	224	164
7	0	209	236	144
8	0	231	242	42
9	0	231	242	0
10	0	268	230	0
11	0	310	209	0
12	99	322	203	0
13	69	285	203	0
14	58	226	225	0
15	58	208	226	0
16	58	208	214	0
17	58	211	194	0
18	58	219	150	0
19	74	240	90	0
20	100	256	59	0
21	123	275	59	0
22	129	282	59	0
23	134	282	60	0
24	136	298	60	0
25	96	301	79	0
26	73	283	88	0
27	69	266	88	0
28	69	251	123	0
29	70	246	175	0
30	73	248	204	0
31	-----	214	209	-----
<b>TOTAL</b>	1,604	6,916	5,147	1,320
<b>MEAN</b>	53.5	223	166	44.0
<b>MAX</b>	136	322	242	201
<b>MIN</b>	0	76	59	0
<b>AC-FT</b>	3,180	13,720	10,210	2,620

**TOTAL 4 MONTHS.--AC-FT     29,730**

# R E P U B L I C A N   R I V E R   B A S I N

PARKS CANAL from Republican River - 1989

LOCATION.--NE1/4NE1/4 Sec. 28-1-39 W. near Parks

GAGE.--Staff gage

PERIOD OF RECORD.--1989

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	4.7	5.3	0	.63	6.9
2	0	4.5	5.1	0	.63	6.6
3	8.7	4.4	4.9	0	.63	6.1
4	8.7	4.2	4.2	1.1	.63	5.8
5	8.5	4.1	4.0	1.3	.35	5.8
6	8.5	4.0	3.6	1.3	.13	5.8
7	8.4	4.0	3.6	1.5	0	5.8
8	8.4	6.8	3.5	1.6	.63	5.8
9	8.3	11	3.4	1.7	1.9	5.8
10	8.2	10	3.3	1.9	4.0	5.8
11	7.9	9.3	3.2	2.3	6.9	5.8
12	7.8	8.8	3.1	2.7	6.7	5.8
13	7.5	8.3	3.0	3.3	6.5	5.8
14	7.4	7.8	4.4	3.8	6.3	5.8
15	7.1	7.2	2.2	4.5	6.0	5.3
16	6.9	6.7	.86	5.2	5.8	4.9
17	6.7	6.3	.02	5.8	5.5	4.9
18	6.7	5.7	.02	5.1	5.2	4.9
19	6.5	5.3	.01	4.3	4.9	4.9
20	6.4	4.8	.01	3.6	4.6	4.9
21	6.1	4.3	.01	3.0	4.3	4.9
22	6.0	4.0	0	2.5	4.0	2.3
23	5.8	4.3	0	2.0	3.7	.75
24	5.7	4.6	0	1.6	3.5	0
25	5.5	5.1	0	1.2	3.2	0
26	5.4	5.3	0	.90	5.3	0
27	5.2	5.5	0	.63	8.0	0
28	5.2	5.6	0	.63	7.8	0
29	5.1	5.7	0	.63	7.5	0
30	5.0	5.7	0	.63	7.1	0
31	4.8	-----	0	.63	-----	0
TOTAL	198.4	178.0	57.73	65.35	122.33	121.15
MEAN	6.40	5.93	1.86	2.11	4.08	3.91
MAX	8.7	11	5.3	5.8	8.0	6.9
MIN	0	4.0	0	0	0	0
AC-FT	394	353	115	130	243	240

TOTAL 6 MONTHS.--AC-FT      1,470

REPUBLICAN RIVER BASIN

CHAMPION CANAL from Frenchman River - 1989

LOCATION.--NW1/4SW1/4 Sec. 23-6-40 W. near Champion

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1923, 1925, 1927 - 1928, 1933, 1938 - 1941, 1963 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	.32	.01	.01	4.2	4.7	4.7	6.2	1.1	.98	2.3	1.8	3.1
2	.32	.01	.01	4.2	4.8	4.6	5.9	.32	.97	2.1	1.9	3.1
3	.30	.20	.01	4.2	4.7	4.6	5.4	6.0	.97	2.1	2.1	3.1
4	.30	.44	.01	4.0	4.2	4.5	5.0	6.8	.96	2.1	2.2	3.1
5	.30	.28	.01	3.9	3.8	4.5	4.5	7.7	.94	2.1	2.4	3.1
6	.32	.30	.01	4.0	3.9	4.4	4.1	7.3	.92	2.1	3.0	3.1
7	.17	.30	.01	4.0	4.6	4.6	3.7	5.8	.95	2.1	3.0	3.1
8	.09	.30	.01	4.0	5.7	4.4	3.3	4.6	1.0	2.1	2.7	3.2
9	.08	.31	.82	4.1	5.9	4.4	2.9	3.9	1.1	2.1	2.7	3.2
10	.07	.19	2.2	4.2	5.5	4.6	2.5	3.5	1.2	2.1	2.8	3.2
11	.07	.01	2.7	4.3	5.2	4.7	2.3	3.0	1.2	2.0	2.8	3.2
12	.05	.02	3.2	4.3	5.2	5.0	2.0	2.5	1.5	2.0	2.8	3.3
13	.04	.03	3.4	4.4	5.5	5.0	2.1	2.2	1.7	2.0	2.8	3.3
14	.03	.04	3.5	4.4	5.6	4.8	2.4	1.7	1.8	2.1	2.8	3.3
15	.05	.02	3.4	4.3	5.5	4.6	2.3	1.4	1.9	2.2	2.8	3.3
16	.04	.02	3.5	4.2	5.5	4.4	2.2	1.2	1.9	2.1	2.8	3.3
17	.03	.03	3.8	4.2	6.0	4.3	2.3	1.2	1.9	2.2	2.8	3.4
18	.02	.22	3.8	4.1	6.2	4.0	2.3	1.2	1.8	2.3	2.8	3.4
19	.02	.04	3.8	4.0	6.2	3.9	2.2	1.6	1.7	2.4	2.9	3.4
20	.02	.12	3.9	4.2	6.0	3.8	2.2	2.0	1.6	2.5	2.9	3.4
21	.02	.09	3.9	4.3	6.2	3.4	2.1	1.9	1.6	2.5	2.9	3.5
22	.02	.03	4.2	4.3	6.6	3.1	2.1	1.6	1.6	2.5	3.0	3.5
23	.01	.02	4.3	4.3	6.3	3.0	2.1	1.4	1.5	2.5	3.0	3.5
24	.01	.01	4.4	4.3	6.0	3.2	2.1	1.2	1.6	2.5	3.0	3.5
25	.01	.01	4.3	4.3	5.5	4.9	2.1	1.2	1.6	2.5	3.0	3.6
26	.01	.01	4.3	4.5	5.2	5.6	2.1	1.1	1.6	2.2	3.0	3.6
27	.01	.01	4.3	4.5	5.0	5.4	2.1	1.1	1.6	1.9	3.0	3.6
28	.01	.01	4.2	4.6	4.9	5.1	2.1	1.1	1.6	1.9	3.0	3.6
29	.01	-----	4.1	4.6	4.8	5.8	2.1	1.1	1.7	1.9	3.0	3.6
30	.01	-----	4.2	4.7	4.6	6.3	2.1	1.1	2.0	1.8	3.0	3.7
31	.01	-----	4.2	-----	4.6	-----	2.1	1.0	-----	1.8	-----	3.7
TOTAL	2.77	3.08	84.50	127.6	164.4	135.6	88.9	78.82	43.39	67.0	82.7	104.0
MEAN	.089	.11	2.73	4.25	5.30	4.52	2.87	2.54	1.45	2.16	2.76	3.35
MAX	.32	.44	4.4	4.7	6.6	6.3	6.2	7.7	2.0	2.5	3.0	3.7
MIN	.01	.01	.01	3.9	3.8	3.0	2.0	.32	.92	1.8	1.8	3.1
AC-FT	5.5	6.1	168	253	326	269	176	156	86	133	164	206
TOTAL 12 MONTHS.--MEAN		2.69	MAX	7.7	MIN	.01	AC-FT	1,950				

# R E P U B L I C A N   R I V E R   B A S I N

CULBERTSON CANAL from Frenchman River - 1989

LOCATION.--SW1/4NW1/4 Sec. 32-5-33 W. near Palisade

GAGE.--Continuous stage recorder and Parshall Recorder

PERIOD OF RECORD.--1920 - present

REMARKS.--Values furnished by United States Bureau of Reclamation

Day	Apr	May	Jun	Jul	Aug
1	0	40	41	89	181
2	0	40	41	85	142
3	0	40	41	82	123
4	0	41	40	78	130
5	0	39	43	77	130
6	0	39	41	90	129
7	0	39	44	102	153
8	0	39	46	123	176
9	0	37	46	132	180
10	0	35	47	150	179
11	1.7	35	46	174	165
12	40	31	46	194	157
13	46	37	44	193	156
14	45	41	42	190	167
15	48	44	43	128	179
16	48	44	42	148	179
17	48	45	40	146	186
18	47	49	37	127	196
19	47	52	33	117	220
20	47	51	33	115	228
21	46	50	52	145	241
22	46	49	80	157	242
23	45	29	95	160	165
24	43	50	98	178	92
25	43	50	90	196	48
26	44	45	102	208	0
27	45	45	91	193	0
28	48	44	88	172	0
29	43	41	86	154	0
30	41	40	86	153	0
31	-----	40	-----	167	0
<b>TOTAL</b>	861.7	1,301	1,704	4,423	4,144
<b>MEAN</b>	28.7	42.0	56.8	143	134
<b>MAX</b>	48	52	102	208	242
<b>MIN</b>	0	29	33	77	0
<b>AC-FT</b>	1,710	2,580	3,380	8,770	8,220

TOTAL 5 MONTHS.--AC-FT      24,660

# R E P U B L I C A N   R I V E R   B A S I N

RIVERSIDE CANAL from Frenchman River - 1989

LOCATION.--NE1/4SE1/4 Sec. 33-4-32 W. near Culbertson

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1920 - 1925, 1927, 1937 - 1941, 1953 - 1958, 1963 - present

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	0	9.6	16	7.2	14
2	0	0	11	14	12	11
3	0	0	12	13	12	0
4	0	0	13	15	12	0
5	4.7	0	13	14	12	0
6	9.3	0	14	13	12	0
7	7.0	0	14	15	12	0
8	7.6	0	13	16	12	0
9	10	0	12	15	12	0
10	10	0	11	14	13	0
11	10	0	13	11	13	0
12	10	0	13	10	13	0
13	11	0	14	8.3	13	0
14	10	0	15	9.8	13	0
15	11	4.7	15	11	13	0
16	11	11	13	11	13	0
17	12	12	11	11	14	0
18	12	11	11	11	14	0
19	13	9.9	8.2	15	13	0
20	12	6.3	6.2	10	12	0
21	4.2	9.6	6.2	.89	14	0
22	0	9.4	7.3	10	14	0
23	0	10	8.3	9.8	14	0
24	0	12	9.4	8.9	14	0
25	0	5.8	9.0	4.0	14	0
26	0	0	8.3	.02	14	0
27	0	4.1	6.4	.01	14	0
28	0	8.0	4.7	0	14	0
29	0	8.9	3.9	0	14	0
30	0	9.1	4.6	0	14	0
31	0	-----	15	0	-----	0
TOTAL	164.8	131.8	325.1	286.72	387.2	25
MEAN	5.32	4.39	10.5	9.25	12.9	.81
MAX	13	12	15	16	14	14
MIN	0	0	3.9	0	7.2	0
AC-FT	327	261	645	569	768	50

TOTAL 6 MONTHS.--AC-FT      2,620

# R E P U B L I C A N   R I V E R   B A S I N

RED WILLOW CANAL from Red Willow Creek - 1989

LOCATION.--SW1/4SE1/4 Sec 25-4-29 W. near Red Willow

GAGE.--Continuous stage recorder and orifice

PERIOD OF RECORD.--1963 - present

REMARKS.--Values furnished by United States Bureau of Reclamation

Day	Jun	Jul	Aug	Sep
1	0	16	26	29
2	0	16	22	31
3	0	18	20	31
4	0	18	23	26
5	0	37	25	22
6	0	56	25	23
7	0	75	48	24
8	0	83	58	7.9
9	0	83	62	0
10	0	86	68	0
11	0	89	63	0
12	0	90	60	0
13	0	83	58	0
14	33	79	53	0
15	21	79	49	0
16	0	80	44	0
17	0	83	43	0
18	3.6	65	34	0
19	32	55	30	0
20	49	56	30	0
21	67	59	26	0
22	72	62	24	0
23	84	62	23	0
24	89	66	25	0
25	42	71	30	0
26	18	77	31	0
27	18	75	31	0
28	17	64	29	0
29	16	61	27	0
30	16	62	26	0
31	-----	43	25	-----
TOTAL	577.6	1,949	1,138	193.9
MEAN	19.3	62.9	36.7	6.46
MAX	89	90	68	31
MIN	0	16	20	0
AC-FT	1,150	3,870	2,260	385

TOTAL 4 MONTHS.--AC-FT      7,650

# R E P U B L I C A N   R I V E R   B A S I N

BARTLEY CANAL from Republican River - 1989

LOCATION.--NW1/4SW1/4 Sec. 16-3-27 W. near Indianola

GAGE.--Continuous stage recorder and 8 ft. Parshall flume

PERIOD OF RECORD.--1955 - present

REMARKS.--Values furnished by United States Bureau of Reclamation

Day	Jun	Jul	Aug	Sep
1	0	18	37	48
2	0	17	29	42
3	0	17	27	42
4	0	16	40	48
5	0	27	46	60
6	0	38	46	61
7	0	67	60	45
8	0	79	75	12
9	0	79	101	0
10	0	99	112	0
11	0	114	109	0
12	0	115	107	0
13	0	111	106	0
14	0	96	91	0
15	0	85	73	0
16	0	83	58	0
17	0	78	47	0
18	0	71	43	0
19	13	64	37	0
20	30	59	33	0
21	42	54	29	0
22	57	52	25	0
23	64	52	20	0
24	65	64	18	0
25	39	87	26	0
26	21	93	29	0
27	18	88	30	0
28	17	86	28	0
29	17	90	35	0
30	17	93	46	0
31	-----	66	55	-----
<b>TOTAL</b>	400	2,158	1,618	358
<b>MEAN</b>	13.3	69.6	52.2	11.9
<b>MAX</b>	65	115	112	61
<b>MIN</b>	0	16	18	0
<b>AC-FT</b>	793	4,280	3,210	710

TOTAL 4 MONTHS.--AC-FT      8,990

# R E P U B L I C A N   R I V E R   B A S I N

CAMBRIDGE CANAL from Republican River - 1989

LOCATION.--SE1/4NE1/4 Sec. 26-4-25 W. near Cambridge

GAGE.--Continuous stage recorder and 15 ft. Parshall flume

PERIOD OF RECORD.--1951 - present

REMARKS.--Values furnished by United States Bureau of Reclamation

Day	Jun	Jul	Aug	Sep
1	0	57	146	126
2	0	53	131	122
3	0	75	135	119
4	0	90	163	147
5	0	110	172	159
6	0	127	173	147
7	0	189	249	121
8	0	210	304	30
9	0	209	315	0
10	0	274	308	0
11	0	321	295	0
12	0	330	291	0
13	0	324	287	0
14	0	305	262	0
15	0	276	261	0
16	0	269	243	0
17	0	259	224	0
18	0	234	189	0
19	105	233	159	0
20	76	230	152	0
21	100	213	144	0
22	121	204	147	0
23	161	204	145	0
24	174	257	166	0
25	75	313	160	0
26	40	322	146	0
27	41	312	148	0
28	51	294	156	0
29	51	280	164	0
30	53	279	162	0
31	-----	207	144	-----
<b>TOTAL</b>	1,048	7,060	5,141	971
<b>MEAN</b>	34.9	228	198	32.4
<b>MAX</b>	174	330	315	159
<b>MIN</b>	0	53	131	0
<b>AC-FT</b>	2,080	14,000	12,180	1,930

TOTAL 4 MONTHS.--AC-FT    30,190



# R E P U B L I C A N   R I V E R   B A S I N

NAPONEE CANAL from Republican River - 1989

LOCATION.--NE1/4NE1/4 Sec. 14-1-17 W. below Harlan County Dam

GAGE---Sparling Meter

PERIOD OF RECORD---1955 - present

REMARKS---Values furnished by United States Bureau of Reclamation

Day	Jun	Jul	Aug	Sep
1	0	0	0	0
2	0	4.7	0	0
3	0	15	0	0
4	0	20	0	5.2
5	0	25	0	13
6	0	30	3.1	16
7	0	31	20	16
8	4.1	33	29	12
9	0	34	34	9.2
10	0	34	36	9.2
11	0	34	36	9.2
12	0	32	36	4.4
13	0	28	36	0
14	0	26	34	0
15	0	12	32	0
16	0	0	32	0
17	0	0	32	0
18	0	0	27	0
19	0	0	17	0
20	0	0	13	0
21	10	0	13	0
22	19	0	15	0
23	22	5.1	17	0
24	22	22	17	0
25	9.3	32	7.1	0
26	0	36	0	0
27	0	38	0	0
28	0	39	0	0
29	0	38	0	0
30	0	37	0	0
31	-----	18	0	-----
<b>TOTAL</b>	<b>86.4</b>	<b>623.8</b>	<b>486.2</b>	<b>94.2</b>
<b>MEAN</b>	<b>2.88</b>	<b>20.1</b>	<b>15.7</b>	<b>3.14</b>
<b>MAX</b>	<b>22</b>	<b>39</b>	<b>36</b>	<b>16</b>
<b>MIN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>AC-FT</b>	<b>171</b>	<b>1,240</b>	<b>964</b>	<b>187</b>

TOTAL 4 MONTHS.--AC-FT      2,560

# R E P U B L I C A N R I V E R B A S I N

FRANKLIN CANAL from Republican River - 1989

LOCATION.--NW1/4NE1/4 Sec. 11-1-17 W. below Harlan County Dam

GAGE.--Continuous stage recorder and orifice

PERIOD OF RECORD.--1954 - present

REMARKS.--Values furnished by United States Bureau of Reclamation

Day	Jun	Jul	Aug	Sep
1	0	116	130	0
2	0	115	130	0
3	0	115	134	48
4	0	125	161	95
5	0	144	190	122
6	0	150	216	142
7	0	173	246	153
8	0	201	254	153
9	0	215	254	135
10	0	231	252	120
11	0	238	252	106
12	0	216	251	46
13	0	193	250	0
14	0	192	250	0
15	0	163	250	0
16	0	123	248	0
17	0	114	243	0
18	0	104	227	0
19	51	118	197	0
20	105	169	174	0
21	105	197	169	0
22	116	220	166	0
23	135	242	193	0
24	135	254	197	0
25	76	254	124	0
26	0	253	78	0
27	0	250	78	0
28	39	251	70	0
29	109	254	28	0
30	118	254	0	0
31	-----	186	0	-----
TOTAL	989	5,830	5,412	1,120
MEAN	33.0	188	175	37.3
MAX	135	254	254	153
MIN	0	104	0	0
AC-FT	1,960	11,560	10,730	2,220

TOTAL 4 MONTHS.--AC-FT 26,480

# R E P U B L I C A N   R I V E R   B A S I N

FRANKLIN PUMP CANAL from Republican River - 1989

LOCATION.--NW1/4NE1/4 Sec. 10-1-14 W. near Franklin

GAGE.--Continuous stage recorder and 4 ft. Parshall flume

PERIOD OF RECORD.--1954 - present

REMARKS.--Values furnished by United States Bureau of Reclamation

Day	Jun	Jul	Aug
1	0	0	20
2	0	0	22
3	0	0	24
4	0	0	23
5	0	0	22
6	0	0	24
7	0	11	29
8	0	27	33
9	0	27	34
10	0	33	33
11	0	32	33
12	0	29	32
13	0	30	31
14	0	31	32
15	5.6	23	33
16	0	15	32
17	0	17	32
18	0	20	31
19	0	23	22
20	0	27	14
21	0	27	14
22	5.6	23	15
23	13	26	15
24	14	35	14
25	5.0	44	0
26	0	44	0
27	0	43	0
28	0	43	0
29	4.4	42	0
30	11	41	0
31	-----	32	0
<b>TOTAL</b>	<b>58.6</b>	<b>745</b>	<b>614</b>
<b>MEAN</b>	<b>1.95</b>	<b>24.0</b>	<b>19.8</b>
<b>MAX</b>	<b>14</b>	<b>44</b>	<b>34</b>
<b>MIN</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>AC-FT</b>	<b>116</b>	<b>1,480</b>	<b>1,220</b>

TOTAL 3 MONTHS.--AC-FT      2,810

# R E P U B L I C A N R I V E R B A S I N

COURTLAND CANAL from Republican River - 1989

LOCATION.--SE1/4SE1/4 Sec. 7-1-9 W. near Guide Rock

GAGE.--Continuous stage recorder and orifice

PERIOD OF RECORD.--1952 -present

REMARKS.--Values furnished by United States Bureau of Reclamation

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	66	46	319	393	149	77
2	0	68	48	281	367	142	67
3	0	68	55	338	359	129	17
4	0	69	55	354	355	155	0
5	0	69	74	358	353	147	0
6	0	66	123	376	349	140	0
7	0	64	125	384	380	127	0
8	0	63	128	386	392	144	0
9	0	59	143	388	374	212	0
10	0	52	147	386	366	183	0
11	0	49	147	400	368	145	0
12	0	48	162	413	368	143	0
13	0	57	170	401	368	161	0
14	0	64	134	403	371	167	0
15	0	67	120	416	377	129	0
16	0	66	120	410	386	111	0
17	0	58	160	337	386	104	0
18	0	66	183	272	380	99	0
19	33	71	227	249	382	93	0
20	68	67	260	251	382	89	0
21	69	62	340	249	351	86	0
22	70	70	426	251	334	84	0
23	71	74	435	249	312	80	0
24	71	73	415	330	287	80	0
25	71	70	426	383	339	83	0
26	73	58	434	378	380	83	0
27	65	53	323	368	340	82	0
28	59	51	210	401	274	80	0
29	64	50	238	410	213	80	0
30	64	47	305	411	190	79	0
31	-----	44	-----	424	167	-----	0
TOTAL	778	1,909	6,179	10,976	10,643	3,586	161
MEAN	25.9	61.6	206	354	343	120	5.19
MAX	73	74	435	424	393	212	77
MIN	0	44	46	249	167	79	0
AC-FT	1,540	3,790	12,260	21,770	21,110	7,110	319

TOTAL 7 MONTHS.--AC-FT 67,900

**R E P U B L I C A N R I V E R B A S I N**

SUPERIOR CANAL from Republican River - 1989

LOCATION.--NW1/4NW1/4 Sec. 8-1-9 W. near Guide Rock

GAGE.--Continuous stage recorder and 12 ft. Parshall flume

PERIOD OF RECORD.--1951 - present

REMARKS.--Values furnished by United States Bureau of Reclamation

Day	Jun	Jul	Aug
1	0	92	104
2	0	89	98
3	0	119	88
4	0	130	86
5	0	132	97
6	0	133	103
7	0	137	114
8	0	140	122
9	0	140	124
10	0	139	124
11	0	143	125
12	0	147	125
13	0	135	126
14	43	130	126
15	79	128	125
16	80	121	124
17	79	105	124
18	72	77	122
19	72	72	111
20	78	81	104
21	79	96	102
22	97	111	97
23	121	120	87
24	126	121	85
25	96	125	69
26	35	128	23
27	0	124	0
28	0	133	0
29	0	135	0
30	48	136	0
31	-----	130	0
<b>TOTAL</b>	<b>1,105</b>	<b>3,749</b>	<b>2,735</b>
<b>MEAN</b>	<b>36.8</b>	<b>121</b>	<b>88.2</b>
<b>MAX</b>	<b>126</b>	<b>147</b>	<b>126</b>
<b>MIN</b>	<b>0</b>	<b>72</b>	<b>0</b>
<b>AC-FT</b>	<b>2,190</b>	<b>7,440</b>	<b>5,420</b>

TOTAL 3 MONTHS.--AC-FT 15,050

**CANALS DIVERTING UNDER 25 ACRE-FEET**

COOK CANAL NO. 1 from Niobrara River - 1989

LOCATION.--SE1/4NE1/4 Sec. 2-28-56 W. near Agate

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - 1982, 1985 - present

Total Diverted in 1989 0 A. F.

RAMSBORN CANAL from North Platte River -1989

LOCATION.--NW1/4NE1/4 Sec. 19-23-57 W. near Henry

GAGE.--Continuous stage recorder and weir

PERIOD OF RECORD.--1919 - present

Total Diverted in 1989 0 A. F.

WINTERS CREEK FACTORY LATERAL from Winters Creek - 1989

LOCATION.--SE1/4NW1/4 Sec. 19-22-54 W. near Scottsbluff

GAGE.--Continuous stage recorder and 2 ft. Parshall flume

PERIOD OF RECORD.--1937 - present

Total Diverted in 1989 0 A. F.

**MISCELLANEOUS  
MEASUREMENTS OF  
RIVERS AND STREAMS**

**1989**

C H E Y E N N E R I V E R B A S I N

( H A T C R E E K )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>HAT CREEK</u>			
HAT CREEK, WEST, NEAR HARRISON	SE1/4NW1/4 SEC. 21-32-55 W.	04/25/89	1.2
HAT CREEK BELOW WEST HAT CREEK CANAL	SE1/4NE1/4 SEC. 16-32-55 W.	09/07/89	0.68
HAT CREEK ABOVE COFFEE CANAL	NW1/4NW1/4 SEC. 35-33-55 W.	09/07/89	1.3
HAT CREEK BELOW COFFEE FLOOD CANAL	SE1/4SE1/4 SEC. 11-33-55 W.	09/07/89 09/15/89 10/19/89 12/27/89	0.37 1.2 0.07 3.1
SOW BELLY CREEK BELOW SOW BELLY CANAL	SE1/4SW1/4 SEC. 7-32-55 W.	09/07/89	1.3
SOW BELLY CREEK ABOVE ANDREWS SUPPLY CANAL	SE1/4SW1/4 SEC. 5-32-55 W.	06/02/89	2.4
SOW BELLY CREEK BELOW ANDREWS SUPPLY CANAL	SW1/4SE1/4 SEC. 5-32-55 W.	06/02/89 06/02/89	1.1 1.3
SOW BELLY CREEK BELOW ZIMMERMAN CANAL	NE1/4SE1/4 SEC. 34-33-55 W.	12/27/89	3.0
SOW BELLY CREEK ABOVE MONTGOMERY CANAL	SE1/4SW1/4 SEC. 21-33-55 W.	09/07/89	1.1
SOW BELLY CREEK	SEC. 17-33-55 W.	09/07/89 10/19/89	0 0.27
PRAIRIE DOG CREEK NEAR HARRISON	NW1/4SE1/4 SEC. 17-33-55 W.	09/07/89	0
WARBONNET CREEK BELOW WARBONNET CANAL	NW1/4SW1/4 SEC. 21-33-56 W.	09/07/89	0
JIM CREEK ABOVE CALADONIA RESERVOIR	SEC. 13-33-57 W.	09/07/89	0.28
JIM CREEK ABOVE DOUT RESERVOIR	NW1/4NW1/4 SEC. 10-33-56 W.	09/07/89	0
JIM CREEK NEAR HARRISON	SW1/4NW1/4 SEC. 8-33-56 W.	09/07/89	0
JIM CREEK BELOW DOUT RESERVOIR	SEC. 7-33-56 W.	09/07/89	0
MONROE CREEK BELOW BIG MONROE CANAL	SW1/4NE1/4 SEC. 33-33-56 W.	09/07/89	0.29
MONROE CREEK ABOVE JORDAN RESERVOIR	NW1/4NW1/4 SEC. 23-33-56 W.	09/07/89	0
SOW BELLY CREEK BELOW JIM CREEK JUNCTION	SE1/4SE1/4 SEC. 4-33-55 W.	09/07/89 09/15/89 12/27/89	0 0 0
SQUAW CREEK NEAR MONTROSE	NW1/4SW1/4 SEC. 31-34-56 W.	09/07/89	0



**C H E Y E N N E   R I V E R   B A S I N**  
**(   H A T   C R E E K   )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>HAT CREEK</u>			
CHERRY CREEK AT MERLO RESERVOIR	SW1/4NE1/4 SEC. 29-33-54 W.	09/07/89	0
HAT CREEK AT MONTROSE	NE1/4SE1/4 SEC. 13-34-55 W.	03/27/89	0.32
		09/07/89	0
		09/15/89	0
		10/19/89	0.11
ANTELOPE CREEK NEAR MONTROSE	SE1/4SE1/4 SEC. 4-33-57 W.	09/07/89	0
HAT CREEK NEAR SEMROSKA CANAL	SEC. 6-34-54 W.	03/27/89	0.63
		10/19/89	0.03
WHITE HEAD CREEK ABOVE HAT CREEK JUNCTION	NE1/4NE1/4 SEC. 4-34-54 W.	09/07/89	0
HAT CREEK NEAR GEISERS BRIDGE	SW1/4SE1/4 SEC. 28-35-54 W.	09/07/89	0
		10/19/89	0.13
HAT CREEK NEAR ARDMORE, SOUTH DAKOTA	NE1/4NW1/4 SEC. 22-35-54 W.	03/27/89	3.2
		09/07/89	0
		09/26/89	3.0
		10/11/89	1.1
		10/19/89	0

W H I T E R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>WHITE RIVER</u>			
WHITE RIVER NEAR GLEN	NE1/4NW1/4 SEC. 1-30-54 W.	05/23/89	7.7
DEEP CREEK NEAR GLEN	SE1/4SE1/4 SEC. 32-31-53 W.	05/23/89	0.67
SOLDIERS CREEK ABOVE FORT ROBINSON RESERVOIR	NW1/4NW1/4 SEC. 4-31-53 W.	05/08/89	3.1
SOLDIERS CREEK ABOVE FORT ROBINSON CANAL	SW1/4NW1/4 SEC. 12-31-53 W.	05/08/89	1.6
WHITE RIVER BELOW WHITNEY DIVERSION	NE1/4NE1/4 SEC. 26-32-52 W.	06/12/89	9.5
WHITE CLAY CREEK NEAR CRAWFORD	NW1/4NE1/4 SEC. 2-31-52 W.	09/11/89	0.63
SQUAW CREEK ABOVE SQUAW CREEK RESERVOIR	SE1/4SE1/4 SEC. 12-31-52 W.	09/11/89 12/04/89	0.05 0.16
SQUAW CREEK BELOW SQUAW CREEK RESERVOIR	NW1/4NW1/4 SEC. 12-31-52 W.	12/04/89	0.20
WHITE RIVER AT WHITNEY	SE1/4NW1/4 SEC. 1-32-51 W.	07/20/89	4.0
SPRING CREEK NEAR CRAWFORD	NE1/4NE1/4 SEC. 13-32-52 W.	06/12/89	0
LITTLE COTTONWOOD CREEK NEAR CRAWFORD	NE1/4NE1/4 SEC. 8-32-51 W.	06/12/89	0.94
WHITE RIVER BELOW RASHER CANAL	SEC. 19-32-51 W.	06/22/89 07/20/89 07/24/89 08/07/89	1.2 3.1 1.3 0.61
WHITE RIVER ABOVE CHASEK PUMP	NW1/4SW1/4 SEC. 2-32-51 W.	07/31/89	3.5
WHITE RIVER BELOW CHASEK PUMP	SE1/4NE1/4 SEC. 2-32-51 W.	07/31/89	2.2
ASH CREEK, EAST, ABOVE BARRON CANAL	NW1/4NW1/4 SEC. 5-31-50 W.	11/02/89	1.1
ASH CREEK, EAST ABOVE NORMAN RES. DIV.	SE1/4SW1/4 SEC. 32-32-50 W.	03/29/89 05/31/89	2.8 2.5
ASH CREEK, EAST BELOW NORMAN RES. DIV.	SW1/4SW1/4 SEC. 32-32-50 W.	03/29/89 03/29/89 03/29/89 03/29/89	0.34 0.50 0.73 0.23
ASH CREEK NEAR WHITNEY	NW1/4NW1/4 SEC. 7-32-50 W.	06/23/89	0.53
INDIAN CREEK NEAR WHITNEY	NW1/4SW1/4 SEC. 4-32-50 W.	10/26/89	0
BIG COTTONWOOD CREEK NEAR WHITNEY	SW1/4SW1/4 SEC. 22-33-50 W.	06/23/89	1.1

## W H I T E R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>WHITE RIVER</u>			
WHITE RIVER AT CUCKLER PUMP	SEC. 24-33-50 W.	07/20/89	5.1
DEAD HORSE CREEK NEAR CHADRON	NW1/4NW1/4 SEC. 32-33-49 W.	06/27/89	1.9
WHITE RIVER ABOVE SOMMER PUMP	SEC. 19-33-49 W.	07/18/89	6.7
WHITE RIVER BELOW CHADRON CREEK	SEC. 10-33-49 W.	07/20/89	3.3
WHITE RIVER ABOVE SCHOMMER PUMP	SEC. 25-34-49 W.	06/23/89	0.24
BIG BORDEAUX CREEK	NW1/4NW1/4 SEC. 26-32-48 W.	10/23/89	0.19
LITTLE BORDEAUX CREEK BELOW REDFERN PUMP	SEC. 30-33-47 W.	07/13/89	0.66
BIG BORDEAUX CREEK BELOW THOMAS CANAL	SE1/4SE1/4 SEC. 34-34-48 W.	10/23/89	1.4
WHITE RIVER NEAR STATE LINE	NW1/4SE1/4 SEC. 6-34-47 W.	10/23/89	1.2
WHITE CLAY CREEK NEAR RUSHVILLE	SE1/4SE1/4 SEC. 2-33-45 W.	06/20/89	0
WHITE CLAY CREEK NEAR WHITE CLAY	SE1/4SE1/4 SEC. 24-35-45 W.	06/20/89	4.7
<u>HAY CREEK</u>			
HAY CREEK NEAR CODY	NW1/4NW1/4 SEC. 31-35-33 W.	07/26/89 07/26/89	2.2 2.2

MISSOURI RIVER TRIBUTARIES  
(CHEYENNE TO THE NIobrARA)

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>NINE MILE CREEK</u>			
NINE MILE GULCH NEAR GROSS	NW1/4SW1/4 SEC. 29-35-10 W.	07/24/89	0
<u>PONCA CREEK</u>			
PONCA CREEK, TRIB. TO NEAR MAPER	NE1/4NW1/4 SEC. 32-35-15 W.	07/24/89	0
PONCA CREEK NEAR MAPER	NE1/4SE1/4 SEC. 23-35-15 W.	07/24/89	0.64
DRY CREEK AT ANOKA	SW1/4SE1/4 SEC. 3-34-13 W.	07/24/89	0
PONCA CREEK, TRIB TO NEAR ANOKA	NW1/4NW1/4 SEC. 17-34-12 W.	07/24/89	0
DIZZY CREEK AT ANOKA	SE1/4NE1/4 SEC. 9-34-13 W.	07/24/89	0
SPRING CREEK NEAR BUTTE	NW1/4NE1/4 SEC. 25-34-13 W.	07/24/89	0
HOOSIER CREEK NEAR BUTTE	SE1/4NE1/4 SEC. 30-34-12 W.	07/24/89	0.02
BEAVER CREEK NEAR SPENCER	NW1/4NE1/4 SEC. 1-33-12 W.	07/24/89	0
CROOKED CREEK NEAR SPENCER	NE1/4NE1/4 SEC. 12-33-12 W.	07/24/89	0
PONCA CREEK AT BRISTOW	NE1/4NE1/4 SEC. 15-33-11 W.	07/24/89	2.4
WHISKEY CREEK NEAR LYNCH	NW1/4SW1/4 SEC. 14-33-10 W.	07/24/89	0

## NIOBRARA RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER NIOBRARA RIVER</u>			
NIOBRARA RIVER SOUTH OF HARRISON	SW1/4NE1/4 SEC. 9-29-56 W.	06/21/89	3.2
COTTONWOOD CREEK AT DUNLAP	NE1/4NE1/4 SEC. 27-29-48 W.	06/22/89	0
NIOBRARA RIVER BELOW MIRAGE FLATS DIV.	SE1/4NW1/4 SEC. 26-29-48 W.	06/15/89	1.8
BOX BUTTE CREEK NEAR DUNLAP	NW1/4NW1/4 SEC. 16-28-46 W.	06/06/89	0
BOX BUTTE CREEK ABOVE JAGGERS DAM	SE1/4SE1/4 SEC. 30-28-46 W.	06/08/89	0
BOX BUTTE CREEK BELOW JAGGERS DAM	SE1/4NE1/4 SEC. 17-28-46 W.	06/08/89	0.20
PINE CREEK NEAR RUSHVILLE	SW1/4SW1/4 SEC. 27-30-44 W.	06/20/89	14
RUSH CREEK NEAR RUSHVILLE	SE1/4SE1/4 SEC. 10-31-44 W.	06/20/89	0
ANTELOPE CREEK SOUTHWEST OF GORDON	SE1/4SE1/4 SEC. 21-32-40 W.	05/16/89	0.75
LEANDER CREEK NEAR MERRIMAN	NW1/4SW1/4 SEC. 33-34-37 W.	07/26/89	0
BEAR CREEK AT MERRIMAN	NE1/4SW1/4 SEC. 8-34-37 W.	07/26/89	3.1
DRY CREEK AT MERRIMAN	NW1/4SE1/4 SEC. 16-34-37 W.	07/26/89	0
BEAR CREEK NEAR ELI	SW1/4NW1/4 SEC. 14-34-36 W.	07/26/89	3.7
MEDICINE CREEK NEAR BUSH LAKE	NW1/4SW1/4 SEC. 20-32-35 W.	07/27/89	0
McFARLAND CANYON NEAR KILGORE	NE1/4SE1/4 SEC. 33-33-31 W.	07/26/89	0.21
STEER CREEK NEAR MENZEL	SW1/4NW1/4 SEC. 3-31-32 W.	07/27/89	0
<u>SNAKE RIVER</u>			
SNAKE RIVER NEAR GORDON	NW1/4NW1/4 SEC. 21-30-40 W.	07/26/89	0.14
SNAKE RIVER NEAR MERRIMAN	SE1/4SW1/4 SEC. 18-30-37 W.	07/26/89	49
CLIFFORD CREEK NEAR MERRIMAN	NW1/4SE1/4 SEC. 7-29-37 W.	07/26/89	0.89
WILLOW CREEK NEAR MERRIMAN	NE1/4SW1/4 SEC. 6-29-37 W.	07/26/89	0.25
BOARDMAN CREEK AT MERRITT RESERVOIR	NE1/4NE1/4 SEC. 14-30-31 W.	07/27/89	3.4

N I O B R A R A   R I V E R   B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>SNAKE RIVER</u>			
STEEB CREEK, TRIB. TO NEAR MENZEL	NE1/4SW1/4 SEC. 33-32-32 W.	07/27/89	0
<u>MIDDLE REACH OF THE NIOBRARA RIVER</u>			
GORDON CREEK NEAR MERRIMAN	SW1/4SW1/4 SEC. 30-29-37 W.	07/26/89	1.6
SAND CREEK NEAR MERRIMAN	NW1/4SW1/4 SEC. 19-29-37 W.	07/26/89	0.17
ARKANSAS FLATS NEAR MERRIMAN	NE1/4SW1/4 SEC. 18-29-37 W.	07/26/89	0
GORDON CREEK NEAR DOUGHBOY	SW1/4NE1/4 SEC. 9-29-34 W.	07/27/89	9.1
BETSY CARVER CREEK NEAR DOUGHBOY	SE1/4SW1/4 SEC. 10-29-34 W.	07/27/89	0
GORDON CREEK NEAR VALENTINE	NE1/4SW1/4 SEC. 30-33-28 W.	07/27/89	8.1
MINNECHADUZA CREEK NEAR KILGORE	SE1/4SE1/4 SEC. 24-35-31 W.	07/26/89	0.07
MINNECHADUZA CREEK, TRIB. TO NEAR KILGORE	NW1/4NE1/4 SEC. 30-35-30 W.	07/26/89	0
BULL CREEK NEAR CROOKSTON	SE1/4SW1/4 SEC. 27-35-30 W.	07/26/89	0
MINNECHADUZA CREEK, TRIB. TO NEAR CROOKSTON	NW1/4NW1/4 SEC. 18-34-28 W.	07/26/89	0
SPRING CREEK NEAR VALENTINE	SE1/4SE1/4 SEC. 20-34-27 W.	07/26/89	0.50
LONG PINE CREEK NEAR LONG PINE	SW1/4NW1/4 SEC. 20-29-20 W.	07/25/89	12
BONE CREEK AT AINSWORTH	NW1/4SW1/4 SEC. 23-30-22 W.	07/25/89	3.1
BONE CREEK NEAR LONG PINE	SW1/4SW1/4 SEC. 34-31-21 W.	07/25/89	20
SAND DRAW CREEK NEAR AINSWORTH	NE1/4NE1/4 SEC. 6-30-22 W.	07/25/89	8.6
SAND DRAW NEAR AINSWORTH	NW1/4NW1/4 SEC. 29-31-21 W.	07/25/89	12
WILLOW CREEK NEAR NEWPORT	NW1/4SW1/4 SEC. 6-32-17 W.	07/25/89	1.1
ASH CREEK NEAR NEWPORT	NW1/4NE1/4 SEC. 34-32-17 W.	07/25/89	6.1
<u>KEYA PAHA RIVER</u>			
BURTON CREEK NEAR SPRINGVIEW	NE1/4NW1/4 SEC. 14-33-20 W.	07/25/89	0.01
<u>LOWER NIOBRARA RIVER</u>			
BIG SANDY CREEK, TRIB. TO NEAR ATKINSON	NE1/4NW1/4 SEC. 26-31-15 W.	07/26/89	0.92

## NIOBRARA RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge C.f.s.</u>
<u>LOWER NIOBRARA RIVER</u>			
BIG SANDY CREEK NEAR ATKINSON	NE1/4NE1/4 SEC. 26-31-15 W.	07/26/89	0
BIG SANDY CREEK NEAR STUART	NE1/4NE1/4 SEC. 10-31-15 W.	07/26/89	5.6
SPRING CREEK NEAR STUART	NW1/4NE1/4 SEC. 4-31-15 W.	07/26/89	1.3
BIG SANDY CREEK NEAR DUSTIN	NW1/4SE1/4 SEC. 3-32-15 W.	07/26/89	5.4
BIG SANDY CREEK NEAR DUSTIN	NW1/4SW1/4 SEC. 21-33-14 W.	07/26/89	5.5
BIG SANDY CREEK NEAR DUSTIN	SW1/4NE1/4 SEC. 12-33-14 W.	07/26/89	16
LITTLE SANDY CREEK NEAR CATALPA	NE1/4NE1/4 SEC. 18-33-13 W.	07/26/89	2.1
BRUSH CREEK NEAR ATKINSON	NE1/4NW1/4 SEC. 1-31-14 W.	07/26/89	1.6
BRUSH CREEK, WEST FORK NEAR ATKINSON	NE1/4NE1/4 SEC. 4-31-14 W.	07/26/89	0.17
BRUSH CREEK, EAST FORK NEAR ATKINSON	SW1/4NW1/4 SEC. 30-32-13 W.	07/26/89	0.25
BRUSH CREEK NEAR CATALPA	SW1/4NW1/4 SEC. 4-32-13 W.	07/26/89	3.4
SPRING BRANCH CREEK NEAR CATALPA	NW1/4NE1/4 SEC. 15-32-13 W.	07/26/89	0.11
TURKEY CREEK NEAR CATALPA	NW1/4SW1/4 SEC. 28-33-12 W.	07/26/89	1.9
NIOBRARA RIVER, TRIB TO NEAR SPENCER DAM	NW1/4NE1/4 SEC. 35-33-12 W.	07/26/89	0.65
EAGLE CREEK, MID BRANCH NEAR ATKINSON	NE1/4NE1/4 SEC. 9-30-13 W.	07/26/89	6.3
EAGLE CREEK, NO. BRANCH NEAR ATKINSON	NE1/4NE1/4 SEC. 25-31-13 W.	07/26/89	1.5
EAGLE CREEK, MIDDLE BRANCH NEAR EMMET	SW1/4NW1/4 SEC. 30-31-12 W.	07/26/89	8.4
EAGLE CREEK, EAST BRANCH NEAR EMMETT	NW1/4NE1/4 SEC. 31-31-12 W.	07/26/89	6.5
EAGLE CREEK NEAR MIDWAY	SW1/4NW1/4 SEC. 4-31-12 W.	07/26/89	20
HONEY CREEK NEAR MIDWAY	SE1/4SW1/4 SEC. 26-31-12 W.	07/26/89	0.01
CAMP CREEK NEAR MIDWAY	NE1/4NE1/4 SEC. 5-31-11 W.	07/24/89	0

N I O B R A R A R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LOWER NIOBRARA RIVER</u>			
REDBIRD CREEK NEAR O'NEILL	SE1/4SW1/4 SEC. 23-30-11 W.	07/25/89	1.8
REDBIRD CREEK, TRIB. TO NEAR O'NEILL	SW1/4SE1/4 SEC. 23-30-11 W.	07/25/89	0.71
REDBIRD CREEK NEAR OPPORTUNITY	NW1/4NE1/4 SEC. 12-31-11 W.	07/24/89	11
BLACKBIRD CREEK NEAR O'NEILL	SW1/4NW1/4 SEC. 32-31-11 W.	07/24/89	1.0
BLACKBIRD CREEK NEAR MIDWAY	SW1/4NW1/4 SEC. 14-31-11 W.	07/24/89	1.5
SPRING CREEK NEAR SCOTTVILLE	NW1/4NW1/4 SEC. 7-31-10 W.	07/24/89	0.90
LOUSE CREEK NEAR SCOTTVILLE	SE1/4SW1/4 SEC. 36-32-10 W.	07/24/89	5.2
LOUSE CREEK NEAR REDBIRD	NE1/4NW1/4 SEC. 12-32-10 W.	07/24/89	3.9
SAND CREEK NEAR REDBIRD	SE1/4SW1/4 SEC. 6-32-9 W.	07/24/89	1.2
SQUAW CREEK NEAR FISHELVILLE	SW1/4SW1/4 SEC. 7-32-8 W.	07/25/89	3.0
STEEL CREEK NEAR FISHELVILLE	SE1/4NE1/4 SEC. 18-32-8 W.	07/25/89	10
PISHEL CREEK NEAR FISHELVILLE	NE1/4NE1/4 SEC. 26-32-8 W.	07/25/89	0
NIOBRARA RIVER, TRIB. TO NEAR FISHELVILLE	SE1/4NE1/4 SEC. 4-31-7 W.	07/25/89	0.86
SCHINDLER CREEK NEAR VERDIGRE	SE1/4NW1/4 SEC. 11-31-7 W.	07/25/89	2.4
VERDIGRE CREEK, SO. BRANCH NEAR ORCHARD	NW1/4SE1/4 SEC. 9-28-8 W.	07/25/89	2.8
BIG SPRING CREEK NEAR ORCHARD	NE1/4NE1/4 SEC. 22-28-8 W.	07/25/89	6.2
VERDIGRE CREEK, EAST BRANCH NEAR ROYAL	NE1/4NW1/4 SEC. 4-28-7 W.	07/25/89	22
VERDIGRE CREEK, MID. BRANCH NEAR VENUS	NE1/4NE1/4 SEC. 13-29-9 W.	07/25/89	7.8
VERDIGRE CREEK, MID. BRANCH NEAR VENUS	NE1/4NE1/4 SEC. 18-29-8 W.	07/25/89	0.37
VERDIGRE CREEK, MID. BRANCH NEAR VERDIGRE	NW1/4SW1/4 SEC. 28-30-7 W.	07/25/89	11
VERDIGRE CREEK, NO. BRANCH NEAR STAR	NE1/4SE1/4 SEC. 15-30-9 W.	07/25/89	8.8



## N I O B R A R A   R I V E R   B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER NIOBRARA RIVER</u>			
VERDIGRE CREEK NEAR NIOBRARA	NW1/4NW1/4 SEC. 5-31-6 W.	07/25/89	70
BINGHAM CREEK NEAR NIOBRARA	NW1/4SW1/4 SEC. 32-32-6 W.	07/25/89	0.27
BURGESS CREEK NEAR NIOBRARA	NW1/4NW1/4 SEC. 20-32-6 W.	07/25/89	0

MISSOURI RIVER TRIBUTARIES  
( N I O B R A R A T O T H E P L A T T E )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>BEAVER CREEK</u>			
BEAVER CREEK NEAR ATEN	SE1/4SE1/4 SEC. 21-33-1 W.	11/06/89	0.75
<u>ANTELOPE CREEK</u>			
ANTELOPE CREEK NEAR MENOMINEE	SE1/4SW1/4 SEC. 24-33-1 W.	11/06/89	1.0
<u>BOW CREEK</u>			
BOW CREEK NEAR HARTINGTON	NE1/4NE1/4 SEC. 21-30-1 W.	05/09/89	0
BOW CREEK NEAR HARTINGTON	NW1/4NW1/4 SEC. 14-30-1 W.	05/09/89	0
BOW CREEK NEAR HARTINGTON	NE1/4NW1/4 SEC. 14-30-1 W.	05/09/89	0.22
BOW CREEK NEAR HARTINGTON	NE1/4NE1/4 SEC. 18-30-1 E.	05/09/89	2.9
BOW CREEK NEAR HARTINGTON	SW1/4NW1/4 SEC. 12-30-1 E.	05/09/89	5.5
PEARL CREEK, TRIBUTARY TO NEAR COLERIDGE	NW1/4NE1/4 SEC. 12-29-1 W.	05/09/89	0
PEARL CREEK, TRIBUTARY TO NEAR COLERIDGE	NE1/4SE1/4 SEC. 2-29-1 W.	05/09/89	0
PEARL CREEK NEAR COLERIDGE	NE1/4SE1/4 SEC. 1-29-1 W.	05/09/89	0
PEARL CREEK NEAR COLERIDGE	NE1/4NW1/4 SEC. 3-29-1 E.	05/09/89	2.1
PEARL CREEK, TRIBUTARY TO NEAR COLERIDGE	NE1/4SE1/4 SEC. 9-29-1 E.	05/09/89	0
PEARL CREEK, TRIBUTARY TO NEAR COLERIDGE	SE1/4SW1/4 SEC. 3-29-1 E.	05/09/89	0.92
PEARL CREEK, TRIBUTARY TO NEAR COLERIDGE	NE1/4NE1/4 SEC. 3-29-1 E.	05/09/89	2.3
PEARL CREEK NEAR HARTINGTON	SW1/4NW1/4 SEC. 24-30-1 E.	05/09/89	6.7
KERLOO CREEK AT COLERIDGE	NE1/4SE1/4 SEC. 5-29-2 E.	05/08/89	0
KERLOO CREEK NEAR COLERIDGE	NW1/4NW1/4 SEC. 4-29-2 E.	05/09/89	0.11
PEARL CREEK NEAR HARTINGTON	SE1/4SW1/4 SEC. 12-30-1 E.	05/09/89	9.4
NORWEGIAN BOW CREEK NEAR HARTINGTON	NE1/4NE1/4 SEC. 4-30-1 W.	05/10/89	0
NORWEGIAN BOW CREEK, NORTH BRANCH NEAR WAUSA	SE1/4NE1/4 SEC. 34-31-2 W.	05/10/89	0

**MISSOURI RIVER TRIBUTARIES  
( N I O B R A R A T O T H E P L A T T E )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<b><u>BOW CREEK</u></b>			
NORWEGIAN BOW CREEK, NORTH BRANCH NEAR FORDYCE	NE1/4SE1/4 SEC. 28-31-1 W.	05/10/89	0.06
NORWEGIAN BOW CREEK NEAR HARTINGTON	SE1/4NE1/4 SEC. 19-31-1 E.	05/10/89	2.7
BOW CREEK AT HARTINGTON	NW1/4SW1/4 SEC. 31-31-2 E.	05/09/89	17
NORWEGIAN BOW CREEK, TRIBUTARY TO NEAR HARTINGTON	SE1/4NE1/4 SEC. 31-31-1 E.	05/09/89	0
NORWEGIAN BOW CREEK, TRIBUTARY TO NEAR HARTINGTON	SW1/4NW1/4 SEC. 35-31-1 E.	05/09/89	0.41
NORWEGIAN BOW CREEK AT HARTINGTON	NW1/4NW1/4 SEC. 31-31-2 E.	05/09/89	6.5
DEAD CREEK NEAR HARTINGTON	NE1/4NE1/4 SEC. 32-31-2 E.	05/08/89	0
BOW CREEK, TRIBUTARY TO, NEAR HARTINGTON	NW1/4NW1/4 SEC. 33-31-2 E.	05/09/89	1.4
BOW CREEK NEAR HARTINGTON	SE1/4SW1/4 SEC. 22-31-2 E.	05/09/89	25
BOW CREEK NEAR HARTINGTON	SE1/4NW1/4 SEC. 12-31-2 E.	05/09/89	26
EAST BOW CREEK NEAR LAUREL	NW1/4NE1/4 SEC. 12-29-3 E.	05/08/89	0
EAST BOW CREEK, TRIBUTARY TO NEAR LAUREL	NE1/4NE1/4 SEC. 1-29-3 E.	05/08/89	0
EAST BOW CREEK NEAR LAUREL	SE1/4SW1/4 SEC. 36-30-3 E.	05/08/89	0.20
EAST BOW CREEK NEAR LAUREL	SW1/4NW1/4 SEC. 14-30-3 E.	05/08/89	1.2
EAST BOW CREEK, TRIBUTARY TO NEAR HARTINGTON	SE1/4NE1/4 SEC. 36-31-3 E.	05/08/89	0
EAST BOW CREEK, TRIBUTARY TO NEAR HARTINGTON	NW1/4NW1/4 SEC. 1-30-3 E.	05/08/89	0.02
EAST BOW CREEK, TRIBUTARY TO NEAR HARTINGTON	NE1/4NE1/4 SEC. 15-30-3 E.	05/08/89	0.53
EAST BOW CREEK, TRIBUTARY TO NEAR HARTINGTON	NE1/4NW1/4 SEC. 21-30-3 E.	05/08/89	0
EAST BOW CREEK, TRIBUTARY TO NEAR HARTINGTON	NE1/4NW1/4 SEC. 16-30-3 E.	05/08/89	0
EAST BOW CREEK, TRIBUTARY TO NEAR HARTINGTON	NW1/4NE1/4 SEC. 16-30-3 E.	05/08/89	0.26
EAST BOW CREEK NEAR HARTINGTON	NW1/4NE1/4 SEC. 5-30-3 E.	05/08/89	3.3

**MISSOURI RIVER TRIBUTARIES  
( N I O B R A R A T O T H E P L A T T E )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<b><u>BOW CREEK</u></b>			
EAST BOW CREEK, TRIBUTARY TO NEAR HARTINGTON	NE1/4SE1/4 SEC. 12-30-2 E.	05/08/89	0
EAST BOW CREEK, TRIBUTARY TO NEAR HARTINGTON	SW1/4SW1/4 SEC. 6-30-3 E.	05/08/89	0.22
EAST BOW CREEK, TRIBUTARY TO, NEAR HARTINGTON	NE1/4NW1/4 SEC. 5-30-3 E.	05/08/89	1.5
EAST BOW CREEK NEAR HARTINGTON	SW1/4SE1/4 SEC. 19-31-3 E.	05/08/89	8.9
EAST BOW CREEK NEAR ST. JAMES	SW1/4NE1/4 SEC. 12-31-2 E.	05/08/89	13
BOW CREEK NEAR ST. JAMES	SE1/4SW1/4 SEC. 24-32-2 E.	05/10/89	41
WEST BOW CREEK NEAR CROFTON	NE1/4NW1/4 SEC. 33-31-2 W.	05/10/89	0
WEST BOW CREEK NEAR CROFTON	SE1/4SW1/4 SEC. 10-31-2 W.	05/10/89	0.25
WEST BOW CREEK, TRIBUTARY TO NEAR CROFTON	NE1/4SE1/4 SEC. 9-31-2 W.	05/10/89	0
WEST BOW CREEK, TRIBUTARY TO NEAR CROFTON	NW1/4SW1/4 SEC. 10-31-2 W.	05/10/89	0.54
WEST BOW CREEK NEAR CROFTON	NW1/4SW1/4 SEC. 11-31-2 W.	05/10/89	1.6
WEST BOW CREEK NEAR CONSTANCE	NE1/4NW1/4 SEC. 3-31-1 W.	05/10/89 11/06/89	4.1 2.7
WEST BOW CREEK AT FORDYCE	NE1/4SE1/4 SEC. 36-32-1 W.	05/10/89	5.6
WEST BOW CREEK, TRIBUTARY TO NEAR FORDYCE	NE1/4NW1/4 SEC. 4-31-1 E.	08/11/89	0.04
WEST BOW CREEK NEAR BOW VALLEY	NE1/4SE1/4 SEC. 35-32-1 E.	05/10/89	8.1
WEST BOW CREEK NEAR BOW VALLEY	SW1/4SE1/4 SEC. 20-32-2 E.	05/10/89	9.6
WEST BOW CREEK NEAR WYNOT	NE1/4NE1/4 SEC. 16-32-2 E.	05/10/89	9.4
SECOND BOW CREEK NEAR FORDYCE	NE1/4NE1/4 SEC. 17-32-1 E.	05/10/89	0
SECOND BOW CREEK NEAR BOW VALLEY	SW1/4SE1/4 SEC. 11-32-1 E.	05/10/89	0
SECOND BOW CREEK NEAR ST. HELENA	NW1/4SW1/4 SEC. 7-32-2 E.	05/10/89	0.15
SECOND BOW CREEK, TRIBUTARY TO NEAR MENOMINEE	SE1/4NW1/4 SEC. 33-33-1 E.	05/10/89	0

**MISSOURI RIVER TRIBUTARIES  
( N I O B R A R A T O T H E P L A T T E )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>BOW CREEK</u>			
SECOND BOW CREEK, TRIBUTARY TO NEAR ST. HELENA	SW1/4SW1/4 SEC. 36-33-1 E.	05/10/89	0.17
SECOND BOW CREEK, TRIBUTARY TO NEAR ST. HELENA	SW1/4SE1/4 SEC. 6-32-2 E.	05/10/89	0.59
<u>LIME CREEK</u>			
LIME CREEK NEAR MASKELL	SW1/4NE1/4 SEC. 32-32-4 E.	11/06/89	4.8
<u>DEER CREEK</u>			
DEER CREEK NEAR MASKELL	SW1/4SW1/4 SEC. 27-32-4 E.	11/06/89	0.16
<u>WALNUT CREEK</u>			
WALNUT CREEK NEAR MASKELL	NE1/4NE1/4 SEC. 34-32-4 E.	11/06/89	0.44
<u>TURKEY CREEK</u>			
TURKEY CREEK NEAR MASKELL	NE1/4NE1/4 SEC. 1-31-4 E.	11/06/89	0.72
<u>BLACKBIRD CREEK</u>			
SOUTH BLACKBIRD CREEK NEAR LYONS	SW1/4SE1/4 SEC. 34-24-9 E.	10/25/89	1.2
<u>WOOD CREEK</u>			
WOOD CREEK NEAR DECATUR	SW1/4SE1/4 SEC. 26-24-10 E.	10/25/89	0.15
<u>ELM CREEK</u>			
LONE TREE CREEK NEAR DECATUR	NE1/4NE1/4 SEC. 11-23-10 E.	10/25/89	0
ELM CREEK NEAR DECATUR	SW1/4NW1/4 SEC. 1-23-10 E.	10/25/89	2.4
<u>TEKAMAH CREEK</u>			
SILVER CREEK NEAR TEKAMAH	SE1/4NE1/4 SEC. 1-21-10 E.	10/24/89	0
TEKAMAH CREEK NEAR TEKAMAH	SE1/4SW1/4 SEC. 22-21-10 E.	10/24/89	0.37
TEKAMAH CREEK AT TEKAMAH	NW1/4SE1/4 SEC. 19-21-11 E.	10/24/89	1.4
TEKAMAH CREEK NEAR TEKAMAH AIRPORT	SW1/4NE1/4 SEC. 23-21-11 E.	10/24/89	1.6
<u>COMBINATION DITCH</u>			
COMBINATION DITCH NEAR DECATUR	SW1/4SE1/4 SEC. 6-22-11 E.	10/24/89	0

**MISSOURI RIVER TRIBUTARIES  
( N I O B R A R A T O T H E P L A T T E )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>COMBINATION DITCH</u>			
MUD CREEK NEAR TEKAMAH	NW1/4SE1/4 SEC. 18-21-11 E.	10/24/89	0.04
COMBINATION DITCH NEAR HERMAN	NW1/4SW1/4 SEC. 12-20-11 E.	10/24/89	0
<u>NEW YORK CREEK</u>			
NEW YORK CREEK NEAR HERMAN	SE1/4NW1/4 SEC. 32-20-11 E.	12/01/89	1.9
HILL CREEK NEAR HERMAN	SE1/4NE1/4 SEC. 25-20-10 E.	12/01/89	0.61
DAVIS CREEK NEAR HERMAN	SE1/4NW1/4 SEC. 24-20-10 E.	10/24/89	0.15
CARR CREEK NEAR HERMAN	NW1/4SW1/4 SEC. 19-20-11 E.	10/24/89	0.71
<u>STUART CREEK</u>			
CAMRON (PETERSON) DITCH NEAR TEKAMAH	NW1/4NW1/4 SEC. 29-21-11 E.	10/24/89	0
SOUTH CREEK NEAR BLAIR	NW1/4NE1/4 SEC. 3-18-11 E.	12/01/89	0.42
COUBLE CREEK AT BLAIR	SE1/4SW1/4 SEC. 2-18-11 E.	12/01/89	0.18
STUART CREEK AT BLAIR	NW1/4NE1/4 SEC. 7-18-12 E.	12/05/89	1.9
<u>PAPILLION CREEK</u>			
BIG PAPILLION CREEK, TRIBUTARY TO NEAR KENNARD	SE1/4SW1/4 SEC. 5-17-11 E.	12/05/89	2.5
BIG PAPILLION CREEK NEAR KENNARD	NW1/4NW1/4 SEC. 16-17-11 E.	12/05/89	5.1
PAPILLION CREEK, TRIBUTARY TO, SOUTH BRANCH OF THE WEST BRANCH, NEAR PAPILLION	NW1/4NE1/4 SEC. 23-14-11 E.	09/28/89	0.14
PAPILLION CREEK, SOUTH BRANCH OF THE WEST BRANCH, NEAR PAPILLION	SE1/4SW1/4 SEC. 17-14-12 E.	09/28/89	2.4
WALNUT CREEK NEAR PAPILLION	SE1/4NE1/4 SEC. 28-14-12 E.	09/28/89	0.27
PAPILLION CREEK, WEST BRANCH, NEAR BELLEVUE	NE1/4NE1/4 SEC. 32-14-13 E.	09/28/89	15
BIG PAPILLION CREEK NEAR BELLEVUE	NW1/4NE1/4 SEC. 14-13-13 E.	09/28/89	42

## NORTH PLATTE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>STATE LINE TO PUMPKIN CREEK</u>			
LANE DRAIN	SW1/4SE1/4 SEC. 30-23-57 W.	01/04/89	2.2
		02/10/89	1.6
		03/08/89	2.6
		04/05/89	2.1
		04/25/89	1.7
		05/10/89	1.4
		05/24/89	2.3
		06/07/89	1.6
		06/21/89	1.8
		07/05/89	1.7
		07/19/89	1.6
		08/02/89	2.1
		08/16/89	1.9
		08/30/89	1.8
09/13/89	2.5		
09/26/89	2.5		
10/10/89	2.7		
11/02/89	2.4		
12/01/89	1.8		
MORRILL DRAIN ABOVE ENTERPRISE CANAL	SEC. 13-23-57 W.	01/06/89	0.90
		02/10/89	0
		03/08/89	1.1
		04/05/89	0.33
		04/25/89	0.80
		05/03/89	3.9
		05/17/89	1.6
		05/31/89	2.0
		06/16/89	1.1
		06/26/89	1.2
		07/12/89	0.67
		07/26/89	0.79
		08/09/89	1.6
08/25/89	1.1		
09/08/89	2.5		
09/20/89	2.1		
10/10/89	1.8		
11/09/89	1.5		
12/05/89	1.1		
DRY SPOTTEDTAIL CREEK NEAR MITCHELL	NE1/4NE1/4 SEC. 28-24-56 W.	02/16/89	2.4
		03/10/89	2.5
		04/06/89	1.9
		05/03/89	1.4
		05/17/89	5.2
		05/31/89	7.3
		06/16/89	2.8
		06/28/89	5.8
		07/12/89	9.9
		07/26/89	9.4
		08/09/89	12
		08/25/89	12
		09/08/89	14
10/11/89	8.8		
11/09/89	2.2		
DRY SPOTTEDTAIL CREEK NEAR MITCHELL	SW1/4SE1/4 SEC. 28-24-56 W.	01/06/89	6.6
		02/16/89	5.8
		03/10/89	4.9
		04/06/89	4.1
		05/03/89	3.6
		05/17/89	10
		05/31/89	8.4
06/16/89	7.0		

NORTH PLATTE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>		
<u>STATE LINE TO PUMPKIN CREEK</u>					
DRY SPOTTEDTAIL CREEK NEAR MITCHELL	SW1/4SE1/4 SEC. 28-24-56 W.	06/28/89	8.0		
		07/12/89	11		
		07/26/89	12		
		08/09/89	16		
		08/25/89	16		
		09/08/89	16		
		10/11/89	9.7		
		11/09/89	5.4		
		BALD DRAIN	SW1/4NE1/4 SEC. 32-23-56 W.	01/04/89	0
				02/13/89	0
03/10/89	1.8				
04/06/89	1.2				
04/26/89	0.99				
05/10/89	28				
05/24/89	13				
06/07/89	14				
06/21/89	8.5				
07/05/89	7.6				
07/19/89	4.5				
08/02/89	16				
08/16/89	18				
08/30/89	26				
09/13/89	2.8				
10/11/89	2.3				
11/02/89	1.5				
12/01/89	0.79				
FANNING SERP	SEC. 28-23-56 W.	01/04/89	0		
		02/13/89	0		
		03/10/89	0		
		04/06/89	0		
		04/26/89	0		
		05/24/89	0		
		06/07/89	0		
		06/21/89	0		
		07/05/89	0		
		07/19/89	0		
		08/02/89	0		
		08/16/89	0		
		08/30/89	0		
		09/13/89	0		
10/11/89	0				
11/02/89	0				
12/01/89	0				
TOOHEY DRAIN NEAR MITCHELL	SEC. 20-23-56 W.	05/25/89	0.24		
SPOTTEDTAIL CREEK, WET	SEC. 6-22-55 W.	01/05/89	9.2		
		02/13/89	9.7		
		03/13/89	13		
		04/04/89	10		
		04/25/89	10		
		05/03/89	11		
		05/17/89	12		
		05/31/89	13		
		06/16/89	12		
		06/28/89	12		
		07/12/89	11		
		07/26/89	13		
		08/09/89	12		
		08/25/89	11		
09/08/89	15				



## NORTH PLATTE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>STATE LINE TO PUMPKIN CREEK</u>			
SPOTTEDTAIL CREEK, WET	SEC. 6-22-55 W.	09/20/89	12
		10/11/89	12
		11/09/89	13
		12/01/89	11
SCOTTSBLUFF DRAIN NO. 1	SEC. 25-22-55 W.	01/06/89	2.8
		01/31/89	4.0
		03/13/89	3.7
		04/04/89	2.7
		04/26/89	2.6
		05/04/89	3.4
		05/18/89	5.1
		06/01/89	3.4
		06/15/89	4.0
		06/29/89	8.5
		07/13/89	5.4
		07/26/89	3.9
		08/10/89	5.7
		08/24/89	6.7
09/08/89	6.2		
09/20/89	5.2		
10/11/89	5.7		
11/14/89	4.3		
12/01/89	4.1		
SCOTTSBLUFF DRAIN NO. 2	SEC. 4-22-54 W.	01/05/89	3.0
		02/15/89	4.2
		03/16/89	3.6
		04/11/89	3.2
		04/27/89	4.5
		05/11/89	3.1
		05/25/89	4.8
		06/08/89	7.3
		06/22/89	6.0
		07/06/89	8.3
		07/21/89	6.3
		08/04/89	6.2
		08/18/89	8.1
		09/01/89	6.6
09/15/89	8.2		
10/12/89	6.7		
11/14/89	4.2		
12/05/89	4.0		
MELBETA DRAIN	SEC. 13-21-54 W.	01/03/89	2.7
		02/15/89	2.5
		03/16/89	2.7
		04/11/89	2.1
		04/27/89	2.1
		10/12/89	2.3
		11/14/89	1.9
12/19/89	2.3		
FAIRFIELD SEEP	SEC. 18-21-53 W.	01/03/89	0
		02/15/89	0
		03/13/89	0.93
		04/06/89	0
		04/27/89	0
		05/15/89	1.0
		05/25/89	1.1
		06/08/89	0.87
		06/23/89	1.1
07/07/89	0.92		
07/21/89	2.1		

NORTH PLATTE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>STATE LINE TO PUMPKIN CREEK</u>			
FAIRFIELD SEEP	SEC. 18-21-53 W.	08/03/89	2.1
		08/17/89	2.5
		09/01/89	1.8
		09/15/89	1.8
		10/11/89	1.4
		11/14/89	0.67
		12/05/89	0.76
ALLIANCE DRAIN	SEC. 20-22-53 W.	04/27/89	7.8
		05/11/89	6.4
		05/25/89	9.2
		06/09/89	7.4
		06/23/89	3.4
		07/07/89	3.6
		07/20/89	2.4
		08/03/89	4.1
		08/18/89	3.7
		09/01/89	7.0
CLEVELAND DRAIN	SEC. 6-20-52 W.	01/03/89	0.74
		01/31/89	0.80
		03/10/89	1.3
		04/04/89	0.66
		04/27/89	0.43
		10/18/89	1.6
		11/14/89	0.87
		12/12/89	0.96
		CAMP CLARK SEEP	SEC. 9-20-51 W.
DeGRAW DRAIN	SEC. 24-20-51 W.	01/03/89	2.2
		02/10/89	1.7
		03/07/89	1.5
		04/12/89	2.0
		04/26/89	1.3
		05/12/89	0.47
		05/17/89	8.6
		05/31/89	4.5
		06/14/89	5.7
		06/28/89	15
		07/12/89	5.0
		07/26/89	0.99
		08/09/89	5.7
		08/23/89	3.3
		09/06/89	4.1
		09/20/89	11
10/18/89	4.0		
11/22/89	3.2		
12/20/89	0.70		
INDIAN CREEK	SEC. 19-20-50 W.	01/03/89	5.5
		02/10/89	4.5
		03/07/89	4.8
		04/12/89	3.9
		04/26/89	3.9
		10/18/89	7.0
		11/22/89	6.0
		12/20/89	5.2
DUGOUT CREEK, UPPER	SEC. 20-20-50 W.	01/03/89	5.0
		02/15/89	3.3
		03/07/89	3.4
		04/12/89	2.0

## NORTH PLATTE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>STATE LINE TO PUMPKIN CREEK</u>			
DUGOUT CREEK, UPPER	SEC. 20-20-50 W.	04/26/89	1.9
		10/18/89	6.1
		11/22/89	5.1
		12/20/89	4.3
SILVERNAIL DRAIN	SEC. 6-19-49 W.	01/03/89	4.5
		01/31/89	4.1
		02/28/89	3.8
		04/12/89	3.5
		10/18/89	6.5
		11/22/89	5.4
		12/20/89	5.3
<u>PUMPKIN CREEK</u>			
PUMPKIN CREEK AT GERING-KIMBALL HIGHWAY	SEC. 4-19-55 W.	05/10/89	1.3
PUMPKIN CREEK AT BANNER-MORRILL COUNTY LINE	SEC. 25-19-53 W.	05/10/89	8.7
GREENWOOD CREEK NEAR BRIDGEPORT	SW1/4SW1/4 SEC. 26-19-50 W.	01/06/89	1.8
		02/11/89	1.5
		03/14/89	3.3
		04/12/89	3.8
		05/17/89	3.4
		06/14/89	0.73
		06/28/89	0
		07/12/89	0.10
		07/19/89	0
		07/26/89	0
		09/06/89	0
10/18/89	0		
12/20/89	0		
PUMPKIN CREEK ABOVE HASS DAM	NW1/4SW1/4 SEC. 23-19-50 W.	06/29/89	3.9
		07/05/89	2.9
		07/19/89	2.6
PUMPKIN CREEK BELOW HASS DAM	NE1/4NE1/4 SEC. 23-19-50 W.	06/29/89	0.14
		07/05/89	0.37
		07/19/89	0
		08/09/89	0
<u>PUMPKIN CREEK TO KINGSLEY DAM</u>			
CEDAR CREEK NEAR BROADWATER	SE1/4NE1/4 SEC. 11-18-48 W.	01/04/89	10
		01/31/89	9.5
		02/28/89	9.4
		04/12/89	8.9
		04/25/89	8.3
		10/23/89	8.3
		11/22/89	7.6
		12/14/89	10
COLD WATER CREEK BELOW LISCO CANAL	NE1/4NE1/4 SEC. 34-18-46 W.	01/04/89	2.9
		02/15/89	2.7
		03/15/89	3.7
		04/10/89	3.7
		10/03/89	3.9
		11/22/89	0.72
		12/14/89	3.1

NORTH PLATTE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>PUMPKIN CREEK TO KINGSLEY DAM</u>			
RUSH CREEK NEAR LISCO	NE1/4NW1/4 SEC. 17-17-45 W.	01/04/89	1.3
		01/31/89	1.9
		02/28/89	3.6
		03/15/89	1.7
		04/14/89	0.98
		05/12/89	0.66
		06/13/89	0.38
		06/27/89	0.32
		07/11/89	0
		07/25/89	0
		08/08/89	0
		08/22/89	0
		09/19/89	0
LOST CREEK NORTH OF OSHKOSH	NE1/4SE1/4 SEC. 26-17-44 W.	01/04/89	0
		02/15/89	0
		03/15/89	0
		04/14/89	0
		08/31/89	0
CLEAR CREEK NEAR LEWELLEN	SE1/4SW1/4 SEC. 29-16-41 W.	01/06/89	8.5
		02/15/89	7.6
		03/15/89	8.1
		04/14/89	7.7
		05/12/89	8.0
		06/14/89	3.8
		06/29/89	4.8
		07/13/89	4.4
		08/24/89	6.1
		09/19/89	8.0
		10/26/89	8.4
		11/17/89	8.5
OTTER CREEK NEAR LEMOYNE	SW1/4NE1/4 SEC. 5-15-40 W.	01/06/89	20
		02/15/89	19
		03/15/89	20
		04/14/89	19
		05/12/89	19
		06/14/89	20
		07/13/89	19
		08/24/89	22
		09/19/89	19
		10/26/89	20
		11/17/89	21
		12/21/89	23
SAND CREEK NEAR LEMOYNE	SE1/4SW1/4 SEC. 3-15-40 W.	01/16/89	3.6
		02/15/89	4.2
		03/15/89	4.0
		04/14/89	3.8
		05/12/89	4.0
		06/14/89	3.8
		07/13/89	4.4
		08/16/89	3.1
		08/24/89	3.9
		09/19/89	3.7
		10/26/89	3.7
		11/17/89	3.6
12/21/89	3.6		

## NORTH PLATTE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>PUMPKIN CREEK TO KINGSLEY DAM</u>			
LONERGAN CREEK NEAR LEMOYNE	SEC. 17-15-39 W.	01/06/89	6.7
		02/15/89	6.1
		03/15/89	5.1
		04/14/89	5.0
		05/12/89	4.7
		06/14/89	5.7
		07/13/89	6.0
		08/24/89	6.4
		09/19/89	5.8
		10/26/89	6.2
		11/17/89	6.2
		12/21/89	6.7
<u>KINGSLEY DAM TO CONFLUENCE</u>			
KINGSLEY DAM TOE DRAIN NO. 1 STATION 100	NW1/4NW1/4 SEC. 34-15-38 W.	01/03/89	0.54
		01/31/89	0.86
		03/01/89	0.58
		04/03/89	0.71
		05/09/89	0.66
		06/14/89	0.98
		07/13/89	0.54
		08/24/89	0.14
		09/19/89	0.07
		10/26/89	0.02
		11/17/89	0.02
		12/21/89	0
KINGSLEY DAM TOE DRAIN NO. 2 STATION 80	SW1/4NW1/4 SEC. 34-15-38 W.	01/03/89	4.7
		01/31/89	4.6
		03/01/89	4.1
		04/03/89	4.4
		05/09/89	4.2
		06/14/89	4.4
		07/13/89	4.1
		08/24/89	3.3
		09/19/89	3.3
		10/26/89	3.3
		11/17/89	3.4
		12/21/89	3.8
KINGSLEY DAM TOE DRAIN NO. 3 STATION 70	NW1/4SW1/4 SEC. 34-15-38 W.	01/03/89	1.8
		01/31/89	1.7
		03/01/89	2.2
		04/03/89	1.4
		05/09/89	2.2
		06/14/89	2.6
		07/13/89	1.7
		08/24/89	1.4
		09/19/89	1.3
		10/26/89	1.2
		11/17/89	1.4
		12/21/89	1.3
KINGSLEY DAM TOE DRAIN NO. 4 STATION 60	SW1/4SW1/4 SEC. 34-15-38 W.	01/03/89	0.48
		01/31/89	0.76
		03/01/89	0.79
		04/03/89	0.67
		05/09/89	0.59
		06/14/89	0.57
		07/13/89	0.56
		08/24/89	0.40
		09/19/89	0.45
		10/26/89	0.52

N O R T H   P L A T T E   R I V E R   B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<b><u>KINGSLEY DAM TO CONFLUENCE</u></b>			
KINGSLEY DAM TOE DRAIN NO. 4 STATION 60	SW1/4SW1/4 SEC. 34-15-38 W.	11/17/89	0.49
		12/21/89	0.61
SUTHERLAND POND DRAIN AT KEYSTONE	NW1/4SW1/4 SEC. 1-14-38 W.	04/26/89	5.6
		05/09/89	6.2
		05/23/89	4.5
		06/06/89	4.9
		06/26/89	3.6
		07/13/89	5.3
		07/27/89	4.7
		08/16/89	6.0
		08/29/89	2.9
		09/05/89	5.0
		09/19/89	2.4
		10/02/89	4.1
WHITE TAIL CREEK ABOVE FISH FARM	SEC. 35-16-38 W.	08/28/89	14
WHITE TAIL CREEK NEAR KEYSTONE	SE1/4SE1/4 SEC. 36-15-38 W.	04/26/89	25
		05/09/89	24
		05/23/89	26
		06/06/89	24
		06/20/89	25
		07/06/89	23
		07/18/89	25
		08/02/89	28
		08/26/89	23
		08/29/89	27
		09/11/89	26
		09/28/89	27
		12/28/89	29
SPRING CREEK NEAR KEYSTONE	SEC. 30-15-37 W.	08/28/89	2.0
SKUNK CREEK NEAR KEYSTONE	SE1/4SE1/4 SEC. 1-14-37 W.	04/26/89	2.3
		05/09/89	2.1
		05/23/89	2.8
		06/06/89	0.19
		06/20/89	0.39
		07/06/89	2.1
		07/18/89	0.83
		08/02/89	2.7
		08/16/89	0.14
		08/29/89	0.53
		09/11/89	2.8
09/28/89	2.4		
GRAVEL CREEK	NW1/4SW1/4 SEC. 9-14-36 W.	04/26/89	2.6
		05/09/89	2.5
		05/23/89	2.8
		06/06/89	2.6
		06/20/89	2.8
		07/06/89	3.1
		07/18/89	3.6
		08/02/89	3.0
		08/29/89	2.8
		09/11/89	2.6
		09/28/89	2.5
SARBEN SLOUGH NEAR SARBEN	SEC. 20-14-35 W.	04/26/89	6.2
		05/09/89	6.4
		05/23/89	6.3

## NORTH PLATTE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>KINGSLEY DAM TO CONFLUENCE</u>			
SARBEN SLOUGH NEAR SARBEN	SEC. 20-14-35 W.	06/06/89	5.6
		06/20/89	5.6
		07/06/89	5.8
		07/18/89	5.4
		08/02/89	6.9
		08/17/89	6.0
		08/30/89	6.7
		09/11/89	6.2
		09/28/89	6.3
CEDAR BRANCH CREEK NEAR NEVINS	NE1/4SW1/4 SEC. 17-14-35 W.	04/26/89	1.8
		05/09/89	1.5
		05/23/89	1.4
		06/06/89	1.5
		06/20/89	1.7
		07/06/89	2.1
		07/18/89	2.0
		08/02/89	2.5
		08/17/89	1.8
		08/30/89	1.6
KEITH-LINCOLN COUNTY DRAIN NO. 2 NEAR SARBEN	SEC. 24-14-35 W.	04/26/89	0
		05/25/89	0
		06/06/89	0
		06/20/89	0
		07/06/89	0.56
		07/18/89	1.3
		08/02/89	1.3
		08/16/89	2.0
		08/30/89	0.73
		09/13/89	0.18
09/28/89	0		
MEADOW CREEK NEAR SUTHERLAND	SEC. 7-14-33 W.	08/25/89	0.39
LINCOLN COUNTY DRAIN NO. 2 NEAR SUTHERLAND	SEC. 11-14-33 W.	04/26/89	0.86
		05/09/89	0.97
		05/26/89	1.3
		06/06/89	1.9
		06/20/89	1.1
		07/06/89	1.7
		07/18/89	2.5
		08/17/89	5.5
		09/01/89	3.0
		09/15/89	3.2
09/29/89	1.9		

S O U T H P L A T T E R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LODGEPOLE CREEK</u>			
LODGEPOLE CREEK AT WYO-NEBR STATE LINE	SE1/4NE1/4 SEC. 11-14-59 W.	05/02/89	0.74
LODGEPOLE CREEK ABOVE OLIVER RESERVOIR	SE1/4NE1/4 SEC. 33-15-57 W.	07/14/89	2.4
LODGEPOLE CREEK NEAR FERGUSON PUMP	SE1/4NW1/4 SEC. 34-15-56 W.	07/14/89	2.0
LODGEPOLE CREEK NEAR KIMBALL	NW1/4NW1/4 SEC. 29-15-55 W.	05/02/89 06/09/89 07/14/89	5.4 100 0.86
LODGEPOLE CREEK NEAR DIX	SW1/4NW1/4 SEC. 26-15-54 W.	05/03/89	0.95
LODGEPOLE CREEK NEAR POTTER	NE1/4NE1/4 SEC. 12-14-52 W.	05/03/89	3.6
LODGEPOLE CREEK BELOW SUTTON PUMP	SE1/4SE1/4 SEC. 10-14-51 W.	05/03/89	3.5
LODGEPOLE CREEK SOUTH OF BROWNSON	SEC. 19-14-50 W.	05/03/89 06/09/89 06/26/89 09/18/89	4.1 1.6 2.0 1.4
LODGEPOLE CREEK AT SIDNEY CITY PARK	SEC. 6-13-49 W.	06/26/89	0
LODGEPOLE CREEK ABOVE LODGEPOLE	SEC. 36-14-47 W.	05/05/89	0.92
LODGEPOLE CREEK SOUTHEAST OF LODGEPOLE	SW1/4SW1/4 SEC. 32-14-46 W.	05/05/89	1.2
LODGEPOLE CREEK NEAR CHAPPELL	NE1/4SW1/4 SEC. 22-13-45 W.	05/05/89	2.9
LODGEPOLE CREEK NEAR CHAPPELL	SEC. 21-13-45 W.	04/18/89	3.4
LODGEPOLE CREEK AT CHAPPELL	NE1/4NE1/4 SEC. 21-13-45 W.	04/18/89	1.2
LODGEPOLE CREEK AT RALTON	NE1/4NW1/4 SEC. 12-12-45 W.	01/13/89 02/22/89 03/16/89 04/17/89 05/05/89 05/15/89 06/12/89 07/07/89 08/15/89 09/18/89 10/16/89 11/15/89 12/12/89	1.5 2.8 3.9 3.8 4.6 3.1 4.7 2.3 1.2 0.77 0.81 0.68 0.57
<u>SOUTH PLATTE, LODGEPOLE CREEK TO CONFLUENCE</u>			
FREMONT SLOUGH ON HIGHWAY 83	SEC. 16-13-30 W.	01/27/89 02/27/89 03/28/89	25 29 28



## SOUTH PLATTE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>SOUTH PLATTE, LODGEPOLE CREEK TO CONFLUENCE</u>			
FREMONT SLOUGH ON HIGHWAY 83	SEC. 16-13-30 W.	04/24/89	22
		10/11/89	18
		11/09/89	20
		12/11/89	20
		12/29/89	23
FREMONT SLOUGH	SEC. 17-13-29 W.	04/24/89	6.3
		05/11/89	6.9
		05/22/89	10
		06/05/89	5.9
		06/19/89	5.9
		07/07/89	8.1
		07/18/89	7.7
		08/02/89	7.2
		08/15/89	6.6
		08/30/89	10.0
		09/11/89	6.2
		09/29/89	5.4
		12/28/89	6.4

PLATTE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>PLATTE RIVER, CONFLUENCE TO WOOD RIVER</u>			
AIRPORT DRAIN	SEC. 7-13-29 W.	04/24/89	16
		05/11/89	15
		05/22/89	19
		06/05/89	16
		06/19/89	17
		07/07/89	24
		07/21/89	25
		08/02/89	33
		08/15/89	27
		08/29/89	27
		09/11/89	22
		09/29/89	19
		FLOCK DRAIN	SEC. 8-13-29 W.
05/11/89	6.0		
05/22/89	8.0		
06/05/89	5.2		
06/19/89	6.3		
07/07/89	8.3		
07/18/89	9.9		
08/02/89	8.9		
08/15/89	9.8		
08/30/89	9.5		
09/11/89	6.0		
09/29/89	5.4		
12/28/89	5.2		
WHITE HORSE CREEK	SEC. 5-13-29 W.	04/25/89	14
		05/11/89	12
		05/23/89	34
		06/05/89	11
		06/19/89	7.0
		07/07/89	8.9
		07/18/89	9.3
		08/02/89	8.7
		08/15/89	5.9
		08/29/89	9.8
		09/11/89	11
		09/29/89	8.7
		12/28/89	18
BULL DRAIN NEAR MAXWELL	SE1/4NW1/4 SEC. 20-13-28 W.	04/25/89	3.4
		05/11/89	3.0
		05/22/89	7.1
		06/05/89	3.1
		06/19/89	2.5
		07/07/89	3.0
		07/18/89	3.5
		08/02/89	2.5
		08/15/89	2.6
		08/29/89	2.7
		09/11/89	2.7
09/29/89	2.7		
PAWNEE CREEK NEAR BRADY	SE1/4NW1/4 SEC. 3-12-27 W.	04/21/89	9.1
		05/02/89	8.1
		05/15/89	9.9
		05/31/89	8.2
		06/12/89	7.6
		06/30/89	9.1
		07/11/89	5.7
		07/24/89	5.5
		08/09/89	6.5
08/23/89	4.4		

## P L A T T E R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>PLATTE RIVER, CONFLUENCE TO WOOD RIVER</u>			
PAWNEE CREEK NEAR BRADY	SE1/4NW1/4 SEC. 3-12-27 W.	09/06/89	4.0
		09/18/89	4.2
		09/29/89	5.7
SHELDON DRAIN NEAR GOTHENBURG	SE1/4NE1/4 SEC. 14-11-26 W.	04/21/89	6.2
		05/02/89	6.1
		05/16/89	6.4
		05/30/89	6.3
		06/13/89	6.7
		07/10/89	13
		07/24/89	11
		08/07/89	9.6
		08/21/89	11
09/06/89	9.6		
PLUM CREEK NEAR EUSTIS	NE1/4SW1/4 SEC. 20-8-23 W.	10/27/89	0
<u>PLATTE RIVER, WOOD RIVER TO LOUP RIVER</u>			
SILVER CREEK NEAR HAVENS	NW1/4SW1/4 SEC. 11-15-4 W.	07/13/89	0.06
PRAIRIE CREEK NEAR ARCHER	SW1/4SW1/4 SEC. 10-14-7 W.	07/13/89	0
PRAIRIE SLOUGH NEAR ARCHER	NE1/4NE1/4 SEC. 9-14-7 W.	07/13/89	0
PRAIRIE CREEK NEAR FULLERTON	NW1/4NW1/4 SEC. 31-15-6 W.	07/13/89	0.55
PRAIRIE CREEK NEAR SILVER CREEK	SW1/4SW1/4 SEC. 17-16-2 W.	07/13/89	0.18

P L A T T E   R I V E R   B A S I N  
( L O U P   R I V E R )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>MIDDLE LOUP RIVER TO CONFLUENCE WITH SOUTH LOUP RIVER</u>			
DEER CREEK NEAR BOELUS	SW1/4SW1/4 SEC. 16-13-12 W.	07/14/89 10/25/89	0.65 0.90
SOUTH LOUP RIVER			
WIGGLE CREEK NEAR CALLAWAY	SW1/4NE1/4 SEC. 3-15-23 W.	06/06/89	1.0
WIGGLE CREEK NEAR CALLAWAY	SW1/4NW1/4 SEC. 2-15-23 W.	06/28/89 07/11/89 07/28/89 08/08/89 08/22/89 09/06/89 09/19/89 10/04/89 10/17/89	0.33 0.05 0.03 0.02 0.02 0.02 0.02 0.02 0.03
CEDAR CREEK AT POOLE	NE1/4NE1/4 SEC. 35-12-15 W.	07/14/89	0.48
SOUTH LOUP RIVER AT RAVENNA	SW1/4NW1/4 SEC. 16-12-14 W.	07/14/89	102
<u>LOUP RIVER, SOUTH LOUP RIVER TO NORTH LOUP RIVER</u>			
OAK CREEK NEAR ASHTON	NE1/4SE1/4 SEC. 7-15-13 W.	10/13/89	7.0
OAK CREEK AT ASHTON	SW1/4SE1/4 SEC. 22-15-13 W.	07/14/89	12
OAK CREEK AT DANNEBROG	SE1/4SW1/4 SEC. 2-13-11 W.	07/14/89	40
TURKEY CREEK NEAR FARWELL	SE1/4SW1/4 SEC. 21-15-12 W	10/25/89	0.34
MOSQUITO CREEK NEAR ST. PAUL	SW1/4SE1/4 SEC. 17-14-10	10/30/89	0.95
<u>NORTH LOUP RIVER</u>			
TURTLE CREEK, NORTH BRANCH NEAR ELYRIA	NW1/4NE1/4 SEC. 34-20-15 W.	07/14/89	0
TURTLE CREEK, SOUTH BRANCH NO. 1 NEAR ELYRIA	SW1/4SW1/4 SEC. 9-19-15 W.	01/06/89 02/03/89 03/03/89 03/29/89 04/25/89 05/25/89 06/23/89 07/14/89 07/17/89 08/18/89 09/15/89 10/11/89 11/06/89 12/04/89	0 0 0 0 0 0 0 0 0 0 0 0 0 0
TURTLE CR. SO. BR., TRIB. TO NO. 2 NEAR ORD	SW1/4NW1/4 SEC. 8-19-15 W.	01/06/89 02/03/89 03/03/89	0 0 0

**P L A T T E   R I V E R   B A S I N**  
**( L O U P   R I V E R )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>NORTH LOUP RIVER</u>			
TURTLE CR. SO. BR., TRIB. TO NO. 2 NEAR ORD	SW1/4NW1/4 SEC. 8-19-15 W.	03/29/89	0
		04/25/89	0
		05/25/89	0
		06/23/89	0
		07/14/89	0
		07/17/89	0
		08/18/89	0
		09/15/89	0
		10/11/89	0
		11/06/89	0
		12/04/89	0
DANE CREEK AT ORD	NW1/4NW1/4 SEC. 20-19-14 W.	07/14/89	0.04
SPRING CREEK, TRIB. TO NEAR ORD	SW1/4SW1/4 SEC. 16-19-13 W.	09/08/89	0.11
MESSENGER CREEK NEAR ORD	SW1/4NW1/4 SEC. 25-19-13 W.	07/14/89	1.4
MIRA CREEK, NORTH BRANCH NEAR NORTH LOUP	NW1/4NW1/4 SEC. 28-18-13 W.	07/14/89	1.8
MIRA CREEK, SO. BRANCH NEAR NORTH LOUP	NW1/4SE1/4 SEC. 33-18-13 W.	07/14/89	0.10
FISH CREEK NEAR COTESFIELD	SE1/4SW1/4 SEC. 31-17-11 W.	07/14/89	4.1
MUNSON CREEK NEAR ELBA	SW1/4SE1/4 SEC. 28-16-11 W.	07/14/89	5.7
NORTH LOUP RIVER, TRIB. TO NEAR ELBA	NW1/4NE1/4 SEC. 24-15-11 W.	07/14/89	6.2
<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>			
SPRING CREEK NEAR WOLBACH	SE1/4NE1/4 SEC. 13-17-10 W.	09/27/89	0.21
SPRING CREEK AT CUSHING	NE1/4SW1/4 SEC. 5-15-9 W.	07/13/89	3.5
ELK CREEK NEAR PALMER	SE1/4NW1/4 SEC. 23-15-8 W.	07/13/89	0.79
HORSE CREEK NEAR FULLERTON	SE1/4SW1/4 SEC. 33-16-7 W.	07/13/89	0.63
<u>CEDAR RIVER</u>			
BIG CEDAR CREEK NEAR SWAN LAKE	NE1/4NE1/4 SEC. 8-24-15 W.	07/13/89	0
BIG CEDAR CREEK NEAR DUMAS	NE1/4NE1/4 SEC. 28-24-14 W.	07/13/89	0
LITTLE CEDAR CREEK NEAR SWAN LAKE	SE1/4NE1/4 SEC. 29-24-15 W.	07/13/89	0
CEDAR CREEK NEAR GABLES	SE1/4SE1/4 SEC. 32-23-13 W.	07/13/89	30

P L A T T E   R I V E R   B A S I N  
( L O U P   R I V E R )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>CEDAR RIVER</u>			
CEDAR CREEK AT ERICSON	SW1/4SW1/4 SEC. 15-21-12 W.	07/13/89	92
CEDAR RIVER NEAR ERICSON	SE1/4SE1/4 SEC. 25-21-12 W.	07/13/89	103
CEDAR RIVER AT PRIMROSE	NE1/4NE1/4 SEC. 17-19-8 W.	07/13/89	143
CEDAR RIVER AT CEDAR RAPIDS	SE1/4SE1/4 SEC. 5-18-7 W.	07/13/89	155
CEDAR RIVER AT BELGRADE	SE1/4NE1/4 SEC. 2-17-7 W.	07/13/89	138

**P L A T T E   R I V E R   B A S I N**  
**( L O U P   T O   T H E   E L K H O R N )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>PLATTE RIVER, LOUP RIVER TO ELKHORN RIVER</u>			
CLEAR CREEK NEAR SHELBY	SW1/4NW1/4 SEC. 36-16-2 W.	06/05/89	0.33
CLEAR CREEK NEAR BELLWOOD	NW1/4SW1/4 SEC. 7-16-2 E.	06/05/89	27
WILSON CREEK NEAR BELLWOOD	NE1/4NE1/4 SEC. 11-16-1 E.	06/05/89	1.9
BONE CREEK NEAR OCTAVIA	NW1/4SW1/4 SEC. 35-17-3 E.	06/05/89	0.46
SKULL CREEK AT LINWOOD	NE1/4SW1/4 SEC. 26-17-4 E.	06/05/89	2.3

PLATTE RIVER BASIN

( ELKHORN RIVER )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER ELKHORN RIVER</u>			
CLEARWATER CREEK NEAR CLEARWATER	NW1/4SW1/4 SEC. 30-25-8 W.	10/31/89	15
PEBBLE CREEK NEAR CLEARWATER	NW1/4NE1/4 SEC. 27-25-8 W.	03/29/89	1.0
HACKBERRY CREEK NEAR CLEARWATER	SE1/4NW1/4 SEC. 32-26-7 W.	10/26/89	0
ANTELOPE CREEK NEAR NELIGH	NW1/4SW1/4 SEC. 24-25-7 W.	07/13/89 10/26/89	0 0
HALL CREEK AT NELIGH	NE1/4SE1/4 SEC. 18-25-6 W.	07/13/89 10/26/89	0 0
BELMAR CREEK AT NELIGH	NW1/4SW1/4 SEC. 21-25-6 W.	07/13/89 10/26/89	0 0
CEDAR CREEK AT OAKDALE	NW1/4NW1/4 SEC. 12-24-6 W.	10/26/89	14
ELM CREEK NEAR OAKDALE	NW1/4SW1/4 SEC. 8-24-5 W.	10/26/89	0
TRUEBLOOD CREEK NEAR OAKDALE	SW1/4SE1/4 SEC. 33-25-5 W.	10/26/89	0.14
SAINT CLAIR CREEK NEAR OAKDALE	NW1/4SW1/4 SEC. 9-24-5 W.	10/26/89	0
IVES CREEK NEAR TILDEN	NE1/4NE1/4 SEC. 15-24-5 W.	10/26/89	0.03
GILES CREEK NEAR TILDEN	SE1/4SE1/4 SEC. 13-24-5 W.	10/26/89	1.0
AL HOPKINS CREEK NEAR TILDEN	NE1/4NE1/4 SEC. 12-24-5 W.	07/13/89 10/26/89	0 0.41
BATTLE CREEK NEAR BATTLE CREEK	NE1/4NE1/4 SEC. 35-23-3 W.	07/11/89	0
BATTLE CREEK NEAR BATTLE CREEK	SW1/4NW1/4 SEC. 31-24-2 W.	07/11/89 10/23/89	9.0 12
ELKHORN RIVER, TRIBUTARY TO, NEAR BATTLE CREEK	SE1/4SW1/4 SEC. 34-24-2 W.	07/10/89 10/23/89	0 0
ELKHORN RIVER, TRIBUTARY TO, NEAR NORFOLK	SE1/4NW1/4 SEC. 6-23-1 W.	07/10/89 10/23/89	0 0.16
ELKHORN RIVER, TRIBUTARY TO, NEAR NORFOLK	SE1/4NW1/4 SEC. 5-23-1 W.	07/10/89 10/23/89	0 0.07
<u>NORTH FORK OF THE ELKHORN RIVER</u>			
ELKHORN RIVER, NORTH FORK, NEAR OSMOND	SW1/4NE1/4 SEC. 31-28-2 W.	06/29/89	0
BRESLAU CREEK NEAR BRESLAU	NE1/4NW1/4 SEC. 4-27-3 W.	06/29/89	0
SPRING CREEK NEAR NORFOLK	SE1/4SW1/4 SEC. 11-24-1 W.	10/23/89	0.97



**P L A T T E   R I V E R   B A S I N**  
**(   E L K H O R N   R I V E R   )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>MIDDLE REACH OF THE ELKHORN RIVER</u>			
ELKHORN RIVER, TRIBUTARY TO, NEAR STANTON	SW1/4NE1/4 SEC. 29-23-1 E.	07/25/89 11/08/89	0 0.06
ELKHORN RIVER, TRIBUTARY TO, NEAR STANTON	SW1/4SW1/4 SEC. 26-23-1 E.	07/25/89 11/08/89	0 0.03
PLEASANT RUN CREEK NEAR STANTON	NE1/4NE1/4 SEC. 25-23-1 E.	07/31/89 11/08/89	0 0
UNION CREEK NEAR STANTON	NE1/4NE1/4 SEC. 1-22-1 E.	07/25/89 11/08/89	26 28
BUTTERFLY CREEK NEAR STANTON	SW1/4SE1/4 SEC. 32-23-2 E.	07/25/89	0
MASKENTHINE CREEK NEAR STANTON	NE1/4NW1/4 SEC. 31-24-2 E.	11/08/89	0.01
MASKENTHINE CREEK AT STANTON	SE1/4SW1/4 SEC. 20-23-2 E.	07/31/89 11/08/89	0 0
INDIAN CREEK NEAR STANTON	NW1/4NW1/4 SEC. 21-23-2 E.	07/27/89 11/08/89	0 0
PAYNE CREEK NEAR STANTON	SW1/4NE1/4 SEC. 12-23-2 E.	07/27/89 11/08/89	0 0
SAND CREEK NEAR WISNER	SE1/4SE1/4 SEC. 29-24-4 E.	07/27/89	0
LEISY CREEK NEAR WISNER	NW1/4SE1/4 SEC. 10-23-4 E.	07/27/89	0
<u>LOGAN CREEK</u>			
LOGAN CREEK, MIDDLE FORK, AT RANDOLPH	NW1/4NW1/4 SEC. 29-28-1 E.	12/01/89	0
LOGAN CREEK, MIDDLE FORK, NEAR LAUREL	SW1/4SW1/4 SEC. 6-28-3 E.	12/01/89	2.7
PERRIN CREEK NEAR LAUREL	SW1/4SE1/4 SEC. 30-29-3 E.	12/01/89	2.8
BAKER CREEK NEAR LAUREL	SW1/4SW1/4 SEC. 13-28-3 E.	12/01/89	1.0
LOGAN CREEK, NORTH FORK, NEAR LAUREL	SW1/4SW1/4 SEC. 36-29-3 E.	12/01/89	0
SOUTH LOGAN CREEK NEAR WAYNE	NE1/4SW1/4 SEC. 27-26-3 E.	06/21/89	0.91
LOGAN CREEK, SOUTH FORK, AT WAYNE	SW1/4SW1/4 SEC. 18-26-4 E.	07/24/89	1.9
DOG CREEK NEAR WAYNE	SW1/4NW1/4 SEC. 6-26-4 E.	07/24/89	0.70
LITTLE LOGAN CREEK NEAR LYONS	SW1/4SE1/4 SEC. 34-23-8 E.	10/24/89	0.18
LOGAN CREEK, TRIBUTARY TO, NEAR OAKLAND	SE1/4SW1/4 SEC. 15-22-8 E.	10/24/89	0

P L A T T E   R I V E R   B A S I N  
( E L K H O R N   R I V E R )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c. f. s.</u>
<u>LOGAN CREEK</u>			
PETERSON CREEK NEAR OAKLAND	NE1/4SW1/4 SEC. 10-21-8 E.	10/24/89	0.02
LOGAN CREEK NEAR SCRIBNER	NE1/4NE1/4 SEC. 32-20-8 E.	07/31/89	42
<u>LOWER ELKHORN RIVER</u>			
BELL CREEK NEAR CRAIG	SE1/4SE1/4 SEC. 11-21-9 E.	10/25/89	4.2
BELL CREEK, TRIBUTARY TO NEAR CRAIG	SW1/4SE1/4 SEC. 34-21-9 E.	10/25/89	1.5
LITTLE BELL CREEK NEAR FONTANELLE	SW1/4SE1/4 SEC. 18-18-10 E.	12/01/89	1.3
BROWN CREEK NEAR ARLINGTON	NW1/4NW1/4 SEC. 6-17-10 E.	12/01/89	0.46
BELL CREEK NEAR ARLINGTON	NW1/4SW1/4 SEC. 6-17-10 E.	12/01/89	16

P L A T T E   R I V E R   B A S I N  
( S A L T   C R E E K )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>SALT CREEK</u>			
SPRING BRANCH CREEK NEAR SPRAGUE	SW1/4NW1/4 SEC. 4-7-6 E.	05/24/89 11/07/89	0.29 0.21
SALT CREEK NEAR ROCA	NE1/4SE1/4 SEC. 24-8-6 E.	05/24/89	4.1
SALT TRIBUTARY NEAR WAGON TRAIN LAKE	SE1/4SE1/4 SEC. 14-8-7 E.	05/24/89 05/24/89	0.08 0.08
SALT CREEK AT LINCOLN	NW1/4NW1/4 SEC. 11-9-6 E.	05/23/89	3.9
HAINES BRANCH CREEK NEAR DENTON	SE1/4NW1/4 SEC. 14-9-5 E.	05/25/89 11/07/89	1.0 1.7
MIDDLE CREEK, NORTH BRANCH, NEAR PAWNEE LAKE	SW1/4SW1/4 SEC. 31-11-5 E.	05/23/89 11/01/89	1.5 1.6
NORTH OAK CREEK NEAR RAYMOND	SE1/4SE1/4 SEC. 2-12-5 E.	05/23/89 11/01/89	5.4 4.4
OAK CREEK NEAR GARLAND	SE1/4NE1/4 SEC. 13-12-4 E.	06/02/89 11/01/89	0.58 0
MIDDLE OAK CREEK NEAR GARLAND	NE1/4SE1/4 SEC. 22-12-4 E.	06/02/89	0.45
OAK CREEK BELOW DAM	NW1/4NW1/4 SEC. 34-12-5 E.	06/20/89 06/23/89 07/07/89 08/09/89	3.9 3.8 3.9 4.5
OAK CREEK NEAR RAYMOND	NW1/4NW1/4 SEC. 6-11-6 E.	05/23/89	1.0
ELK CREEK NEAR LINCOLN	NW1/4NW1/4 SEC. 31-11-6 E.	05/23/89	0.68
JORDAN CREEK NEAR WAVERLY	NW1/4NW1/4 SEC. 18-11-8 E.	05/22/89 11/01/89	0.56 0
ROCK CREEK NEAR DAVEY	NW1/4NW1/4 SEC. 5-12-7 E.	05/22/89	6.5
ROCK CREEK NEAR WAVERLY	SW1/4NW1/4 SEC. 35-12-8 E.	05/22/89	11
CAMP CREEK NEAR WAVERLY	NW1/4NW1/4 SEC. 12-11-8 E.	05/22/89	3.1
WAHOO CREEK, NORTH FORK, NEAR MALMO	SW1/4NW1/4 SEC. 29-15-6 E.	06/01/89	1.2
COTTONWOOD CREEK NEAR MALMO	NW1/4NE1/4 SEC. 22-15-6 E.	06/01/89	0.30
SILVER CREEK NEAR ITHACA	NE1/4NW1/4 SEC. 34-14-8 E.	06/01/89	7.4
JOHNSON CREEK NEAR MEMPHIS	SE1/4SE1/4 SEC. 27-14-9 E.	06/01/89	1.6

P L A T T E   R I V E R   B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>PLATTE RIVER, SALT CREEK TO MOUTH</u>			
PLATTE RIVER, TRIBUTARY TO, NEAR SOUTH BEND	NE1/4NE1/4 SEC. 2-12-10 E.	09/27/89	0.25
PLATTE RIVER, TRIBUTARY TO, NEAR SOUTH BEND	NE1/4NE1/4 SEC. 11-12-10 E.	09/27/89	0.19
BUFFALO CREEK NEAR SPRINGFIELD	SE1/4SE1/4 SEC. 28-13-11 E.	09/28/89	1.0
BUFFALO CREEK NEAR SPRINGFIELD	SW1/4SW1/4 SEC. 36-13-11 E.	09/28/89	1.7
TURTLE CREEK NEAR SPRINGFIELD	NW1/4SW1/4 SEC. 25-13-11 E.	09/28/89	0.13
SPRINGFIELD CREEK NEAR SPRINGFIELD	SW1/4SW1/4 SEC. 24-13-11 E.	09/28/89	1.4
SPRINGFIELD CREEK NEAR SPRINGFIELD	SW1/4SE1/4 SEC. 36-13-11 E.	09/28/89	1.9
PLATTE RIVER, TRIBUTARY TO, NEAR SPRINGFIELD	NE1/4SW1/4 SEC. 20-13-12 E.	09/28/89	0.06
PLATTE RIVER, TRIBUTARY TO, NEAR SPRINGFIELD	SE1/4NE1/4 SEC. 30-13-12 E.	09/28/89	0.31
ZWIEBEL CREEK NEAR PAPIILLION	NE1/4NW1/4 SEC. 30-13-13 E.	09/28/89	1.4

**MISSOURI RIVER TRIBUTARIES**  
**( PLATTE TO LITTLE NEMAHA )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>WEEPING WATER CREEK</u>			
WEEPING WATER CREEK, NORTH BRANCH NEAR ALVO	NW1/4SW1/4 SEC. 12-10-9 E.	04/04/89	0
WEEPING WATER CREEK, NORTH BRANCH NEAR ALVO	SW1/4NW1/4 SEC. 5-10-10 E.	04/04/89	0.45
STOVE CREEK NEAR ELMWOOD	NE1/4NW1/4 SEC. 28-10-10 E.	04/04/89	0.17
STOVE CREEK AT ELMWOOD	SW1/4NW1/4 SEC. 15-10-10 E.	04/04/89	0.44
STOVE CREEK NEAR ELMWOOD	SE1/4SW1/4 SEC. 10-10-10 E.	04/04/89	0.55
WEEPING WATER CREEK, NORTH BRANCH NEAR ELMWOOD	SW1/4SW1/4 SEC. 35-11-10 E.	04/04/89	2.2
WEEPING WATER CREEK, NORTH BRANCH NEAR ELMWOOD	SE1/4NE1/4 SEC. 31-11-11 E.	04/04/89	4.9
WEEPING WATER CREEK, NORTH BRANCH NEAR WEEPING WATER	NW1/4NW1/4 SEC. 3-10-11 E.	04/04/89	7.5
WEEPING WATER CREEK, NORTH BRANCH AT WEEPING WATER	NW1/4NW1/4 SEC. 1-10-11 E.	04/04/89	6.9
CASCADE CREEK NEAR WEEPING WATER	SE1/4NE1/4 SEC. 11-10-11 E.	04/04/89	0.59
WEEPING WATER CREEK, NORTH BRANCH NEAR WEEPING WATER	NW1/4NW1/4 SEC. 7-10-12 E.	04/04/89	9.1
SOUTH CEDAR CREEK AT MANLEY	SW1/4NW1/4 SEC. 15-11-11 E.	04/04/89	0.02
SOUTH CEDAR CREEK AT MANLEY	SW1/4NW1/4 SEC. 23-11-11 E.	04/04/89	0.39
SOUTH CEDAR CREEK AT WEEPING WATER	SW1/4NW1/4 SEC. 31-11-12 E.	04/04/89	0.53
SOUTH CEDAR CREEK NEAR WEEPING WATER	NE1/4NW1/4 SEC. 5-10-12 E.	04/04/89	1.1
WEEPING WATER CREEK, NORTH BRANCH NEAR WEEPING WATER	NW1/4SW1/4 SEC. 4-10-12 E.	04/04/89	8.5
WEEPING WATER CREEK, NORTH BRANCH NEAR NEHAWKA	NW1/4SW1/4 SEC. 13-10-12 E.	04/04/89	9.7
WEEPING WATER CREEK, NORTH BRANCH, TRIBUTARY TO NEAR MANLEY	SW1/4SW1/4 SEC. 23-11-12 E.	04/04/89	0.10
WEEPING WATER CREEK, NORTH BRANCH, TRIBUTARY TO NEAR NEHAWKA	SE1/4NW1/4 SEC. 36-11-12 E.	04/04/89	0.36
WEEPING WATER CREEK, NORTH BRANCH, TRIBUTARY TO AT NEHAWKA	NE1/4SW1/4 SEC. 18-10-13 E.	04/04/89	1.9
WEEPING WATER CREEK, NORTH BRANCH AT NEHAWKA	NW1/4NE1/4 SEC. 19-10-13 E.	04/04/89	12

**MISSOURI RIVER TRIBUTARIES  
( PLATTE TO LITTLE NEMAHA )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>WEeping WATER CREEK</u>			
WEeping WATER CREEK, NORTH BRANCH NEAR UNION	NW1/4SW1/4 SEC. 22-10-13 E.	04/04/89	13
WEeping WATER CREEK, SOUTH BRANCH NEAR AVOCA	NW1/4SW1/4 SEC. 22-10-11 E.	04/04/89	0.10
WEeping WATER CREEK, SOUTH BRANCH NEAR AVOCA	SW1/4NW1/4 SEC. 36-10-11 E.	04/04/89	0.50
WEeping WATER CREEK, SOUTH BRANCH AT AVOCA	SE1/4NW1/4 SEC. 31-10-12 E.	04/04/89	0.86
WEeping WATER CREEK, SOUTH BRANCH NEAR AVOCA	SE1/4NW1/4 SEC. 33-10-12 E.	04/04/89	1.1
FLOOD CREEK NEAR AVOCA	SW1/4SW1/4 SEC. 3-9-12 E.	04/04/89	0.41
FLOOD CREEK NEAR NEHAWKA	SE1/4SE1/4 SEC. 2-9-12 E.	04/04/89 11/30/89	0.73 0.36
WEeping WATER CREEK, SOUTH BRANCH NEAR OTOE	NE1/4SE1/4 SEC. 1-9-12 E.	04/04/89	2.4
JORDAN CREEK NEAR OTOE	NE1/4NW1/4 SEC. 24-9-12 E.	04/04/89	0.63
JORDAN CREEK NEAR OTOE	NW1/4NW1/4 SEC. 7-9-12 E.	04/04/89	0.71
GOOSE CREEK NEAR OTOE	NE1/4NE1/4 SEC. 19-9-13 E.	04/04/89	0.42
GOOSE CREEK NEAR NEHAWKA	SW1/4SW1/4 SEC. 6-9-13 E.	04/04/89	0.78
WEeping WATER CREEK, SOUTH BRANCH NEAR NEHAWKA	NE1/4SW1/4 SEC. 29-10-13 E.	04/04/89	3.8
BIG SLOUGH CREEK NEAR UNION	SE1/4SW1/4 SEC. 21-9-13 E.	04/04/89	0.07
BIG SLOUGH CREEK NEAR UNION	NE1/4NE1/4 SEC. 16-9-13 E.	04/04/89	0.98
BIG SLOUGH CREEK NEAR UNION	SE1/4SE1/4 SEC. 4-9-13 E.	04/04/89	1.7
BIG SLOUGH NEAR UNION	NE1/4NW1/4 SEC. 33-10-13 E.	04/04/89	2.5
WEeping WATER CREEK, SOUTH BRANCH NEAR UNION	NE1/4NW1/4 SEC. 27-10-13 E.	04/04/89	5.6
WOLF CREEK NEAR UNION	SW1/4SE1/4 SEC. 35-10-13 E.	04/04/89	0.43
WEeping WATER CREEK NEAR UNION	SW1/4NW1/4 SEC. 36-10-13 E.	04/04/89	19
<u>MISSOURI TRIBS., WEeping WATER CR. TO LITTLE NEMAHA R.</u>			
WALNUT CREEK NEAR NEBRASKA CITY	SE1/4NE1/4 SEC. 36-9-13 E.	11/30/89	2.6

MISSOURI RIVER TRIBUTARIES  
( PLATTE TO LITTLE NEMAHA )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>MISSOURI TRIBS., WEEPING WATER CR. TO LITTLE NEMAHA R.</u>			
FOUR MILE CREEK NEAR NEBRASKA CITY	NE1/4SE1/4 SEC. 25-8-14 E.	11/30/89	0
HONEY CREEK NEAR PERU	NW1/4NW1/4 SEC. 36-6-15 E.	11/21/89	1.2

L I T T L E N E M A H A R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER LITTLE NEMAHA RIVER</u>			
LITTLE NEMAHA RIVER EAST OF CHENEY	NE1/4NW1/4 SEC. 6-8-8 E.	04/05/89	0.01
LITTLE NEMAHA RIVER WEST OF BENNET	NE1/4NE1/4 SEC. 7-8-8 E.	04/05/89	0.02
LITTLE NEMAHA RIVER SOUTH OF BENNET	NW1/4SE1/4 SEC. 10-8-8 E.	04/05/89	0.21
LITTLE NEMAHA RIVER NEAR BENNET	NW1/4SW1/4 SEC. 6-8-9 E.	04/05/89	0.99
SILVER CREEK NEAR PANAMA	SW1/4SW1/4 SEC. 29-8-9 E.	04/05/89	0.11
SILVER CREEK NEAR PALMYRA	SW1/4SW1/4 SEC. 15-8-9 E.	04/05/89	0.26
TRIBUTARY TO SILVER CREEK WEST OF PALMYRA	NW1/4NW1/4 SEC. 20-8-9 E.	04/05/89	0.08
TRIBUTARY TO SILVER CREEK SOUTH OF PALMYRA	NW1/4NW1/4 SEC. 15-8-9 E.	04/05/89	0.07
SILVER CREEK NEAR PALMYRA	NW1/4SE1/4 SEC. 2-8-9 E.	04/05/89	1.6
HOOPER CREEK NEAR BENNET	SW1/4SW1/4 SEC. 22-9-8 E.	04/05/89	0.04
HOOPER CREEK SOUTH OF EAGLE	SW1/4NW1/4 SEC. 9-9-9 E.	04/05/89	0.35
HOOPER CREEK EAST OF PALMYRA	NW1/4NW1/4 SEC. 13-9-9 E.	04/05/89	2.3
LITTLE NEMAHA RIVER NEAR UNADILLA	NW1/4NE1/4 SEC. 5-8-10 E.	04/05/89 12/01/89	4.4 5.5
HOOPER CREEK NEAR UNADILLA	SE1/4NE1/4 SEC. 30-9-10 E.	04/05/89 12/01/89	3.7 3.3
LITTLE NEMAHA RIVER EAST OF UNADILLA	NW1/4NE1/4 SEC. 10-8-10	04/05/89	7.6
RUSSELL CREEK NEAR UNADILLA	SW1/4NE1/4 SEC. 19-8-10 E.	04/05/89	0.05
RUSSELL CREEK SOUTH OF UNADILLA	SW1/4SW1/4 SEC. 10-8-10 E.	04/05/89	0.86
OWL CREEK WEST OF UNADILLA	NE1/4NE1/4 SEC. 4-9-10 E.	04/05/89	0
OWL CREEK NORTH OF UNADILLA	NW1/4NW1/4 SEC. 14-9-10 E.	04/05/89	0.29
WOLF RUN WEST OF UNADILLA	NE1/4NW1/4 SEC. 16-9-10 E.	04/05/89	0
WOLF RUN NORTH OF UNADILLA	NW1/4NW1/4 SEC. 26-9-10 E.	04/05/89	0.26



## L I T T L E N E M A H A R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>UPPER LITTLE NEMAHA RIVER</u>			
OWL CREEK NORTH OF UNADILLA	NW1/4NW1/4 SEC. 25-9-10 E.	04/05/89	0.80
WOLF CREEK NEAR SYRACUSE	NE1/4NE1/4 SEC. 18-8-11 E.	04/05/89	1.5
LITTLE NEMAHA RIVER NEAR SYRACUSE	SW1/4NW1/4 SEC. 27-8-11 E.	04/05/89 07/10/89 07/31/89 08/03/89 08/04/89 11/30/89	13 4.2 4.4 3.9 1.7 11
BROWNELL CREEK WEST OF SYRACUSE	SE1/4SW1/4 SEC. 29-9-11 E.	04/05/89	0.01
BROWNELL CREEK EAST OF SYRACUSE	SW1/4SW1/4 SEC. 3-8-11 E.	04/05/89	0.17
BROWNELL CREEK NEAR SYRACUSE	SE1/4SW1/4 SEC. 26-8-11 E.	04/05/89	0.73
MUDDY CREEK EAST OF DOUGLAS	SW1/4SW1/4 SEC. 30-8-10 E.	04/05/89	0
MUDDY CREEK NORTH OF DOUGLAS	SW1/4SW1/4 SEC. 33-8-10 E.	04/05/89	0.04
MUDDY CREEK EAST OF DOUGLAS	NW1/4NE1/4 SEC. 18-7-11 E.	04/05/89	0.76
MUDDY CREEK NEAR SYRACUSE	NW1/4NW1/4 SEC. 23-7-11 E.	04/05/89	1.8
SOUTH FORK LITTLE NEMAHA NEAR PANAMA	NE1/4SE1/4 SEC. 2-7-8 E.	04/06/89	0.01
LITTLE NEMAHA RIVER, SOUTH FORK AT DOUGLAS	SW1/4NW1/4 SEC. 11-7-9 E.	04/06/89 12/01/89	0.52 0.29
SOUTH FORK LITTLE NEMAHA WEST OF BURR	NW1/4NE1/4 SEC. 32-7-10 E.	04/06/89	1.7
SANDERS CREEK NORTH OF STERLING	SE1/4SW1/4 SEC. 18-6-10 E.	04/06/89	0
SANDER CREEK NEAR BURR	SE1/4SW1/4 SEC. 5-6-10 E.	04/06/89	0
SILVER CREEK EAST OF STERLING	SE1/4SW1/4 SEC. 22-6-10 E.	04/06/89	0
SILVER CREEK NORTH OF STERLING	SE1/4NE1/4 SEC. 15-6-10 E.	04/06/89	0
SILVER CREEK NEAR COOK	NW1/4NW1/4 SEC. 12-6-10 E.	04/06/89	2.4
TURKEY CREEK NORTH OF ST. MARY'S	SE1/4SE1/4 SEC. 35-6-10 E.	04/06/89	0
TURKEY CREEK WEST OF STERLING	SW1/4SE1/4 SEC. 24-6-10 E.	04/06/89	0

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<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>UPPER LITTLE NEMAHA RIVER</u>			
TURKEY CREEK NEAR COOK	NE1/4SW1/4 SEC. 8-6-11 E.	12/01/88 04/06/89	91 1.8
SOUTH FORK LITTLE NEMAHA SOUTH OF COOK	SW1/4NW1/4 SEC. 8-6-11 E.	04/06/89	15
COON CREEK WEST OF COOK	SW1/4SW1/4 SEC. 5-5-11 E.	05/06/89	0
COON CREEK SOUTH OF COOK	SE1/4SE1/4 SEC. 29-6-11 E.	04/06/89	0
COON CREEK NEAR COOK	SW1/4SW1/4 SEC. 15-6-11 E.	04/06/89	0.86
LITTLE NEMAHA RIVER, SOUTH FORK NEAR TALMAGE	NE1/4NW1/4 SEC. 29-7-12 E.	04/06/89 11/30/89	72 19
SPRING CREEK EAST TECUMSEH	SW1/4SE1/4 SEC. 19-5-12 E.	04/06/89	0.01
SPRING CREEK EAST OF COOK	SE1/4SW1/4 SEC. 30-6-12 E.	04/06/89	0.20
MANN`S CREEK NORTH OF TECUMSEH	SE1/4SW1/4 SEC. 3-5-11 E.	04/06/89	0
MANN`S CREEK SOUTH OF COOK	SW1/4NW1/4 SEC. 26-6-11 E.	04/06/89	0.02
MANN`S CREEK EAST OF COOK	NW1/4NE1/4 SEC. 25-6-11 E.	04/06/89	0.20
SPRING CREEK EAST OF COOK	NE1/4SE1/4 SEC. 19-6-12 E.	04/05/89	0.61
SPRING CREEK NEAR TALMAGE	NW1/4NW1/4 SEC. 27-7-12 E.	04/06/89 11/30/89	1.3 1.1
LITTLE NEMAHA RIVER NORTH OF TALMAGE	NW1/4NW1/4 SEC. 25-7-12 E.	04/05/89 04/06/89 04/11/89	37 36 37
<u>LOWER LITTLE NEMAHA RIVER</u>			
NORTH FORK LITTLE NEMAHA SOUTH ELMWOOD	NE1/4NW1/4 SEC. 25-10-10 E.	04/06/89	0.01
NORTH FORK LITTLE NEMAHA EAST OF ELMWOOD	NW1/4NE1/4 SEC. 30-10-11 E.	04/05/89	0.10
NORTH FORK LITTLE NEMAHA NORTH OF SYRACUSE	SE1/4SE1/4 SEC. 9-9-11 E.	04/05/89	0.90
NORTH FORK LITTLE NEMAHA EAST OF OTOE	SE1/4SW1/4 SEC. 19-9-12 E.	04/05/89	1.9
NORTH FORK LITTLE NEMAHA NORTH OF DUNBAR	NE1/4SE1/4 SEC. 11-8-12 E.	04/05/89	2.6
WILSON CREEK NORTH OF DUNBAR	SW1/4SW1/4 SEC. 25-9-12 E.	04/05/89	0

## L I T T L E N E M A H A R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER LITTLE NEMAHA RIVER</u>			
WILSON CREEK EAST OF DUNBAR	SW1/4SW1/4 SEC. 6-8-13 E.	04/05/89	0.17
WILSON CREEK NEAR DUNBAR	SE1/4SW1/4 SEC. 12-8-12 E.	04/05/89	0.37
NORTH FORK FOX CREEK NORTH OF DUNBAR	SE1/4SE1/4 SEC. 4-8-13 E.	04/05/89	0.01
NORTH FORK FOX CREEK EAST OF DUNBAR	SW1/4SE1/4 SEC. 8-8-13 E.	04/05/89	0.20
FOX CREEK SOUTH OF DUNBAR	SE1/4SE1/4 SEC. 22-8-13 E.	04/05/89	0
FOX CREEK EAST OF DUNBAR	SE1/4NE1/4 SEC. 20-8-13 E.	04/05/89	0.10
FOX CREEK NEAR DUNBAR	SW1/4SW1/4 SEC. 18-8-13 E.	04/05/89	0.55
LITTLE NEMAHA RIVER, NORTH FORK NEAR LORTON	SW1/4SW1/4 SEC. 12-7-12 E.	04/06/89 11/30/89	3.8 4.5
SOUTH FORK JAMES CREEK WEST OF JOHNSON	SE1/4SW1/4 SEC. 34-6-12 E.	04/11/89	0
SANDY CREEK NEAR TALMAGE	SW1/4SW1/4 SEC. 32-7-13 E.	04/11/89	0.65
SOUTH FORK JAMES CREEK SOUTH OF TALMAGE	SW1/4SW1/4 SEC. 13-6-12 E.	04/11/89	0.36
JONES CREEK NEAR BROCK	SE1/4SW1/4 SEC. 6-6-13 E.	04/11/89	0.02
JONES CREEK WEST OF TALMAGE	NW1/4SW1/4 SEC. 11-6-12 E.	04/11/89	0.27
JONES CREEK SOUTH OF TALMAGE	NW1/4SW1/4 SEC. 6-6-13 E.	04/11/89	1.7
EAST FORK SANDY CREEK EAST OF LORTON	SW1/4SW1/4 SEC. 3-7-13 E.	04/11/89	0
SANDY CREEK NEAR LORTON	NE1/4NW1/4 SEC. 17-7-13 E.	04/11/89	0.18
HOUSCHINS CREEK NORTH OF JOHNSON	SE1/4SE1/4 SEC. 6-5-13 E.	04/11/89	0
HOUSCHINS CREEK NEAR JOHNSON	NW1/4NW1/4 SEC. 32-6-13 E.	04/11/89	0.40
HOUCSHINS CREEK NEAR BROCK	SW1/4SE1/4 SEC. 16-6-13 E.	04/11/89	0.36
WEST FORK SANDY CREEK NORTH OF LORTON	SW1/4NW1/4 SEC. 4-7-13 E.	04/11/89	0
LITTLE NEMAHA RIVER EAST OF BROCK	NW1/4NW1/4 SEC. 23-6-13 E.	04/11/89	48

L I T T L E N E M A H A R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LOWER LITTLE NEMAHA RIVER</u>			
TRIBUTARY TO LITTLE NEMAHA SOUTH OF BROCK	NW1/4SW1/4 SEC. 2-5-13 E.	04/11/89	0
LITTLE NEMAHA TRIBUTARY NEAR GLEN ROCK	SE1/4NW1/4 SEC. 26-6-13 E.	04/11/89	0.43
TRIBUTARY TO LITTLE NEMAHA NEAR JULIAN	SE1/4SE1/4 SEC. 2-6-13 E.	04/11/89	0
TRIBUTARY TO LITTLE NEMAHA EAST OF BROCK	NW1/4NW1/4 SEC. 24-6-13 E.	04/11/89	0.18
ROCK CREEK WEST OF PAUL	SW1/4SW1/4 SEC. 25-8-13 E.	04/12/89	0
ROCK CREEK SOUTH OF PAUL	SW1/4SW1/4 SEC. 7-7-14 E.	04/12/89	1.1
ROCK CREEK WEST OF JULIAN	SW1/4SE1/4 SEC. 18-6-14 E.	04/12/89	3.3
HIGGINS BRANCH ROCK CREEK SOUTH OF JULIAN	SE1/4SE1/4 SEC. 1-6-13 E.	04/12/89	0
HIGGINS BRANCH ROCK CREEK WEST OF JULIAN	SE1/4NE1/4 SEC. 19-6-14 E.	04/12/89	0.05
ROCK CREEK NEAR AUBURN	NW1/4SE1/4 SEC. 29-6-14 E.	04/12/89 11/21/89	3.7 2.6
ORD CREEK SOUTH OF GLENROCK	SW1/4NW1/4 SEC. 12-5-13 E.	04/12/89	0.01
ORD CREEK NEAR AUBURN	SE1/4NE1/4 SEC. 7-5-14 E.	04/12/89 11/21/89	0.33 0.18
LONGS CREEK WEST OF AUBURN	NE1/4NE1/4 SEC. 22-5-13 E.	04/12/89	0.10
SCOTCH CREEK WEST OF AUBURN	SE1/4SE1/4 SEC. 30-5-14 E.	04/12/89	0.24
LONGS CREEK NEAR AUBURN	SW1/4NE1/4 SEC. 16-5-14 E.	04/12/89	0.52
WILLOW CREEK EAST OF AUBURN	NW1/4NE1/4 SEC. 34-6-14 E.	04/11/89	0.03
WILLOW CREEK NEAR AUBURN	NW1/4SW1/4 SEC. 11-5-14 E.	04/11/89	0.17
LITTLE NEMAHA EAST OF AUBURN	SE1/4SW1/4 SEC. 14-5-14 E.	04/11/89	57
LITTLE NEMAHA NEAR AUBURN	NE1/4NW1/4 SEC. 23-5-14 E.	04/12/89	65
HUGES CREEK SOUTH OF HOWE	SW1/4SW1/4 SEC. 13-4-14 E.	04/12/89	0.01
HUGES CREEK SOUTH OF AUBURN	SW1/4SW1/4 SEC. 2-4-14 E.	04/12/89	0.51

## L I T T L E N E M A H A R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.m.</u>
<u>LOWER LITTLE NEMAHA RIVER</u>			
HUGHES CREEK NEAR AUBURN	NE1/4SW1/4 SEC. 36-5-14 E.	04/12/89 11/21/89	1.2 0.77
INDIAN CREEK NEAR HOWE	SW1/4SE1/4 SEC. 18-4-15 E.	04/12/89	0.09
INDIAN CREEK NEAR AUBURN	NE1/4NE1/4 SEC. 7-4-15 E.	04/12/89	0.53
SWARTZ RUN EAST OF AUBURN	NE1/4NE1/4 SEC. 21-5-15 E.	04/12/89	0.19
SWARTZ RUN NEAR NEMAHA	SE1/4SW1/4 SEC. 28-5-14 E.	04/12/89	0.70
LITTLE NEMAHA RIVER NEAR NEMAHA	SW1/4SE1/4 SEC. 4-4-15 E.	04/13/89	60
HAPPY HOLLOW NORTH OF NEMAHA	NE1/4NW1/4 SEC. 26-5-15 E.	04/12/89	0.01
HAPPY HOLLOW NEAR NEMAHA	NE1/4NW1/4 SEC. 2-4-15 E.	04/12/89	0.63
EAST BRANCH JIVERS CREEK SOUTH OF NEMAHA	NW1/4NW1/4 SEC. 3-3-15 E.	04/13/89	0.06
EAST BRANCH JIVERS CREEK WEST OF NEMAHA	SE1/4SE1/4 SEC. 22-4-15 E.	04/13/89	0.28
WEST BRANCH JIVERS CREEK SOUTH OF NEMAHA	SW1/4SW1/4 SEC. 28-4-15 E.	04/13/89	0
JIVERS CREEK NEAR NEMAHA	NW1/4NW1/4 SEC. 23-4-15 E.	04/13/89 10/31/89	0.08 0.42
JIVERS CREEK NEAR NEMAHA	NE1/4NE1/4 SEC. 14-4-15 E.	04/13/89	0.44
WHISKEY RUN CREEK SOUTH OF NEMAHA	NW1/4NE1/4 SEC. 1-3-15 E.	04/13/89	0.65
WHISKEY RUN NEAR NEMAHA	NE1/4NE1/4 SEC. 24-4-15 E.	04/13/89	1.8

MISSOURI RIVER TRIBUTARIES  
( LITTLE NEMAHA TO BIG NEMAHA )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>MISSOURI TRIBS., LITTLE NEMAHA R. TO BIG NEMAHA R.</u>			
BEADOW CREEK NEAR SHUBERT	NW1/4SW1/4 SEC. 26-4-16 E.	10/31/89	1.1
LOST BRANCH CREEK NEAR LEWISTON	SW1/4NW1/4 SEC. 27-4-9 E.	04/08/89	0

## B I G N E M A H A R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c. f. s.</u>
<u>NORTH FORK OF THE BIG NEMAHA RIVER</u>			
BIG NEMAHA RIVER MIDDLE BRANCH NEAR FIRTH	NW1/4NW1/4 SEC. 27-7-6 E.	04/13/89	0
BIG NEMAHA RIVER MIDDLE BRANCH	NE1/4NE1/4 SEC. 30-7-7 E.	04/13/89	0
BIG NEMAHA RIVER MIDDLE BRANCH NEAR FIRTH	NE1/4SE1/4 SEC. 2-6-7 E.	04/13/89	0.03
BIG NEMAHA RIVER MIDDLE BRANCH NEAR ADAMS	SW1/4SW1/4 SEC. 16-6-8 E.	04/13/89	0.04
SHAW CREEK NEAR CORTLAND	NE1/4NE1/4 SEC. 17-6-7 E.	04/13/89	0
SHAW CREEK NEAR ADAMS	NE1/4SE1/4 SEC. 26-6-7 E.	04/13/89	0.90
SHAW CREEK NEAR ADAMS	SW1/4SW1/4 SEC. 21-6-8 E.	04/13/89	1.4
JAKES CREEK SOUTH OF ADAMS	SW1/4SW1/4 SEC. 31-6-8 E.	04/13/89	0
JAKES CREEK AT ADAMS	SW1/4SW1/4 SEC. 22-6-8 E.	04/13/89	0.10
MIDDLE FORK BIG NEMAHA NEAR ADAMS	SE1/4SE1/4 SEC. 22-6-8 E.	04/13/89	1.5
NORTH FORK BIG NEMAHA RIVER NEAR PANAMA	SW1/4SW1/4 SEC. 3-7-8 E.	04/13/89	0
NORTH FORK BIG NEMAHA NEAR ADAMS	SE1/4SE1/4 SEC. 35-7-8 E.	04/13/89	0
TRIBUTARY TO NORTH FORK BIG NEMAHA NEAR ADAMS	NE1/4SE1/4 SEC. 2-6-8 E.	04/13/89	0
NORTH FORK, BIG NEMAHA RIVER NEAR STERLING	NW1/4SW1/4 SEC. 16-6-9 E.	04/14/89	0
BIG NEMAHA RIVER, NORTH FORK AT STERLING	NE1/4SE1/4 SEC. 27-6-9 E.	04/14/89 04/18/89 12/01/89	11 12 8.6
HOOKEK CREEK NEAR ADAMS	SW1/4SE1/4 SEC. 22-5-8 E.	04/14/89	0
HOOKEK CREEK NEAR ADAMS	SW1/4SW1/4 SEC. 11-5-8 E.	04/14/89	0.45
HOOKEK CREEK NEAR STERLING	SW1/4SW1/4 SEC. 5-5-9 E.	04/14/89	0.93
HOOKEK CREEK NEAR STERLING	SE1/4NE1/4 SEC. 34-6-9 E.	04/14/89	0.46
PRATTS BRANCH NEAR STERLING	NE1/4NW1/4 SEC. 2-7-9 E.	04/14/89	0
PRATTS BRANCH NEAR STERLING	SE1/4SE1/4 SEC. 11-6-9 E.	04/14/89	0

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<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>NORTH FORK OF THE BIG NEMAHA RIVER</u>			
PRATTS BRANCH NEAR STERLING	SE1/4SE1/4 SEC. 26-6-9 E.	04/14/89	0
DEER CREEK NEAR STERLING	SW1/4NW1/4 SEC. 14-5-9 E.	04/18/89	0
DEER CREEK NEAR STERLING	NW1/4NW1/4 SEC. 18-5-10 E.	04/18/89	0
DEER CREEK NEAR ST. MARY	NW1/4NW1/4 SEC. 9-5-10 E.	04/18/89	0
NORTH FORK BIG NEMAHA RIVER NEAR ST. MARY	SW1/4NW1/4 SEC. 10-5-10 E.	04/18/89	20
BEATTY CREEK NEAR VESTA	NW1/4SW1/4 SEC. 20-5-10 E.	04/18/89	0
BEATY CREEK EAST OF VESTA	SE1/4SE1/4 SEC. 15-5-10 E.	04/18/89	0
NORTH FORK BIG NEMAHA NEAR TECUMSEH	NE1/4NW1/4 SEC. 24-5-10 E.	04/18/89	23
YANKEE CREEK NEAR VIRGINA	SE1/4SW1/4 SEC. 31-4-9 E.	04/18/89	0
YANKEE CREEK NORTH OF VIRGINA	SE1/4SW1/4 SEC. 18-4-9 E.	04/18/89	0.02
LAFLENS BRANCH EAST OF FILLEY	NE1/4SE1/4 SEC. 35-5-8 E.	04/18/89	0
YANKEE CREEK NEAR CRAB ORCHARD	NW1/4NW1/4 SEC. 3-4-9 E.	04/18/89	0.53
LOST BRANCH CREEK NEAR CRAB ORCHARD	SE1/4SE1/4 SEC. 14-4-9 E.	04/18/89	0
LOST BRANCH CREEK NEAR VESTA	NE1/4NW1/4 SEC. 1-4-9 E.	04/18/89	0.10
YANKEE CREEK NEAR TECUMSEH	NW1/4NW1/4 SEC. 25-5-10 E.	04/18/89 11/20/89	1.1 0.96
BREWERS BRANCH CREEK NEAR VESTA	SW1/4SE1/4 SEC. 5-4-10 E.	04/18/89	0
BREWERS BRANCH NEAR TECUMSEH	SE1/4SW1/4 SEC. 28-5-10 E.	04/18/89	0.26
YANKEE CREEK WEST OF TECUMSEH	SW1/4SW1/4 SEC. 24-5-10 E.	04/18/89	1.8
BADGE BRANCH CREEK NEAR VESTA	SE1/4SE1/4 SEC. 9-4-10 E.	04/18/89	0.02
BADGE BRANCH CREEK EAST OF VESTA	SW1/4SE1/4 SEC. 35-5-10 E.	04/18/89	0.04
BADGER BRANCH NEAR TECUMSEH	SE1/4SE1/4 SEC. 30-5-11 E.	04/18/89	1.2



## BIG NEMAHA RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c. f. s.</u>
<u>NORTH FORK OF THE BIG NEMAHA RIVER</u>			
BIG NEMAHA RIVER, NORTH FORK AT TECUMSEH	NW1/4NW1/4 SEC. 33-5-11 E.	04/18/89	24
		04/19/89	24
		11/20/89	21
CORSON BRANCH SOUTHWEST OF TECUMSEH	SW1/4NW1/4 SEC. 18-4-11 E.	04/18/89	0
CORSON BRANCH NEAR TECUMSEH	SW1/4NW1/4 SEC. 3-4-11 E.	04/18/89	0.21
BIG NEMAHA RIVER NEAR ELK	NE1/4SE1/4 SEC. 23-4-11 E.	04/19/89	26
ELK CREEK NEAR STEINHAUER	SW1/4SW1/4 SEC. 4-3-11 E.	04/19/89	0.03
TRIBUTARY TO ELK CREEK NEAR ELK	SW1/4SW1/4 SEC. 31-4-11 E.	04/19/89	0.01
ELK CREEK NEAR ELK	NE1/4SE1/4 SEC. 33-4-11 E.	04/19/89	0.72
TODDD CREEK NEAR ELK CREEK	SW1/4NW1/4 SEC. 23-4-10 E.	04/19/89	0
TODD CREEK WEST OF ELK CREEK	SE1/4NE1/4 SEC. 29-4-11 E.	04/19/89	0.03
TODD CREEK NEAR ELK CREEK	SE1/4NE1/4 SEC. 36-4-11 E.	04/19/89	0.99
TODD CREEK NEAR ELK CREEK	SW1/4NW1/4 SEC. 31-4-12 E.	04/19/89	2.7
ROBINSON CREEK NEAR ELK CREEK	NW1/4NW1/4 SEC. 32-4-12 E.	04/19/89	0.07
BIG NEMAHA RIVER EAST OF ELK CREEK	NE1/4SE1/4 SEC. 7-3-12 E.	04/19/89	30
CLEAR CREEK NEAR STEINHAUER	SE1/4SE1/4 SEC. 21-3-11 E.	04/19/89	0.03
CLEAR CREEK NEAR STEINHAUER	NE1/4NE1/4 SEC. 23-3-11 E.	04/29/89	0.27
COOPER BRANCH NEAR TABLE ROCK	NW1/4SE1/4 SEC. 26-3-11 E.	04/19/89	0.02
CLEAR CREEK AT TABLE ROCK	SW1/4NE1/4 SEC. 32-3-12 E.	04/19/89	0.43
TAYLOR BRANCH NEAR TABLE ROCK	NW1/4NE1/4 SEC. 14-2-11 E.	04/19/89	0.02
TRIBUTARY TO TAYLOR BRANCH NEAR TABLE ROCK	NE1/4NW1/4 SEC. 13-2-11 E.	04/19/89	0
TAYLOR BRANCH AT TABLE ROCK	NE1/4SE1/4 SEC. 32-3-12 E.	04/19/89	0.13
BIG NEMAHA RIVER, NORTH FORK, NEAR TABLE ROCK	NW1/4SE1/4 SEC. 33-3-12 E.	04/19/89	29

**B I G N E M A H A R I V E R B A S I N**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>NORTH FORK OF THE BIG NEMAHA RIVER</u>			
ROUND GROVE CREEK NEAR HUMBOLDT	SE1/4NE1/4 SEC. 36-3-12 E.	04/19/89	0.07
ROUND GROVE CREEK NEAR HUMBOLDT	NE1/4NW1/4 SEC. 8-2-13 E.	04/19/89	0.13
DRY BRANCH CREEK NEAR PAWNEE CITY	SW1/4SW1/4 SEC. 28-2-12 E.	04/20/89	0
DRY BRANCH CREEK NEAR PAWNEE CITY	SE1/4SE1/4 SEC. 34-2-12 E.	04/20/89	0
DRY BRANCH NEAR HUMBOLDT	NE1/4NW1/4 SEC. 19-2-13 E.	04/20/89	0
LONG BRANCH CREEK NEAR TECUMSEH	NE1/4SE1/4 SEC. 32-5-12 E.	04/20/89	0.01
LONG BRANCH CREEK NEAR TECUMSEH	NW1/4NW1/4 SEC. 22-4-12 E.	04/20/89	0.04
LONG BRANCH CREEK NEAR ELK CREEK	SE1/4SE1/4 SEC. 36-4-12 E.	04/20/89	0.88
LONG BRANCH CREEK NEAR HUMBOLDT	SE1/4SW1/4 SEC. 17-3-13 E.	04/20/89	2.8
CROOKED BRANCH NEAR HUMBOLDT	NE1/4NE1/4 SEC. 21-3-13 E.	04/20/89	0.01
LONG BRANCH CREEK WEST OF HUMBOLDT	SW1/4SW1/4 SEC. 28-3-13 E.	04/20/89	3.9
KIRKMANS BRANCH NORTH OF HUMBOLDT	SE1/4SE1/4 SEC. 30-3-13 E.	04/20/89	0.45
LONG BRANCH NEAR HUMBOLDT	SE1/4SE1/4 SEC. 4-2-13 E.	04/20/89	4.6
NORTH FORK BIG NEMAHA NEAR HUMBOLDT	SW1/4NE1/4 SEC. 10-2-13 E.	04/19/89	35
NORTH FORK BIG NEMAHA NEAR HUMBOLDT	SE1/4SE1/4 SEC. 18-2-14 E.	04/21/89	28
NORTH FORK BIG NEMAHA NEAR DAWSON	NW1/4SE1/4 SEC. 22-2-14 E.	04/20/89	35
NORTH FORK BIG NEMAHA NEAR SALEM	SE1/4NW1/4 SEC. 31-2-15 E.	04/21/89	38
NORTH FORK BIG NEMAHA NORTHEAST OF SALEM	NW1/4NE1/4 SEC. 3-1-15 E.	04/20/89	39
<u>SOUTH FORK OF THE BIG NEMAHA RIVER</u>			
TURKEY CREEK NEAR LEWISTON	NE1/4NE1/4 SEC. 7-3-9 E.	05/09/89	0
TURKEY CREEK NEAR LEWISTON	NE1/4SE1/4 SEC. 4-3-9 E.	05/09/89	0
TURKEY CREEK NEAR LEWISTON	NE1/4NW1/4 SEC. 5-3-10 E.	05/09/89	0.04

## BIG NEMAHA RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>SOUTH FORK OF THE BIG NEMAHA RIVER</u>			
SAMPSON BRANCH CREEK NORTH OF LEWISTON	SW1/4SW1/4 SEC. 7-4-10 E.	05/09/89	0
SAMPSON BRANCH CREEK NEAR LEWISTON	SE1/4SW1/4 SEC. 28-4-10 E.	05/09/89	0.02
TURKEY CREEK NEAR MAPLE GROVE HOME	NW1/4NW1/4 SEC. 34-4-10 E.	05/09/89	0.01
TURKEY CREEK NEAR STEINAUER	SE1/4SE1/4 SEC. 21-3-10 E.	05/09/89	0.04
ROCK CREEK NEAR STEINAUER	SW1/4SW1/4 SEC. 24-3-10 E.	05/09/89	0.05
TURKEY CREEK NEAR PAWNEE CITY	NE1/4SW1/4 SEC. 27-2-11 E.	05/09/89	0.30
BALLS BRANCH CREEK SOUTH OF HWY.4 ON HWY 99	NW1/4SW1/4 SEC. 31-3-10 E.	05/09/89	0
BALLS BRANCH CREEK NEAR BURCHARD LAKE	NW1/4NW1/4 SEC. 3-2-10 E.	05/09/89	0
BALLS BRANCH NEAR STEINAUER	SE1/4SE1/4 SEC. 11-2-10 E.	05/09/89	0.02
BALLS BRANCH NEAR PAWNEE CITY	NW1/4SE1/4 SEC. 30-2-11 E.	05/09/89	0.11
TURKEY CREEK NEAR PAWNEE CITY	NW1/4NE1/4 SEC. 26-1-11 E.	05/09/89	1.7
WEST BRANCH TURKEY CREEK NEAR LIBERTY	SW1/4SW1/4 SEC. 7-1-11 E.	05/09/89	0
WEST BRANCH TURKEY CREEK NEAR BURCHARD	NW1/4SW1/4 SEC. 9-1-10 E.	05/09/89	0.01
WEST BRANCH TURKEY CREEK NEAR PAWNEE CITY	NW1/4SE1/4 SEC. 1-1-10 E.	05/09/89	0.01
TURKEY CREEK, WEST BRANCH, NEAR PAWNEE CITY	SW1/4NW1/4 SEC. 33-2-11 E.	05/09/89	0.20
WILD CAT CREEK SOUTH OF BURCHARD	SW1/4SW1/4 SEC. 29-1-10 E.	05/09/89 05/09/89	0 0
WILD CAT CREEK SOUTH OF BURCHARD	SW1/4NW1/4 SEC. 34-1-10 E.	05/09/89	0.01
WILD CAT CREEK NEAR PAWNEE CITY	SW1/4SE1/4 SEC. 31-1-11 E.	05/09/89	0.01
JOHNSON CREEK SOUTH OF BURCHARD	SW1/4SW1/4 SEC. 22-1-10 E.	05/09/89	0
JOHNSON CREEK NEAR BURCHARD	SW1/4NW1/4 SEC. 30-1-11 E.	05/09/89	0.01
JOHNSON CREEK NEAR PAWNEE CITY	SE1/4NE1/4 SEC. 26-1-11 E.	05/09/89	0.02

**B I G N E M A H A R I V E R B A S I N**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>SOUTH FORK OF THE BIG NEMAHA RIVER</u>			
BIG NEMAHA RIVER NEAR DuBoise	SE1/4SW1/4 SEC. 35-1-12 E.	04/20/89 05/09/89 05/09/89	5.4 5.4 6.0
NEGRO BRANCH CREEK SOUTH OF DuBOIS	NE1/4NE1/4 SEC. 31-1-12 E.	04/20/89	0
NEGRO BRANCH CREEK NEAR DuBOIS	NE1/4SE1/4 SEC. 34-1-12 E.	04/20/89	0.03
LORES BRANCH NEAR DuBOIS	SE1/4SE1/4 SEC. 6-1-12 E.	04/20/89	0.01
LORES BRANCH SOUTH OF DuBOIS	SE1/4SE1/4 SEC. 17-1-12 E.	04/20/89	0.01
LORES BRANCH CREEK SOUTH OF DuBOIS	NE1/4NE1/4 SEC. 27-1-12 E.	04/20/89	0.02
BIG NEMAHA RIVER, SOUTH FORK, NEAR DU BOIS	SE1/4NW1/4 SEC. 18-1-13 E.	04/21/89	9.3
BIG NEMAHA RIVER SOUTH FORK NEAR HUMBOLDT	NE1/4SW1/4 SEC. 33-2-13 E.	04/21/89	6.2
BIG NEMAHA RIVER SOUTH FORK NEAR HUMBOLDT	NW1/4SW1/4 SEC. 32-2-14 E.	04/21/89	11
FOUR MILE CREEK NEAR CORNHUSKER SCOUT RESERVATION	NE1/4SE1/4 SEC. 28-1-13 E.	04/20/89	0.14
FOUR MILE CREEK NEAR HUMBOLDT	SW1/4SW1/4 SEC. 11-1-13 E.	04/20/89	0
FOUR MILE CREEK NEAR DAWSON	NE1/4NE1/4 SEC. 6-1-14 E.	04/20/89	0.42
RATTLESNAKE CREEK NEAR SALEM	NW1/4NW1/4 SEC. 21-1-14 E.	04/20/89	0.33
SPRING CREEK NEAR SALEM	SW1/4SW1/4 SEC. 9-1-14 E.	04/20/89	0.01
SPRING RATTLESNAKE CREEK NEAR DuBOIS	NE1/4NE1/4 SEC. 17-1-14 E.	04/20/89	0.73
EASLY CREEK NEAR CORNHUSKER SCOUT RESERVATION	SE1/4NE1/4 SEC. 26-1-13 E.	04/20/89	0.34
EASLY CREEK NEAR SALEM	NW1/4NW1/4 SEC. 17-1-14 E.	04/20/89	0.46
BIG NEMAHA RIVER SOUTH FORK NEAR SALEM	NW1/4NW1/4 SEC. 11-1-14 E.	04/20/89	11
HOLY CREEK NEAR DAWSON	NE1/4SE1/4 SEC. 10-1-14 E.	04/20/89	0.01
HONEY CREEK NEAR DAWSON	NE1/4NW1/4 SEC. 35-1-14 E.	04/20/89	0.83
HONEY CREEK NEAR DAWSON	NW1/4NW1/4 SEC. 13-1-14 E.	04/20/89	0.50

## BIG NEMAHA RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>SOUTH FORK OF THE BIG NEMAHA RIVER</u>			
ROCK CREEK NEAR SALEM	NE1/4NW1/4 SEC. 30-1-15 E.	04/20/89	0.58
CONTARY CREEK NEAR SALEM	SW1/4SW1/4 SEC. 22-1-15 E.	04/20/89	0.11
ROCK CREEK NEAR SALEM	NW1/4NW1/4 SEC. 15-1-15 E.	04/20/89	1.5
BIG NEMAHA RIVER, SOUTH FORK AT SALEM	NE1/4SW1/4 SEC. 10-1-15 E.	04/20/89	13
<u>LOWER BIG NEMAHA RIVER</u>			
BIG NEMAHA RIVER NEAR FALLS CITY	NW1/4SW1/4 SEC. 23-1-16 E.	04/20/89 04/25/89	47 49
PONEY CREEK NEAR FALLS CITY	SE1/4SW1/4 SEC. 33-1-16 E.	04/21/89	0
PONY CREEK NEAR FALLS CITY	SE1/4SE1/4 SEC. 22-1-16 E.	04/21/89	2.7
WALNUT CREEK NEAR FALLS CITY	SE1/4NW1/4 SEC. 36-1-16 E.	04/21/89	4.0
BIG NEMAHA RIVER NEAR PRESTON	NE1/4NE1/4 SEC. 20-1-17 E.	04/21/89	60
MUDDY CREEK NEAR TECUMSEH	SW1/4SW1/4 SEC. 21-5-12 E.	04/24/89	0
MUDDY CREEK NEAR JOHNSON	NW1/4SW1/4 SEC. 10-5-12 E.	04/24/89	0.01
MUDDY CREEK NEAR JOHNSON	SW1/4SW1/4 SEC. 20-5-13 E.	04/24/89	0.18
MUDDY CREEK NEAR AUBURN	SE1/4SE1/4 SEC. 3-4-13 E.	04/24/89	0.74
TRIBUTARY TO MUDDY CREEK NEAR JOHNSON	SE1/4SW1/4 SEC. 27-5-12 E.	04/24/89	0
TRIBUTARY TO MUDDY CREEK NEAR JOHNSON	NW1/4NW1/4 SEC. 5-4-13 E.	04/24/89	0.04
TRIBUTARY TO MUDDY CREEK SOUTH OF JOHNSON	NE1/4NW1/4 SEC. 9-4-13 E.	04/24/89	0.08
TRIBUTARY TO MUDDY CREEK NORTH OF HOWE	NW1/4SW1/4 SEC. 6-4-13 E.	04/24/89	0
TRIBUTARY TO MUDDY CREEK NEAR HOWE	SE1/4NE1/4 SEC. 8-4-13 E.	04/24/89	0.02
MUDDY CREEK NORTH OF HOWE	NE1/4NE1/4 SEC. 11-4-13 E.	04/24/89	2.2
MUDDY CREEK NEAR AUBURN	NW1/4NE1/4 SEC. 32-4-14 E.	04/24/89 10/31/89	4.5 4.8
MUDDY CREEK WEST OF STELLA	SW1/4SW1/4 SEC. 7-3-15 E.	04/24/89	8.6

R E P U B L I C A N   R I V E R   B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER REPUBLICAN RIVER</u>			
INDIAN CREEK NEAR MAX	SW1/4NW1/4 SEC. 23-2-36 W.	06/01/89	1.3
MUDDY CREEK NEAR STRATTON	NW1/4NE1/4 SEC. 14-2-35 W.	06/01/89	0.93
<u>FRENCHMAN CREEK</u>			
FRENCHMAN CREEK ABOVE ARTERBURN RESERVOIR	SW1/4NW1/4 SEC. 11-6-41 W.	05/26/89	0
FRENCHMAN CREEK BELOW ARTERBURN RESERVOIR	NW1/4SE1/4 SEC. 18-6-40 W.	05/26/89	1.7
FRENCHMAN CREEK NEAR CHAMPION	SW1/4NW1/4 SEC. 22-6-40 W.	05/26/89	5.0
FRENCHMAN CREEK AT CHAMPION	NW1/4SW1/4 SEC. 22-6-39 W.	05/26/89	11
FRENCHMAN CREEK NEAR HAMLET	SW1/4SW1/4 SEC. 19-5-34 W.	05/26/89	24
STINKING WATER CREEK NEAR WAUNETA	SE1/4SE1/4 SEC. 23-7-36 W.	05/26/89	2.3
SPRING CREEK NEAR WAUNETA	SE1/4NE1/4 SEC. 11-6-36 W.	05/26/89	6.2
<u>MIDDLE REACH OF THE REPUBLICAN RIVER</u>			
RED WILLOW CREEK NEAR HAYES CENTER	NE1/4NW1/4 SEC. 34-8-32 W.	05/26/89	6.2
COON CREEK AT INDIANOLA	NE1/4SE1/4 SEC. 12-3-28 W.	08/21/89	0
BUFFALO CREEK NEAR INDIANOLA	NW1/4NW1/4 SEC. 19-3-27 W.	08/21/89	0
MEDICINE CREEK NEAR DICKENS	SW1/4SW1/4 SEC. 22-10-31 W.	04/25/89	0.75
MEDICINE CREEK NEAR WELLFLEET	SW1/4NE1/4 SEC. 35-10-31 W.	04/25/89	3.1
MEDICINE CREEK AT WELLFLEET	NE1/4SE1/4 SEC. 8-9-30 W.	04/25/89	11
MEDICINE CREEK NEAR WELLFLEET	SW1/4NW1/4 SEC. 24-9-30 W.	04/25/89	16
MEDICINE CREEK AT MAYWOOD	NE1/4NE1/4 SEC. 21-8-29 W.	04/25/89	19
BRUSHY CREEK NEAR MAYWOOD	SW1/4SW1/4 SEC. 28-8-29 W.	04/25/89	0.16
SOUTH BRUSHY CREEK NEAR MAYWOOD	SW1/4SW1/4 SEC. 29-8-29 W.	04/25/89	0
WELL CANYON AT CURTIS	SE1/4SW1/4 SEC. 29-8-28 W.	04/25/89	0

R E P U B L I C A N   R I V E R   B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>MIDDLE REACH OF THE REPUBLICAN RIVER</u>			
MEDICINE CREEK AT CURTIS	NE1/4NE1/4 SEC. 32-8-28 W.	04/25/89	29
FOX CREEK NEAR MOREFIELD	SW1/4SE1/4 SEC. 17-9-28 W.	04/25/89	1.5
CUT CANYON NEAR MAYWOOD	NW1/4NE1/4 SEC. 29-9-28 W.	04/25/89	1.2
FOX CREEK NEAR CURTIS	NW1/4NE1/4 SEC. 8-8-28 W.	04/25/89	4.9
CURTIS CREEK NEAR CURTIS	SW1/4SW1/4 SEC. 36-8-28 W.	05/23/89	0.59
MEDICINE CREEK NEAR CURTIS	SE1/4NW1/4 SEC. 1-7-28 W.	05/23/89	40
MEDICINE CREEK AT STOCKVILLE	SW1/4NE1/4 SEC. 34-7-27 W.	05/23/89	46
CEDAR CREEK NEAR STOCKVILLE	SW1/4SW1/4 SEC. 3-6-27 W.	05/23/89	0.14
WALNUT CREEK NEAR STOCKVILLE	SW1/4SW1/4 SEC. 12-6-27 W.	05/23/89	0
MITCHELL CREEK ABOVE HARRY STRUNK RESERVOIR	NW1/4SE1/4 SEC. 22-6-26 W.	05/23/89 05/23/89	0 0
LIME CREEK NEAR HARRY STRUNK RESERVOIR	SE1/4NW1/4 SEC. 15-5-26 W.	05/23/89	0.44
ELK CREEK NEAR HARRY STRUNK RESERVOIR	NE1/4SW1/4 SEC. 25-5-26 W.	05/23/89	0.14
DEER CREEK NEAR HOLBROOK	NW1/4NW1/4 SEC. 15-4-24 W.	05/25/89	1.3
TIMMONS CREEK NEAR HOLBROOK	SW1/4SE1/4 SEC. 27-4-24 W.	05/25/89	0
MUDDY CREEK NEAR EUSTIS	SE1/4NE1/4 SEC. 31-7-24 W.	04/26/89	0
MUDDY CREEK NEAR STOCKVILLE	SW1/4SE1/4 SEC. 8-6-24 W.	04/26/89	0.39
MUDDY CREEK NEAR HARRY STRUNK RESERVOIR	SE1/4SW1/4 SEC. 28-6-24 W.	04/26/89	0.88
WEST MUDDY CREEK NEAR HARRY STRUNK RESERVOIR	SE1/4NE1/4 SEC. 32-6-24 W.	04/26/89	0.16
MUDDY CREEK NEAR HOLBROOK	NW1/4SW1/4 SEC. 19-5-23 W.	04/26/89	3.4
EAST MUDDY CREEK NEAR ARAPAHOE	NW1/4NE1/4 SEC. 32-5-23 W.	04/26/89	0.05
MUDDY CREEK NEAR ARAPAHOE	NW1/4NE1/4 SEC. 6-4-23 W.	04/26/89	4.5

R E P U B L I C A N   R I V E R   B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>MIDDLE REACH OF THE REPUBLICAN RIVER</u>			
ELK CREEK, EAST FORK, NEAR ELWOOD	NW1/4SW1/4 SEC. 29-6-22 W.	05/25/89	0
ELK CREEK NEAR ARAPAHOE	SW1/4SW1/4 SEC. 11-4-23 W.	04/26/89	0.90
TURKEY CREEK, EAST BRANCH, NEAR SMITHFIELD	NE1/4SW1/4 SEC. 6-6-21 W.	05/25/89	0
TURKEY CREEK, EAST BRANCH, NEAR BERTRAND	NE1/4NW1/4 SEC. 19-6-21 W.	05/25/89	5.2
TURKEY CREEK, EAST BRANCH, NEAR BERTRAND	NE1/4SE1/4 SEC. 36-6-22 W.	05/25/89	7.3
TURKEY CREEK, WEST BRANCH, NEAR ELWOOD	SE1/4NE1/4 SEC. 2-5-22 W.	05/25/89	0.08
TURKEY CREEK NEAR ARAPAHOE	NW1/4NW1/4 SEC. 25-5-22 W.	05/25/89	10.0
TURKEY CREEK NEAR EDISON	NW1/4NW1/4 SEC. 12-4-22 W.	05/25/89	8.8
SPRING CREEK NEAR ATLANTA	SW1/4SE1/4 SEC. 21-5-20 W.	05/25/89	0.72
ELM CREEK NEAR MASCOT	NW1/4NW1/4 SEC. 10-4-20 W.	05/25/89	0
SPRING CREEK NEAR MASCOT	SW1/4SE1/4 SEC. 16-4-20 W.	05/25/89	2.0
SPRING CREEK NEAR OXFORD	NW1/4NE1/4 SEC. 15-3-20 W.	05/25/89 05/25/89	2.0 1.9
DEEP CREEK NEAR MASCOT	NE1/4NE1/4 SEC. 15-3-20 W.	05/25/89	0
ROPE CREEK NEAR ORLEANS	SW1/4SE1/4 SEC. 13-2-19 W.	05/31/89	0.35
COOK CREEK AT ALMA	SW1/4SE1/4 SEC. 28-2-18 W.	05/31/89	0.35
PRAIRIE DOG CREEK NEAR ALMA	SE1/4NE1/4 SEC. 33-1-18 W.	05/31/89	1.0
<u>LOWER REPUBLICAN RIVER</u>			
TURKEY CREEK NEAR REPUBLICAN CITY	SE1/4SE1/4 SEC. 12-2-17 W.	05/31/89	3.7
TURKEY CREEK NEAR NAPONEE	SW1/4SW1/4 SEC. 4-1-16 W.	05/31/89	7.4
REBECCA CREEK NEAR NAPONEE	NE1/4NW1/4 SEC. 14-1-16 W.	05/31/89	0.35
COTTONWOOD CREEK NEAR BLOOMINGTON	NE1/4NE1/4 SEC. 1-1-16 W.	05/31/89	3.7
LOST CREEK NEAR BLOOMINGTON	NW1/4SW1/4 SEC. 10-1-15 W.	05/31/89	0.65



## R E P U B L I C A N R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER REPUBLICAN RIVER</u>			
COATES CREEK NEAR FRANKLIN	NW1/4NE1/4 SEC. 33-2-14 W.	05/31/89	0.64
REAMS CREEK NEAR FRANKLIN	SE1/4SW1/4 SEC. 3-1-14 W.	05/31/89	0
THOMPSON CREEK, WEST BRANCH, NEAR RIVERTON	SW1/4NW1/4 SEC. 4-2-13 W.	05/31/89	1.8
THOMPSON CREEK NEAR RIVERTON	SW1/4SW1/4 SEC. 3-2-13 W.	05/31/89	14
FARMERS CREEK NEAR INAVALE	SW1/4SE1/4 SEC. 32-2-12 W.	05/31/89	1.2
WALNUT CREEK NEAR INAVALE	SW1/4NE1/4 SEC. 8-1-12 W.	05/31/89	0.09
PENNY CREEK NEAR RED CLOUD	NE1/4NE1/4 SEC. 16-1-11 W.	05/31/89	0
INDIAN CREEK NEAR RED CLOUD	SE1/4SW1/4 SEC. 21-2-11 W.	05/31/89	1.2
INDIAN CREEK NEAR RED CLOUD	SE1/4SW1/4 SEC. 33-2-11 W.	05/31/89	0.90
CROOKED CREEK AT RED CLOUD	SW1/4NW1/4 SEC. 36-2-11 W.	05/31/89	0.48
HICKS CREEK NEAR RED CLOUD	NW1/4SW1/4 SEC. 10-1-10 W.	05/31/89	0.02
WILLOW CREEK NEAR GUIDE ROCK	SE1/4SW1/4 SEC. 36-2-10 W.	05/31/89	0.84
ASH CREEK NEAR GUIDE ROCK	SE1/4SW1/4 SEC. 15-1-9 W.	05/31/89	0.10
GIMLET CREEK NEAR SUPERIOR	SW1/4NW1/4 SEC. 28-1-8 W.	05/31/89	0
BEAVER CREEK NEAR BOSTWICK	SE1/4SW1/4 SEC. 32-2-8 W.	05/31/89	1.6
BEAVER CREEK NEAR SUPERIOR	NE1/4NE1/4 SEC. 17-1-8 W.	05/31/89	2.6
MIDDLE CREEK NEAR SUPERIOR	SW1/4SW1/4 SEC. 10-1-8 W.	05/31/89	0.07
COTTONWOOD CREEK NEAR BOSTWICK	SW1/4SE1/4 SEC. 34-2-8 W.	05/31/89	0.20
COTTONWOOD CREEK AT BOSTWICK	SW1/4SW1/4 SEC. 11-1-8 W.	05/31/89	0.28
LOST CREEK AT SUPERIOR	SE1/4SW1/4 SEC. 26-1-7 W.	05/31/89	0.16
BLAKLEY CREEK NEAR SUPERIOR	SW1/4SW1/4 SEC. 30-1-6 W.	05/31/89	0.03

R E P U B L I C A N   R I V E R   B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c. f. s.</u>
<u>LOWER REPUBLICAN RIVER</u>			
CROSBY CREEK NEAR HARDY	NW1/4NW1/4 SEC. 27-1-6 W.	05/31/89	0.01
CROSBY CREEK, TRIBUTARY TO, NEAR HARDY	NE1/4NE1/4 SEC. 27-1-6 W.	05/31/89	0
CROSBY CREEK NEAR HARDY	NE1/4NW1/4 SEC. 34-1-6 W.	05/31/89	0.02
FORSHA CREEK AT HARDY	SW1/4SW1/4 SEC. 32-1-5 W.	05/31/89	0

## BIG BLUE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>UPPER BIG BLUE RIVER</u>			
BIG BLUE RIVER NEAR STAPLEHURST	SE1/4SW1/4 SEC. 10-12-2 E.	06/02/89	9.1
		06/17/89	7.8
		06/20/89	6.0
		06/22/89	7.1
		06/30/89	25
		10/31/89	7.4
LINCOLN CREEK NEAR GRESHAM	SW1/4NW1/4 SEC. 26-12-1 W.	10/31/89	3.4
PLUM CREEK NEAR BEE	NE1/4NE1/4 SEC. 21-12-3 E.	06/02/89	0.83
BIG WEEDY CREEK NEAR SEWARD	NW1/4NW1/4 SEC. 3-11-3 E.	06/02/89	0.59
PLUM CREEK NEAR SEWARD	NE1/4NW1/4 SEC. 15-11-3 E.	10/31/89	3.0
CLARK CREEK NEAR SEWARD	NW1/4NE1/4 SEC. 34-11-3 E.	06/02/89	1.3
CROOKED CREEK NEAR SEWARD	NW1/4NE1/4 SEC. 16-10-3 E.	06/02/89	0.35
BIG BLUE RIVER AT MILFORD	NW1/4NW1/4 SEC. 26-10-3 E.	06/20/89	17
		06/22/89	5.1
		06/23/89	7.8
		07/10/89	6.6
BIG BLUE RIVER AT BLUE BLUFFS DAM	NW1/4NE1/4 SEC. 32-9-4 E.	05/30/89	38
<u>WEST FORK OF THE BIG BLUE RIVER</u>			
BIG BLUE RIVER, WEST FORK, NEAR HASTINGS	NE1/4NE1/4 SEC. 3-7-9 W.	06/07/89	4.6
BIG BLUE RIVER, WEST FORK, NEAR HARVARD	NW1/4NW1/4 SEC. 24-8-8 W.	06/07/89	4.2
BIG BLUE RIVER, WEST FORK, NEAR STOCKHAM	NW1/4NW1/4 SEC. 30-9-5 W.	06/07/89	3.7
SCHOOL CREEK NEAR GRAFTON	NW1/4SE1/4 SEC. 3-8-4 W.	11/02/89	0.06
BIG BLUE RIVER, WEST FORK NEAR McCOOL JUNCTION	NW1/4SW1/4 SEC. 36-9-3 W.	06/05/89	14
		10/31/89	13
BEAVER CREEK AT YORK	SW1/4SE1/4 SEC. 6-10-2 W.	06/05/89	0.90
		10/31/89	1.1
BEAVER CREEK NEAR BEAVER CROSSING	NW1/4NW1/4 SEC. 32-10-1 E.	05/30/89	4.0
		11/07/89	4.1
WALNUT CREEK NEAR BEAVER CROSSING	NW1/4NW1/4 SEC. 8-9-2 E.	05/30/89	0.32
		11/07/89	0.39
JOHNSON CREEK NEAR DORCHESTER	NW1/4NE1/4 SEC. 6-8-3 E.	05/30/89	0.02
		11/10/89	0
BIG BLUE RIVER, WEST FORK NEAR CRETE	SE1/4NW1/4 SEC. 5-8-4 E.	05/30/89	69

B I G B L U E R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER BIG BLUE RIVER</u>			
WALNUT CREEK AT CRETE	SE1/4NE1/4 SEC. 27-8-4 E.	05/24/89	0.02
CLATONIA CREEK NEAR DEWITT	NW1/4NW1/4 SEC. 17-5-5 E.	05/24/89 11/10/89	0.14 0.19
TURKEY CREEK NEAR GENEVA	NW1/4SW1/4 SEC. 21-7-2 W.	11/02/89	0.20
TURKEY CREEK, TRIBUTARY TO, NEAR GENEVA	SW1/4SW1/4 SEC. 27-7-2 W.	11/02/89	0
TURKEY CREEK NEAR MILLIGAN	SW1/4SW1/4 SEC. 19-7-1 E.	05/25/89 11/10/89	1.7 0.45
TURKEY CREEK AT PLEASANT HILL	SE1/4NE1/4 SEC. 10-7-3 E.	05/24/89	13
SWAN CREEK, SOUTH FORK, NEAR SWANTON	SE1/4NE1/4 SEC. 30-5-3 E.	05/25/89 11/10/89	0.66 0.72
SPRING CREEK NEAR WESTERN	NE1/4SE1/4 SEC. 3-5-2 E.	05/25/89	0.45
SWAN CREEK, NORTH FORK, NEAR SWANTON	SW1/4SE1/4 SEC. 18-5-3 E.	05/25/89	2.2
SWAN CREEK NEAR DEWITT	NW1/4SW1/4 SEC. 16-5-4 E.	05/25/89 11/10/89	11 8.0
TURKEY CREEK NEAR DEWITT	NE1/4SW1/4 SEC. 29-5-5 E.	05/24/89	26
SOAP CREEK NEAR DEWITT	SW1/4SE1/4 SEC. 27-5-5 E.	05/24/89	0
CUB CREEK NEAR BEATRICE	SW1/4SW1/4 SEC. 24-4-5 E.	05/24/89 11/10/89	1.4 1.6
INDIAN CREEK AT BEATRICE	SW1/4NW1/4 SEC. 27-4-6 E.	05/24/89 11/20/89	0.96 1.2
BEAR CREEK NEAR BEATRICE	NW1/4NE1/4 SEC. 1-3-6 E.	05/25/89 11/10/89	3.2 3.2
CEDAR CREEK NEAR ROCKFORD	SW1/4SE1/4 SEC. 8-3-7 E.	05/25/89	0.30
MUD CREEK NEAR BLUE SPRINGS	SW1/4SE1/4 SEC. 33-3-7 E.	05/30/89	0.06
BIG INDIAN CREEK NEAR ODELL	SW1/4SW1/4 SEC. 3-1-6 E.	05/25/89	0.26
SICILY CREEK NEAR ODELL	SE1/4SW1/4 SEC. 34-2-6 E.	05/25/89 11/10/89	1.1 0.97
BIG INDIAN CREEK NEAR WYMORE	NE1/4SE1/4 SEC. 30-1-7 E.	05/25/89 11/10/89	3.4 3.2
WILDCAT CREEK NEAR WYMORE	SW1/4SE1/4 SEC. 30-2-8 E.	05/30/89	0.24

## BIG BLUE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER BIG BLUE RIVER</u>			
WOLF CREEK NEAR WYMORE	NE1/4NE1/4 SEC. 31-2-8 E.	05/30/89	1.9
PLUM CREEK NEAR BARNESTON	NW1/4SW1/4 SEC. 19-1-8 E.	05/30/89 11/10/89	0.95 1.7
MISSION CREEK NEAR BARNESTON	SE1/4NE1/4 SEC. 36-1-7 E.	05/30/89	0.20

## LITTLE BLUE RIVER BASIN

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<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER LITTLE BLUE RIVER</u>			
LITTLE BLUE RIVER AT AYR	NW1/4NE1/4 SEC. 4-5-10 W.	06/07/89	0
LITTLE BLUE RIVER NEAR AYR	SE1/4SE1/4 SEC. 27-6-10 W.	06/07/89	8.1
SCOTT CREEK NEAR AYR	NW1/4SE1/4 SEC. 28-6-10 W.	06/07/89	0.02
ASH CREEK AT PAULINE	NW1/4NW1/4 SEC. 9-5-9 W.	06/07/89	0.01
LITTLE BLUE RIVER AT PAULINE	SW1/4SE1/4 SEC. 4-5-9 W.	06/07/89	23
PAWNEE CREEK NEAR DEWEESE	NE1/4NE1/4 SEC. 16-5-8 W.	06/07/89	0.23
ELK CREEK NEAR OAK	SW1/4SW1/4 SEC. 7-3-5 W.	06/07/89	1.1
LITTLE BLUE RIVER NEAR OAK COUNTY LINE	SW1/4NW1/4 SEC. 19-3-4 W.	06/06/89 11/02/89	52 57
SPRING CREEK NEAR DESHLER	SW1/4SE1/4 SEC. 23-2-4 W.	06/06/89 11/02/89	0 0
SPRING CREEK, TRIBUTARY TO, AT DESHLER	NE1/4SE1/4 SEC. 14-2-4 W.	06/06/89 11/02/89	0 0
SPRING CREEK NEAR HEBRON	SE1/4NE1/4 SEC. 12-2-3 W.	06/06/89 11/02/89	1.8 2.3
<u>BIG SANDY CREEK</u>			
BIG SANDY CREEK NEAR DAVENPORT	NW1/4NW1/4 SEC. 7-4-4 W.	06/06/89 11/02/89	0 0
LITTLE SANDY CREEK NEAR DAVENPORT	NW1/4NW1/4 SEC. 8-4-4 W.	06/06/89 11/02/89	0 0
BIG SANDY CREEK NEAR BELVIDERE	NE1/4NE1/4 SEC. 8-3-2 W.	06/06/89 11/09/89	0 0
DRY SANDY CREEK NEAR STRANG	SW1/4SE1/4 SEC. 33-5-2 W.	11/02/89	0
DRY SANDY CREEK NEAR ALEXANDRIA	NW1/4SE1/4 SEC. 5-3-1 W.	11/09/80 06/06/89	0.02 0.05
BIG SANDY CREEK NEAR ALEXANDRIA	SW1/4SW1/4 SEC. 4-3-1 W.	06/06/89 11/09/89	6.9 6.3
<u>LOWER LITTLE BLUE RIVER</u>			
LITTLE SANDY CREEK NEAR FAIRBURY	NW1/4NE1/4 SEC. 19-3-2 E.	06/06/89 11/09/89	0.72 0.87
ROSE CREEK NEAR HUBBELL	SW1/4SW1/4 SEC. 29-1-1 W.	01/09/89 11/02/89	0.08 0
WILEY CREEK NEAR REYNOLDS	SE1/4SE1/4 SEC. 22-1-1 E.	06/06/89 11/07/89	0 0.06

## L I T T L E   B L U E   R I V E R   B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER LITTLE BLUE RIVER</u>			
BUCKLEY CREEK	SW1/4NE1/4 SEC. 11-1-1 E.	06/06/89	1.0
NEAR REYNOLDS		11/09/89	1.3
ROSE CREEK	NW1/4NW1/4 SEC. 12-1-2 E.	06/06/89	7.6
NEAR ENDICOTT		11/09/89	7.6
ROCK CREEK	NW1/4SE1/4 SEC. 4-1-3 E.	06/06/89	0.20
AT ENDICOTT		11/09/89	0.42

**MISCELLANEOUS  
MEASUREMENTS OF  
CANAL AND PUMP DIVERSIONS**

**1989**



C H E Y E N N E R I V E R B A S I N

( H A T C R E E K )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c. f. s.</u>
<u>HAT CREEK</u>			
HAT CREEK CANAL, WEST--D-533 FROM WEST HAT CREEK	SEC. 16-32-55 W.	09/07/89	0
COFFEE CANAL--D-512 FROM HAT CREEK	SEC. 26-33-55 W.	09/07/89	0
COFFEE FLOOD CANAL--A-1236 FROM HAT CREEK	SEC. 14-33-55 W.	09/07/89 12/27/89	0 0
SOW BELLY CANAL, OLD--D-533 FROM SOW BELLY CREEK	SEC. 7-32-55 W.	09/07/89	0
ANDREWS SUPPLY CANAL--A-2530 FROM SOW BELLY CREEK	SEC. 5-32-55 W.	09/07/89 06/02/89 06/03/89	0 1.2 1.3
ZIMMERMAN CANAL--A-532, A-4790 FROM SOW BELLY CREEK	SEC. 34-33-55 W.	09/07/89 06/02/89	0 0.69
MONTGOMERY CANAL--D-559 FROM SOW BELLY CREEK	SEC. 21-33-55 W.	06/02/89 09/07/89	0.10 0
WARBONNET CANAL--D-548, A-892 FROM WARBONNET CREEK	SEC. 20-33-56 W.	09/07/89	0
MONROE CANAL, BIG--D-506 FROM MONROE CREEK	SEC. 33-33-56 W.	09/07/89	0
RICHARD JORDAN CANAL--A-2032 FROM MONROE CREEK	SEC. 22-33-56 W.	09/07/89	0

## W H I T E R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>WHITE RIVER</u>			
WHITE RIVER CANAL D-477, A-936 FROM WHITE RIVER	SEC. 34-32-52 W.	06/22/89	5.2
		07/24/89	4.4
		07/20/89	5.4
		06/12/89	0
HARRIS-COOPER CANAL D-464a, D-464b FROM WHITE RIVER	SEC. 26-32-52 W.	07/20/89	0
		06/22/89	8.7
		07/24/89	4.6
RASHER-FORBES CANAL A-456, A-534, A-1128 FROM WHITE RIVER	SEC. 19-32-51 W.	07/24/89	0
		08/07/89	0.39
WHITNEY PIPELINE A-1603, A-1625 FROM WHITE RIVER	SE1/4NE1/4 SEC. 26-32-52 W.	06/12/89	0
		06/22/89	0
		07/20/89	0
RASHER-FORBES CANAL--A-1128 FROM WHITE RIVER	SE1/4NW1/4 SEC. 19-32-51 W.	07/20/89	3.7
		06/22/89	0.59
CHASEK PUMP--A-15593 FROM WHITE RIVER	N1/2SW1/4 SEC. 2-32-51 W.	06/23/89	0.55
BLUST PUMP--A-8499 FROM WHITE RIVER	E1/2 SEC. 2-32-51 W.	06/23/89	0
BARRON CANAL--D-438 FROM EAST ASH CREEK	SE1/4SW1/4 SEC. 32-32-50 W.	05/22/89	1.7
NORMAN RESV DIV CANAL-A-1953 FROM ASH CREEK	SE1/4 SEC. 32-32-50 W.	03/29/89	2.6
BARRON CANAL--D-438, A-2024, A-16376 FROM EAST ASH CREEK	SEC. 32-32-50 W.	05/31/89	2.5
		05/22/89	1.7
		05/22/89	0.79
		05/08/89	0.88
HAGEMAN CANAL--A-2046 FROM WHITE RIVER	SEC. 26-33-50 W.	06/23/89	0
BARRON CANAL--D-438 FROM EAST ASH CREEK	SW1/4 SEC. 32-32-50 W.	05/22/89	0.90
		05/31/89	0
		05/08/89	0.52
		05/08/89	0.67
CUCKLER PUMP--A-5517 FROM WHITE RIVER	SEC. 26-33-50 W.	06/23/89	0
LOGAN PUMP--A-3038 FROM WHITE RIVER	SEC. 30-33-49 W.	06/23/89	0
SCHUMACHER PUMP--A-4720, A-4835 FROM WHITE RIVER	SEC. 19-33-49 W.	06/23/89	0.62
		07/20/89	1.1
ELWESS PUMP--A-13094 FROM CHADRON CREEK	SEC. 22-33-49 W.	06/23/89	0.83
SCHUMACHER PUMP--A-13815 FROM CHADRON CREEK	SEC. 15-33-49 W.	06/23/89	0
PINKERTON PUMP A-5008 FROM BORDEAUX CREEK	SEC. 15-33-48 W.	07/12/89	1.4
MEISTER PUMP--A-8345 FROM LITTLE BORDEAUX CREEK	SEC. 11-32-48 W.	07/13/89	0.85

WHITE RIVER BASIN

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>WHITE RIVER</u>			
MEISTER PUMP--A-5129 FROM BORDEAUX CREEK	SEC. 3-33-48 W.	07/13/89	0.42
MEYERS LAND & CATTLE COMPANY PUMP--A-4690, A-7710 FROM BOX BUTTE CREEK	SEC. 30-29-45 W.	06/08/89	0.88

## N O R T H P L A T T E R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>PUMPKIN CREEK TO KINGSLEY DAM</u>			
LOGAN CANAL--D-902 FROM PUMPKIN CREEK	SEC. 7-19-55 W.	05/10/89	0
PETERS CANAL--D-913 FROM PUMPKIN CREEK	SEC. 2-19-56 W.	05/10/89	0
DARNALL PUMP--A-2117 FROM PUMPKIN CREEK	SEC. 25-19-53 W.	05/10/89	0
THURMAN PUMP--A-11526 FROM PUMPKIN CREEK	SEC. 23-19-53 W.	05/10/89	0
NIELSON CANAL--A-6811, A-9051 FROM PUMPKIN CREEK	SEC. 30-19-55 W.	05/10/89	0
RANDALL CANAL--A-1100 FROM LAWRENCE FORK CREEK	SEC. 21-18-52 W.	05/10/89	0
SPRING BRANCH CANAL--D-862R (P-372),D-893R(P-373),A-669R (P-374) FR LAWRENCE FORK CR	SEC. 11-18-52 W.	05/10/89	1.7
SMITH-WHEELER CANAL, SOUTH D-842a FROM PUMPKIN CREEK	SEC. 26-19-51 W.	05/10/89	1.2
SMITH-WHEELER CANAL, NORTH D-842b FROM PUMPKIN CREEK	SEC. 26-19-51 W.	05/10/89	0
LAUX PUMP--A-4689 FROM PUMPKIN CREEK	SEC. 29-19-50 W.	05/10/89	0
BARBER CANAL--D-754 FROM CLEAR CREEK	SEC. 29-16-41 W.	06/29/89 07/08/89	4.8 3.7

## SOUTH PLATTE RIVER BASIN

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<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LODGEPOLE CREEK</u>			
TRACY CANAL A-870 FROM LODGEPOLE CREEK	NW1/4SW1/4 SEC. 12-14-59 W.	05/07/89	0
PLATT PUMP A-12931 FROM LODGEPOLE CREEK	NW1/4SE1/4 SEC. 31-15-57 W.	05/02/89	0
ADAMSON PUMP A-13381 FROM LODGEPOLE CREEK	SW1/4NW1/4 SEC. 33-15-57 W.	05/02/89	0
FORSLING-KINNEY CANAL--A-718 FROM LODGEPOLE CREEK	SEC. 33-15-56 W.	05/02/89 07/14/89	0 0
NEW RUTTNER CANAL, NORTH D-350R FROM LODGEPOLE CREEK	NE1/4SE1/4 SEC. 36-15-57 W.	05/02/89 07/14/89	0 0
RUTTNER-KINNEY CANAL, SOUTH D-350 FROM LODGEPOLE CREEK	SEC. 31-15-56 W.	07/14/89	0
FERGUSON PUMP D-348R FROM LODGEPOLE CREEK	SEC. 34-15-56 W.	07/14/89 05/02/89	0 0
HURLEY-LILLY-POLLY CANAL D-354 FROM LODGEPOLE CREEK	SEC. 26-15-56 W.	07/14/89	0
BICKEL-FADEN CANAL D-347, A-719 FROM LODGEPOLE CREEK	SEC. 30-15-55 W.	07/14/89 05/02/89	0 0
ATKINS-POLLY CANAL D-342, D-344, A-894R, A-4531 FROM LODGEPOLE CREEK	SE1/4NW1/4 SEC. 30-15-55 W.	07/14/89 05/02/89 07/14/89 03/02/89	0 0 0 0
OWASCO CANAL D-347, A-725 FROM LODGEPOLE CREEK	SEC. 29-15-55 W.	05/02/89 07/14/89	2.5 0
McINTOSH CANAL D-351, A-734 FROM LODGEPOLE CREEK	SEC. 23-15-55 W.	05/03/89	0
CIRCLE ARROW CANAL D-346 FROM LODGEPOLE CREEK	SEC. 30-15-54 W.	05/03/89	0
CHRISTENSEN CANAL, NORTH D-367 FROM LODGEPOLE CREEK	SEC. 7-14-51 W.	05/03/89	0
CHRISTENSEN CANAL, SOUTH D-366 FROM LODGEPOLE CREEK	NW1/4NW1/4 SEC. 7-14-51 W.	05/03/89	0
SUTTON PUMP A-16434 FROM LODGEPOLE CREEK	SEC. 10-14-51 W.	05/03/89	0
RUNGE PUMP--A-3191, A-3363 FROM LODGEPOLE CREEK	SEC. 20-14-50 W.	05/03/89	0
RUNGE CANAL NO. 1--D-339 FROM LODGEPOLE CREEK	SW1/4SE1/4 SEC. 20-14-50 W.	05/03/89	0
KRUEGER CANAL #3--D-323 FROM LODGEPOLE CREEK	SEC. 32-14-48 W.	05/05/89	1.4
KRUEGER CANAL #2 D-324 FROM LODGEPOLE CREEK	SW1/4NW1/4 SEC. 32-14-48 W.	05/05/89	0.95
KRUEGER CANAL #1 D-324 FROM LODGEPOLE CREEK	SW1/4SW1/4 SEC. 29-14-48 W.	05/05/89 05/05/89	0 0

## S O U T H P L A T T E R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOGGEPOLE CREEK</u>			
TOBIN CANAL--D-330 FROM LOGGEPOLE CREEK	SEC. 28-14-47 W.	05/05/89	0
BULLOCK CANAL--A-437 FROM LOGGEPOLE CREEK	SEC. 4-13-46 W.	05/05/89	0
PERSINGER CANAL--D-297 FROM LOGGEPOLE CREEK	SEC. 33-14-46 W.	05/05/89	0
OBERFELDER CANAL #3--D-306 FROM LOGGEPOLE CREEK	NE1/4SE1/4 SEC. 31-14-46 W.	05/05/89	0
MCAULIFFE CANAL--D-814 FROM LOGGEPOLE CREEK	SEC. 21-13-45 W.	04/18/89	0.12
NEUMAN CANAL--A-611 FROM LOGGEPOLE CREEK	SEC. 26-13-45 W.	05/05/89	0
SODERQUIST CANAL--A-1420 FROM LOGGEPOLE CREEK	SEC. 2-12-45 W.	05/05/89	0
SODERQUIST PUMP--A-1237 FROM LOGGEPOLE CREEK	SEC. 1-12-45 W.	05/05/89	0

**P L A T T E   R I V E R   B A S I N**  
**( L O U P   R I V E R )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>MIDDLE LOUP RIVER TO CONFLUENCE WITH SOUTH LOUP RIVER</u>			
FLYING A CATTLE PUMP-A-15289 FROM MIDDLE LOUP RIVER	SEC. 11-23-28 W.	08/03/89	1.5
		08/03/89	0.70
		07/06/89	0.60
PRITSCHAU PMP-A-15737,16546 FROM MIDDLE LOUP RIVER	SEC. 26-13-13 W.	08/02/89	0.70
MADDOX PUMP--A-14230 FROM MIDDLE LOUP RIVER	SEC. 24-15-10 W.	07/07/89	1.8
<u>SOUTH LOUP RIVER</u>			
HICKENBOTTOM PUMP--A-15837 FROM SOUTH LOUP RIVER	SEC. 22-15-22 W.	07/28/89	0.30
STEVENSON PUMP--A-14776 FROM SOUTH LOUP RIVER	SEC. 7-13-19 W.	07/28/89	1.9
POPP PUMP--A-14334 FROM SOUTH LOUP RIVER	SEC. 23-13-19 W.	08/08/89	1.0
CHERRY PUMP--A-16131 FROM SOUTH LOUP RIVER	SEC. 24-13-19 W.	07/11/89	1.2
		07/11/89	1.2
SHOEMAKER PUMP--A-13014 FROM SOUTH LOUP RIVER	SEC. 30-13-18 W.	07/28/89	0.50
		08/08/89	0.40
		07/28/89	0.90
		07/11/89	0.90
DAUG-SHO MID PUMP--A-13105 FROM SOUTH LOUP RIVER	SEC. 30-13-18 W.	08/08/89	0.40
		07/28/89	0.90
		07/11/89	0.90
08/08/89	SEC. 2-11-15 W.	08/08/89	0.40
		08/08/89	0.40
		08/08/89	0.40
BATEMAN PUMP--A-14354 FROM CEDAR CREEK	SEC. 2-11-15 W.	08/08/89	0.40
FRANSSON PUMP--A-13722 FROM MUD CREEK	SEC. 18-14-16 W.	08/02/89	0.70
CORNFORD PUMP--A-15465 FROM MUD CREEK	SEC. 27-14-16 W.	08/02/89	1.3
SUNTYCH PUMP--A-13926 FROM SOUTH LOUP RIVER	SEC. 6-12-12 W.	08/02/89	1.0
<u>LOUP RIVER, SOUTH LOUP RIVER TO NORTH LOUP RIVER</u>			
STANCZYK PUMP--A-13034,15744 FROM OAK CREEK	SEC. 15-15-13 W.	07/24/89	1.8
KNOGH PUMP--A-14444,14445 FROM OAK CREEK	SEC. 30-14-11 W.	07/31/89	2.1
JOHNSON PUMP--A-13830 FROM OAK CREEK	SEC. 9-13-11 W.	08/02/89	4.1
		08/02/89	4.1
SACK BROS. PUMP--A-15612 FROM TURKEY CREEK	SEC. 11-14-12 W.	08/02/89	1.7
SACK BROS. PUMP--A-15720 FROM TURKEY CREEK	SEC. 17-14-11	07/31/89	1.1
BOYSEN PUMP--A-13652 FROM TURKEY CREEK	SEC. 20-14-11	07/31/89	0.90

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c. f. s.</u>
<u>LOUP RIVER, SOUTH LOUP RIVER TO NORTH LOUP RIVER</u>			
KOPERSKI PUMP--A-14632 FROM TURKEY CREEK	SEC. 28-14-11 W.	07/31/89	1.4
		07/31/89	1.4
KOPERSKI PUMP--A-13285 FROM TURKEY CREEK	SEC. 27-14-11	08/02/89	1.4
ALDERMAN PUMP--A-16050 FROM TURKEY CREEK	SEC. 19-14-10 W.	08/02/89	1.1
		08/02/89	1.1
		07/07/89	3.0
K.I.L. FARMS--A-13823 FROM TURKEY CREEK	SEC. 20-14-10 W.	07/07/89	0.90
		08/02/89	1.3
LETH PUMP--A-12843 FROM TURKEY CREEK	SEC. 21-14-10 W.	07/07/89	0.90
<u>NORTH LOUP RIVER</u>			
COX PUMP--A-16130 FROM NORTH LOUP RIVER	SEC. 9-24-25 W.	07/06/89	0.50
ZIEGLER PUMP--A-15608 FROM NORTH LOUP RIVER	SEC. 28-21-17 W.	08/03/89	1.1
HANSEN PUMP--A-12753 FROM NORTH LOUP RIVER	SEC. 22-17-12 W.	08/01/89	0.90
HICKMAN PUMP--A-15487 FROM DAVIS CREEK	SEC. 6-16-13 W.	07/10/89	0.50
		07/10/89	0.50
SHOEMAKER PUMP--A-15791 FROM DAVIS CREEK	SEC. 2-16-13 W.	07/24/89	0.30
ENDER PUMP--A-13200 FROM NORTH LOUP RIVER	SEC. 18-16-11 W.	08/01/89	1.0
		07/14/89	1.7
WELLS PUMP--A-14871 FROM NORTH LOUP RIVER	SEC. 20-16-11 W.	07/10/89	1.4
		08/01/89	1.9
McCLURE PUMP--A-16836 FROM MUNSON CREEK	SEC. 3-15-12	07/31/89	0.30
POSS PUMP--A-15853 FROM MUNSON CREEK	SEC. 2-15-12	08/04/89	0.30
LASSEN PUMP--A-15802 FROM MUNSON CREEK	SEC. 1-15-12 W.	08/04/89	1.3
BURMOOD PUMP--A-14238 FROM MUNSON CREEK	SEC. 5-15-11 W.	07/31/89	1.3
		07/31/89	0.90
WILSON PUMP--A-14224 FROM MUNSON CREEK	SEC. 33-16-11 W.	07/14/89	1.1
		08/01/89	0.90
WILSON PUMP--A-14225 FROM NORTH LOUP RIVER	SEC. 34-16-11 W.	07/14/89	0.80
SPILINEK PUMP--A-15426 FROM AUGER CREEK	SEC. 8-15-11 W.	08/01/89	0.80
		07/14/89	0.70
POSS PUMP--A-13353 FROM NORTH LOUP RIVER	SEC. 18-15-10 W.	08/01/89	0.50



P L A T T E R I V E R B A S I N  
( L O U P R I V E R )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>NORTH LOUP RIVER</u>			
TUMA PUMP--A-15680 FROM TRIB. TO NO. LOUP RIVER	SEC. 23-15-11	07/24/89	0.40
AMBROSE PUMP--A-15924 FROM TRIB TO NO LOUP RIVER	SEC. 24-15-10 W.	08/01/89	0.90
SCHMIDT PUMP--A-15922 FROM TRIB. TO NO. LOUP RIVER	SEC. 24-15-11 W.	08/01/89	0.80
<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>			
WERNER PUMP--A-15151 FROM LOUP RIVER	SEC. 9-15-9 W.	07/31/89	1.5
LANKA PUMP--A-12895 TRIB. TO LOUP RIVER	SEC. 22-15-8	07/05/89 07/31/89	0.80 0.80
KILDAY INC. PUMP--A-13752 FROM LOUP RIVER	SEC. 12-15-8 W.	07/13/89 07/31/89	1.6 1.6
TIBBETTS EAST PUMP--A-13591 FROM LOUP RIVER	SEC. 7-15-7 W.	08/15/89 08/07/89	3.5 2.6
RUSSELL PUMP--A-12825,13955 FROM LOUP RIVER	SEC. 8-15-7 W.	07/05/89	3.6
RUSSELL PUMP--A-13954 FROM LOUP RIVER	SEC. 8-15-7 W.	07/05/89	3.8
RUSSELL PUMP--A-13679,14504 FROM LOUP RIVER	SEC. 4-15-7 W.	07/31/89 08/15/89	2.6 5.2
PETERSON PUMP--A-14718 FROM LOUP RIVER	SEC. 3-15-7 W.	07/05/89	3.8
SONDERUP PUMP--A-15515 FROM LOUP RIVER	SEC. 33-16-7 W.	07/31/89	1.9
ARNOLD PUMP--A-14895 FROM LOUP RIVER	SEC. 3-15-7 W.	08/07/89	2.8
CUNNINGHAM PUMP--A-13581 FROM LOUP RIVER	SEC. 2-15-7 W.	08/07/89	0.50
ZIMMER PUMP--A-15043 FROM LOUP RIVER	SEC. 35-16-7 W.	08/15/89	1.4
CUNNINGHAM PUMP--A-15438 FROM LOUP RIVER	SEC. 35-16-7 W.	08/07/89 08/15/89	1.8 1.9
MORRISON PIMP--A-15309 FROM LOUP RIVER	SEC. 35-16-7 W.	07/05/89 08/15/89	2.2 1.1
LESIK PUMP--A-12994 FROM LOUP RIVER	SEC. 1-15-7 W.	07/07/89	1.1
UZENDOWSKI PUMP--A-13562 FROM LOUP RIVER	SEC. 31-16-6	07/31/89	1.1
ZIMMER PUMP--A-15042 FROM LOUP RIVER	SEC. 29-16-6 W.	07/31/89 08/15/89	2.5 2.1
<u>CEDAR RIVER</u>			
MARTINSEN PUMP--A-12680 FROM CEDAR RIVER	SEC. 8-19-8 W.	08/01/89 07/21/89	1.0 0.90

P L A T T E   R I V E R   B A S I N  
( L O U P   R I V E R )

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>CEDAR RIVER</u>			
KAYTON PUMP--A-16131 FROM CEDAR RIVER	SEC. 5-18-7 W.	08/01/89	1.2
SCOTT PUMP--A-13939 FROM CEDAR RIVER	SEC. 36-18-7 W.	08/01/89	1.8
NELSON PUMP--A-13198 FROM CEDAR RIVER	SEC. 19-17-6 W.	07/06/89	1.9
MALANDER WEST PUMP--A-14904 FROM CEDAR RIVER	SEC. 29-17-6 W.	08/01/89 08/01/89 07/10/89	1.6 1.8 3.6
FRENZEN PUMP--A-16752 FROM CEDAR RIVER	SEC. 28-17-6	08/07/89	2.5
GLOOR PUMP--A-15005 FROM CEDAR RIVER	SEC. 33-17-6 W.	07/10/89	0.70
GLOOR PUMP--A-15004 FROM CEDAR RIVER	SEC. 4-16-6 W.	08/01/89 07/07/89	3.2 3.8
MALANDER PUMP--A-16844 FROM CEDAR RIVER	SEC. 11-16-6 W.	08/01/89 07/10/89	2.4 2.2
WONDERCHECK PUMP--A-13416 FROM CEDAR RIVER	SEC. 11-16-6 W.	08/07/89 08/01/89 08/15/89 07/07/89	3.1 2.0 2.7 0.50
WONDERCHECK PUMP--A-13930 FROM CEDAR RIVER	SEC. 11-16-6 W.	07/10/89 08/07/89	1.6 1.3
SYSLO PUMP--A-13662 FROM CEDAR RIVER	SEC. 7-16-5 W.	07/31/89	1.1
<u>LOWER LOUP RIVER BELOW CEDAR RIVER</u>			
ZAREK PUMP--A-16216 FROM LOUP RIVER	SEC. 36-17-5 W.	07/31/89	0.60

B I G B L U E R I V E R B A S I N

<u>Site</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> <u>c. f. s.</u>
<u>UPPER BIG BLUE RIVER</u>			
THONEN PUMP A-11284 FROM BIG BLUE RIVER	SEC. 15-12-2 E.	06/20/89	0
HERPOLSHEIMER PUMP A-10284 FROM BIG BLUE RIVER NEAR STAPLEHURST	SEC. 23-12-2 E.	06/20/89	0
HERPOLSHEIMER PUMP A-4793 NEAR STAPLEHURST FROM BIG BLUE RIVER	SEC. 23-12-2 E.	06/20/89	0
HERPOLSHEIMER PUMP A-5222 FROM BIG BLUE NEAR STAPLEHURST	SEC. 23-12-2 E.	06/20/89	0
MAYLAND PUMP A-13653 FROM BIG BLUE RIVER NEAR STAPLEHURST	SEC. 26-12-2 E.	06/20/89	2.5
HEGEBOLZ PUMP A-10813 FROM BIG BLUE RIVER NEAR STAPLEHURST	SEC. 35-12-2 E.	06/20/89	2.5
ROHREN PUMP A-11283 FROM BIG BLUE RIVER NEAR SEWARD	SEC. 36-12-2 E.	06/20/89	0
SELL PUMP A-9876 FROM BIG BLUE RIVER NEAR SEWARD	SEC. 7-11-3 E.	06/19/89	1.7
AEGERTER PUMP A-4678 FROM BIG BLUE RIVER NEAR SEWARD	SEC. 17-11-3 E.	06/20/89	1.2
AEGERTER PUMP A-12314 FROM BIG BLUE RIVER NEAR SEWARD	SEC. 17-11-3 E.	06/19/89	0.76
GRUNTORAD PUMP A-10883 FROM BIG BLUE RIVER NEAR SEWARD	SEC. 18-11-3 E.	06/19/89	1.4

**MAXIMUM WITHDRAWAL  
OF MUNICIPAL WELLS**

**1989**

## ANNUAL MAXIMUM WITHDRAWAL OF MUNICIPAL WELLS (GALLONS PER DAY)

<u>Well Field</u>	<u>Permitted to Withdraw</u>	<u>1989</u>
Alliance	22,500,000	8,937,000
Ashland	360,000	970,800
Beatrice	6,500,000	2,605,500
Bellevue	10,000,000	2,302,920
Bruno	288,000	
Columbus	12,160,000	26,324,000
Crawford	1,938,816	
Fairbury	5,000,000	3,050,200
Fremont	98,000,000	28,042,000
Gothenburg	4,000,000	6,802,400
Grand Island	119,184,000	26,751,000
Harvard	2,000,000	507,440
Hastings	30,400,000	12,539,370
Holdrege	10,000,000	5,971,700
Howells	1,440,000	
Kearney	24,048,000	9,703,000
Kimball	5,300,000	2,095,800
Laurel	1,152,000	710,000
Leigh	130,000	334,000
Lincoln	1,220,000,000	42,233,000
Lower Niobrara NRD	864,000	451,000
Lyman	2,448,000	
Minden	2,500,000	1,817,500
Nebraska City	7,592,000	3,200,000
North Platte	28,584,000	15,868,251
Omaha (M.U.D.)	60,000,000	61,990,000
Papillion	5,000,000	2,402,900
Plattsmouth	3,000,000	561,600
Reynolds	216,000	
Scottsbluff	20,000,000	10,422,000
Seward	9,300,000	1,526,000
Stella	144,000	
Sutton	1,430,000	1,682,900
Syracuse	300,000	11,476
Wakefield	10,000,000	672,100
Wayne	3,168,000	1,857,900
Western	576,000	75,000

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